DESIGN & CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 2 TO PROJECT NO. 45832

CONSTRUCTION, ELEVATOR, HVAC, PLUMBING, AND ELECTRICAL WORK
REHABILITATE ELEVATORS
CULTURAL EDUCATION CENTER
EMPIRE STATE PLAZA
ALBANY, NY

April 12, 2024

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

CHANGES TO ADDENDUM NO. 1

1. Delete Item No. 6 in its entirety.

BIDDING REQUIREMENTS – COMMON DOCUMENTS

2. DOCUMENT 001114 ADVERTISEMENT FOR BIDS: The last date for receipt of bids is changed from 2:00p.m. April 17, 2024, to 2:00p.m. May 1, 2024.

GENERAL REQUIREMENTS – COMMON DOCUMENTS

3. Page 011000 – 3, Paragraph 1.11.A. Change paragraph A. to read:
   "A. Available Work hours shall be between the hours of 7:30a.m. and 5:15p.m. Second shift may be allowed for all trades associated with activities that could affect Facilities daily operations, as established by the Facility thru the Director's Representative."

CONSTRUCTION WORK SPECIFICATIONS

4. SECTION 083113 ACCESS DOORS: Delete this section in its entirety.

5. SECTION 083344 OVERHEAD COILING FIRE CURTAINS: Add the accompanying Section (pages 083344 – 1 and 083344 – 5) to the Project Manual.

ELEVATOR WORK SPECIFICATIONS

6. Page142821 – 2, Paragraph 2.01, H, 8: Add subparagraph "b" to read:

"b. Refer to Hoistway Entrance Finish Schedule for doors to receive a primed and powder coated factory finish. Color to be selected by the Director's Representative from manufacturers full range of available colors."

GENERAL DRAWINGS

7. Drawing No. G-101:
   a. General Notes, Add Note "K" to Read:
      "K. U-Contractor will provide access as required to each Contract for the performance of scheduled work within elevator spaces as coordinated by the Director's Representative."

   b. General Phasing Notes, Add Note "G" to Read:
      "G. Two elevator crews required to be on site for 1st shift during each phase. Elevators within each phase to be rehabilitated concurrently with exception of phase 7 which will have elevator 7 and 12 rehabilitated concurrently with Elevator 13 commencing at the completion of elevator 12."

   c. General Phasing Notes, Add Note "H" to Read:
      "H. Temporary barricades, including poly-barriers, to be provided by the Elevator Contractor at each elevator landing, for the duration of each elevator modernization. Construction Contractor to coordinate abatement work, including requirements for temporary barricades and sequencing of removals with the Elevator Contract. Elevator hoistway doors to be reinstalled at the end of each day to maintain shaft fire ratings. A maximum of two doors are anticipated to be replaced each day."

CONSTRUCTION DRAWINGS

8. Drawing No. S-101:
   a. Detail 1, Change leader note located south of ELEVATOR 5 to Read:
      "SAW-CUT EXISTING FLOOR SLAB SURFACE AND CHIP TO REMOVE PARTIAL DEPTH OF CONCRETE TO INSTALL LINEAR TRENCH DRAIN AND FABRICATED SUMP PUMP PIT, DO NOT OVER-CUT CORNERS, REMOVE CONCRETE TO CLEAN INSIDE CORNERS BY CHIPPING AND GRINDING, SECURE DRAIN AND SUMP IN PLACE AND INFILL AROUND WITH CONCRETE, **OR NON-SHRINK GROUT DEPENDING ON INFILL SPACE**, FINISH SLAB TO MATCH EXISTING"

   b. Detail 1, Change leader note located north of ELEVATOR 8 to Read:
      "SAW-CUT EXISTING FLOOR SLAB SURFACE AND CHIP TO REMOVE PARTIAL DEPTH CONCRETE TO INSTALL LINEAR TRENCH DRAIN, DO NOT OVER-CUT CORNERS, REMOVE CONCRETE TO CLEAN INSIDE CORNERS BY CHIPPING AND GRINDING, SECURE DRAIN IN PLACE AND INFILL AROUND WITH CONCRETE, **OR NON-SHRINK GROUT DEPENDING ON INFILL SPACE**, FINISH SLAB TO MATCH EXISTING"

9. Revised Drawing:
   a. Drawing No. A-401 noted "REVISED DRAWING 4/12/2024" accompanies this Addendum and supersedes the same numbered originally issued drawing.

10. Drawing No. A-406:
    a. Drawing Notes, Change Note 21 to Read:
       "21. PROVIDE TWO HOUR CEILING ASSEMBLY – COORDINATE INSTALLATION WITH STRUCTURAL DRAWINGS AND ELEVATOR CONTRACT – PAINT EXPOSED CEILING WHITE"

11. Drawing No. A-410:
    a. Drawing Notes, Change Note 57 to Read:
       "57. REMOVE DOOR, HARDWARE, AND SIGNAGE IN ITS ENTIRETY – SAFEGUARD SIGNAGE FOR REINSTALLATION ONTO SCHEDULED DOOR – COORDINATE WITH DOOR SCHEDULE"

12. Drawing No. A-501:
    a. Door Schedule Mark 4-10: Delete Frame Type "F1"
    b. Door Schedule Marks S1-05, S1-06, S1-08, S1-11, S2-05, S2-06, and S2-11: Replace Comment "2" with Comment "17".
    c. Door Schedule Comments: Add Comment 17 to Read:
       "17. COORDINATE WITH DIRECTOR'S REPRESENTATIVE FOR THE REINSTALLATION OF EXISTING SIGNAGE WITH ADHESIVE."

ELEVATOR WORK DRAWINGS

13. Drawing No. U-101
    a. General Notes, Change Note L to Read:
       "L. PROVIDE TEMPORARY PARTITIONS AT ELEVATOR ENTRANCES FOR THE PERFORMANCE OF CONTRACT WORK, AS DETAILED ON U-503."

14. Drawing No. U-103:
    a. ELEVATOR CONTRACT FINISH SCHEDULE, DESIGNATION SS-4: Change the DESCRIPTION for the FINISH to Read:
       "304 BRONZE SATIN HIGHLIGHTED"

    b. ELEVATOR CONTRACT FINISH SCHEDULE, DESIGNATION LP-2: Change the DESCRIPTION to Read:
       "MANUFACTURER: WILSONART
       COLOR: MAMBO 7948K-07
       STYLE: MATTE FINISH"

15. Drawing No. U-408: Detail 1, Enlarged Penthouse Plan – Elevator Overhead Space: Add Drawing Note 519 to the Secondary Spaces of Elevators 1, 2, 3, 5, 6, & 9.

16. Revised Drawing:
    a. Drawing No. U-503, noted "REVISED DRAWING 4/12/2024" accompanies this Addendum and supersedes the same numbered originally issued drawing.

ELECTRICAL WORK DRAWINGS

17. Drawing No. E-101:
    a. Keynotes: Change Keynote 2 to Read:
       "2. PROVIDE (2)-CAT 6 CABLES IN CONDUIT FROM EACH ELEVATOR CONTROLLER TO THE SECURITY ROOM ON THE 3RD FLOOR FOR THE ELEVATOR MANAGEMENT SYSTEM. PROVIDE (2)-CAT 6 SHIELDED

CABLES FROM EACH ELEVATOR CONTROLLER AND FROM THE ELEVATOR MACHINE ROOM TO THE SECURITY ROOM ON THE 3RD FLOOR FOR EMERGENCY COMMUNICATIONS."

b. Keynotes: Change Keynote 7 to Read:
"7. PROVIDE (2)-CAT 6 CABLES IN CONDUIT FROM THE ELEVATOR CONTROLLER TO THE SECURITY ROOM ON THE 3RD FLOOR FOR THE ELEVATOR MANAGEMENT SYSTEM. PROVIDE (2)-CAT 6 SHIELDED CABLES FROM EACH ELEVATOR CONTROLLER AND FROM THE ELEVATOR MACHINE ROOM TO THE SECURITY ROOM ON THE 3RD FLOOR FOR EMERGENCY COMMUNICATIONS."

18. Drawing No. E-102:
    a. Keynotes: Change Keynote 2 to Read:
    "2. PROVIDE (2)-CAT 6 CABLES IN CONDUIT FROM EACH ELEVATOR CONTROLLER TO THE SECURITY ROOM ON THE 3RD FLOOR FOR THE ELEVATOR MANAGEMENT SYSTEM. PROVIDE (2)-CAT 6 SHIELDED CABLES FROM EACH ELEVATOR CONTROLLER AND FROM THE ELEVATOR MACHINE ROOM TO THE SECURITY ROOM ON THE 3RD FLOOR FOR EMERGENCY COMMUNICATIONS."

19. Revised Drawing:
    a. Drawing No. E-401, noted "REVISED DRAWING 4/12/2024" accompanies this Addendum and supersedes the same numbered originally issued drawing.

20. Revised Drawing:
    a. Drawing No. E-501, noted "REVISED DRAWING 4/12/2024" accompanies this Addendum and supersedes the same numbered originally issued drawing.

END OF ADDENDUM

Erik T. Deyoe, P.E.
Director, Division of Design
Design & Construction

SECTION 083344

OVERHEAD COILING FIRE CURTAINS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Fire- and Smoke-Protective Curtain Assemblies.

1.02 RELATED SECTIONS

A. Section 283105 – Modifications to Fire Alarm System.

1.03 COORDINATION

A. Coordinate fire and smoke curtain assemblies with power, signal, fire-alarm, and smoke-detection systems specified in Division 26 and Division 28.

B. Coordinate fire- and smoke-protective curtain assemblies with walls for support requirements, rating continuity, and wall mounted items.

C. Coordinate requirements for metal supports required for fire- and smoke-protective curtain assemblies.

1.04 INFORMATIONAL SUBMITTALS

A. Product Data: Manufacturer's product information and data sheets for each product specified in this section, including:
   1. Substrate preparation instructions and recommendations
   2. Installation means and methods.
   3. Recommendations and requirements for proper storage and handling.

B. Shop Drawings:
   1. Submit Manufacturer’s approved shop drawings detailing the section and elevation views of each product to be installed.
   2. Coordinate with locations listed on Contract Drawings.

C. Warranty Information:
   1. Submit confirmation and details of manufacturer’s warranty, extended warranty, and replacement policies.

1.05 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For smoke- and fire-protective curtain assemblies to include in emergency, operation, and maintenance manuals.

B. Field quality-control reports for required testing.

1.06 QUALITY ASSURANCE

A. Qualifications:
   1. Manufacturer: Minimum of seven (7) years experience in manufacturing fire-and-smoke-protective curtain assemblies at a facility in the United States that have been successfully installed in compliance with requirements of authorities having jurisdiction.
   2. Installers: An entity that employs installers and supervisors who are trained and approved by manufacturer for both installation and maintenance of units required for this Project.

1.07 DELIVERY, STORAGE AND HANDLING

A. Deliver, store and handle materials and products in accordance with the manufacturer's instructions and recommendations and industry standards.

B. Store all materials in the manufacturer’s original packaging until ready for installation. Protect all products from damage or exposure to adverse weather conditions.

1.08 PROJECT CONDITIONS

A. Prior to fabrication, verify that dimensions are consistent with those found in the construction drawings. Where discrepancies exist, confirm the proper dimensions with the Architect before proceeding with work.

1.09 WARRANTY

A. Manufacturer Warranty: Provide manufacturer’s warranty covering parts and labor costs to repair or replace part that fail to perform.
   1. Warranty Period: Parts and labor warranty for 12 months from date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Basis of Design Manufacturer: Smoke Guard, A CSW Industrial Company.
   1. Address: 287 North Maple Grove, Boise, ID 83704.
   2. Phone: (800) 574-0330.
   3. Website: https://smokeguard.com

B. Manufacturer List:
   1. Any Manufacturer providing a specification compliant product may be approved as an equal.
   2. Single manufacturer will provide, from a single source, a fully integrated smoke-and-draft containment system consisting of fire-and-smoke-protective curtains and specified components:

2.02 FIRE- AND SMOKE-PROTECTIVE CURTAIN ASSEMBLIES

A. Smoke Alarm-activated fabric fire and smoke curtain assembly complying with NFPA 92.
   1. Basis of Design Product: Model 2100 Fire + Smoke, by Smoke Guard, a CSW Industrials Company.

B. Fire-Protective Curtain Assemblies: Complying with NFPA 80; listed and labeled by qualified testing agency, for fire-protection ratings indicated, based on testing at as close to neutral pressure as possible in accordance with UL 10D.
   1. Fire-Resistance Ratings: Comply with the following; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
      a. UL 10D Rating: 2 hours.

C. Smoke Control: Provide smoke- and fire-protective curtain assemblies that are listed and labeled with the letter "S" on the rating label by a qualified testing agency for smoke- and draft-control based on testing in accordance with UL 1784 without an artificial bottom seal; with maximum air-leakage rate of 3.0 cfm/sq. ft. (0.01524 cu. m/s x sq. m) of opening at 0.10 inch wg (24.9 Pa) for both ambient and elevated temperature tests.

D. Curtain Materials: Provide manufacturer’s standard multi-layer glass fiber fabric coated on one or both sides complying with each of the following:
   1. Fire-Test-Response Characteristics: Provide products that pass NFPA 701, as determined by testing of fabrics that were treated using treatment-application method intended for use for this Project by a testing and inspecting agency acceptable to authorities having jurisdiction.
   2. Flame-Spread and Smoke-Developed Indexes: 25 and 50, respectively, when tested in accordance with ASTM E84.
   3. Screen Reinforcement: Provide film with reinforcement to limit deflection or tearing.

E. Curtain Attachment: Curtain shall form a pressure-resisting seal with
   1. Side Guides: Formed from galvanized-steel sheet conforming to ASTM A653/A653M with integral pressure-retaining tabs.
   2. Weighted Bottom Bar: Provide weighted bottom bar to ensure smooth operation and hold curtain taut.

F. 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.

G. Housing Type: Sheet metal housings containing support rollers and associated electronics.
   1. Coordinate operator wiring requirements and electrical characteristics with building electrical system.

H. Operation: Controlled descent automatically by fail-safe gravity deployment and motorized rewind. Curtain deploys on activation of the local smoke detector.

I. Release Mechanism: Labelled as defined by UL864.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine substrates upon which work will be installed.
   1. Verify related work performed under other sections is complete and in accordance with Shop Drawings.
   2. Verify wall surfaces are acceptable for installation of smoke containment system components.

B. Coordinate with responsible entity to perform corrective work on unsatisfactory substrates.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

D. Verify that locations of concealed reinforcements have been clearly marked for the installer.

E. Locate reinforcement points and clearly mark their locations if not already done.

3.02 PREPARATION

A. Clean surfaces prior to installation.

B. Prepare surfaces as recommended by the manufacturer for achieving optimal results.

3.03 INSTALLATION

A. Install in accordance with manufacturer's current installation instructions and industry recognized best practices.

B. Install in accordance with all code bodies having jurisdiction.

3.04 CLEANING AND PROTECTION

A. Clean and remove all stains, grime, or other soils using soap and water. Only use detergents approved by the manufacturer for use on the finishes specified. Do not use acid solutions, steel wool, and other harsh abrasives.

B. Damaged products must be repaired or replaced prior to substantial completion.

C. Protect installed products until completion of work specified in this section.

3.05 FIELD QUALITY CONTROL

A. Field Test: Follow manufacturer's cycle test procedures.
   1. Notify Director's Representative, local Fire Marshal, alarm sub-contractor and elevator sub-contractor or service company minimum one week in advance of scheduled testing.

2. Complete maintenance service record.

3.06 DEMONSTRATION

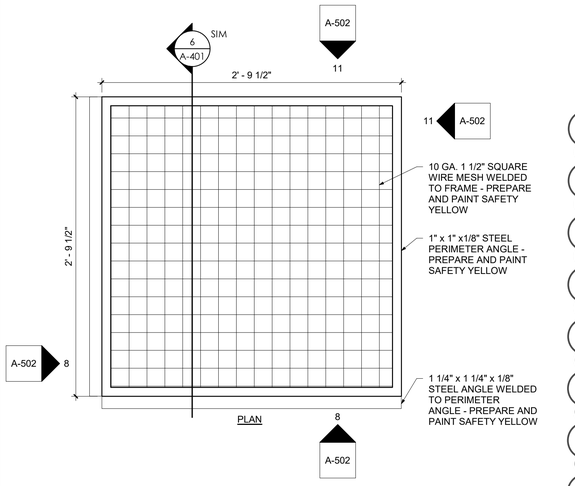
A. Demonstrate required testing and maintenance procedures to Owner's Representative.

3.07 MAINTENANCE AND TESTING

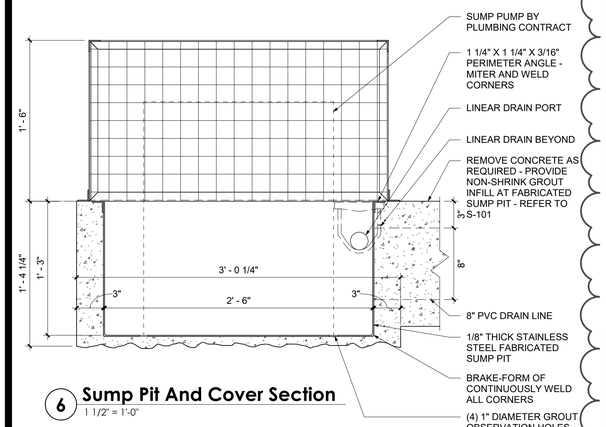
A. Perform minimum semi-annual maintenance and testing on each smoke containment system as required by the manufacturer's warranty, code agency evaluation reports, and as required by local authority having jurisdiction.
   1. Retain permanent record of tests.

B. Fire Event: Owner shall engage a qualified inspector to assess unit(s) after exposure to a fire event.

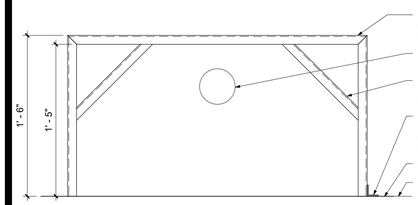
END OF SECTION



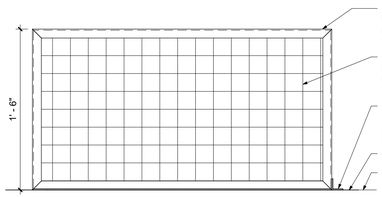
5 Sump Cover Detail
1 1/2" = 1'-0"



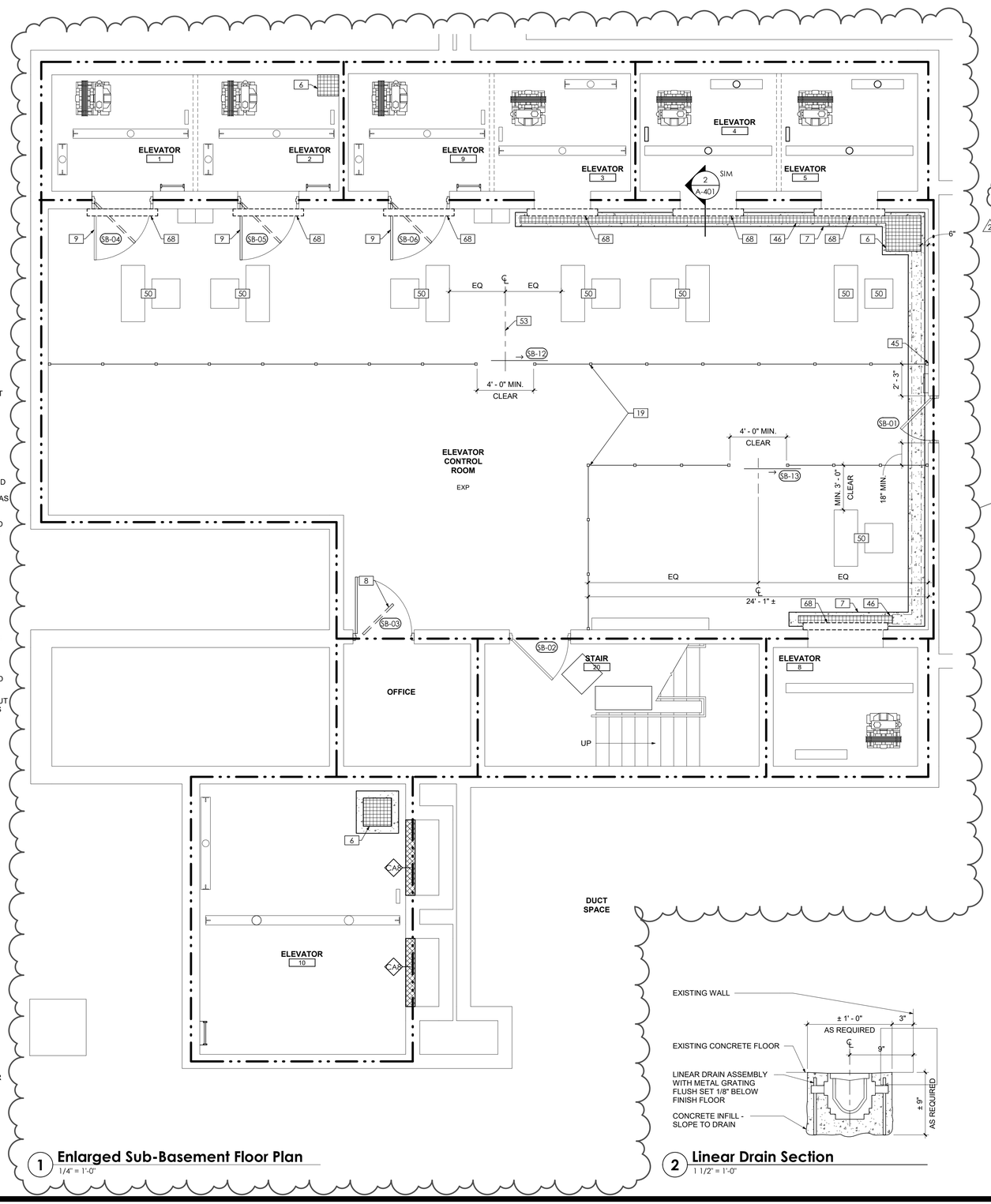
6 Sump Pit And Cover Section
1 1/2" = 1'-0"



3 Sump Cover Elevation
1 1/2" = 1'-0"



4 Sump Cover Elevation
1 1/2" = 1'-0"



1 Enlarged Sub-Basement Floor Plan
1/4" = 1'-0"

2 Linear Drain Section
1 1/2" = 1'-0"

Drawing Notes

#	
6	SAWCUT AND REMOVE EXISTING CONCRETE AS REQUIRED TO PROVIDE FABRICATED SUMP PIT AND COVER - REFER TO S-DRAWINGS AND P-DRAWINGS FOR RELATED WORK - REFER TO THIS SHEET FOR PIT AND COVER DETAILS
7	SAWCUT AND REMOVE EXISTING CONCRETE AS REQUIRED TO PROVIDE SPECIFICED LINEAR DRAINAGE SYSTEM - COORDINATE WITH STRUCTURAL DRAWINGS
8	SAWCUT TO REMOVE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE
9	REMOVE EXISTING WIRE MESH DOOR, FRAME, AND ASSOCIATED HARDWARE AS REQUIRED - PROVIDE SCHEDULED DOOR, FRAME, AND HARDWARE
19	PROVIDE WIRE MESH PARTITION - REFER TO DETAILS 1/A-502, 2/A-502, 4/A-502, 5/A-502, & 6/A-502 FOR APPLICABLE DETAILS
45	COORDINATE WIRE MESH PARTITION TERMINATION WITH RELOCATION OF FIRE ALARM PANEL
46	PROVIDE LINEAR DRAINAGE SYSTEM
50	ELEVATOR EQUIPMENT - REFER TO ELEVATOR CONTRACT - TYPICAL
53	COORDINATE THE LOCATION OF WIRE MESH DOOR WITH THE INSTALLATION LOCATION OF ELEVATOR EQUIPMENT BY THE ELEVATOR CONTRACT
68	PROVIDE OVERHEAD COILING FIRE CURTAIN ASSEMBLY, TYPICAL AT EACH SHAFT ENTRANCE, (TYPICAL OF 7), COORDINATE INSTALLATION AND LOCATION WITH ELEVATOR AND ELECTRICAL CONTRACT FOR RELATED WORK

Drawings Legend

METAL GRATING

CONCRETE

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #: 1127432

Architectural Resources
POPLI DESIGN GROUP
JADE STONE ENGINEERING, PLLC
Adelaide ENVIRONMENTAL HEALTH
SPRING LINE DESIGN ARCHITECTURE + ENGINEERING

REGISTERED ARCHITECT
KEITH D. MURRAY
075981
STATE OF NEW YORK
REGISTRATION EXPIRES: 12/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
REHABILITATE ELEVATORS

LOCATION:
CULTURAL EDUCATION CENTER
222 MADISON AVENUE
ALBANY, NY

CLIENT:
OFFICE OF GENERAL SERVICES

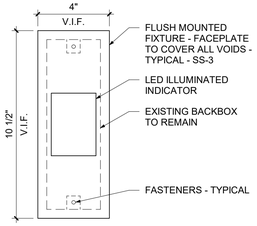
N

MARK	DATE	DESCRIPTION
2	4.12.2024	REVISED DRAWING
	2.14.2024	BID DOCUMENTS

PROJECT NUMBER:	45832 - C
DESIGNED BY:	AJR
DRAWN BY:	CMV
FIELD CHECK:	
APPROVED:	

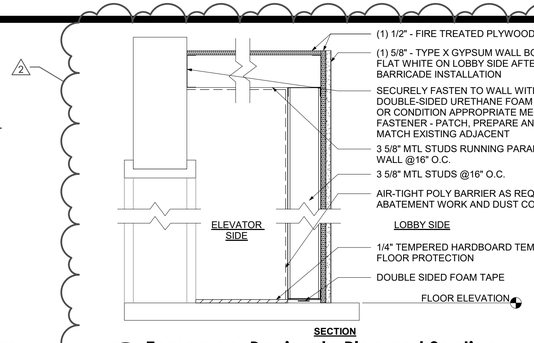
SHEET TITLE:
ELEVATORS #1, #2, #3, #4, #5, #8, #9 & #10 ENLARGED FLOOR PLAN

DRAWING NUMBER:
A-401



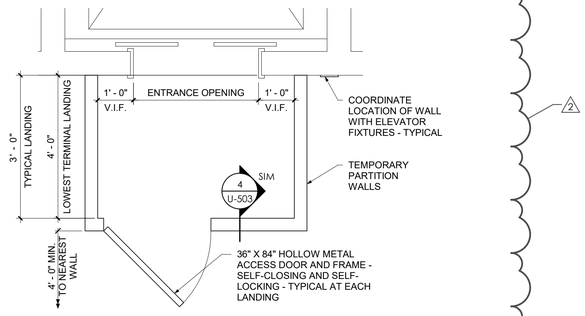
2 Hall Position Indicator Fixture

3" = 1'-0"



4 Temporary Barricade Plan and Section

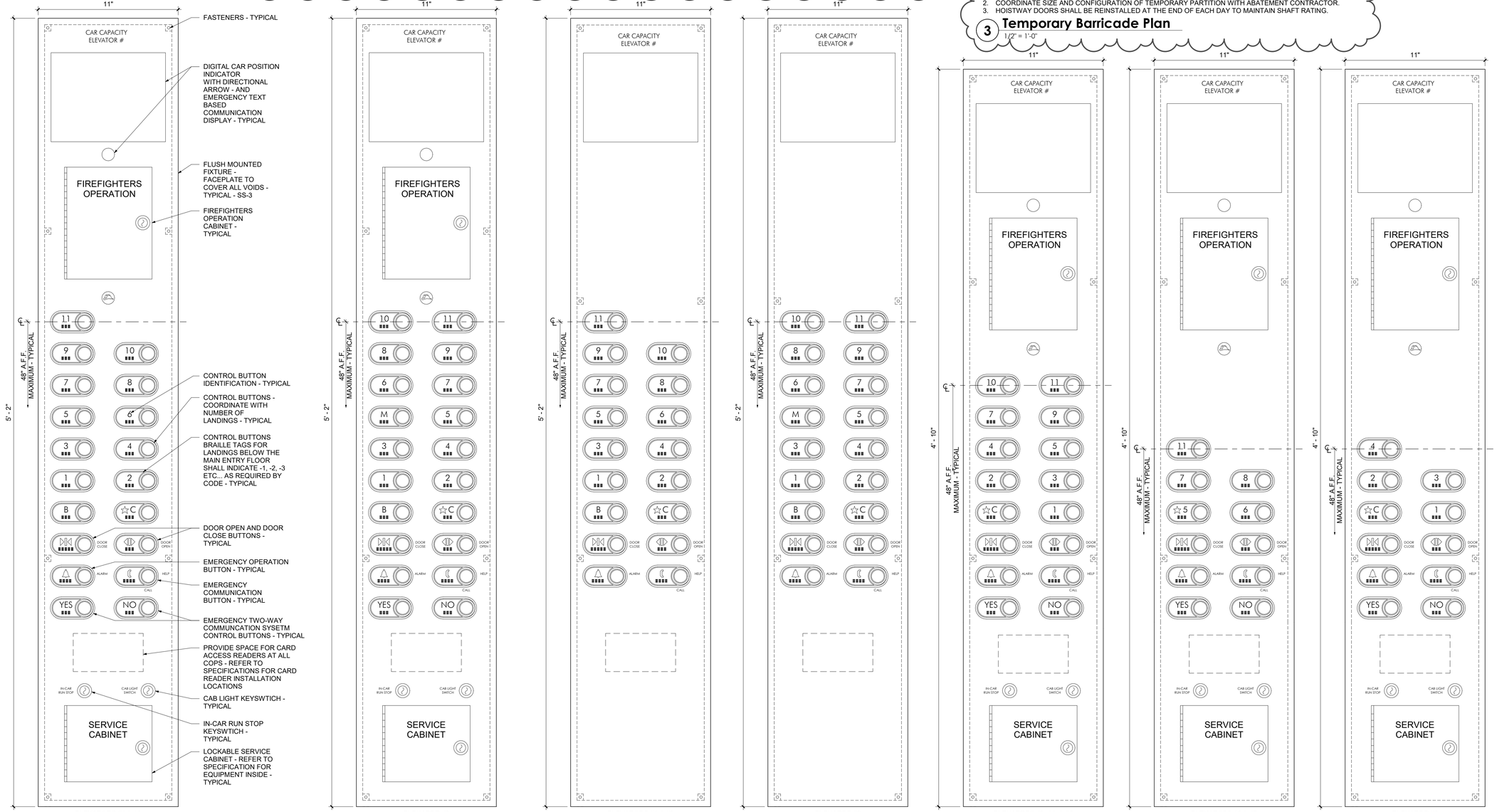
1 1/2" = 1'-0"



NOTE:
1. TEMPORARY PARTITION SHALL BE PROVIDED AT EACH LANDING AND AT EACH ELEVATOR FOR DURATION OF CONSTRUCTION UNLESS OTHERWISE COORDINATED WITH OWNER'S REPRESENTATIVE. MAINTAIN BUILDING EGRESS AND CIRCULATION AS REQUIRED.
2. COORDINATE SIZE AND CONFIGURATION OF TEMPORARY PARTITION WITH ABATEMENT CONTRACTOR.
3. HOISTWAY DOORS SHALL BE REINSTALLED AT THE END OF EACH DAY TO MAINTAIN SHAFT RATING.

3 Temporary Barricade Plan

1/2" = 1'-0"



NOTES:
1. COORDINATE CAR OPERATING PANEL HINGE LOCATION ON SAME SIDE AS NEAREST ADJACENT CAB WALL. FIXTURE DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY. MANUFACTURER DIMENSIONS TO PROVIDE SPECIFIED FEATURES AND FULL COVERAGE OF CAB CUTOUTS TO BE VERIFIED BY CONTRACTOR.
2. DIMESNIONS ARE NOMINAL AND NOT REQUIRED. AUX PANELS TO BE SAME SIZE AS MAIN PANEL. CAR OPERATING PANELS TO BE SIZED AS REQUIRED FOR LANDINGS SERVED.

1 Car Operating Fixtures

3" = 1'-0"

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #: 1127432

Architectural Resources

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JADE STONE ENGINEERING, PLLC

Adelaide ENVIRONMENTAL HEALTH

SPRING LINE DESIGN ARCHITECTURE + ENGINEERING

REGISTERED ARCHITECT KEVIN D. MURPHEY 015981 STATE OF NEW YORK

REGISTRATION EXPIRES: 12/31/2026

CONTRACT:

ELEVATOR

TITLE:

REHABILITATE ELEVATORS

LOCATION:

CULTURAL EDUCATION CENTER
222 MADISON AVENUE
ALBANY, NY

CLIENT:

OFFICE OF GENERAL SERVICES

MARK	DATE	DESCRIPTION
	2.14.2024	BID DOCUMENTS
2	4.12.2024	REVISED DRAWING

PROJECT NUMBER:	45832 - U
DESIGNED BY:	MCS
DRAWN BY:	CMV
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

DETAILS

DRAWING NUMBER:

U-503

SHEET 42 OF 81

POWER KEYNOTES:

(#) ENLARGED PARTIAL SUB-BASEMENT FLOOR POWER PLAN ONLY.

1. PROVIDE GFI RECEPTACLE. CIRCUIT WITH GFI RECEPTACLE IN ELEVATOR 9 PIT.
2. PROVIDE GFI RECEPTACLE. PROVIDE (2)#12+(1)#12GND RECEPTACLE BRANCH CIRCUIT IN 3/4" CONDUIT FROM PANEL EP-22. SEE DRAWING E-501 FOR EP-22 PANEL SCHEDULE.
3. PROVIDE FUSED DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTING. SEE DRAWING E-501 FOR EP-22 PANEL SCHEDULE AND DETAIL 5 ON DRAWING E-502 FOR RISER DIAGRAM. COORDINATE LOCATION OF DISCONNECT SWITCHES WITH ELEVATOR SMOKE CURTAINS.
4. PROVIDE FEEDER FROM SOURCE PANEL TO ISOLATION TRANSFORMER (I.T.). SEE DRAWING E-502 FOR RISER DIAGRAM. CONNECTION TO TRANSFORMER BY ELEVATOR CONTRACT.
5. ELEVATOR #2 IN EXISTING PANEL EDPH-71 SHALL BE SWAPPED WITH ELEVATOR #4 IN EXISTING PANEL EDPH-51. SEE UPDATED ELEVATOR SOURCE OF POWER TABLE ON THIS DRAWING.
6. PROVIDE GFI RECEPTACLE FOR SUMP PUMP CONTROL PANEL. SEE DRAWING E-501 FOR EP-22 PANEL SCHEDULE. CONTROL PANEL BY PLUMBING CONTRACT.
7. PROVIDE FUSED DISCONNECT SWITCH FOR CIRCUIT FEEDING THE RECEPTACLES FOR THE ELEVATOR COMMUNICATIONS. SEE DETAIL 6 ON DRAWING E-502 FOR RISER DIAGRAM.
8. SEE DETAIL 7 ON DRAWING E-502 FOR RISER DIAGRAM.
9. SMOKE CURTAIN CONTROLLER BY CONSTRUCTION CONTRACT. PROVIDE 20A-120V TOGGLE TYPE DISCONNECT AT CONTROLLER. PROVIDE (2)#12+(1)#12GND IN 3/4" CONDUIT FROM 20A-1P BREAKER IN PANEL EP-22 TO CONTROLLER VIA DISCONNECT SWITCH. CONTROLLERS FOR ELEVATORS 1 & 2 TO BE ON SAME CIRCUIT. CONTROLLERS FOR ELEVATORS 9 & 3 TO BE ON SAME CIRCUIT. CONTROLLERS FOR ELEVATORS 4 & 5 TO BE ON SAME CIRCUIT. CONTROLLER FOR ELEVATOR 8 TO BE ON ONE CIRCUIT. COORDINATE LOCATION OF CONTROLLERS WITH CONSTRUCTION CONTRACT.
10. INSTALL LOW VOLTAGE WIRE HARNESS, FURNISHED BY CONSTRUCTION CONTRACT, FROM CONTROLLER TO CURTAIN MOTOR. MAKE CONNECTIONS AT BOTH ENDS.
11. INSTALL KEYED TEST DEPLOY SWITCH, FURNISHED BY CONSTRUCTION CONTRACT, IN 1 GANG BOX. PROVIDE (2)#18AWG WIRES IN 1/2" CONDUIT FROM CONTROLLER TO SWITCH. MAKE CONNECTIONS AT BOTH ENDS. COORDINATE LOCATION OF SWITCH WITH CONSTRUCTION CONTRACT.
12. INSTALL (4) FIRE ALARM RELAYS, FURNISHED BY ALLOWANCE, ONE FOR EACH OF THE (4) SMOKE CURTAIN 120V BRANCH CIRCUITS. RUN THE 120V BRANCH CIRCUITS FEEDING THE SMOKE CURTAIN CONTROLLERS THROUGH THE (4) RELAYS. RELAYS TO BE CONTROLLED BY FIRE ALARM OUTPUT SIGNAL TO CLOSE SMOKE CURTAINS UPON ACTIVATION OF SMOKE DETECTORS IN ELEVATOR MACHINE ROOM SB-1.

ELEVATOR SOURCE OF POWER TABLE
ELEVATORS #1, #2 & #9 ARE FED FROM PANEL EDPH-51.
ELEVATOR #8 IS FED FROM PANEL EDPH-61.
ELEVATORS #4, #3 & #5 ARE FED FROM PANEL EDPH-71.

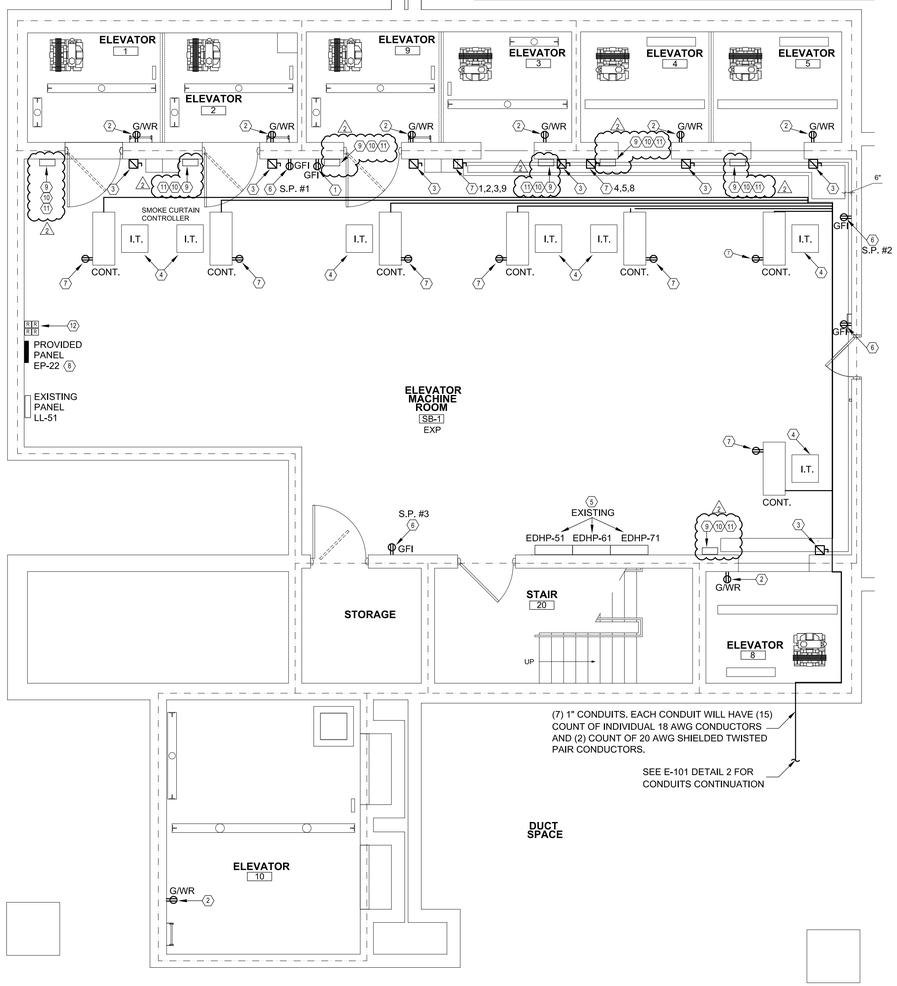
GENERAL NOTES:

1. ALL PROVIDED CONDUITS FOR BOTH POWER AND LIGHTING BRANCH CIRCUITS SHALL BE RUN EXPOSED.

LIGHTING KEYNOTES:

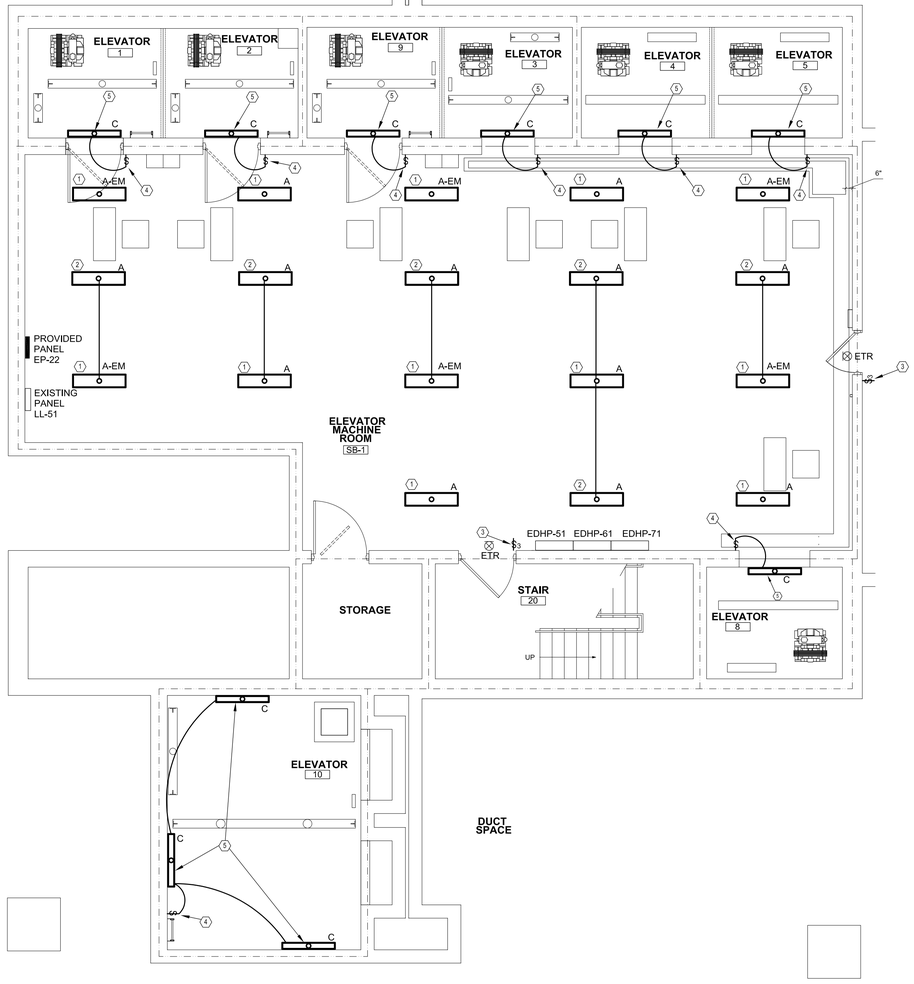
(#) ENLARGED PARTIAL SUB-BASEMENT FLOOR LIGHTING PLAN ONLY.

1. PROVIDE CEILING SURFACE MOUNTED TYPE 'A' OR TYPE 'A-EM' LUMINAIRE WHERE EXISTING LUMINAIRE WAS REMOVED. CONNECT TO EXISTING LIGHTING BRANCH CIRCUIT.
2. PROVIDE CEILING SURFACE MOUNTED TYPE 'A' LUMINAIRE AT THIS LOCATION. EXTEND EXISTING LIGHTING (2)#12+(1)#12GND BRANCH CIRCUIT IN 3/4" CONDUIT TO LUMINAIRES AS SHOWN.
3. PROVIDE 3-WAY SWITCH IN EXISTING BOX FOR CONTROL OF ALL TYPE 'A' LUMINAIRES. REUSE EXISTING BRANCH CIRCUIT.
4. PROVIDE SWITCH FOR CONTROL OF TYPE 'C' LUMINAIRE IN PIT. PROVIDE (2)#12+(1)#12GND BRANCH CIRCUIT IN 3/4" CONDUIT TO LUMINAIRE FOR CONTROL.
5. PROVIDE WALL MOUNTED TYPE 'C' LUMINAIRE ABOVE OPENING. PROVIDE (2)#12+(1)#12GND LIGHTING BRANCH CIRCUIT IN EXISTING CONDUIT FROM CIRCUIT 27 IN EXISTING PANEL EL-52 TO LUMINAIRE. EXTEND EXISTING CONDUITS AS REQUIRED.



2 Enlarged Partial Sub-Basement Floor Power Plan

3/16" = 1'-0"



1 Enlarged Partial Sub-Basement Floor Lighting Plan

3/16" = 1'-0"

NEW YORK STATE Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #: 018110

Ar Architectural Resources

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SPRING LINE DESIGN ARCHITECTURE + ENGINEERING

STATE OF NEW YORK · WILLIAM F. PECK · 085491 · LICENSED PROFESSIONAL ENGINEER

REGISTRATION EXPIRES: 10/25

CONTRACT: ELECTRICAL

TITLE: **REHABILITATE ELEVATORS**

LOCATION: CULTURAL EDUCATION CENTER, 222 MADISON AVENUE, ALBANY, NY

CLIENT: OFFICE OF GENERAL SERVICES

N

MARK	DATE	DESCRIPTION
2	04.12.2024	REVISED DRAWING
	02.14.2024	BID DOCUMENTS

PROJECT NUMBER:	45832 - E
DESIGNED BY:	WEF
DRAWN BY:	JIK
FIELD CHECK:	
APPROVED:	WEF

SHEET TITLE:

ELEVATORS #1, #2, #3, #4, #5, #8, #9 & #10 ENLARGED FLOOR PLANS

DRAWING NUMBER: E-401

SHEET 72 OF 81

ELECTRICAL EQUIPMENT SCHEDULE

EQUIPMENT			LOAD					SERVICE			CONTROLLER/DISCONNECTING MEANS									
TAG	EQUIPMENT DESCRIPTION	LOCATION	VOLTS	PHASE	HP	KW	FLA	FUSED SWITCH NOTE 5	POWER SOURCE	CONDUIT AND CONDUCTORS FROM POWER SOURCE TO CONTROLLER	CONTROLLER TYPE	CONTROLLER MINIMUM SIZE	CONTROLLER FURNISHED BY	CONTROLLER INSTALLED BY	CONDUIT AND CONDUCTORS FROM CONTROLLER TO EQUIPMENT	CONTROLLER LOCATION	EQUIPMENT DISCONNECTING MEANS (LOCATION)	CONTROLLER DISCONNECTING MEANS (LOCATION)	DISCONNECTING MEANS AMPACITY (ECB SIZE)	NOTES
E1	ELEVATOR 1 - TRACTION	ELEV. M.R. SB-1	480	3	-	-	41.1	400/80	EDPH-51	(3)#4, (1)#8G, 1-1/4"C			UC	UC	(3)#4, (1)#8G, 1-1/4"C		ECB (MR SB-1)		80A-3P	
E2	ELEVATOR 2 - TRACTION	ELEV. M.R. SB1	480	3	-	-	41.1	400/80	EDPH-51	(3)#4, (1)#8G, 1-1/4"C			UC	UC	(3)#4, (1)#8G, 1-1/4"C		ECB (MR SB-1)		80A-3P	
E3	ELEVATOR 3 - TRACTION	ELEV. M.R. SB-1	480	3	-	-	32.1	200/50	EDPH-71	(3)#6, (1)#8G, 1"C			UC	UC	(3)#6, (1)#8G, 1"C		ECB (MR SB-1)		50A-3P	
E4	ELEVATOR 4 - TRACTION	ELEV. M.R. SB-1	480	3	-	-	32.1	200/50	EDPH-71	(3)#6, (1)#8G, 1"C			UC	UC	(3)#6, (1)#8G, 1"C		ECB (MR SB-1)		50A-3P	
E5	ELEVATOR 5 - TRACTION	ELEV. M.R. SB-1	480	3	-	-	32.1	200/50	EDPH-71	(3)#6, (1)#8G, 1"C			UC	UC	(3)#6, (1)#8G, 1"C		ECB (MR SB-1)		50A-3P	
E6	ELEVATOR 6 - TRACTION	ELEV. M.R. 6 & 7	480	3	-	-	33.5	100/50	EDPH-58	(3)#6, (1)#8G, 1"C			UC	UC	(3)#6, (1)#8G, 1"C		ECB (MR 6&7)		50A-3P	
E7	ELEVATOR 7 - TRACTION	ELEV. M.R. 6 & 7	480	3	-	-	33.5	100/50	EDPH-58	(3)#6, (1)#8G, 1"C			UC	UC	(3)#6, (1)#8G, 1"C		ECB (MR 6&7)		50A-3P	
E8	ELEVATOR 8 - TRACTION	ELEV. M.R. SB-1	480	3	-	-	39.6	200/60	EDPH-61	(3)#6, (1)#8G, 1"C			UC	UC	(3)#6, (1)#8G, 1"C		ECB (MR SB-1)		60A-3P	
E9	ELEVATOR 9 - TRACTION	ELEV. M.R. SB-1	480	3	-	-	41.1	400/80	EDPH-51	(3)#4, (1)#8G, 1-1/4"C			UC	UC	(3)#4, (1)#8G, 1-1/4"C		ECB (MR SB-1)		80A-3P	
E10	ELEVATOR 10 - TRACTION	ELEV. M.R. 10	480	3	-	-	98.4	400/150	EDPH-58	(3)#1/0, (1)#6G, 2"C			UC	UC	(3)#1/0, (1)#6G, 2"C		ECB (MR 10)		150A-3P	
E11	ELEVATOR 11 - HYDRAULIC	ELEV. M.R. 11	480	3	60	-	-	200/110	EDPH-61	(3)#2, (1)#6G, 1-1/2"C			UC	UC	(3)#2, (1)#6G, 1-1/2"C		ECB (MR 11)		110A-3P	
E12	ELEVATOR 12 - HYDRAULIC	ELEV. M.R. 12	480	3	15	-	-	60/40	EDPH-81	(3)#8, (1)#10G, 1"C			UC	UC	(3)#8, (1)#10G, 1"C		ECB (MR 12)		40A-3P	
E13	ELEVATOR 13 - HYDRAULIC	ELEV. M.R. 13	480	3	15	-	-	60/40	EDPH-81	(3)#8, (1)#10G, 1"C			UC	UC	(3)#8, (1)#10G, 1"C		ECB (MR 13)		40A-3P	
AC-1	SPLIT SYSTEM COOLING INDOOR UNIT	ELEV. M.R. 11	208	1	-	-	.76	-	-	(2)#12, (1)#12G, 3/4"C			MC	MC	(2)#12, (1)#12G, 3/4"C		SS(MR 11)			1
ACCU-1	SPLIT SYSTEM COOLING OUTDOOR UNIT	OUTSIDE M.R. 11	208	1	-	-	13.83	20A-2P	EP-22	(2)#12, (1)#12G, 3/4"C			MC	MC	(2)#12, (1)#12G, 3/4"C		FSS(OUTSIDE MR 11)			1
P-1	SUMP PUMP CONTROL PANEL	ELEV. M.R. SB-1	208	3	1.5	-	6.9	15A-3P	EP-22	(3)#12, (1)#12G, 3/4"C			PC	PC	(3)#12, (1)#12G, 3/4"C		A.U.			2,4
P-2	SUMP PUMP CONTROL PANEL	ELEV. M.R. SB-1	208	3	1.5	-	6.9	15A-3P	EP-22	(3)#12, (1)#12G, 3/4"C			PC	PC	(3)#12, (1)#12G, 3/4"C		A.U.			2,4
P-3	SUMP PUMP CONTROL PANEL	ELEV. M.R. SB-1	120	1	3/4	-	10.4	20A-1P	EP-22	(2)#12, (1)#12G, 3/4"C			PC	PC	(2)#10, (1)#10G, 3/4"C		REC (MR SB-1)			2, 3
P-4	SUMP PUMP CONTROL PANEL	OUTSIDE M.R. 12	120	1	3/4	-	10.4	20A-1P	EP-22	(2)#12, (1)#12G, 3/4"C			PC	PC	(2)#10, (1)#10G, 3/4"C		REC (MR 12)			2, 3
P-5	SUMP PUMP CONTROL PANEL	OUTSIDE M.R. 13	120	1	3/4	-	10.4	20A-1P	EP-22	(2)#12, (1)#12G, 3/4"C			PC	PC	(2)#10, (1)#10G, 3/4"C		REC (MR 13)			2, 3
CR-1	STEAM HEAT EXCHANGERS	OUTSIDE M.R.6 & 7	208	3	3	-	-	15A-3P	LL-55-1-D	(3)#12, (1)#12G, 3/4"C			PC	PC	(3)#12, (1)#12G, 3/4"C					

ABBREVIATIONS:

AU -	AT UNIT
COMB -	COMBINATION MAGNETIC STARTER
MMS -	MANUAL MOTOR STARTER
TSMS -	TWO SPEED MANUAL MOTOR STARTER
PCU -	PACKAGED CONTROL UNIT
VFD -	VARIABLE FREQUENCY DRIVE
SS -	NON FUSED SAFETY SWITCH
FSS -	FUSED SAFETY SWITCH
ECB-	ENCLOSED CIRCUIT BREAKER
IDS -	INTEGRAL DISCONNECT SWITCH
REC	GFI DUPLEX RECEPTACLE WITH WHILE IN USE COVER
GC-	GENERAL CONTRACTOR
EC-	ELECTRICAL CONTRACTOR
UC-	ELEVATOR CONTRACTOR
PC-	PLUMBING CONTRAC˜OR
MC-	MECHANICAL CONTRACTOR

NOTES:
1. INDOOR UNIT IS POWERED VIA OUTDOOR UNIT. WIRE COMPLETE FROM OUTDOOR UNIT TO INDOOR UINIT.
2. SUMP PUMP CONTROL PANEL PROVIDED BY PLUMBING CONTRACT.
3. PROVIDE RECEPTACLE ON DEDICATED CIRCUIT FOR SUMP PUMP CONTROL PANEL POWER.
4. CONNECT TO CONTROL PANEL. CONTROL PANEL HAS BUILT-IN DISCONNECT.
5. REPLACE EXISTING FUSES IN POWER SOURCE PANEL FEEDING THE ELEVATORS WITH SIZE INDICATED.

Branch Panel: EP-22

Location: ELEVATOR MACHINE ROOM SB-1 **Volts:** 208/120V **A.I.C. Rating:** 22kA
Supply From: EDPL-62 **Phases:** 3 **Mains Type:** Top
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 100A
Enclosure: 1 **MCB Rating:** 70A

Notes: New panel

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1				240	240								2
3	SUMP PUMP P-1 CONTROL PANEL	15 A	3			240	240			3	15 A	SUMP PUMP P-2 CONTROL PANEL	4
5								240	240				6
7	SUMP PUMP P-4 CONTROL PANEL	20 A	1	1200	1200					1	20 A	SUMP PUMP P-3 CONTROL PANEL	8
9	SUMP PUMP P-5 CONTROL PANEL	20 A	1			1200	240			1	20 A	ELEV. 5 CAB LIGHTS	10
11	ELEV. 1 CAB LIGHTS	20 A	1					240	240	1	20 A	ELEV. 8 CAB LIGHTS	12
13	ELEV. 2 CAB LIGHTS	20 A	1	240	240					1	20 A	ELEV. 9 CAB LIGHTS	14
15	ELEV. 3 CAB LIGHTS	20 A	1			240	240			1	20 A	ELEV. 10 CAB LIGHTS	16
17	ELEV. 4 CAB LIGHTS	20 A	1					240	840	2	20 A (H)	ACCU-1 & AC-1	18
19	ELEV. 1,2,3&9 COMMUNICATIONS	20 A	1	360	840								20
21	ELEV. 4,5&8 COMMUNICATIONS	20 A	1			360	360			1	20 A	ELEV. 13 COMMUNICATIONS	22
23	ELEV. 10 COMMUNICATIONS	20 A	1					360	1440	1	20 A	ELEV. PITS 1,2,3,4,5,8,9&10	24
25	ELEV. 6&7 COMMUNICATIONS	20 A	1	360	600					1	20 A	ELEV. PITS 11,12&13 RECEPTACLES	26
27	ELEV. 11 COMMUNICATIONS	20 A	1			360	1600			1	20 A	(2) ELEVATOR SMOKE CURTAINS	28
29	ELEV. 12 COMMUNICATIONS	20 A	1					360	1600	1	20 A	(2) ELEVATOR SMOKE CURTAINS	30
31	SPARE	20 A	1	1600						1	20 A	(2) ELEVATOR SMOKE CURTAINS	32
33	SPARE	20 A	1			800				1	20 A	(1) ELEVATOR SMOKE CURTAIN	34
35	SPARE	20 A	1							1		SPACE	36
37	SPACE		1							1		SPACE	38
39	SPACE		1							1		SPACE	40
41	SPACE		1							1		SPACE	42
		TOTAL VA:		6640		5880		5800					

Legend:
(G) - GFIC Breaker (GP) - GFEP Breaker (A) - AFCI Breaker (S) - Shunt Trip Breaker (L) - Lockable Breaker (H) - HACR BREAKER

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LAMPS	VOLTAGE	MOUNTING	REMARKS
A	4' VAPORTITE INDUSTRIAL LED	LED 4000K 4000 LUMENS 30W	M-VOLT	CEILING SURFACE	COOPER LIGHTING:4VT2-LD5-4-DR-UNV-L840-CD1-WL-U
A-EM	4' VAPORTITE INDUSTRIAL LED	LED 4000K 4000 LUMENS 30W	M-VOLT	CEILING SURFACE	COOPER LIGHTING:4VT2-LD5-4-DR-UNV-EL10W-L840-CD1-WL-U
B	2' VAPORTITE INDUSTRIAL LED	LED 4000K 3000 LUMENS 22W	M-VOLT	WALL SURFACE	COOPER LIGHTING:2VT2-LD5-3-DR-UNV-L840-CD1-WL-U
C	4' VAPORTITE INDUSTRIAL LED	LED 4000K 4000 LUMENS 30W	M-VOLT	WALL SURFACE	COOPER LIGHTING:4VT2-LD5-4-DR-UNV-L840-CD1-WL-U
D	VAPORTIGHT LED	LED 4000K 600 LUMENS 15W	M-VOLT	WALL SURFACE	LITHONIA LIGHTING: OLVTWM 400L MVOLT GREY

NEW YORK STATE | Office of General Services
DESIGN & CONSTRUCTION

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CERTIFICATE OF AUTHORIZATION #: 018110

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REGISTRATION EXPIRES: 10/25

CONTRACT: ELECTRICAL

TITLE: **REHABILITATE ELEVATORS**

LOCATION:
CULTURAL EDUCATION CENTER
222 MADISON AVENUE
ALBANY, NY

CLIENT:
OFFICE OF GENERAL SERVICES

MARK	DATE	DESCRIPTION
2	04.12.2024	REVISED DRAWING
	02.14.2024	BID DOCUMENTS

PROJECT NUMBER:	45832 - E
DESIGNED BY:	WEF
DRAWN BY:	JIK
FIELD CHECK:	
APPROVED:	WEF

SHEET TITLE:
ELECTRICAL SCHEDULES

DRAWING NUMBER:
E-501