

DATE: December 23, 2024

DEPARTMENT OF GENERAL SERVICES
BUREAU OF CAPITAL PROJECT DESIGN MANAGEMENT
1800 HERR STREET
HARRISBURG, PENNSYLVANIA

ADDENDUM NO. 3

on

PROJECT NO. DGS C-0503-0027 PHASE 001
PROJECT TITLE - Danville State Hospital - Replace Steam Generation Equipment
PROFESSIONAL:

CJL Engineering
232 Horner St
Johnstown, Pennsylvania, 15902

If you submitted a bid prior to this Addendum being issued, your bid has been discarded and you must re-submit your bid(s) prior to the bid opening date and time.

ADMINISTRATIVE CHANGES – .1 GENERAL CONSTRUCTION CONTRACT

Item 1 - Exterior wall demolition:

The facility is performing the demolition work to remove two sections of approx. 144 square feet of steel frame window for new overhead coiling door / frame assembly and one section of approx. 144 square feet of steel frame window for new man door / frame assembly as noted on drawing A-1 & 2. This portion of work is removed from the scope of the project. Drawings A-1 & 2 have been revised to indicate that this work is being performed by the facility. Specification Section 010100 – Summary of Work and 010300 – Base Bid Descriptions have been revised to remove wall demolitions.

Item 2 - Exterior Wall New Work:

The facility is performing the installation work to install frame assembly for the man door as noted on drawing A-3. This portion of work is removed from the scope of the project. Drawings A-3 has been revised to remove frame details.

Item 3 - Hazmat:

The facility is performing the abatement of the windows being removed for the two new overhead coiling doors, man door, and existing piping insulation where new pipe is to connect to the existing piping mains. This portion of work is removed from the scope of the project. Drawings A-1 & 2 have been revised to indicate that this work is being performed by the facility.

ADMINISTRATIVE CHANGES – .2 HVAC CONSTRUCTION CONTRACT

Item 1 - Drawing Clarification H-5:

Drawing H-5 has been revised to show the correct dimensions of the new combination deaerator and surge tank DA-2.

SPECIFICATION CHANGES – ALL CONTRACTS

Item 1 - Specification Section 010100 - Summary of Work

Item 2 - Specification Section 010300 - Base Bid Descriptions

DRAWING CHANGES – ALL CONTRACTS

Item 1 - A-1

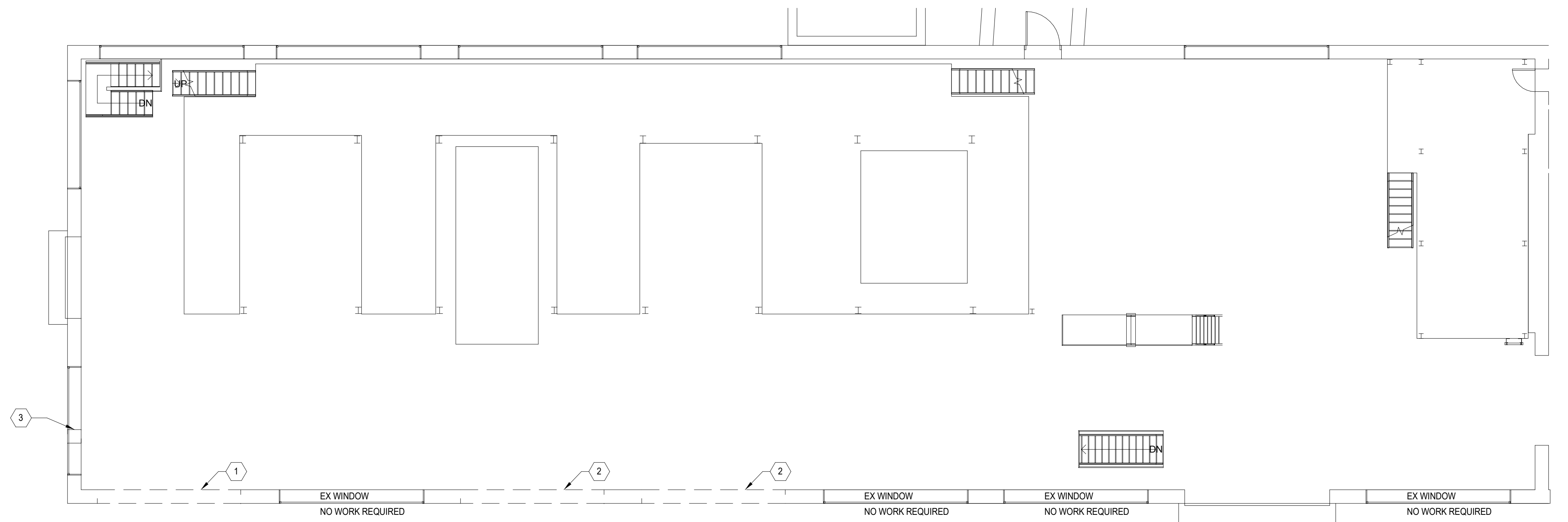
Item 2 - A-2

Item 3 - A-3

Item 4 - H-5

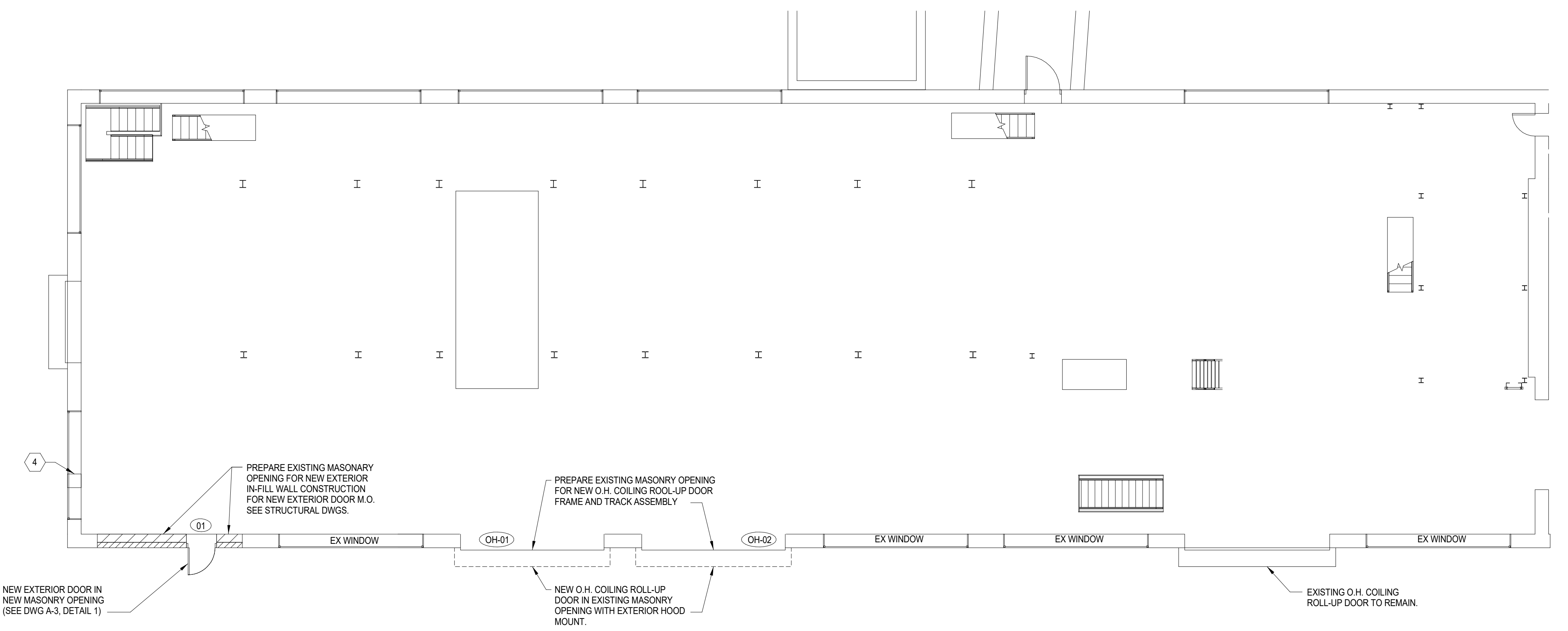
NUMBERED NOTES

- ① CLIENT AGENCY IS TO REMOVE EXISTING APPROX. 144 SQFT STEEL FRAME WINDOW UNIT COMPLETE. CLIENT AGENCY IS TO REMOVE PORTION OF EXISTING MASONRY WALL FOR NEW MAN DOOR / FRAME ASSEMBLY.
- ② CLIENT AGENCY IS TO REMOVE EXISTING APPROX. 144 SQFT STEEL FRAME WINDOW UNIT COMPLETE. CLIENT AGENCY IS TO REMOVE PORTION OF EXISTING MASONRY WALL FROM WINDOW SILL TO EXISTING FLOOR SLAB FOR NEW OVERHEAD COILING DOOR / FRAME ASSEMBLY.
- ③ REMOVE EXISTING APPROX. 10 SQFT SECTION OF MASONRY GLAZING FROM EXISTING STEEL FRAMED WINDOW AT THE UPPER LEVEL WINDOW UNIT FOR NEW 18" Ø FLUE PIPE.
- ④ PREPARE EXISTING STEEL FRAME WINDOW OPENING AT THE UPPER LEVEL WINDOW FOR NEW FLUE PENETRATION PANEL. FURNISH AND INSTALL NEW METAL FRAME INSERT ASSEMBLY FOR NEW FLUE PANEL.



DEMOLITION NOTE
 ① CONTRACTOR RESPONSIBLE FOR ASBESTOS ABATEMENT AND FOR PROPER REMOVAL OF EXISTING STEEL FRAME EXTERIOR WINDOW UNIT FOR NUMBERED NOTE ①. REFERENCE SPEC SECTION 028000 FOR ADDITIONAL INFORMATION.

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



2 PARTIAL BUILDING ELEVATION PLAN - NEW WORK
 A-1 1/8" = 1'-0"

CAMPUS / KEY PLAN	
1	ADDENDUMS - 12/22/2024
RECORD REVISIONS	

CONSTRUCTION DOCUMENTS

MATTHEW R. SOTOSKI
 ENGINEER
 REGISTERED

Matthew R. Sotoski
 SIGNATURE

10-14-2024
 DATE

CJL ENGINEERING
 232 Homer Street
 Johnstown, PA 15902
 ph: (814) 536-1653 fax: (814) 536-5732

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF GENERAL SERVICES
 HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No.
DGS C-0503-0027 Phase 001

**Danville State Hospital
 Replace Steam Generation
 Equipment**

ARCHITECTURAL - PLAN VIEW

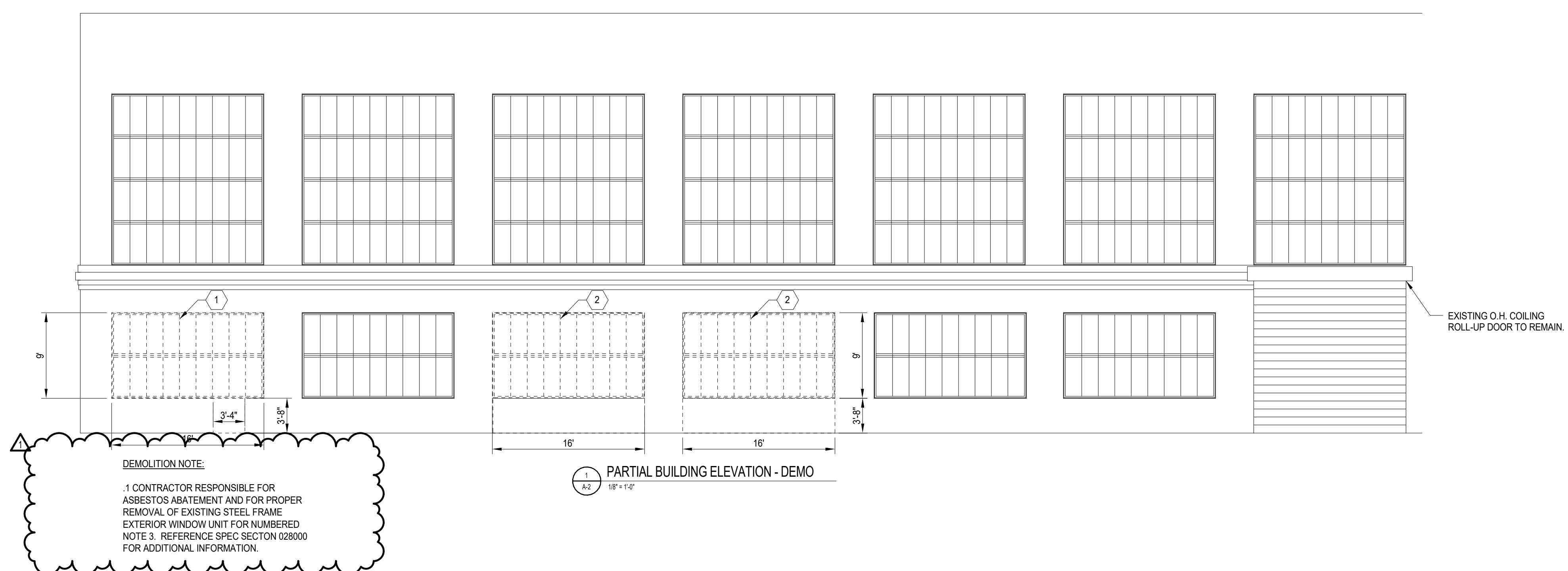
VERIFY SCALE
 BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING.

 IF BAR IS NOT ONE (1) INCH LONG ADJUST SCALE ACCORDINGLY.
 CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.

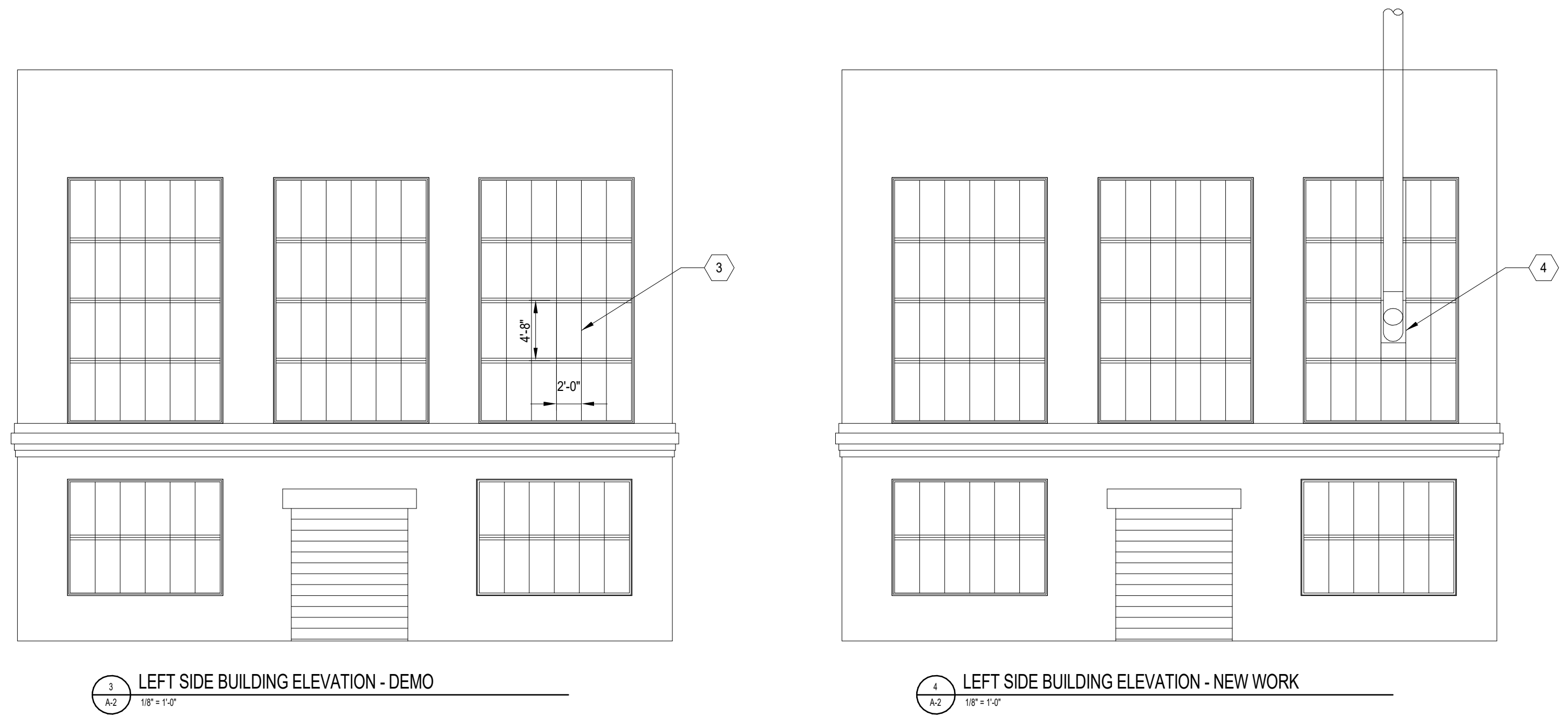
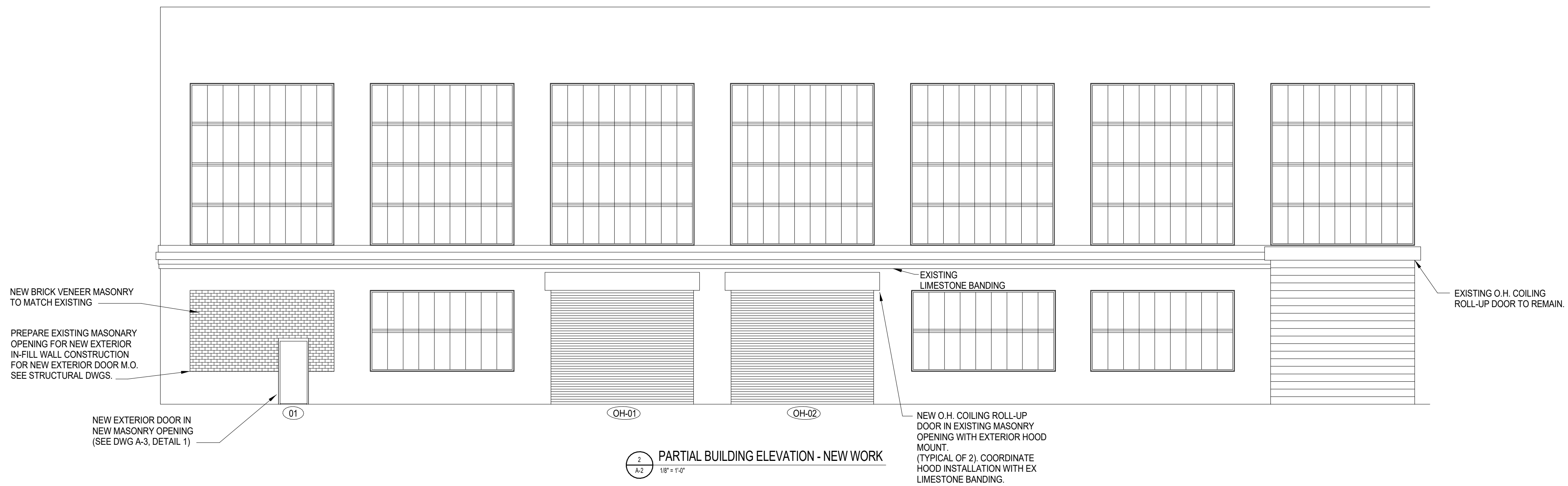
DRAWN BY Author	DATE 10-14-2024	SHEET No.
CHECKED BY Checker	SCALE As indicated	A-1

NUMBERED NOTES

- 1 CLIENT AGENCY IS TO REMOVE EXISTING APPROX 144 SQFT STEEL FRAME WINDOW UNIT COMPLETE. CLIENT AGENCY IS TO REMOVE PORTION OF EXISTING MASONRY WALL FOR NEW MAN DOOR / FRAME ASSEMBLY.
- 2 CLIENT AGENCY IS TO REMOVE EXISTING APPROX 144 SQFT STEEL FRAME WINDOW UNIT COMPLETE. CLIENT AGENCY IS TO REMOVE PORTION OF EXISTING MASONRY WALL FROM WINDOW SILL TO EXISTING FLOOR SLAB FOR NEW OVERHEAD COILING DOOR / FRAME ASSEMBLY.
- 3 REMOVE EXISTING MASONRY WALL FROM WINDOW SILL TO EXISTING FLOOR SLAB FOR EXISTING STEEL FRAMED WINDOW AT THE UPPER LEVEL WINDOW UNIT FOR NEW 18" Ø FLUE PIPE.
- 4 PREPARE EXISTING STEEL FRAME WINDOW OPENING AT THE UPPER LEVEL WINDOW FOR NEW FLUE PENETRATION PANEL. FURNISH AND INSTALL NEW METAL FRAME INSERT ASSEMBLY FOR NEW FLUE PANEL.



DEMOLITION NOTE:
 1. CONTRACTOR RESPONSIBLE FOR ASBESTOS ABATEMENT AND FOR PROPER REMOVAL OF EXISTING STEEL FRAME EXTERIOR WINDOW UNIT FOR NUMBERED NOTE 3. REFERENCE SPEC SECTION 028000 FOR ADDITIONAL INFORMATION.



CAMPUS / KEY PLAN



NO.	REVISIONS	DATE
1	ADDENDUMS - 12/22/2024	

CONSTRUCTION DOCUMENTS

MATTHEW R. SOTOSKI
 ENGINEER
 10-14-2024
 SIGNATURE DATE

232 Homer Street
 Johnstown, PA 15902
 ph: (814) 536-1653 fax: (814) 536-5732

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF GENERAL SERVICES
 HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No. **DGS C-0503-0027 Phase 001**

**Danville State Hospital
 Replace Steam Generation
 Equipment**

**SECTION VIEWS -
 ARCHITECTURAL**

VERIFY SCALE
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DRAWN BY Author	DATE 10-14-2024	SHEET No. A-2
CHECKED BY Checker	SCALE As indicated	

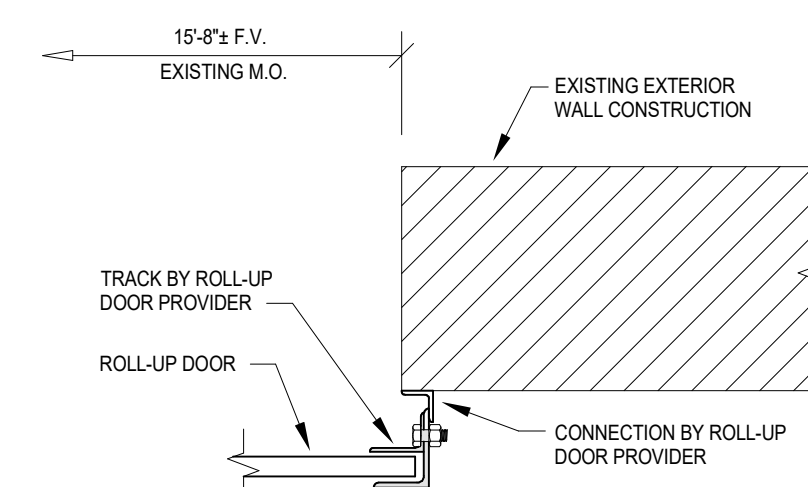
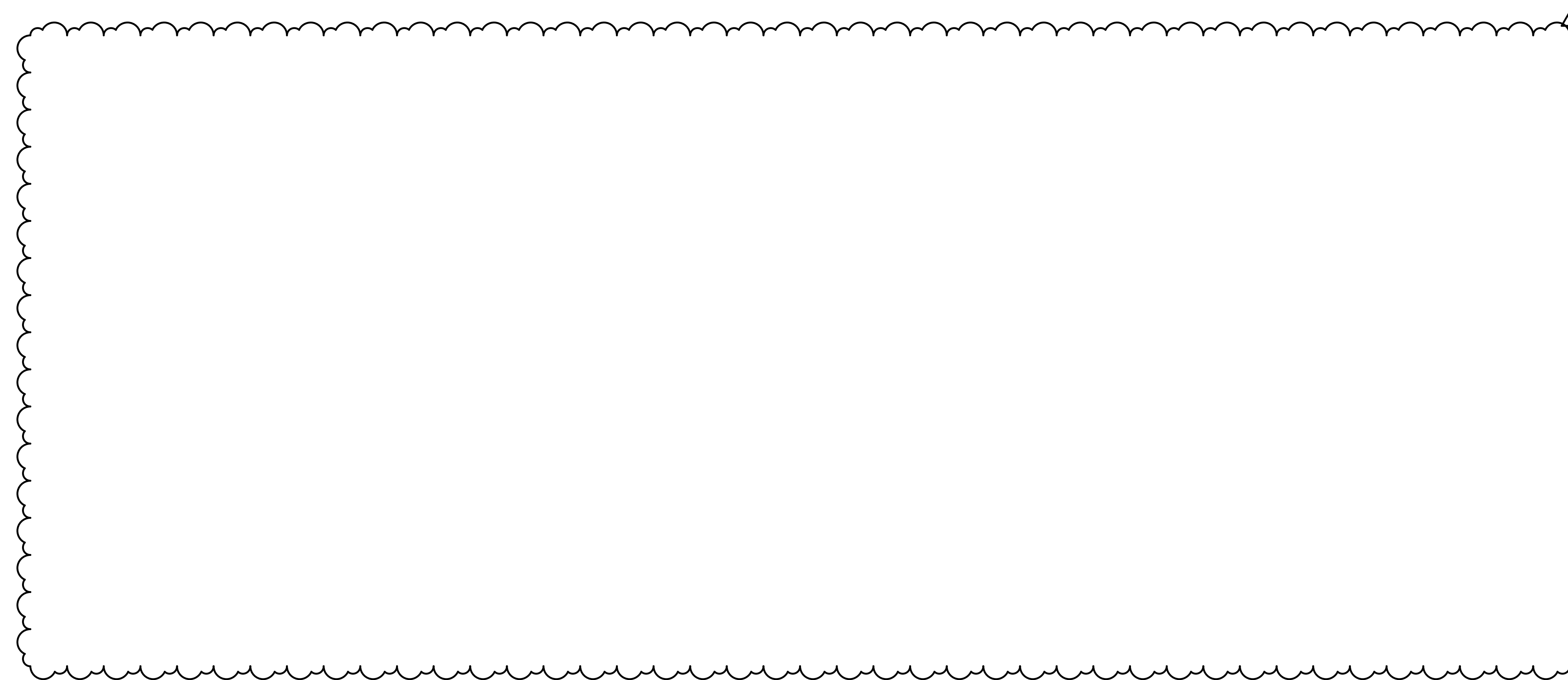
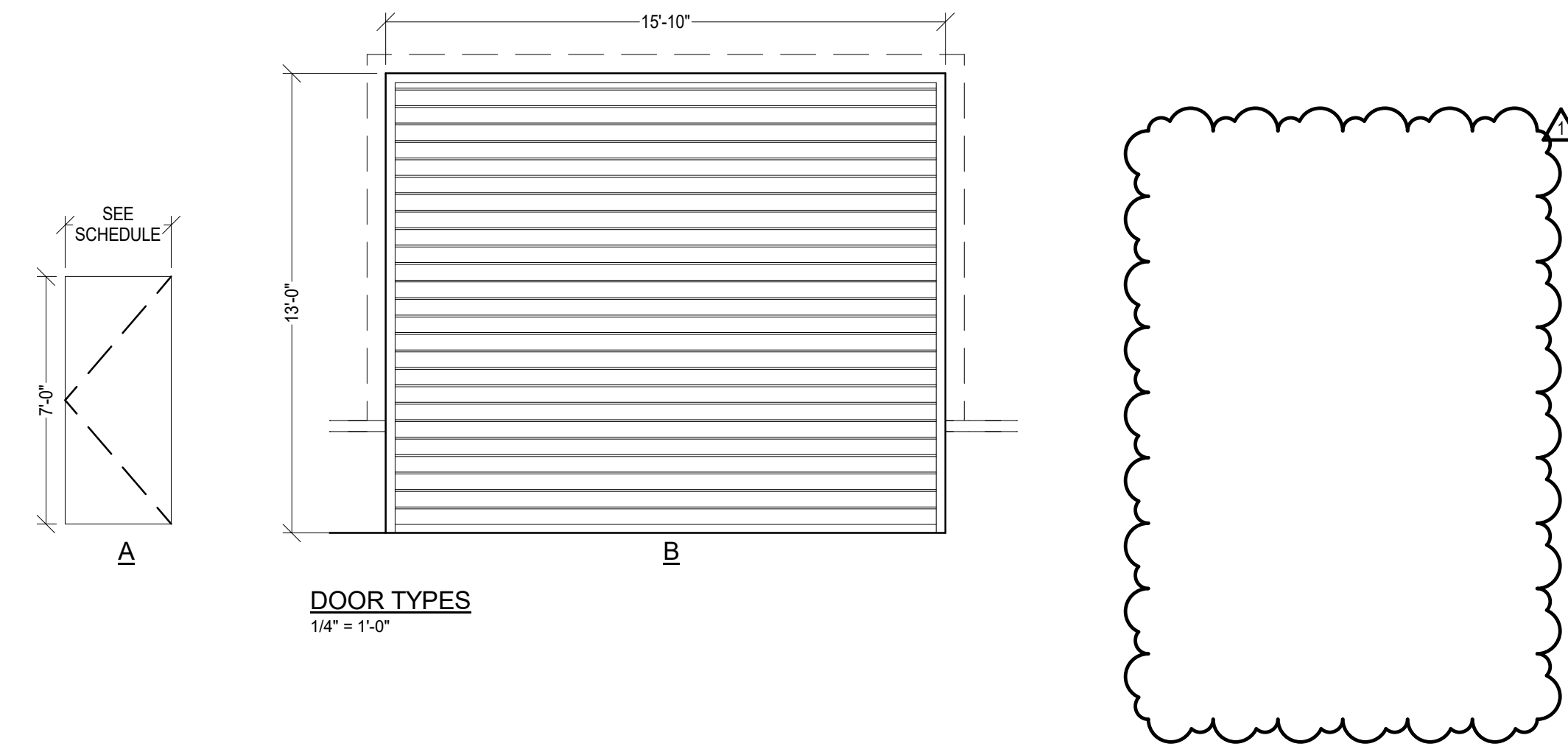
DOOR SCHEDULE													
DOOR NO	DOOR LOCATION	SIZE & THICKNESS	TYPE	MAT'L	FRAME				RATING	THRES	GLASS	HDR SET	REMARKS
					MAT'L	TYPE	HDR	JAMB					
01	NEW MAIN DOOR	3'-0" X 7'-0" X 1 3/4"	A	METAL	-	-	-	-	-	ALUM.	-	1	MATCH EXIST. DOOR FINISH
OH-01	FRONT ELEVATION	15'-10" X 13'-0"	B	METAL	HM	-	H-2	J-2	-	-	-	-	MATCH EXIST. DOOR FINISH
OH-02	FRONT ELEVATION	15'-10" X 13'-0"	B	METAL	STEEL	-	H-2	J-2	-	-	-	-	MATCH EXIST. DOOR FINISH

DOOR NOTES:

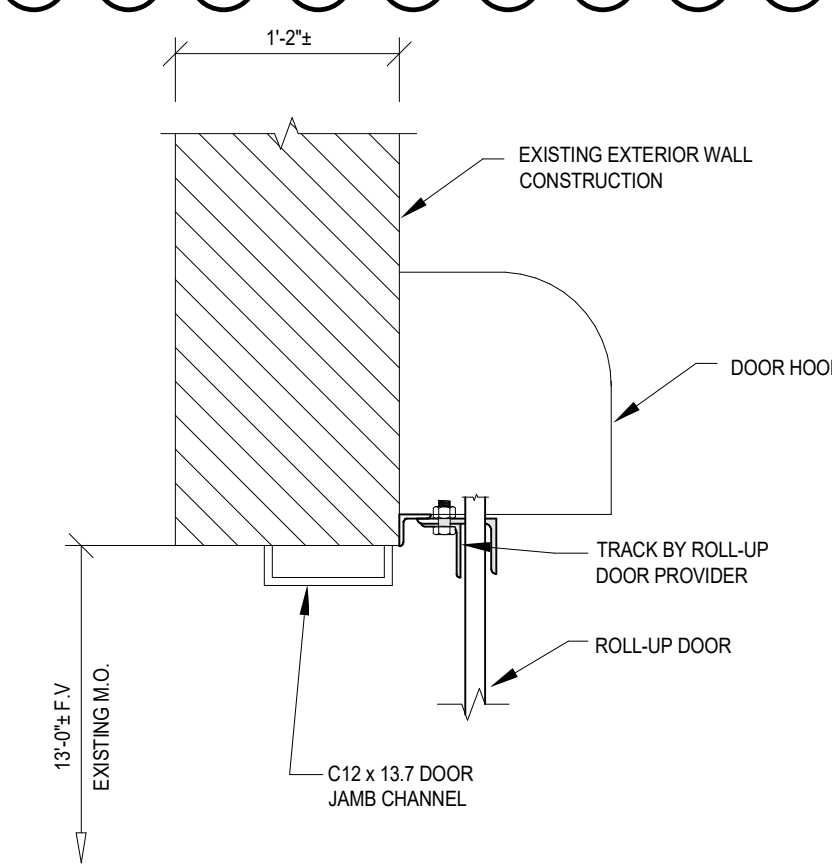
- HARDWARE FINISHES AT ALL DOORS SHALL BE US20D 026 SATIN CHROMIUM - TYPICAL
- ALL NEW DOOR ASSEMBLIES SHALL RECEIVE NEW FINISHES.
STEEL FRAMES (NEW)
ONE (1) COAT OF PRIMER
TWO (2) COATS OF ACRYLIC PAINT
- HARDWARE MANUFACTURERS SPECIFIED TO MATCH OWNER'S STANDARD MATERIALS USED FROM PREVIOUS PROJECTS. FIRE RATED DOOR ASSEMBLIES SHALL RECEIVE UL LABEL. HARDWARE COMPLETE. ALL NEW DOORS SHALL RECEIVE NEW HARDWARE AS NOTED.

DOOR HARDWARE SCHEDULE:

HARDWARE SET #1	QTY	DESCRIPTION
SINGLE DOOR	3 EA	HINGES
EXTERIOR	1 EA	PIR EXIT DEVICE
EXIT	1 EA	SURFACE CLOSER
	1 EA	THRESHOLD
	1 EA	GASKETING
	2 EA	SWEEP



3 JAMB ROLL-UP DOOR DETAIL J-2
1" = 1'-0"



4 HEAD ROLL-UP DOOR DETAIL H-2
1" = 1'-0"

CAMPUS / KEY PLAN	

RECORD REVISIONS
CONSTRUCTION DOCUMENTS



SIGNATURE: *Matthew R. Sotosky*
DATE: 10-14-2024



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No. DGS C-0503-0027 Phase 001

Danville State Hospital
Replace Steam Generation Equipment
SCHEDULES AND DETAILS - ARCHITECTURAL

VERIFY SCALE
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CONTRACTOR SHALL VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.

DRAWN BY Author	DATE 10-14-2024	SHEET No. A-3
CHECKED BY Checker	SCALE As indicated	

Project: C-0503-0027 Danville State Hospital Replace Steam Generation Equipment
Danville State Hospital, Danville, PA

CJL # 23-0092

Addendum No.: 3

Date: December 23, 2024

Addendum Narrative

Contract: .1 General Construction Contract

1 – Exterior Wall Demolition

The facility is performing the demolition work to remove two sections of approx. 144 square feet of steel frame window for new overhead coiling door / frame assembly and one section of approx. 144 square feet of steel frame window for new man door / frame assembly as noted on drawing A-1 & 2. This portion of work is removed from the scope of the project. Drawings A-1 & 2 have been revised to indicate that this work is being performed by the facility. Specification Section 010100 – Summary of Work and 010300 – Base Bid Descriptions have been revised to remove wall demolitions.

2 – Exterior Wall NExew Work

The facility is performing the installation work to install frame assembly for the man door as noted on drawing A-3. This portion of work is removed from the scope of the project. Drawings A-3 has been revised to remove frame details.

3 – Hazmat

The facility is performing the abatement of the windows being removed for the two new overhead coiling doors, man door, and existing piping insulation where new pipe is to connect to the existing piping mains. This portion of work is removed from the scope of the project. Drawings A-1 & 2 have been revised to indicate that this work is being performed by the facility.

Contract: .2 HVAC Contract

1 – Drawing Clarification – H-5

Drawing H-5 has been revised to show the correct dimensions of the new combination deaerator and surge tank DA-2.

NUMBERED NOTES

- 1. CONNECT NEW FUEL GAS PRESSURE TRANSDUCERS TO EXH FIPS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- 2. CONNECT NEW FUEL GAS PRESSURE TRANSDUCERS TO NEW BOILER TO EXH GAS MAIN. PROVIDE NEW SHUTOFF VALVE.
- 3. CONNECT NEW FUEL GAS PRESSURE TRANSDUCERS TO EXH GAS MAIN. PROVIDE NEW SHUTOFF VALVE.
- 4. NEW FUEL GAS PRESSURE TRANSDUCERS TO EXH GAS MAIN. PROVIDE NEW SHUTOFF VALVE.
- 5. SEE GAS REGULATOR SETBACK AND GAS TRAIN PIPING SCHEMATIC DETAILS ON DWG P-10.
- 6. SEE GAS REGULATOR SETBACK AND GAS TRAIN PIPING SCHEMATIC DETAILS ON DWG P-10.
- 7. TURNED DOWN. PROVIDE INSET SCREEN AT FINAL CONNECTION. PROVIDE INSET SCREEN THROUGH WALL SEE DETAIL ON DRAWING H-11.

GENERAL NOTES

- 1. PIPING RESERVINGS AND RESERVING CAPACITY SHALL BE AS SHOWN AND SOLID EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- 2. PIPING RESERVINGS AND RESERVING CAPACITY SHALL BE AS SHOWN AND SOLID TO BE INSTALLED UNDER THE NEW WORK SCOPE.

BASE BID 1:

- 1. INSTALL NEW BOILERS 8-2, 8-3, & 8-4 WITH ASSOCIATED PIPING, BRACING, EQUIPMENT, TRAINING, ECT.
- 2. INSTALL NEW COMBUSTION OPERATOR AND SURGE TANK. PROVIDE NEW FUEL GAS PRESSURE TRANSDUCERS TO EXH GAS MAIN. PROVIDE NEW SHUTOFF VALVE.
- 3. DEMOLITION OF EXISTING UNDESIGNED FLASH TANK. PROVIDE NEW APPROXIMATELY SIZED FLASH TANK WITH ASSOCIATED PIPING.
- 4. INSTALLATION OF NEW STEAM METER ON STEAM MAIN IN TUNNEL.
- 5. DEMOLITION OF EXISTING BOILER CONTROL PANELS AND INSTALLATION OF NEW BOILER CONTROL PANELS.
- 6. DEMOLITION OF EXISTING WALLS AND INSTALLATION OF NEW ROLLUP CHANGE DOORS TO SERVE NEW BOILERS 8-2&3.

BASE BID 2:

- 1. ALL MECHANICAL WORK DESCRIBED IN BASE BID 1, REFER TO ELECTRICAL DRAWINGS FOR BASE BID 2 WORK.

BASE BID 3:

- 1. ALL WORK DESCRIBED IN BASE BID 2.
- 2. INSTALLATION OF SECONDARY PIPING FROM STEAM METER TO CONNECTION POINT IN BASEMENT. SECONDARY STEAM LINE WILL HAVE SHUTOFF VALVE.
- 3. INSTALLATION OF EMERGENCY PORT CONNECTIONS FROM THE STEAM SYSTEM. GAS AND OIL PIPING TO TERMINATION POINT SHOWN ON DRAWINGS FOR EMERGENCY BOILER.

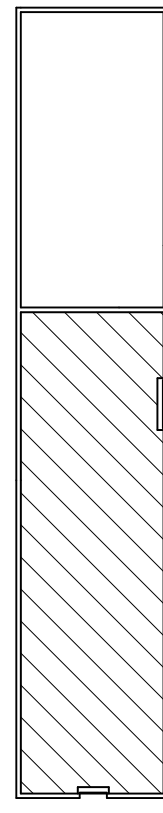
BASE BID 4:

- 1. ALL WORK DESCRIBED IN BASE BID 3.
- 2. INSTALLATION OF NEW STEAM BLOWDOWN SEPARATOR AND ASSOCIATED PIPING.
- 3. INSTALLATION OF NEW CONTROL PANELS FOR SEVERAL PUMPS IN BASEMENT.
- 4. INSTALLATION OF NEW VFDs FOR EXISTING BOILER FEED PUMPS.

BASE BID 5:

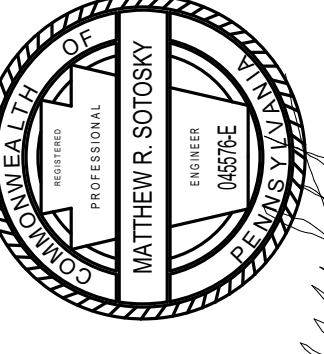
- 1. ALL WORK DESCRIBED IN BASE BID 4.
- 2. INSTALLATION NEW FUEL OIL PUMP ASSEMBLY.
- 3. INSTALL NEW OIL FUEL BURNER ON EXISTING BOILER 8-4 FOR GAS AND OIL-FIRED OPERATION.

CAMPUS / KEY PLAN



1 ADDRESS: 10220204

CONSTRUCTION DOCUMENTS



CJL ENGINEERING
232 HUNTER STREET
P.O. BOX 1000
HARRISBURG, PENNSYLVANIA 17104-1000
10-14-2024 DATE
SIGNATURE

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No. DGS C-0503-0027 Phase 001

Danville State Hospital
Replace Steam Generation Equipment

FIRST FLOOR PLANS - MECHANICAL

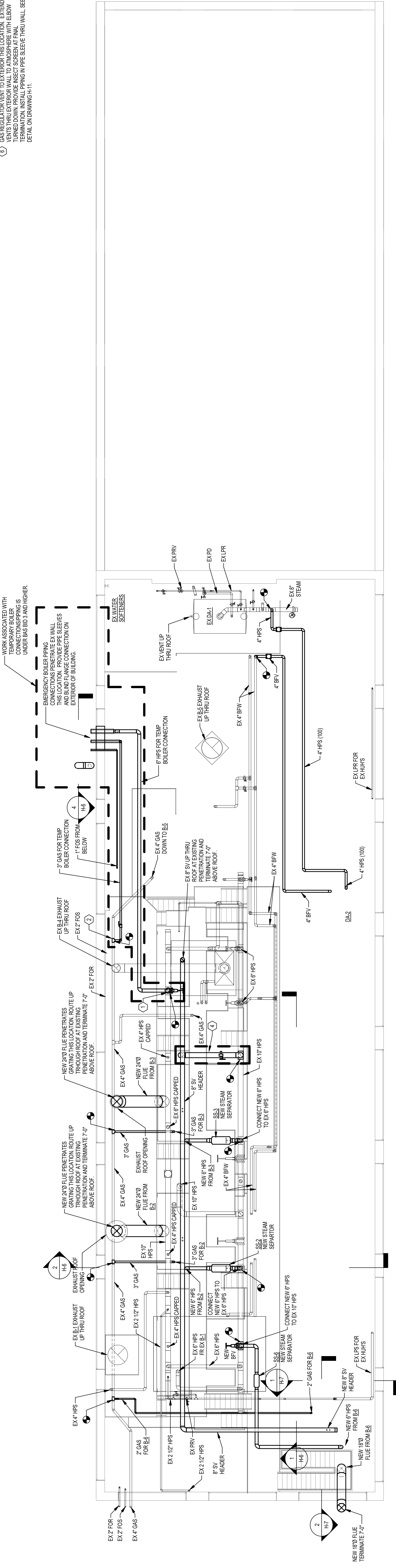
DRAWN BY: JV
CHECKED BY: RBR
DATE: 10-14-2024
SCALE: As Indicated
SHEET No. H-5

VERIFY SCALE

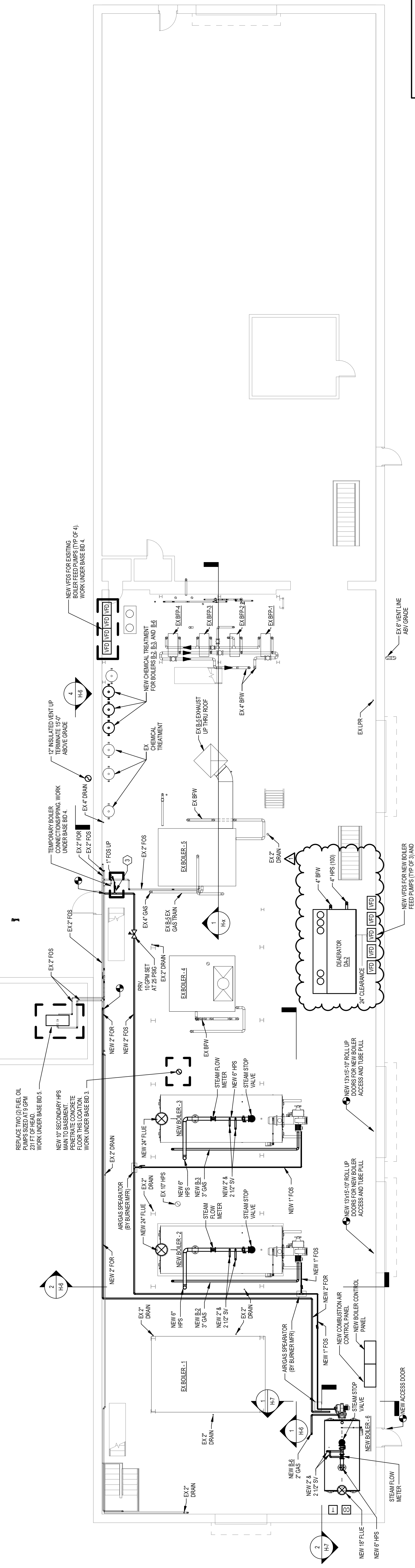
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1 FIRST FLOOR PLAN - UPPER LEVEL
1/8" = 1'-0"



2 FIRST FLOOR PLAN - LOWER LEVEL
1/8" = 1'-0"

SECTION 01 0100 - SUMMARY OF WORK

PART 1 – GENERAL

1.1 STIPULATIONS

- A. The specifications sections "General Conditions of the Construction Contract", "Special Conditions", and "Division 1 - General Requirements" form a part of this Section by this reference thereto, and shall have the same force and effect as if printed herewith in full.

1.2 LOCATION

- A. Danville State Hospital, 50 Kirkbride Drive, Danville, Mahoning Township, Montour County, PA

1.3 PROJECT DESCRIPTION

- A. Replace the existing coal fired boilers and their associated equipment with reliable, energy efficient, gas fired tube package boilers and supporting auxiliary equipment.

1.4 CONTRACT DURATION

- A. The Construction Contract duration shall be **392** calendar days commencing on the date of the Initial Job Conference.
- B. Refer to Section 013100 for how the contract duration may be impacted by long lead-time materials and equipment.

1.5 WORK INCLUDED

- A. The Work of this Project consists of, but is not necessarily limited to, the following. Detailed requirements of the Work are described in the pertinent specification Sections and/or shown on the Drawings.

B. General Construction (.1) Contract:

1. Furnish and install 2 new roll up doors for access and clearance of new boilers B-2 and B-3.
2. Furnish and install a new man door for egress.
3. Concrete and structural repair to the bays where the new boilers B-2 and B-3 will be located.
4. Infill bituminous paving between the garage doors and match to the slope of the concrete pads.
5. Install bituminous paving to 5 feet outside of concreted pads. Match to existing grade. See drawing C001 for site plan and detail.

C. HVAC Construction (.2) Contract:

1. Furnish and install new boilers B-2, B-3 and B-6 with associated piping, breeching, equipment, wiring, etc.
2. Furnish and install new combination deaerator and surge tank DA-2 with associated piping, pumps, wiring, etc. Existing DA tank will remain for backup.
3. Demolition of existing undersized flash tank. Furnish and install new appropriately sized flash tank with associated piping.
4. Furnish and install new steam meter on steam main in tunnel.
5. Demolition of existing boiler control panels. Furnish and install new boiler control panels.
6. Furnish and install new fuel oil piping for new boilers B-2, B-3 and B-6.
7. Furnish and install new steam flow meter, gas flow meter, oil flow meter and makeup water flow meter for each new boiler B-2, B-3 and B-6.
8. Furnish and install new steam flow meter and pressure transmitter in main steam line located in the tunnel.

9. Furnish and install secondary HPS line from steam header to connection point in basement. Secondary steam line will have shutoff valve. – **Base Bid 3**
10. Furnish and install emergency port connections form the steam system, gas and oil piping to termination point shown on drawings for emergency boiler. – **Base Bid 3**
11. Furnish and install new steam blowdown separator and associated piping. – **Base Bid 4**
12. Furnish and install new VFDs for sewer pumps in basement. – **Base Bid 4**
13. Furnish and install new VFDs for existing boiler feed pumps. – **Base Bid 4**
14. Furnish and install new dual fuel burner on existing boiler B-4 for gas and oil fired operation. – **Base Bid No. 5**
15. Demolish and remove existing fuel oil pump assembly. – **Base Bid 5**
16. Furnish and install new fuel oil pump assembly. – **Base Bid 5**

E. Electrical Construction (.4) Contract:

1. Furnish and install power to new boilers B-2, B-3, and B-6 with associated wiring and conduit.
2. Demolition of existing boiler control panels. Furnish and install power to new boiler control panels.
3. Furnish and install power to new rollup garage doors to serve new boilers B-2 and B-3.
4. Furnish and install an uninterruptible power supply (UPS) to back up the master control panel, boiler control panel, network computer system.
5. Demolition of existing motor control center (MCC) and extension of existing circuits to new panelboard and/or existing MCC that is to remain.
6. Demolition of existing substation switchboard. Furnish and install new substation switchboard, including extension of existing circuits previously fed from existing substation switchboard. – **Base Bid No. 2**
7. Demolition of existing substation transformer. Furnish and install new liquid filled substation transformer. – **Base Bid No. 2**
8. Furnish and install emergency port (fused disconnect switch) for temporary boiler. – **Base Bid No. 3**
9. Demolition of power to existing fuel pump assembly. Furnish and install power to new fuel pump assembly. – **Base Bid No. 4**
10. Demolition of existing fire alarm system. Furnish and install new fire alarm system. – **Base Bid No. 4**
11. Wiring and connections of new VFD's – **Base Bid No. 4**

1.6 SPECIFICATION FORMAT

- A. The Specifications for the work of the separate prime Contracts are bound in one volume. Technical provisions which apply to each prime Contract are included in the Divisions listed below:
- B. General Construction (.1) Contract: Divisions 01 through 14 and Divisions 31, 32 and applicable Sections of Division 33
- C. HVAC Construction (.2) Contract: Divisions 01, 23 and applicable Sections of Divisions 02, 03, 05, 07, 09, 25, 31, 32 and 33.
- D. Electrical Construction (.4) Contract: Divisions 01, 25, 26 and applicable Sections of 02, 03, 07, 08, 31, 32, and 33.

1.7 WORK BY OTHERS

- A. Not applicable.

1.8 QUESTIONS DURING BIDDING PERIOD

- A. Direct all questions pertaining to the Project to the Project Professional utilizing the e-Builder Enterprise Software Program (e-Builder) as described in the Instructions To Bidders.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.1 RECORD (AS-BUILT) DRAWINGS

- A. The 0.1 General Contractor shall maintain a complete PDF set of the Contract Drawings at the site and shall record each deviation in his work (in red lines and text using mark-up software) from that indicated on the Contract Drawings. Deviations shall be clearly and accurately recorded so that the Professional can prepare final record (as-built) drawings using the 0.1 General Contractor's marked-up PDF's. Dimensions shall be recorded using permanent reference points such as columns, building walls and like items. These record drawings shall be submitted to e-Builder for review and approval by the Professional prior to final acceptance.

END OF SECTION 01 0100