ADDENDUM NO. 1
to
CONTRACT DOCUMENTS

for
STEM LAB ALTERATIONS AND RENOVATIONS AT CLEARVIEW REGIONAL MIDDLE SCHOOL
located at 595 Jefferson Road, Mullica Hill, NJ 08062

for the
CLEARVIEW REGIONAL HIGH SCHOOL DISTRICT
Mullica Hill, Gloucester County, New Jersey

Issued: October 20, 2023

FVHD PROJECT #5162C

FRAYTAK VEISZ HOPKINS DUTHIE, P.C.
Architects/Planners
1515 Lower Ferry Road
Trenton, New Jersey 08618
George R. Duthie, AIA, PP
License No. 21AI01299200

GILLAN & HARTMANN, INC.
Consulting Engineers
140 Whitaker Avenue, Suite 300
Mont Clare, PA 19453
M. Steven Gillan, P.E.
License No. 24GE4470000

INTENT
This Document supersedes all conflicting and contrary information in said Contract Documents. Said documents are hereby amended in certain particulars as described herein after. Unless specifically noted or specified hereinafter all work shall conform to the applicable provisions of the Contract Documents. Bidders shall acknowledge receiving this document on the Bid Proposal Form.

THE BID DUE DATE HAS BEEN CHANGED AND SEALED BIDS ARE NOW DUE BY TUESDAY, NOVEMBER 14, 2023, 2:00 PM.

This Addendum includes four (4) pages and the following:

1. Pre-Bid Meeting Sign-In Sheet, dated 10/18/23, 1 page.

2. Addendum No. 1 (MEP Portion) as prepared by Gillan and Hartmann, Inc., dated 10/20/23, 4-pages.

3. New Specification Section: 283111, 8-pages.

4. Revised Drawings:
   a. Architectural: G002, A101, A102, A103, A301, A401, A601, A701.
   b. Plumbing: P001, P201.
   c. Mechanical: H101, H102, H201, H202.
   d. Electrical: E001, E101, E201, E202, E701.

REQUESTS FOR INFORMATION (RFI'S)

1. Question: On H202, between columns 31 & 32 and on Row V, there is a box with a reference to Note #8. But on that page there is no Note #8. Please clarify what item this is and what note it is referencing.

   Response: Note #8 should be omitted, this is referencing work from the demolition sheet. Refer to drawing H202 revisions issued under Addendum #1 for clarity.

2. Question: On H202, near column 32 between Rows U & V there is a 2" vent with a label referencing SP-1. Is this an error and actually meaning to reference SE-1?

   Response: This 2" vent is a reference from SE-1, not SP-1. Refer to drawing H202 revisions issued under Addendum #1 for clarity.

3. Question: Is a Structural Steel Subcontractor required to be named / listed in our Bid for this project?

   Response: No. DPMC Classification C029 - Structural Steel & Ornamental Iron contractor **is not** identified in Section 00100 nor indicated on the Bid Proposal Form.

REFER TO DRAWINGS

The following Drawings and/or Sketches are attached to this Addendum:

DRAWING NO.	TITLE
G002	GENERAL NOTES, DRAWING INDEX, AND ABBREVIATION INDEX
A101	EGRESS PLAN
A102	DEMOLITION, FLOOR, & REFLECTED CEILING PLANS; WALL PARTITION TYPES AND NOTES
A103	ROOF PLAN, DETAILS, AND NOTES
A301	WALL SECTIONS AND MISCELLANEOUS DETAILS
A401	ENLARGED ROOM LAYOUT
A601	DOOR & FRAME DETAILS, SCHEDULES, NOTES AND PLAN DETAILS
A701	FLOOR PATTERN LAYOUTS (NEW SHEET)

P001	PLUMBING SYMBOLS, ABBREVIATIONS, & GENERAL NOTES
P201	PLUMBING FIRST FLOOR NEW WORK PLAN
H101	HVAC FIRST FLOOR DEMOLITION PLAN
H102	HVAC ROOF DEMOLITION PLAN
H201	HVAC FIRST FLOOR NEW WORK PLAN
H202	HVAC ROOF NEW WORK PLAN
E001	ELECTRICAL SYMBOL LEGEND
E101	LIGHTING AND POWER REMOVAL WORK
E201	LIGHTING AND POWER NEW WORK
E202	STEM LAB ROOF POWER AND FIRE ALARM NEW WORK
E701	ELECTRICAL DETAILS

The following Drawings to be revised or corrected as follows:

DRAWING NO.	CHANGES AND CORRECTIONS
G002, A101, A102, A103, A301, A401, A601	Delete the referenced drawings in their entirety and substitute with the enclosed revised drawings.
P001, P201	Delete the referenced drawings in their entirety and substitute with the enclosed revised drawings.
H101, H102, H201, H202	Delete the referenced drawings in their entirety and substitute with the enclosed revised drawings.
E001, E101, E201, E202, E701	Delete the referenced drawings in their entirety and substitute with the enclosed revised drawings.

The following are new Drawing(s) to the bid set:

DRAWING NO.	CHANGES AND CORRECTIONS
A701	Add the referenced drawing to the project bid set.

REFER TO SPECIFICATIONS

TABLE OF CONTENTS

Under Part - 6 Electrical Work, add the following new section which is attached to this Addendum:

283111 Fire Alarm System Modifications, 8 pages.

BID NOTICE

On the 10th line, change "Sealed Bids are due by Wednesday, November 8, 2023, 2:00 PM" to read "**Sealed Bids are due by Tuesday, November 14, 2023, 2:00 PM**".

PART 1 - SECTION 00100 - INSTRUCTIONS TO BIDDERS

Page	Paragraph	
00100-5	1.7, B.	On the 3rd line, change "October 25, 2023", to read "November 1, 2023".

PART 1 - SECTION 01800 - TIME OF COMPLETION AND LIQUIDATED DAMAGES

Page	Paragraph	
01800-1	1.2, C.	Delete subparagraph "2." in its entirety.
	1.2, C.3	On the 2nd line, change "**after June 20, 2024 until August 30, 2024**", to read "**after June 24, 2024 until October 25, 2024."** a. Construction / Demolition activities are permitted if they **do not** disturb the school learning environment. Construction / Demolition activities which involve loud noise and/or odors shall only be done second shift.

PART 2 - SECTION 10900 - MISCELLANEOUS EQUIPMENT AND FURNISHINGS

Page	Paragraph	
10900-2	2.2	Delete subparagraph "A." in its entirety and substitute with the following:

A. Basis of Design: "Model No. B-810 24 Spray Booth" as manufactured by BMC Fume Hoods + Lab Furniture; or approved equal.

1. Spray Booth is constructed of 18 gage steel that is formed and welded into a rigid superstructure.
   a. Refer to manufacturer's literature for Rough-in Details.

2. Unit is finished with a chemical resistant powder coat paint finish and has a replaceable, pleated air filter.

3. Non-explosion proof exhaust blower, Model No. 7C037 is mounted directly on top of the unit. A rectangular duct transition is included to connect the exhaust blower to the Spray Booth.
   a. Outlet Size 4-1/4" x 7-3/8"
   b. Motor is 115V/60HZ with 1/4 HP.

4. Explosion Proof Light Fixture: Model F-260.

5. Accessories:
   a. Model F-262 - Explosion proof receptacle.
   b. Model F-264 - Explosion proof switch.
   c. Replacement Filters - Model No. 6556 (16" x 20").
      1) Provide 36 spare filters as attic stock.

6. Coordinate electrical and mechanical requirements with electrical and mechanical trades.

PART 6 - SECTION 283111 - FIRE ALARM SYSTEM MODIFICATION

Add new Section 283111, attached to this Addendum.

END OF ADDENDUM NO. 1

FVHD architects planners
Fraytak Veisz Hopkins Duthie, P.C.
EST 1918

www.fvhdpc.com
John J. Veisz, AIA, CSBA, RCI
William D. Hopkins III, AIA, LEED AP
George R. Duthie, AIA, PP

Corporate Office:
1515 Lower Ferry Road
Trenton, New Jersey 08618
tel: 609.883.7101
fax: 609.883.2694

Pennsylvania:
140 Whitaker Avenue, Suite 300
Mont Clare, Pennsylvania 19453
tel: 610.933.6289
fax: 610.933.6294

PROJECT NAME: STEM Lab Alterations & Renovations at Clearview Regional Middle School

DATE: Wednesday, October 18, 2023 at 2:00 PM

FVHD PROJECT#: 5162C

PRE-BID MEETING SIGN-IN SHEET

REPRESENTATIVE NAME (Please Print)	COMPANY NAME & ADDRESS	CONTRACT NUMBER	TELEPHONE#	FAX#	E-MAIL
Gregory Capriotti	Capri Construction Co., Inc. 4266 Post Road Vineland, NJ 08360		856-642-4760	856-646-3624	greg@capriconstructionco.com
DAN SCHIMPF	FVHD				
BRIAN BURTON	CLEARVIEW REGIONAL				
Joe Marino	Marino General Const. Inc. 989 S. main St. Williamstown NJ	609-685-6135	→	856-629-2829	joe@marinogc.net nmarino469@yahoo.com
Josh Levy	Levy Construction Co 600 Newton Ave Oaklyn, NJ		856-547-0707	3424	Josh@LevyConstruction.com
DENNIS STULACK	STULACK BROTHERS		856-881-2866	856-881-8893	DENNIS@STULACKBROTHERS.NET

ADDENDUM NO. 1 (MEP portion)

to the

SPECIFICATIONS AND DRAWINGS

for the

NEW STEM LAB AT CLEARVIEW REGIONAL MIDDLE SCHOOL IN CLEARVIEW REGIONAL HIGH SCHOOL DISTRICT

Located at

595 Jefferson Rd, Mullica Hill, New Jersey 08062

Gillan and Hartmann, Inc.

1. MEP Addendum No. 1 dated October 20, 2023, is issued as part of the Contract Documents, dated October 11, 2023 to inform and/or specify changes, which take precedence over information contained in the original Contract Documents. Unless otherwise specifically noted or specified hereinafter, or shown on drawings or schedules accompanying this Addendum, all work required by this Addendum shall conform to the applicable provisions of the Contract Documents. It shall be the responsibility of the Bidder to include in their bid any cost implications of this Addendum. All Bidders are to indicate on the form of proposal submitted by them, acknowledgment of receipt and compliance with the contents of this change to the Contract Documents.

2. Any provision in any of the Contract Documents which may be in conflict or be inconsistent with the contents of this Addendum shall be void to the extent of such conflict or inconsistency.

3. HVAC TRADE

3.1 CLARIFICATIONS:

3.1.1. None.

3.2 ERRATA IN THE SPECIFICATIONS

3.2.1. None.

3.3 ERRATA ON THE DRAWINGS

3.3.1. Drawing H101 – HVAC First Floor Demolition Plan: Drawing keyed notes adjusted for clarity.

3.3.2. Drawing H102 – HVAC Roof Demolition Plan: Drawing keyed notes adjusted for clarity.

3.3.3. Drawing H201 – HVAC First Floor New Work Plan: Removed "Not For Construction" tag, Revised T-Stat location, Added Vent relief for Storage Cabinet and Drawing keyed notes adjusted for clarity.

3.3.4. Drawing H202 – HVAC Roof New Work Plan: Removed miscellaneous dimension not used, Removed keynote not used and Drawing keyed notes adjusted for clarity.

4. PLUMBING TRADE

4.1 CLARIFICATIONS:

4.1.1. None.

4.2 ERRATA IN THE SPECIFICATIONS

4.2.1. None.

4.3 ERRATA ON THE DRAWINGS:

4.3.1. Drawing P001 – Plumbing Symbols, Abbreviations, & General Notes: Removed “Not For Construction” tag and Drawing General notes adjusted for clarity.

4.3.2. Drawing P101 – Plumbing First Floor Demolition Plan: Removed “Not For Construction” tag.

4.3.3. Drawing P201 – Plumbing First Floor New Work Plan: Removed “Not For Construction” tag and Drawing General notes adjusted for clarity.

4.3.4. Drawing P501 – Plumbing Details, Diagrams & Schedules: Removed “Not For Construction” tag, replaced Penetration Details and Plumbing Fixture Schedule adjusted for clarity.

5. ELECTRICAL TRADE

5.1 CLARIFICATIONS:

5.1.1. None.

5.2 ERRATA IN THE SPECIFICATIONS

5.2.1. Add the attached Specification 283111. Section 260923.

5.3 ERRATA ON THE DRAWINGS:

5.3.1. Drawing E001:

5.3.1.1. Changed symbol descriptions and notes as indicated.

5.3.1.2. Added light fixture to the Lighting Fixture Schedule.

5.3.1.3. Additional modifications and additions as indicated.

5.3.2. Drawing E101:

5.3.2.1. Modifications and additions as indicated.

5.3.3. Drawing E201:

5.3.3.1 Added lighting equipment in Secure Storage 305B.

5.3.4.2 Added power poles and branch circuits to tables in Lab/Robotics Area 305A.

5.3.3.3 Added exterior light fixture outside of Lab/Robotics Area 305A.

5.3.3.4 Removed exit sign in Stem Classroom 305 at door leading into Lab/Robotics Area 305A.

5.3.3.5 Additional modifications and additions as indicated.

5.3.4. Drawing E202:

5.3.4.1 Modifications and additions as indicated.

5.3.5. Drawing E701:

5.3.5.1 Added panelboard branch circuits and modifications as indicated.

END OF ADDENDUM NO. 1

SECTION 283111 - FIRE ALARM SYSTEM MODIFICATIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes requirements for the modification and expansion of the Siemens fire alarm system at the Clearview Regional Middle School. The fire alarm system was installed in 2023 and is maintained by Siemens Fire Safety Branch (Contact Mr. Lucas Baker Telephone 856-234-7666 and email lucas.baker@siemens.com.

B. The project includes requirements to add a new duct mounted smoke detector, multiple voice audio & visual fire alarm indicators, and relocate an existing fire alarm pull station. See the drawings for additional requirements.

C. All equipment and material provided for the fire alarm system shall be fully compatible with the existing Siemens fire alarm system.

D. Coordinate with the equipment manufacturer's representatives listed on the drawings to obtain the requirements to modify the existing systems as shown on the drawings and include in the bid price the costs to provide all required equipment, labor and material to modify the existing systems as shown on the drawings.

E. After the modifications to the existing fire alarm system are complete, test the system in compliance with the requirements of the Local Authority Having Jurisdiction and NFPA 72.

1.3 DEFINITIONS

A. FACP: Fire alarm control panel.

B. LED: Light-emitting diode.

C. NICET: National Institute for Certification in Engineering Technologies.

D. Definitions in NFPA 72 apply to fire alarm terms used in this Section.

1.4 SYSTEM DESCRIPTION

A. The existing fire alarm system is a Siemens System. All new equipment shall be fully compatible with the existing fire alarm system.

B. Coordinate with the manufacturer and provide all equipment, labor, hardware, and material to modify the existing system as shown on the drawings.

1.5 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings:

1. Provide shop drawings that are signed and sealed by a Professional Engineer with the following qualifications:

    a. Trained and certified by manufacturer in fire alarm system design.
    b. Fire alarm certified by NICET, minimum Level III.

2. System Operation Description: Detailed description for this Project, including method of operation and supervision of each type of circuit and sequence of operations for manually and automatically initiated system inputs and outputs. Manufacturer's standard descriptions for generic systems are not acceptable.
3. Device Address List: Coordinate with final system programming.
4. System riser diagram with device addresses, conduit sizes, and cable and wire types and sizes.
5. Wiring Diagrams: Power, signal, and control wiring. Include diagrams for equipment and for system with all terminals and interconnections identified. Show wiring color code.
6. Batteries: Size calculations.
7. Ductwork Coordination Drawings: Plans, sections, and elevations of ducts, drawn to scale and coordinate the installation of duct smoke detectors and access to them. Show critical dimensions that relate to placement and support of sampling tubes, the detector housing, and remote status and alarm indicators. Locate detectors according to manufacturer's written recommendations.

C. Qualification Data: For Installer.

D. Field quality-control test reports.

E. Operation and Maintenance Data: For fire alarm system to include in emergency, operation, and maintenance manuals. Comply with NFPA 72, Appendix A, recommendations for Institution's manual. Include abbreviated operating instructions for mounting at the FACP.

F. The shop drawings shall include signed and sealed (By a NICET qualified Professional Engineer) floorplans (showing the locations of all devices), wiring diagrams, riser diagrams, battery calculations and all additional NFPA 72 requirements.

G. Submittals to Authorities Having Jurisdiction: In addition to distribution requirements for submittals specified in Division 01 Section "Submittals," make an identical submittal to

authorities having jurisdiction for review and approval prior to submission to the Professional. To facilitate review, include copies of annotated Contract Drawings as needed to depict component locations. Resubmit if required to make clarifications or revisions to obtain approval. On receipt of comments from authorities having jurisdiction, submit them to Professional for review.

H. Documentation:

1. Approval and Acceptance: Provide the "Record of Completion" form according to NFPA 72 to Institution, Professional, and authorities having jurisdiction.
2. Record of Completion Documents: Provide the "Permanent Records" according to NFPA 72 to Institution, Professional, and authorities having jurisdiction. The format of the written sequence of operation shall be the optional input/output matrix.

    a. Hard copies on paper to Institution, Professional, and authorities having jurisdiction.

1.6 QUALITY CONTROL

A. Installer Qualifications: Personnel certified by NICET as Fire Alarm Level II.

B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

1.7 PROJECT CONDITIONS

A. Interruption of Existing Fire Alarm Service: Do not interrupt fire alarm service to facilities occupied by Institution or others unless permitted under the following conditions and then only after arranging to provide temporary guard service according to requirements indicated:

1. Notify the District no fewer than five days in advance of proposed interruption of fire alarm service.
2. Do not proceed with interruption of fire alarm service without District's written permission.

1.8 SEQUENCING AND SCHEDULING

A. Existing Fire Alarm Equipment: Maintain fully operational until new equipment has been tested and accepted. As new equipment is installed, label it "NOT IN SERVICE" until it is accepted. Remove labels from new equipment when put into service and label existing fire alarm equipment "NOT IN SERVICE" until removed from the building.

B. Equipment Removal: After acceptance of the new fire alarm system, remove existing disconnected fire alarm equipment.

PART 2 - PRODUCTS

2.1 EXISTING FIRE ALARM SYSTEM

A. Provide equipment that is fully compatible with the existing fire alarm system.

2.2 SYSTEM SMOKE DETECTORS

A. Duct Smoke Detectors:

1. Photoelectric Smoke Detectors:

    a. Sensor: LED or infrared light source with matching silicon-cell receiver.
    b. Detector Sensitivity: Between 2.5 and 3.5 percent/foot smoke obscuration when tested according to UL 268A.

2. UL 268A listed, operating at 24-V dc, nominal.
3. Integral Addressable Module: Arranged to communicate detector status (normal, alarm, or trouble) to the FACP.
4. Plug-in Arrangement: Detector and associated electronic components shall be mounted in a plug-in module that connects to a fixed base. The fixed base shall be designed for mounting directly to the air duct. Provide terminals in the fixed base for connection to building wiring.

    a. Weatherproof Duct Housing Enclosure: UL listed for use with the supplied detector. The enclosure shall comply with NEMA 250 requirements for Type 4X.

5. Self-Restoring: Detectors shall not require resetting or readjustment after actuation to restore them to normal operation.
6. Integral Visual-Indicating Light: LED type. Indicating detector has operated and power-on status. Provide remote status and alarm indicator and test station where indicated.
7. Remote Control: Unless otherwise indicated, detectors shall be analog-addressable type, individually monitored at the FACP for calibration, sensitivity, and alarm condition, and individually adjustable for sensitivity from the FACP.
8. Each sensor shall have multiple levels of detection sensitivity.
9. Sampling Tubes: Design and dimensions as recommended by manufacturer for the specific duct size, air velocity, and installation conditions where applied.
10. Relay Fan Shutdown: Rated to interrupt fan motor-control circuit & relay for smoke damper.

2.3 NOTIFICATION APPLIANCES

A. General Requirements for Notification Appliances: Individually addressed, connected to a signaling-line circuit, equipped for mounting as indicated, and with screw terminals for system connections.

Combination Devices: Factory-integrated audible and visible devices in a single-mounting

assembly, equipped for mounting as indicated, and with screw terminals for system connections.

Visible Notification Appliances: Xenon strobe lights complying with UL 1971, with clear or nominal white polycarbonate lens mounted on an aluminum faceplate. The word "FIRE" is engraved in minimum 1-inch high letters on the lens.

Rated Light Output:

Candela output selected as shown on the drawings.
All strobes shall be 15/30/75/110 cd, selectable in the field.

Mounting: Wall mounted unless otherwise indicated.
For units with guards to prevent physical damage, light output ratings shall be determined with guards in place.
Flashing shall be in a temporal pattern, synchronized with other units.
Strobe Leads: Factory connected to screw terminals.
Mounting Faceplate: Factory finished, red.

Voice/Tone Notification Appliances:

Comply with UL 1480.
Speakers for Voice Notification: Locate speakers for voice notification to provide the intelligibility requirements of the "Notification Appliances" and "Emergency Communications Systems" chapters in NFPA 72.
High-Range and Low Range Units: Provide wattage as required to achieve the requirement of 15dbA above the existing ambient noise level.
Mounting: Flush or surface mounted and bidirectional.
Matching Transformers: Tap range matched to acoustical environment of speaker location.
The Contractor is to provide voice alarm speakers that provide an output of 15dbA above the existing ambient noise level in each of the rooms where voice alarm speakers are indicated.

2.3 WIRE AND CABLE

A. Wire and cable for fire alarm systems shall be UL listed and labeled as complying with NFPA 70, Article 760.

B. Signaling Line Circuits: Twisted, shielded pair, size as recommended by system manufacturer.

C. Non-Power-Limited Circuits: Solid-copper conductors in raceway with 600-V rated, 75 deg C, color-coded insulation.

1. Low-Voltage Circuits: No. 16 AWG, minimum.
2. Line-Voltage Circuits: No. 12 AWG, minimum.

PART 3 - EXECUTION

3.1 EQUIPMENT INSTALLATION

A. Connecting to Existing Equipment: Verify that existing fire alarm system is operational before making changes or connections.

1. Connect new equipment to the existing control panel in the existing part of the building.
2. Connect new equipment to the existing monitoring equipment at the Supervising Station.
3. Expand, modify, and supplement the existing equipment as necessary to extend the existing functions to the new points. New components shall be capable of merging with the existing configuration without degrading the performance of either system.

B. Smoke or Heat Detector Spacing:

1. Smooth ceiling spacing shall not exceed 30 feet.
2. Spacing of heat detectors for irregular areas, for irregular ceiling construction, and for high ceiling areas, shall be determined according to Appendix A in NFPA 72.
3. Spacing of heat detectors shall be determined based on guidelines and recommendations in NFPA 72.

C. HVAC: Locate detectors not closer than 3 feet from air-supply diffuser or return-air opening.

D. Duct Smoke Detectors: Comply with NFPA 72 and NFPA 90A. Install sampling tubes so they extend the full width of the duct. Provide wiring to shut down fan and operate smoke dampers

E. Audible Alarm-Indicating Devices: Install not less than 6 inches below the ceiling. Install bells and horns on flush-mounted back boxes with the device-operating mechanism concealed behind a grille.

F. Visible Alarm-Indicating Devices: Install adjacent to each alarm bell or alarm horn and at least 6 inches below the ceiling.

G. Device Location-Indicating Lights: Locate in public space near the device they monitor.

3.2 WIRING INSTALLATION

A. Install wiring according to the following:

1. NECA 1.
2. TIA/EIA 568-A.

B. Wiring Method: Install wiring in metal raceway according to Division 26.

1. Fire alarm circuits and equipment control wiring associated with the fire alarm system shall be installed in a dedicated raceway system. This system shall not be used for any other wire or cable.

C. Wiring within Enclosures: Separate power-limited and non-power-limited conductors as recommended by manufacturer. Install conductors parallel with or at right angles to sides and back of the enclosure. Bundle, lace, and train conductors to terminal points with no excess. Connect conductors that are terminated, spliced, or interrupted in any enclosure associated with the fire alarm system to terminal blocks. Mark each terminal according to the system's wiring diagrams. Make all connections with approved crimp-on terminal spade lugs, pressure-type terminal blocks, or plug connectors.

D. Cable Taps: Use numbered terminal strips in junction, pull, and outlet boxes, cabinets, or equipment enclosures where circuit connections are made.

E. Color-Coding: Color-code fire alarm conductors differently from the normal building power wiring. Use one color-code for alarm circuit wiring and a different color-code for supervisory circuits. Color-code audible alarm-indicating circuits differently from alarm-initiating circuits. Use different colors for visible alarm-indicating devices. Paint fire alarm system junction boxes and covers red.

F. Risers: Install at least two vertical cable risers to serve the fire alarm system. Separate risers in close proximity to each other with a minimum 1-hour-rated wall, so the loss of one riser does not prevent the receipt or transmission of signals from other floors or zones.

3.3 IDENTIFICATION

A. Identify system components, wiring, cabling, and terminals according to Division 26.

B. Install instructions frame in a location visible from the FACP.

C. Paint power-supply disconnect switch red and label "FIRE ALARM."

3.4 GROUNDING

A. Ground the FACP and associated circuits; comply with IEEE 1100. Install a ground wire from main service ground to the FACP.

3.5 FIELD QUALITY CONTROL

A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust field-assembled components and equipment installation, including connections, and to assist in field testing. Report results in writing.

B. Perform the following field tests and inspections and prepare test reports:

1. Before requesting final approval of the installation, submit a written statement using the form for Record of Completion shown in NFPA 72.
2. Perform each electrical test and visual and mechanical inspection listed in NFPA 72. Certify compliance with test parameters. All tests shall be conducted under the direct supervision of a NICET technician certified under the Fire Alarm Systems program at Level III.

    a. Include the existing system in tests and inspections.

3. Visual Inspection: Conduct a visual inspection before any testing. Use as-built drawings and system documentation for the inspection. Identify improperly located, damaged, or nonfunctional equipment, and correct before beginning tests.
4. Testing: Follow procedure and record results complying with requirements in NFPA 72.
5. Test and Inspection Records: Prepare according to NFPA 72, including demonstration of sequences of operation by using the matrix-style form in Appendix A in NFPA 70.

3.6 ADJUSTING

A. Occupancy Adjustments: When requested within 12 months of date of Substantial Completion, provide on-site assistance in adjusting system to suit actual occupied conditions. Provide up to two visits to Project outside normal occupancy hours for this purpose.

B. Follow-Up Tests and Inspections: After date of Substantial Completion, test the fire alarm system complying with testing and visual inspection requirements in NFPA 72. Perform tests and inspections listed for three monthly, and one quarterly, periods.

3.7 DEMONSTRATION

A. Engage a factory-authorized service representative to train Institution's maintenance personnel to adjust, operate, and maintain the fire alarm system, appliances, and devices.

END OF SECTION 283111

ABBREVIATIONS

AACB	Acrylic acoustical ceiling board	FA	Fire alarm	N	North	T	Tread
A/C	Air conditioning	FB	Face brick	NIC	Not in contract	TB.	Top of bank
AB	Anchor bolt	FBRK	Fire brick	NO	Number	TC	Terra cotta
ACB	Acoustical ceiling board	FD	Floor drain	NOM	Nominal	TEL	Telephone
AD	Area drain	FE	Fire extinguisher	NRC	Noise reduction coefficient	T&G	Tongue and groove
ADJ	Adjacent	FEC	Fire extinguisher cabinet	NTS	Not to scale	TG.	Top of grate
ADJT	Adjustable	FES	Flared end section			TGR	Top of grade
AFF	Above finished floor	FF	Finish floor			THK	Thick
AGG	Aggregate	FFE	Finished floor elevation	OA	Overall	THR	Threshold
AL	Aluminum	FGL	Fiberglass	OC	On center	TKS	Tackstrip
ALT	Alternating	FIN	Finish	OD	Outside diameter	TLT, TOIL	Toilet
ALT. BID	Alternate bid	FIX	Fixture	OH	Overhead	TOC	Top of curb
ANC	Anchor, Anchorage	FLG	Flashing	OP	Opaque	TOM	Top of masonry
ANOD	Anodized	FLR	Floor	OPG	Opening	TOP	Top of plank
AP	Access panel	FND	Foundation	OPP	Opposite	TOS	Top of steel
APX	Approximate	FR	Frame			TPD	Toilet paper dispenser
ARCH	Architect	FRP	Fiberglass reinforced polyester			TPG	Tempered plate glass
		FP	Fire proof	PAR	Parallel	TPTN	Toilet partition
		FRT	Fire retardant	PBD	Particleboard	TV	Television
BB.	Bottom of bank	FS	Floor sink	PC	Plumbing contractor	TYP	Typical
BD	Board	FT	Feet	PCC	Precast concrete	TZ	Terrazzo
BIT	Bituminous	FTG	Footing	PERI	Perimeter		
BF	Barrier Free	FUR	Furring	PG	Plate glass		
BLDG	Building			PK	Parking	UC	Undercut
BLK	Block			PL	Plate	UL	Underwriter's laboratory
BLKG	Blocking	GA	Gauge	P LAM	Plastic laminate	UNO	Unless noted otherwise
BM	Bench mark	GB	Grab bar	PLAS	Plaster	UR	Urinal
BOT	Bottom	GC	General contractor	PNL	Panel		
BRG	Bearing	GCMU	Glazed concrete masonry unit	PNT	Paint (ed)		
BRK	Brick	GD	Grade, grading	PR	Pair	VAT	Vinyl asbestos tile
BRZ	Bronze	GEP	Gypsum wall board epoxy painted	PTT	Precast Terrazzo Tile	VB	Vapor barrier
BS	Both sides	GF	Ground face	PRTT	Precast Resilient Terrazzo Tile	VCT	Vinyl composition tile
BUR	Built up roof	GL	Glass, Glazing	PSF	Pounds per square foot	VERT	Vertical
		GLB	Glass block	PSI	Pounds per square inch	VEST	Vestibule
CAB	Cabinet	GP	Gypsum wall board painted	PTD	Paper towel dispenser	VIF	Verify In Field
CB	Catch basin	GPDW	Gypsum drywall	PTN	Partition	VIN	Vinyl
CEM PLAS	Cement plaster	GR	Grade	PTR	Paper towel receptor	VNR	Veneer
CEP	CMU epoxy painted	GRD.F.BLK	Ground face block	PVC	Polyvinyl chloride	VTR	Vent thru roof
CFL	Counter flashing	GSFT	Glazed structural facing tile	PVMT	Pavement		
CHT	Ceiling height	GST	Glazed structural tile	PWD	Plywood		
CI	Cast iron	GT	Grout			W	West
CJ	Control joint	GV	Galvanized			W/	With
CL	Centerline / closet	GVL	Gravel	QT	Quarry tile	W/O	Without
CLG	Ceiling	GWB	Gypsum Wall Board	QTY	Quantity	WB	Wood base
CLR	Clear					WC	Water closet
CMU	Concrete masonry unit	HB	Hose bib			WD	Wood
COL	Column	HD	Head	R	Riser	WDW	Window
CONC	Concrete	HDW	Hardware	RA	Return air	WG	Wire glass
COND	Condition	HM	Hollow metal	RAD	Radius	WH	Wall hung
CONST	Construction	HOR	Horizontal	RBT	Rubber tile	WIN	Window
CONT	Continuous	HP	Highpoint	RCP	Reinforced concrete pipe	WM	Wire mesh
CONTR	Contractor	HR	Hour	RD	Roof drain	WP	Waterproofing / Work point
COOL	Cooling	HTR	Heater	RE	Reinforce (d), (ing)	WPT	Work point
CP	CMU Painted	HVC	Heating & ventilation contractor	REF	Reference (s)	WR	Water repellent
CPR	Copper			REFL	Reflected	WS	Waterstop
CPT	Carpet	ID	Inside diameter	REG	Register	WSCT	Wainscot
CPT - T	Carpet Tile	INL	Inlet	REM	Remove	WTW	Wall to wall
CRS	Course	INS	Insulate (d), (ion)	REQ	Required	WWF	Welded wire fabric
CSMU	Calcium silicate masonry unit	INT	Interior	RES	Resilient		
CST	Cast stone	INV	Invert	RET	Return		
CT	Ceramic tile			RFG	Roofing		
CTP	Clear tempered plate glass			RFH	Roof hatch		
CTR	Counter	JC	Janitor's closet	RH	Right hand		
CWP	Clear wire plate	JT	Joint	RM	Room		
				RO	Rough opening		
D	Drain (s)			ROW	Right of way		
DBL	Double	KCPL	Keene's cement plaster	RUB	Rubber, base		
DF	Drinking fountain	KIT	Kitchen	RV	Radon vent		
DIM	Dimension	KPL	Kickplate	RWC	Rain water conductor		
DIAM	Diameter						
DK	Deck			S	South		
DMB	Dry marker board	L	Length	SBS	Styrene butadiene styrene		
DN	Down	LAB	Laboratory	SEC	Security		
DR	Door	LAM	Laminate (d)	SC	Solid core		
DS	Downspout	LAV	Lavatory	SCH	Schedule		
DW	Dumbwaiter	LDR	Leader	SCT	Structural clay tile		
		LF	Lineal foot/Linear feet	SD	Storm drain		
E	East	LH	Left-hand	SFGL	Safety glass		
EA	Each	LL	Liveload	SG	Security glazing		
EB	Exhibition Board	LOC	Location	SHM	Security hollow metal		
EC	Electrical contractor	LPT	Low point	SHTH	Sheathing		
EF	Exhaust fan	LTL	Lintel	SIM	Similar		
EIFS	Exterior insulated finish system	LW	Lightweight	SKL	Skylight		
EJ, EXP JT	Expansion joint	LWC	Lightweight concrete	SL	Sleeve		
EL	Elevation			SNT	Sealant		
ELEC	Electrical	MAS	Masonry	SOG	Slab on grade		
ELEV	Elevator	MAT	Material	SP	Soundproof		
EMER	Emergency	MAX	Maximum	SPAC'G	Spacing		
ENC	Enclosure	MC	Mechanical contractor	SPEC	Specification		
ENTR	Entrance	MECH	Mechanical	SPF. BLK	Split face block		
EOP	Edge of paving	MED	Medium	SPK	Speaker		
EP	Epoxy paint	MET	Metal	SQ	Square		
EPDM	Ethylene propylene diene monomers	MFR	Manufacturer	SQ. FT.	Square foot / feet		
EQ	Equal	MH	Manhole	SST	Stainless steel		
EQP	Equipment	MIN	Minimum	STD	Standard		
ERF	Epoxy Resinous Flooring	MISC	Miscellaneous	STG	Seating		
ETR	Existing To Remain	MMB	Membrane	STR	Structural		
ETR-R	Existing To Remain - Refinished	MO	Masonry opening	SUS	Suspended		
ETZ	Epoxy Terrazzo	MOV	Movable	SWF	Security Window Film		
EWC	Electric water cooler	MR	Map receptor	SYN	Synthetic		
EXB	Expansion bolt	MT	Marble threshold	SYS	System		
EXG	Existing	MTD	Mounted				
EXP	Exposed	MTFR	Metal furring				
EXT	Exterior	MULL	Mullion				

GENERAL NOTES

1. ALL CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE SUBMITTING A BID. DISCREPANCIES OR OMISSIONS MUST BE REPORTED TO THE ARCHITECT IN WRITING (10) DAYS PRIOR TO BID OPENING. IF HE OR SHE DOES NOT, CONTRACTOR SHALL CORRECT SAME AT NO CHANGE IN CONTRACT PRICE.
2. CONTRACTOR SHALL PROVIDE ALL REQUIRED SAFETY PROTECTION DURING CONSTRUCTION.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE A SUFFICIENT WORK FORCE TO MEET COMPLETION DATES AS OUTLINED IN THE SPECIFICATIONS. NO EXCEPTIONS WILL BE ALLOWED.
4. DO NOT SCALE THE DRAWINGS.
5. DETAILS NOTED "TYPICAL" IMPLY ALL SUCH CONDITIONS BE TREATED SIMILARLY.
6. MATERIALS LISTED ON THE FINISH SCHEDULE REFER TO THE MAJORITY OF WALLS, FLOOR AND CEILING OF ROOMS SCHEDULED. REFER TO PLANS, DETAILS, INTERIOR ELEVATION, CEILING PLANS, AND NOTES FOR THOSE MATERIALS NOT INDICATED ON THE SCHEDULE BUT ARE STILL REQUIRED IN THE ROOM.
7. UNLESS OTHERWISE NOTED AND UNLESS FACTORY FINISHED, ALL EXPOSED SURFACES OF CMU, CONCRETE, PLASTER, WOOD, GYPSUM BOARD, HOLLOW METAL, HARDWOODS, MISC. METALS ETC., ARE TO RECEIVE PRIME AND FINISH COATS OF PAINT OR CLEAR FINISH AS SPECIFIED AND IN COLORS AS SELECTED BY ARCHITECT. EXCLUDED FROM THIS IS BRICK.
8. ALL OUTSIDE CORNERS OF INTERIOR CONCRETE MASONRY UNITS (CMU) ARE TO BE BULLNOSED UNLESS NOTED OTHERWISE.
9. CALL BEFORE YOU DIG. BEFORE DIGGING CONTRACTOR SHALL CALL 1-800-242-1776 TO HAVE UTILITIES IDENTIFY UNDERGROUND LOCATION OF ALL SERVICE LINES.
10. ALL WORK PERTAINING TO THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND IN AGREEMENT WITH ALL AGENCIES HAVING JURISDICTION.
11. THE CONTRACTOR IS RESPONSIBLE TO SECURE ALL PERMITS, TO OBTAIN APPROVALS AS REQUIRED AND COORDINATE INSPECTION WITH LOCAL BUILDING INSPECTOR. ALL PERMIT AND APPLICATION FEES WILL BE PAID BY THE OWNER AND DELIVERED BY THE CONTRACTOR.
12. DRAWINGS AND SPECIFICATIONS COMPLEMENT EACH OTHER. WORK NOT SHOWN ON DRAWING BUT CALLED FOR IN THE SPECIFICATIONS IS STILL REQUIRED, AND ALL WORK NOT CALLED FOR IN SPECIFICATIONS, BUT CALLED OUT OR SHOWN IN DRAWINGS IS STILL REQUIRED.
13. THE OWNER WILL REMOVE AND RE-INSTALL ALL MOVEABLE EQUIPMENT. EACH CONTRACTOR IS RESPONSIBLE TO REMOVE, STORE AND RE-INSTALL EXISTING BUILT-IN EQUIPMENT REQUIRED TO PERFORM THEIR WORK UNLESS NOTED OTHERWISE.
14. IN ACCORDANCE WITH NJAC 5:23-6.6(i), ALL MATERIALS AND METHODS USED SHALL COMPLY WITH THE REQUIREMENTS SPECIFIED IN N.J.A.C. 5:23-6.8. MATERIALS AND METHODS.
15. WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE, FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED IN ACCORDANCE WITH THE FIRE AND/OR SMOKE PROTECTED ASSEMBLY MARKING DETAIL. REFER TO G003 FOR DETAIL
16. CONSTRUCTION AREA IS LIMITED TO WORK AREA SHOWN ON SHEET A101. CONSTRUCTION WORK IS LIMITED TO REAR DOOR OF WORK AREA ONLY. CORRIDOR DOOR SHALL REMAIN IN PLACE AND INACCESSIBLE DURING CONSTRUCTION. 1

PLAN LEGEND

FE-1 — WALL MOUNTED FIRE EXTINGUISHER ON BRACKET 1

2 HOUR FIRE WALL AS PER U.L. DES. # U905

1 HOUR FIRE BARRIER ASSEMBLY AS PER U.L. DES. # U905 OR # U906

EGRESS LEGEND

PATH OF EGRESS TRAVEL

BARRIER-FREE BUILDING ENTRANCE

XX — TRAVEL DISTANCE

XXXXX — ROOM NET SQUARE FOOTAGE

ROOM CAPACITY

XX — POSTED OCCUPANT LOAD - ALL ROOMS THAT ARE EXISTING, RENOVATED OR CONSTRUCTED AS ADDITIONS UNDER THE NJ REHABILITATION SUBCODE SHALL HAVE POSTED OCCUPANT LOAD SIGNS 1

XX — OCCUPANT LOAD - IBC 2021 NJ CHPT. 10

BUILDING EXIT CAPACITY

X / X — OCCUPANT LOAD - NJ REHAB. SUBCODE; UNITS OF EGRESS WIDTH PROVIDED; UNITS OF EGRESS WIDTH REQUIRED

X / X — OCCUPANT LOAD - IBC 2021 NJ CHPT. 10; NET CLEAR EGRESS WIDTH PROVIDED (IN INCHES); NET CLEAR EGRESS WIDTH REQUIRED (IN INCHES)

DRAWING INDEX

SYMBOL LIST

XX / AXXX — section number; WALL SECTION; drawing number

XX / AXXX — detail number; DETAIL INFORMATION; drawing number

X — DEMOLITION NOTE REFERENCE TAG SEE DEMOLITION NOTES

X — WINDOW OR CURTAINWALL TYPE SEE WINDOW/CURTAINWALL SCHEDULE

XX — DOOR NUMBER SEE DOOR SCHEDULE

XX — BORROWED LIGHT NUMBER SEE DOOR SCHEDULE

XXXX / 000 — ROOM NAME/NUMBER

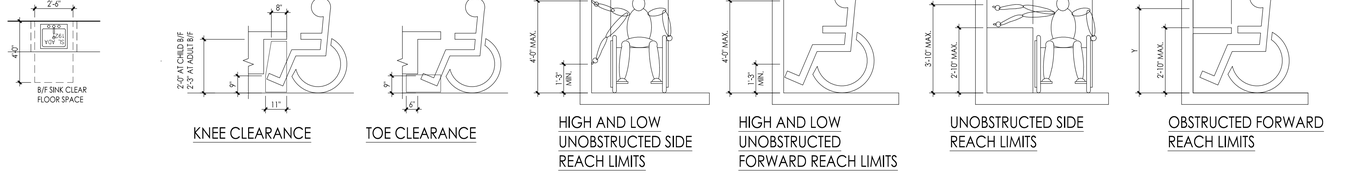
X — EQUIPMENT NUMBER OR LETTER

X — COLUMN NUMBER OR LETTER

XX / AXXX — elevation number; INTERIOR ELEVATION; drawing number

MATERIAL LEGEND

A.C.B. / A.C.T.
CMU
EARTH
POROUS FILL
PLASTER / GYP BD / EIFS
CONCRETE
STUD PARTITION
BATT INSULATION
ROUGH WOOD
PLYWOOD
FINISH WOOD
FACE BRICK
METAL / STEEL
RIGID INSULATION



WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21401/36003 | PA - #AR-020001

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21402/20003

JASON J. DUBOWITCH, AIA
NJ - 21561/19001 | PA - #AR-020009

12/11/23
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC
FVHDPC.COM

Corporate: 1515 Lower Ferry Road - Trenton – New Jersey 08618
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453

Project Name
STEM Lab Alterations & Renovations at Clearview Regional Middle School

Project Owner Name
Clearview Regional High School District

Project Location
595 Jefferson Rd, Mullica Hill, NJ 08062

Project Number
5162C

Project Date
10/11/2023

Checked By
GRD

Drawn By
SB

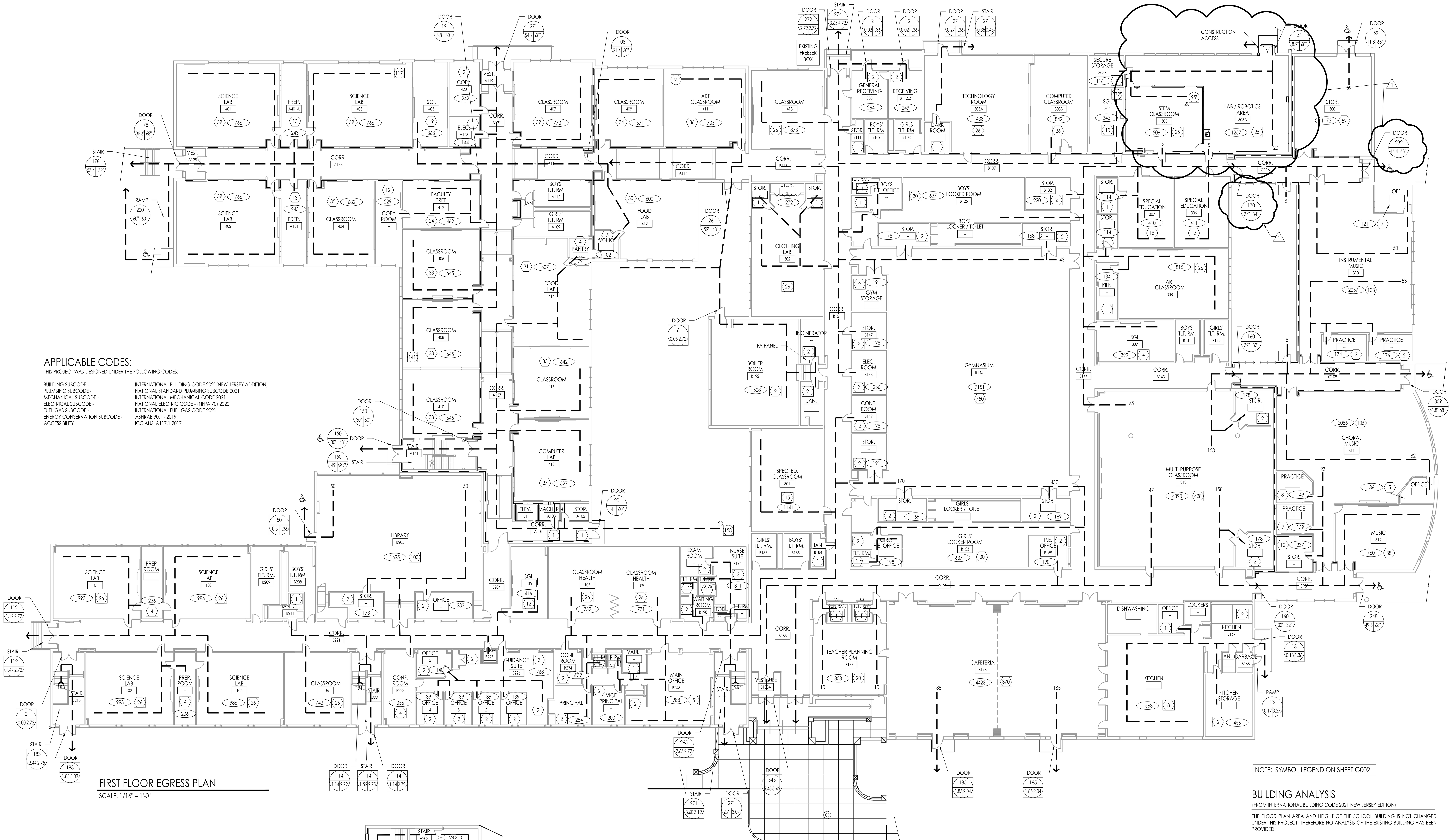
Scale
AS NOTED

Drawing Name
GENERAL NOTES, DRAWING INDEX, AND ABBREVIATION LIST

Revisions

No.	Date	Description
1	10.20.23	ADDENDUM 1

Drawing Number
G002



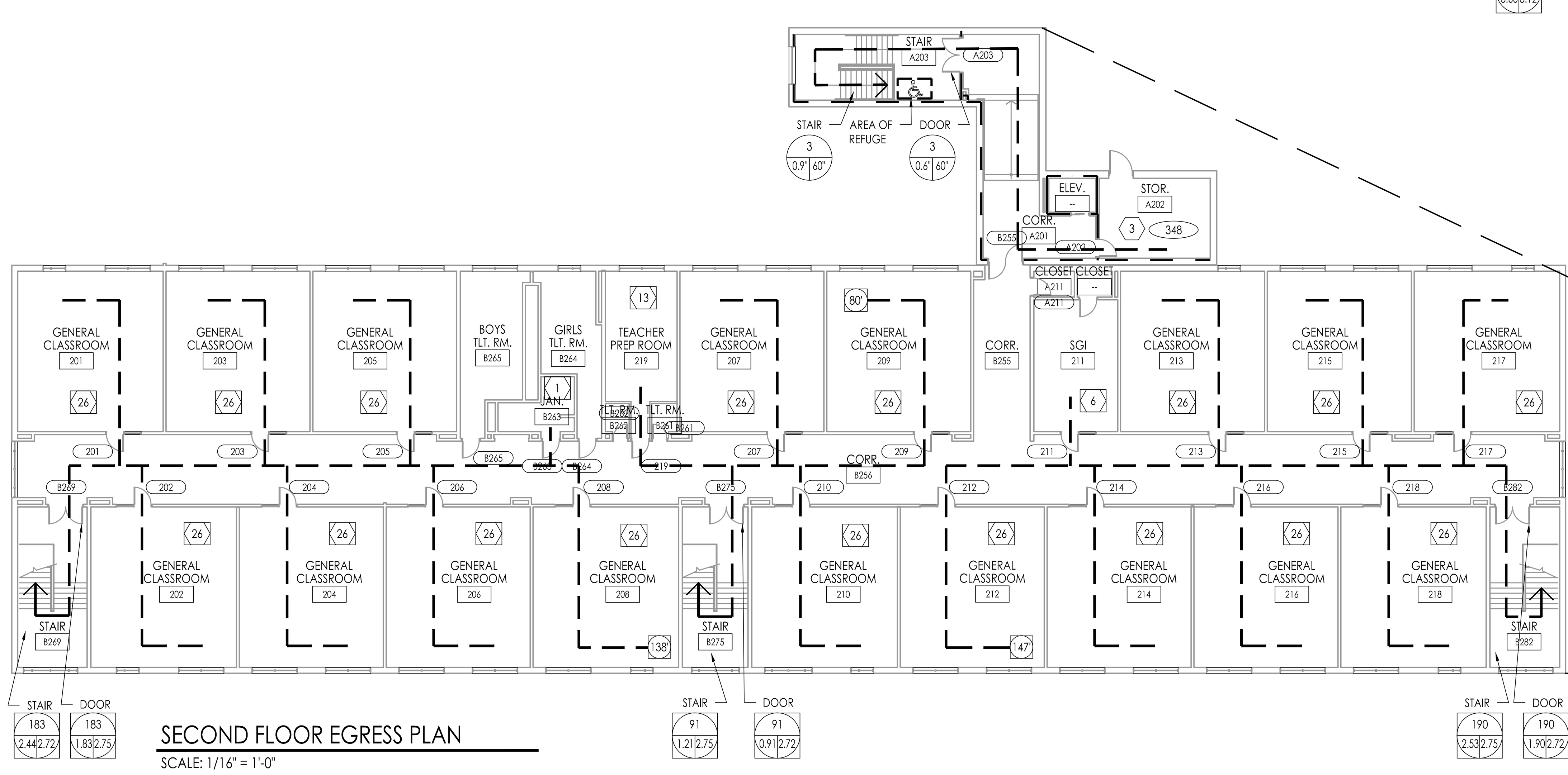
FIRST FLOOR EGRESS PLAN

SCALE: 1/16" = 1'-0"

APPLICABLE CODES:

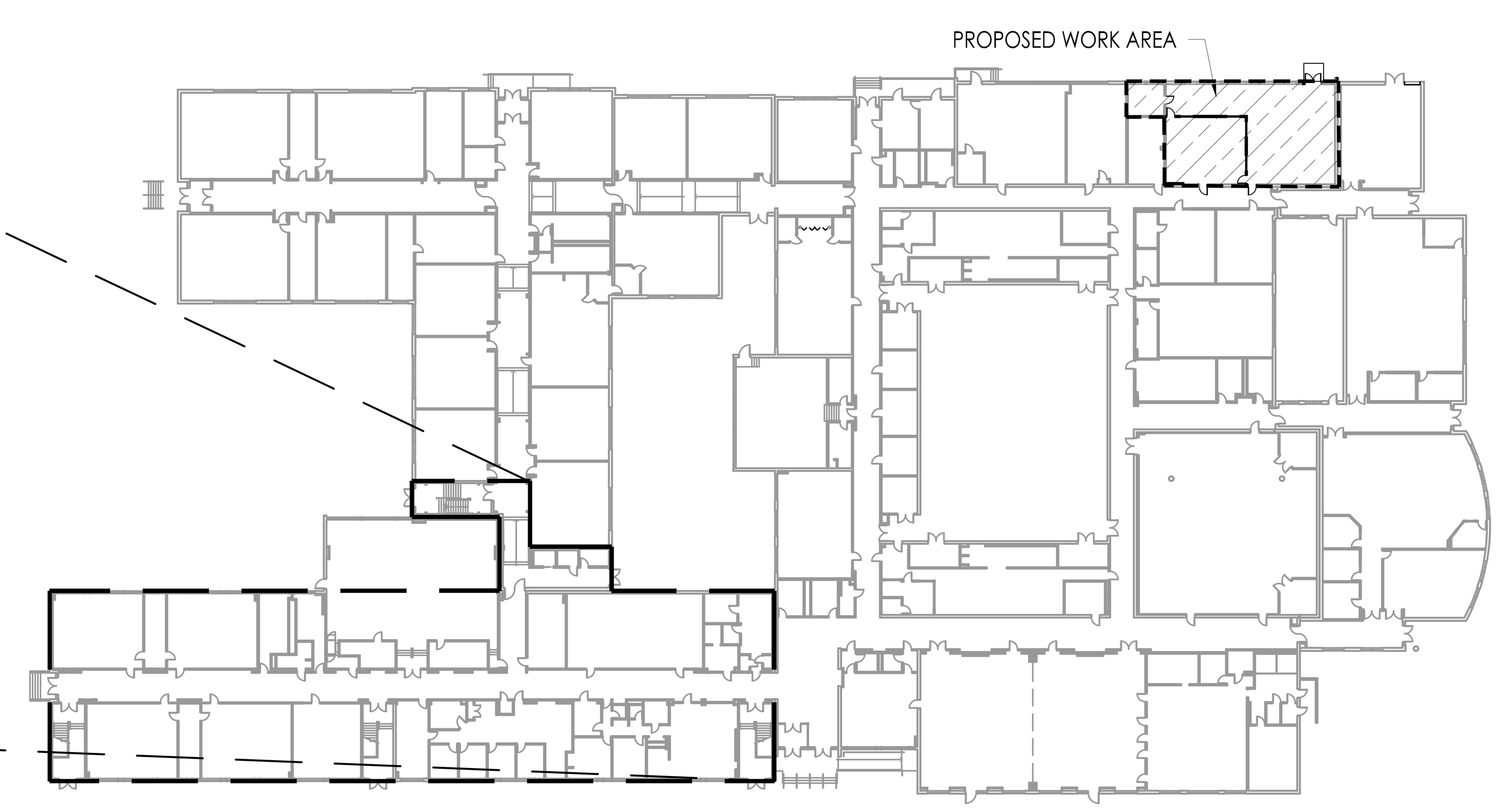
THIS PROJECT WAS DESIGNED UNDER THE FOLLOWING CODES:

BUILDING SUBCODE -	INTERNATIONAL BUILDING CODE 2021(NEW JERSEY ADDITION)
PLUMBING SUBCODE -	NATIONAL STANDARD PLUMBING SUBCODE 2021
MECHANICAL SUBCODE -	INTERNATIONAL MECHANICAL CODE 2021
ELECTRICAL SUBCODE -	NATIONAL ELECTRIC CODE - (NFPA 70) 2020
FUEL GAS SUBCODE -	INTERNATIONAL FUEL GAS CODE 2021
ENERGY CONSERVATION SUBCODE -	ASHRAE 90.1 - 2019
ACCESSIBILITY	ICC ANSI A117.1 2017



SECOND FLOOR EGRESS PLAN

SCALE: 1/16" = 1'-0"



BUILDING KEY PLAN

NOT TO SCALE

NOTE: SYMBOL LEGEND ON SHEET G002

BUILDING ANALYSIS

(FROM INTERNATIONAL BUILDING CODE 2021 NEW JERSEY EDITION)

THE FLOOR PLAN AREA AND HEIGHT OF THE SCHOOL BUILDING IS NOT CHANGED UNDER THIS PROJECT, THEREFORE NO ANALYSIS OF THE EXISTING BUILDING HAS BEEN PROVIDED.

EGRESS ANALYSIS

(FROM NEW JERSEY REHABILITATION SUBCODE 5:23-6)

THE OCCUPANT LOAD OF THE SCHOOL IS NOT CHANGED UNDER THIS PROJECT, THEREFORE NO ANALYSIS OF EGRESS HAS BEEN PROVIDED.

FIRE EXTINGUISHER SCHEDULE

(FROM NATIONAL FIRE PROTECTION ASSOCIATION CODES)

THE FLOOR PLAN AREA OF THE SCHOOL IS NOT CHANGED UNDER THIS PROJECT, THEREFORE NO ANALYSIS OF FIRE EXTINGUISHERS HAS BEEN PROVIDED.

TABULATION OF PLUMBING FIXTURES

(FROM 2018 NATIONAL STANDARD PLUMBING CODE)

THE FUNCTIONAL CAPACITY OF THE SCHOOL IS NOT CHANGED UNDER THIS PROJECT. NO PLUMBING FIXTURES ARE ADDED OR REMOVED. THEREFORE NO ANALYSIS OF PLUMBING FIXTURES HAS BEEN PROVIDED.

EXISTING FIRE ALARM SYSTEM NOTE

IF ANY PORTION OF THE EXISTING FIRE ALARM SYSTEM MUST BE TAKEN OUT OF SERVICE FOR ANY LENGTH OF TIME, THE LOCAL FIRE MARSHAL MUST BE CONTACTED AND MUST APPROVE SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED.

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE LOCAL FIRE MARSHAL CONCERNING THE EXISTING FIRE ALARM SYSTEM SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED FOR SYSTEM INTERRUPTIONS DURING CONSTRUCTION.

NOTE THAT TEMPORARILY COVERING EXISTING DETECTION DEVICES TO PREVENT ACCIDENTAL ALARM ACTIVATIONS DUE TO DUST AND DIRT CONSTITUTES A PARTIAL SHUTDOWN OF THE EXISTING FIRE ALARM SYSTEM.

ALTERATION & RENOVATION

LEGEND

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200

JASON J. DUBOWITCH, AIA
NJ - 21AI01979800 | PA - RA406009

Architect Date 10/11/23

FVHD architects planners
Fraytak Veisz Hopkins Duthie P C
EST 1918

Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08618
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name	STEM Lab Alterations & Renovations at Clearview Regional Middle School
Project Owner Name	Clearview Regional High School District
Project Location	595 Jefferson Rd, Mullica Hill, NJ 08062
Project Number	5162C
Project Date	10/11/2023
Checked By	GRD
Drawn By	JMK/SB
Scale	AS NOTED
Drawing Name	EGRESS PLAN

Revisions

No.	Date	Description
1	10.20.23	ADDENDUM 1

Drawing Number

A101

GENERAL NOTES ON DEMOLITION:

THESE NOTES SHALL APPLY TO ALL DEMOLITION WORK THROUGHOUT THE PROJECT.

A. ALL CONTRACTORS ARE ADVISED TO VISIT THE SITE AND VERIFY ALL AREAS AND CONDITIONS PRIOR TO SUBMITTING THEIR BIDS. THE CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS IN WRITING AT LEAST SEVEN DAYS PRIOR TO THE RECEIPT OF BIDS. FAILURE TO SO NOTIFY THE ARCHITECT INDICATES THAT ANY ADDITIONAL COSTS ASSOCIATED WITH THE DISCREPANCIES AND / OR OMISSIONS ARE INCLUDED IN THE CONTRACTOR'S BID AND THAT NO CHANGE TO THE CONTRACT AMOUNT WILL BE MADE AFTER THE RECEIPT OF BIDS OR THE AWARD OF CONTRACTS.

B. ALL PLUMBING, MECHANICAL OR ELECTRICAL DISCONNECTS SHALL BE MADE BY THE RESPECTIVE TRADES. ALL EQUIPMENT, DEVICES, FIXTURES, ETC. SHALL BE REMOVED FROM THE SITE BY THE RESPECTIVE CONTRACTOR. NOTE: THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DIMINISHED NOR SHALL EXISTING FIRE ALARM DEVICES BE REMOVED UNTIL NEW DEVICES ARE READY FOR SWITCHOVER.

C. UNLESS NOTED OTHERWISE ALL DEMOLITION MATERIAL SHALL BE REMOVED OFF SITE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

D. THERE ARE SOME SPECIFIC ITEMS DESIGNATED BY THE ARCHITECT FOR SALVAGE. THESE ITEMS ARE INTENDED FOR REUSE IN THE NEW CONSTRUCTION. THE CONTRACTOR MUST TAKE CARE IN THE REMOVAL AND STORAGE OF THESE ITEMS UNTIL THEY ARE NEEDED IN THE NEW CONSTRUCTION.

E. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT PORTIONS OF THE EXISTING CONSTRUCTION WHICH ARE ADJACENT TO AREAS TO BE DEMOLISHED. MAKE ALL CUTS AS NEATLY AS POSSIBLE. REFER TO FLOOR PLAN DRAWINGS FOR FINISHING OF THESE AREAS.

F. IF NOT OTHERWISE NOTED OR DETAILED, ALL SURFACES LEFT ROUGH OR UNFINISHED BY DEMOLITION AND WHICH ARE EXPOSED TO VIEW, SHALL BE PATCHED TO MATCH ADJACENT SURFACES AND FINISHED TO PROVIDE A UNIFORM APPEARANCE WITH REGARD TO SIZE, SHAPE, COLOR, TEXTURE AND MATERIAL.

G. THE CONTRACTOR SHALL PROVIDE A PHYSICAL BARRIER TO CONTAIN DUST AND DIRT AROUND THE DEMOLITION AREA AND SHALL MAKE EVERY EFFORT TO KEEP THE DEMOLITION SITE AND SURROUNDING AREAS AS CLEAN AS POSSIBLE. ALL TEMPORARY PARTITIONS SHALL BE 1 HOUR RATED CONSTRUCTION AND INCLUDE A DOOR.

H. NO DEMOLITION SHALL BEGIN UNTIL PROPER PROTECTION IS IN PLACE AND APPROVED BY ARCHITECT & OWNER TO ENSURE THE SAFETY OF THE PUBLIC, THE BUILDING OCCUPANTS, CONSTRUCTION WORKERS AND TO CONTAIN DUST AND DIRT WITHIN THE AREA OF DEMOLITION.

I. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REGARDING THE REMOVAL AND DISPOSAL OF ALL MATERIALS & EQUIPMENT.

J. THE CONTRACTOR SHALL PROVIDE PROTECTION AGAINST INCLEMENT WEATHER FOR THE EXISTING BUILDING DURING THE INTERIM PERIOD BETWEEN DEMOLITION AND THE COMPLETION OF NEW CONSTRUCTION.

K. THE CONTRACTORS SHALL TAKE INTO ACCOUNT THEIR METHODS OF CONSTRUCTION FOR THE NEW WORK AND INCLUDE IN THEIR BID THE COST OF ADDITIONAL DEMOLITION WORK NECESSARY TO FACILITATE THE CONSTRUCTION. THIS WORK INCLUDES, BUT IS NOT LIMITED TO THE AREA AROUND JOINTS BETWEEN NEW AND EXISTING CONSTRUCTION IN WALLS, FLOORS AND CEILINGS, AREAS OF SIDEWALK AND PAVING, ETC. MUCH OF THIS WORK IS INDICATED IN SECTIONS AND DETAILS RELATING TO THE NEW CONSTRUCTION.

L. THE DEMOLITION WORK SHOWN ON THIS PLAN IS INTENDED TO BE A GENERAL OVERVIEW OF MAJOR DEMOLITION WORK REQUIRED. IT IS NOT A COMPLETE AND EXCLUSIVE REPRESENTATION OF ALL DEMOLITION WORK NEEDED FOR EXECUTION OF THE PROJECT. WHEN PREPARING THEIR BIDS, CONTRACTORS MUST REFER TO THE FULL SET OF CONSTRUCTION DOCUMENTS FOR VARIOUS MISCELLANEOUS ITEMS WHICH MUST BE REMOVED AND/OR RELOCATED AS PART OF THE WORK.

M. CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN CUTTING AND PATCHING - SEE SPECIFICATION.

N. THE OWNER HAS THE RIGHT OF FIRST REFUSAL FOR ALL EQUIPMENT AND FIXTURES (CABINETS, SHELVING, ETC.) REMOVED UNDER CONTRACT. IF THE OWNER DOES NOT EXERCISE THIS RIGHT FOR AN INDIVIDUAL PIECE OF EQUIPMENT, THE GENERAL CONTRACTOR SHALL REMOVE SAID EQUIPMENT FROM SITE.

O. GENERAL CONTRACTOR TO RE-CAULK SEALANT AT ALL SOFT GAPS AT EXISTING COLUMNS AND MASONRY WALLS.

DEMOLITION / RENOVATION NOTES:

SEE GENERAL NOTES ON DEMOLITION ON THIS DRAWING. SYMBOL REFERENCE ON DEMOLITION PLAN - (X)

GENERAL NOTE: THE OWNER HAS THE RIGHT OF FIRST REFUSAL FOR ALL EQUIPMENT AND FIXTURES (CABINETS, SHELVING, PLUMBING FIXTURES, ETC.) REMOVED UNDER CONTRACT. IF THE OWNER DOES NOT EXERCISE THIS RIGHT FOR AN INDIVIDUAL PIECE OF EQUIPMENT, THE CONTRACTOR SHALL REMOVE SAID EQUIPMENT FROM THE SITE.

EXTERIOR SITE / BUILDING

1. REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY. BRACE AND SHORE UP EXISTING CONSTRUCTION TO REMAIN ABOVE OPENING. SAWCUT AND REMOVE EXISTING WALL CONSTRUCTION TO WIDTH AND HEIGHT AS INDICATED ON DEMOLITION PLAN AND TO FIRST MASONRY COURSE ABOVE 8'-0" ABOVE FLOOR. INFILL OPENING WITH NEW ALUMINUM FRAME AND DOOR AND WALL CONSTRUCTION TO MATCH EXISTING AND LINTEL OF THICKNESS TO MATCH EXISTING ADJACENT WALL. SEE FLOOR PLAN AND WALL SECTION. TOOTH-IN NEW BRICK AND CMU INTO EXISTING WALL PATTERN. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE BUILDING SECURITY AND WEATHERTIGHTNESS. FINISH ALL NEWLY EXPOSED SURFACES AND PATCH AND REPAIR ALL DAMAGE CAUSED BY RENOVATION TO MATCH EXISTING ADJACENT FINISH, INCLUDING TILE, PLASTER, ETC. SEE DOOR SCHEDULE AND DETAILS FOR ADDITIONAL INFORMATION.
2. DEMOLISH EXISTING CONCRETE PAD, AND STEP IN ITS ENTIRETY. INSTALL NEW CONCRETE PAD AS SHOWN IN DETAIL 1/A301, MAINTAIN EXISTING FOOTING OF ADJACENT CURB AND BUILDING. PATCH AND REPAIR ALL DAMAGE CAUSED BY DEMOLITION TO MATCH EXISTING ADJACENT FINISH.
3. NOT USED

WALLS

4. REMOVE EXISTING DOOR AND ASSOCIATED HARDWARE. PATCH, FILL, CLEAN, PRIME, AND PAINT EXISTING FRAME ON BOTH SIDES. ANY ADJACENT WALL SURFACE DAMAGED DURING DEMOLITION IS TO BE RESTORED TO A UNIFORM, FLUSH, CONTINUOUS SURFACE TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE. INSTALL NEW DOOR AND HARDWARE. SEE DOOR AND FRAME SCHEDULE.
5. BRACE AND SHORE UP EXISTING CONSTRUCTION TO REMAIN ABOVE OPENING. SAWCUT AND REMOVE EXISTING WALL CONSTRUCTION TO WIDTH INDICATED ON DEMOLITION PLAN AND TO FIRST MASONRY COURSE 8" ABOVE NEW DOOR HEAD HEIGHT. INFILL OPENING WITH NEW DOOR AND FRAME CONSTRUCTION AND LINTEL OF THICKNESS TO MATCH EXISTING ADJACENT WALL. NEW CMU SHALL BE TOOTHED INTO EXISTING ADJACENT CMU. CONSTRUCT WITH 1 HOUR RATED CONSTRUCTION (UL DES U905 OR U906) AT ALL CORRIDOR WALLS. SEE FLOOR PLAN AND DOOR SCHEDULE. FINISH ALL NEWLY EXPOSED SURFACES AND PATCH AND REPAIR ALL DAMAGE CAUSED BY RENOVATION TO MATCH EXISTING ADJACENT FINISH, INCLUDING BRICK, TILE, BASE, ETC. UNLESS SHOWN OTHERWISE ON PLANS.
6. REMOVE METAL PANELS FROM FACE OF CMU WALL IN THEIR ENTIRETY. INFILL OPENING IN EXISTING WALL THAT IS NEWLY EXPOSED WITH MATCHING MATERIAL. PATCH ALL ADJACENT SURFACE DAMAGES CAUSED BY DEMOLITION TO MATCH NEW ADJACENT WALL SURFACES.
7. FILL ALL HOLES IN THE EXISTING WALLS INCLUDING BUT NOT LIMITED TO THOSE THAT WILL BE EXPOSED AT COMPLETION. BEFORE PREPPING THE SURFACE FOR NEW FINISH.
8. REMOVE EXISTING SIGNAGE TAG. PATCH AND REPAIR ANY DAMAGE CAUSED BY REMOVAL. PREPARE SURFACE TO RECEIVE REPLACEMENT OR NEW FINISH TO MATCH SURROUNDING.
9. REMOVE RESIDUAL ADHESIVE FROM WALLS AND PATCH TO MATCH SURROUNDING SURFACE PRIOR TO APPLYING NEW FINISH. SEE ROOM FINISH SCHEDULE.
10. INFILL RATED WALL, INCLUDING BUT NOT LIMITED TO WHERE A HOLE, OPENING, FORMER THRU-WALL CONDUIT ETC. OCCURS WITH MATERIALS TO MAINTAIN WALL RATING. PATCH AND PREPARE SURFACE FOR NEW FINISH. SEE ROOM FINISH SCHEDULE.

FLOOR

11. PREPARE EXISTING PAINTED CONCRETE FLOOR AS REQUIRED BY NEW FLOORING MANUFACTURER. REFER TO ROOM FINISH SCHEDULE FOR NEW FLOORING TYPES.
12. FLOOR MOUNTED ELECTRICAL "DOGHOUSES" AND FLUSH FLOOR BOXES TO BE REMOVED IN THEIR ENTIRETY. INFILL OPENINGS IN FLOOR WITH CONCRETE FLUSH WITH ADJACENT SURFACES. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
13. NOT USED

EQUIPMENT

14. EXISTING METAL SHELVING UNITS TO BE REMOVED BY OWNER PRIOR TO START OF CONSTRUCTION. REMOVE ALL WALL MOUNTED DEVICES INCLUDING BUT NOT LIMITED TO GOGGLE CABINET, SOAP AND TOWEL DISPENSERS, TACKSTRIPS, ETC. SEE GENERAL NOTE. PATCH, PLUG AND FILL ALL OPENINGS IN AREA OF WORK INCLUDING ADJACENT SURFACE TO RESTORE TO A UNIFORM, FLUSH, CONTINUOUS SURFACE TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE.
15. REMOVE EXISTING WALL MOUNTED PROJECTOR AND SPEAKERS IN THEIR ENTIRETY. PATCH ALL DAMAGED CAUSED BY DEMOLITION TO MATCH ADJACENT SURFACES. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
16. REMOVE AND STORE EXISTING INTERACTIVE DRY MARKER BOARDS AND ALL APPURTENANCES. RELOCATE PER OWNER'S DISCRETION. PATCH AND REPAIR ANY HOLES LEFT BEHIND FROM INSTALLATION. PREP FOR NEW FINISH. SEE ROOM FINISH SCHEDULE.
17. REMOVE "BRAKE-PAC" EQUIPMENT FROM WALL AND HAND OVER TO OWNER. PATCH, REPAIR ANY HOLES LEFT BEHIND FROM INSTALLATION. PREP FOR NEW FINISH. SEE ROOM FINISH SCHEDULE.
18. REMOVE EXISTING CHALKBOARDS, EXHIBITION BOARDS AND MIRRORS IN THEIR ENTIRETY. IF WALL IS TO REMAIN, PATCH SUBSTRATE UP TO A MAXIMUM DEPTH OF 4" BEHIND REMOVED ITEMS TO PROVIDE A UNIFORM, FLUSH, CONTINUOUS SURFACE TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE. WHERE EXISTING BOARDS ARE RECESSED IN WALL FACE, INSTALL NEW SUPPORT BLOCKING TO SUPPORT NEW BOARDS INSTALLED OVER RECESS. PATCH AND REPAIR ALL DAMAGE CAUSED BY RENOVATION. MATCH TO EXISTING ADJACENT FINISH.
19. REMOVE ALL EXISTING FIRE EXTINGUISHERS AND BRACKETS AND HAND OVER TO OWNER.
20. REMOVE BELL, SPEAKER HORN AND ANALOG CLOCK FROM WALL. PATCH AND FILL OPENINGS FROM REMOVAL. PREP SURFACES TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE. HAND OVER ALL REMOVED EQUIPMENT TO OWNER. SEE RESPECTIVE MEP'S DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
21. NOT USED

ELECTRICAL

22. RE-ESTABLISH NEW LOCATION OF FIRE-ALARM PULL STATION ACCORDING TO MEP'S NEW WORK PLAN ON RESPECTIVE DRAWINGS, AND RELOCATE EXISTING FIRE STROBES AT A HIGHER ELEVATION ON WALL OR IN DIFFERENT LOCATION ACCORDING TO MEP'S RESPECTIVE DRAWINGS. SEE "EXISTING FIRE ALARM SYSTEM NOTE".

MISCELLANEOUS

23. SEE MEP DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.

(1)

EXISTING FIRE ALARM SYSTEM NOTE

IF ANY PORTION OF THE EXISTING FIRE ALARM SYSTEM MUST BE TAKEN OUT OF SERVICE FOR ANY LENGTH OF TIME, THE LOCAL FIRE MARSHAL MUST BE CONTACTED AND MUST APPROVE SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED.

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE LOCAL FIRE MARSHAL CONCERNING THE EXISTING FIRE ALARM SYSTEM SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED FOR SYSTEM INTERRUPTIONS DURING CONSTRUCTION.

NOTE THAT TEMPORARILY COVERING EXISTING DETECTION DEVICES TO PREVENT ACCIDENTAL ALARM ACTIVATIONS DUE TO DUST AND DIRT CONSTITUTES A PARTIAL SHUTDOWN OF THE EXISTING FIRE ALARM SYSTEM.

GENERAL CONSTRUCTION NOTES:

THESE NOTES SHALL APPLY TO ALL WORK THROUGHOUT THE PROJECT.

A. ALL CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE SUBMITTING A BID. DISCREPANCIES OR OMISSIONS MUST BE REPORTED TO THE ARCHITECT IN WRITING (15) DAYS PRIOR TO BID OPENING. IF HE OR SHE DOES NOT, CONTRACTOR SHALL CORRECT SAME AT NO CHANGE IN CONTRACT PRICE.

B. CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL REQUIRED SAFETY PROTECTION DURING CONSTRUCTION.

C. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A SUFFICIENT WORK FORCE TO MEET COMPLETION DATES AS OUTLINED IN THE SPECIFICATIONS. NO EXCEPTIONS WILL BE ALLOWED.

D. CONTRACTOR SHALL PROVIDE ALL REQUIRED SAFETY PROTECTION DURING CONSTRUCTION.

E. DO NOT SCALE THE DRAWINGS.

F. DETAILS NOTED "TYPICAL" IMPLY ALL SUCH CONDITIONS BE TREATED SIMILARLY.

G. ALL WORK PERTAINING TO THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND IN AGREEMENT WITH ALL AGENCIES HAVING JURISDICTION.

H. THE CONTRACTOR IS RESPONSIBLE TO SECURE ALL PERMITS, TO OBTAIN APPROVALS AS REQUIRED AND COORDINATE INSPECTION WITH LOCAL BUILDING INSPECTOR. ALL PERMIT AND APPLICATION FEES WILL BE PAID BY THE OWNER AND DELIVERED BY THE CONTRACTOR.

I. DRAWINGS AND SPECIFICATIONS COMPLEMENT EACH OTHER. WORK NOT SHOWN ON DRAWING BUT CALLED FOR IN THE SPECIFICATIONS IS STILL REQUIRED, AND ALL WORK NOT CALLED FOR IN SPECIFICATIONS, BUT CALLED OUT OR SHOWN IN DRAWINGS IS STILL REQUIRED.

J. UNLESS OTHERWISE NOTED AND UNLESS FACTORY FINISHED, ALL EXPOSED SURFACES OF CMU, CONCRETE, PLASTER, WOOD, GYPSUM BOARD, HOLLOW METAL, HARDWOODS, MISCELLANEOUS METALS ETC., ARE TO RECEIVE PRIME AND FINISH COATS OF PAINT OR CLEAR FINISH AS SPECIFIED AND IN COLORS AS SELECTED BY ARCHITECT. EXCLUDED FROM THIS IS BRICK.

K. MATERIALS LISTED ON THE ROOM FINISH SCHEDULE REFER TO THE MAJORITY OF WALLS, FLOOR AND CEILING OF ROOMS SCHEDULED. REFER TO PLANS, DETAILS, INTERIOR ELEVATIONS, CEILING PLANS AND NOTES FOR MATERIALS NOT INDICATED ON THE SCHEDULE BUT ARE STILL REQUIRED IN THE ROOM.

L. THE OWNER WILL REMOVE AND RE-INSTALL ALL MOVEABLE EQUIPMENT. EACH CONTRACTOR IS RESPONSIBLE TO REMOVE, STORE AND RE-INSTALL EXISTING BUILT-IN EQUIPMENT REQUIRED TO PERFORM THEIR WORK UNLESS NOTED OTHERWISE.

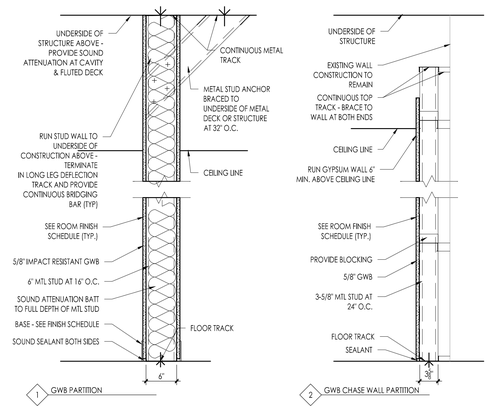
M. CALL BEFORE YOU DIG, BEFORE DIGGING CONTRACTOR SHALL CALL 1-800-242-1776 TO HAVE UTILITIES IDENTIFY UNDERGROUND LOCATION OF ALL SERVICE LINES.

N. ALL OUTSIDE CORNERS OF INTERIOR CONCRETE MASONRY UNITS (CMU) ARE TO BE BULLNOSED UNLESS NOTED OTHERWISE.

O. ALL BLOCKING FOR THE PROJECT SHALL BE FIRE RETARDANT TREATED WOOD BLOCKING, UNLESS OTHERWISE NOTED.

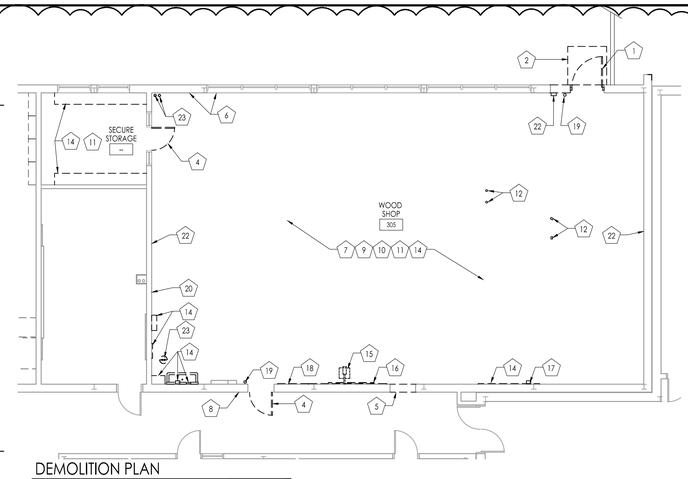
PLAN NOTES:

1. ALL WALLS SHALL EXTEND TO UNDERSIDE OF STEEL DECK UNLESS NOTED OTHER WISE.
2. NEW FIRE EXTINGUISHER ON BRACKET (FE-1), SEE ROOM LAYOUT - SHEET A401 FOR LOCATION.
3. ALL CORRIDOR WALLS ARE 1HR RATED, AS PER UL DES #U905/U906 U.N.O



WALL PARTITION

SCALE: 1" = 1'-0"



DEMOLITION PLAN

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

REFLECTED CEILING GENERAL NOTES:

1. SEE HVAC, PLUMBING AND ELECTRICAL DRAWINGS FOR TYPES, SIZES AND ADDITIONAL INFORMATION ON CEILING-MOUNTED DEVICES.
2. ALL DIFFUSERS, DEVICES AND LIGHTS ARE SHOWN IN THE ACB CEILING UNLESS NOTED OTHERWISE.
3. GENERAL, HVAC, PLUMBING AND ELECTRICAL CONTRACTORS TO COORDINATE LOCATION OF DIFFUSERS, DEVICES AND LIGHTS.
4. FOR CEILING HEIGHTS SEE REFLECTED CEILING PLAN.

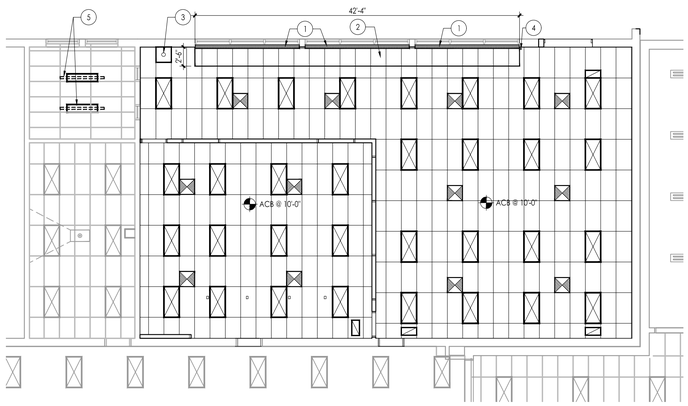
REFLECTED CEILING CONSTRUCTION NOTES:

SYMBOL REFERENCE ON CEILING PLAN - (X)

1. LOCATION OF SHADE POCKETS FOR THE ELECTRICAL ROLLER SHADE. THE GRID TRIM WILL MOLD AROUND THE POCKETS WHERE APPLICABLE. SEE DETAIL A/A601 FOR ADDITIONAL DETAIL FOR PLACEMENT OF SHADE POCKET.
2. SECTION OF CEILING GRID TO SLOPE UP 45° TOWARDS THE EXTERIOR WINDOWS. SEE SECTION DETAIL 3/A301.
3. ROOF METAL DUCT FOR NEW SPRAY BOOTH DISCHARGE TO BE CENTERED IN PANEL. REFER TO ROOF PLAN FOR VENTILATION DETAIL THROUGH EXISTING ROOF DECK AND SEE SPEC. AND MEP DRAWINGS FOR MORE DETAILS.
4. TYPICAL PVC VENT PIPE TO VENT FLAMMABLE STORAGE UNIT. SEE DETAILS ON ROOF PLAN SHEET A103 FOR ROOF PENETRATION.
5. EXISTING FRAMES TO REMAIN FOR SUPPORTING NEW LED PENDANT LIGHT FIXTURES

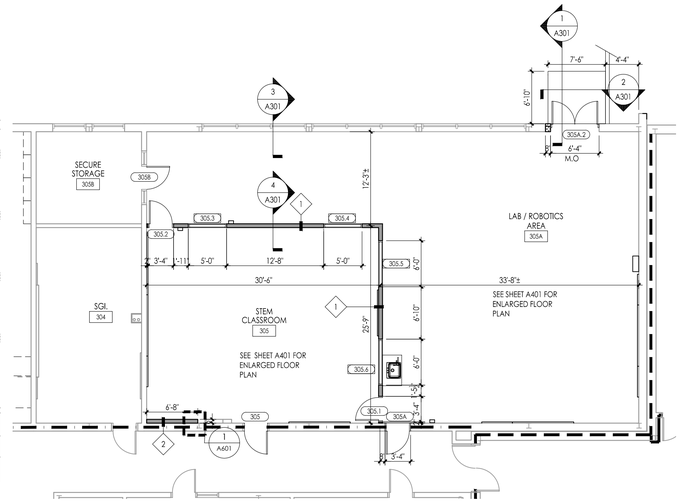
REFLECTED CEILING PLAN LEGEND

- ACB #1 - 2' X 4' ACOUSTICAL CEILING BOARD - SEE FINISH SCHEDULE FOR LOCATION & TYPE
- SUPPLY / RETURN / EXHAUST DIFFUSER (SEE HVAC DRAWINGS)
- LED LIGHT PANEL (SEE ELECTRICAL DRAWINGS)
- LED LIGHT PENDANT (SEE ELECTRICAL DRAWINGS)
- POWER POLE (SEE ELECTRICAL DRAWINGS)



REFLECTED CEILING PLAN

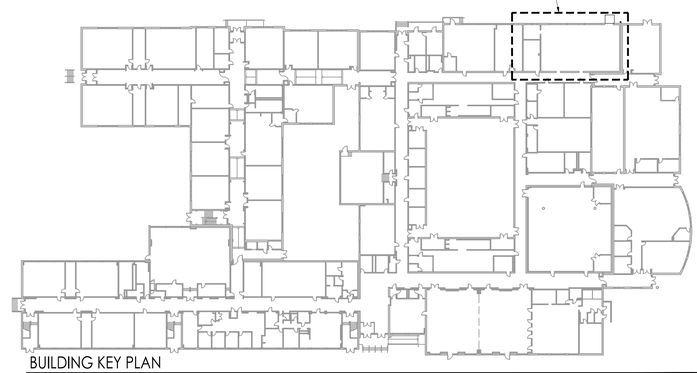
SCALE: 1/8" = 1'-0"



NEW WORK PLAN

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

PROPOSED WORK AREA



BUILDING KEY PLAN

NOT TO SCALE

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08618
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453
FVHDPC.COM
WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01206001 | PA - AA021502
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI02190500
JASON J. DUBOWITCH, AIA
NJ - 21AI07178500 | PA - AA406009

10/11/23
Date

Project Name
STEM Lab Alterations & Renovations at Clearview Regional Middle School

Project Owner Name
Clearview Regional High School District

Project Location
595 Jefferson Rd, Mullica Hill, NJ 08062

Project Number	5162C
Project Date	10/11/2023
Checked By	GRD
Drawn By	JMK/SB
Scale	AS NOTED

Drawing Name
DEMOLITION, FLOOR & REFLECTED CEILING PLANS, WALL PARTITION TYPES AND NOTES

Revisions

No.	Date	Description
1	10.20.23	ADDENDUM 1

Drawing Number
A102

GENERAL ROOFING DEMOLITION NOTES:

A. THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MECHANICAL AND ELECTRICAL DISCONNECTIONS AND RE-CONNECTIONS REQUIRED FOR THE INSTALLATION OF ALL WORK REQUIRED BY THE DOCUMENTS INCLUDING, REMOVAL, PROTECTION AND REINSTALLATION OF ALL EXISTING ROOF MOUNTED EQUIPMENT, IF REQUIRED FOR REINSTALLATION. EXTEND OR REVISE EXISTING ELECTRICAL CIRCUITS, DUCTWORK, ETC. THE ROOFING CONTRACTOR IS RESPONSIBLE TO NOTIFY AND COORDINATE WITH THE OWNER TO DE-ENERGISE ALL ELECTRICAL EQUIPMENT PRIOR TO DISCONNECTION AND REMOVAL OF ALL ELECTRICAL AND MECHANICAL EQUIPMENT. ALL EXISTING CONDUIT AND GAS LINES SHALL BE RAISED TO FACILITATE NEW ROOFING INSTALLATION AND TO ACHIEVE AN 8" MINIMUM HEIGHT FROM FINISHED ROOF SURFACE. [PERFORM ALL WORK IN ACCORDANCE WITH N.F.P.A. 70 AND PROVIDE AND INSTALL DUCTWORK IN ACCORDANCE WITH S.M.A.C.N.A. GUIDELINES.] RE-CHARGE ALL AC UNITS THAT WERE RAISED AND HAD THEIR PIPING MODIFIED AND ALSO PROVIDE NEW PIPE INSULATION.

B. THE ROOFING CONTRACTOR SHALL VERIFY THE EXACT LOCATION, DIMENSION, CONDITION AND QUANTITY OF ALL ROOFTOP EQUIPMENT AND APPURTENANCES WHICH INCLUDES, BUT ARE NOT LIMITED TO: EXHAUST FANS, VENT PIPES, DRAINS, HATCHES, FLUE PIPES, HOT STACKS, HVAC EQUIPMENT, CURBS, BASE FLASHING AND OTHER PENETRATIONS AND WORK ASSOCIATED WITH THIS ROOF PROJECT. [INCORPORATE SAME IN THE ROOF INSULATION SHOP DRAWING SUBMITTAL.]

C. THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM DEMOLITION CAREFULLY CAUSING NO DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGES MUST BE REPAIRED AND OR REPLACED BY THE ROOFING CONTRACTOR TO THE OWNER'S AND ARCHITECTS SATISFACTION AND AT NO ADDITIONAL COST TO THE CONTRACT PRICE. PRIOR TO THE COMMENCEMENT OF WORK, THE ROOFING CONTRACTOR IS RESPONSIBLE TO INSPECT AND PHOTOGRAPH EXISTING CONDITIONS WHICH COULD BE MISCONSTRUED AS DAMAGE RESULTING FROM DEMOLITION AND INSTALLATION WORK.

D. FOR PURPOSES OF THIS PROJECT, REMOVE SHALL MEAN REMOVE AND DISPOSE OF SAME OFF SITE IN AN APPROVED AND LEGAL MANNER.

E. THE ROOFING CONTRACTOR SHALL COORDINATE ALL DUMPSTER STAGING AND TRUCK ROUTES WITH THE OWNER. THE ROOFING CONTRACTOR SHALL PROTECT ALL EXISTING PAVED AND PLANTED AREAS. THE ROOFING CONTRACTOR SHALL REPAIR ANY PAVED OR PLANTED AREAS TO THE SATISFACTION OF THE OWNER. THE REPAIRS ARE TO INCLUDE, BUT ARE NOT LIMITED TO, REPAVING OF ASPHALT DRIVEWAYS AND PARKING LOTS, REGRADING AND SEEDING OF LAWN AND REPLACING DAMAGED PLANTS, SHRUBS, ETC. ALL REPAIRS AND RESTORATIONS SHALL BE DONE AT NO ADDITIONAL COST TO THE CONTRACT PRICE.

F. IF THE BUILDING IS OCCUPIED, THE ROOFING CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION AND FOR THE SAFETY OF ALL PERSONS AT THE PROJECT SITE.

G. IF THE PRESENCE OF ASBESTOS IS SUSPECTED, THE CONTRACTOR IS TO NOTIFY THE OWNER AND ARCHITECT IMMEDIATELY. IF THE PRESENCE OF ASBESTOS IS CONFIRMED, THE CONTRACTOR IS RESPONSIBLE FOR MEANS REQUIRED TO PREVENT ANY HAZARDOUS MATERIAL FROM ENTERING INTO THE BUILDING. CONTRACTOR IS TO REMOVE AND DISPOSE OF SAID ASBESTOS IN FULL COMPLIANCE WITH THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION RELATING TO THE TREATMENT, REMOVAL AND DISPOSAL OF ASBESTOS.

GENERAL CONSTRUCTION NOTES

A. PROVIDE ROOFING MATERIALS THAT COMPLY WITH THE EXISTING SYSTEM, SEE ROOF WARRANTY # 132303 BY TREMCO FOR SYSTEM TYPE.

B. NEW IMPOSED DEAD LOAD IS EQUAL TO OR LESS THAN EXISTING DEAD LOAD.

C. INSTALL WATER DIVERTING CRICKETS ON HIGH SIDE OF ROOF AT ROOFTOP UNITS, CURBS AND SKYLIGHTS AS SHOWN ON PLAN.

D. FRT WOOD BLOCKING SHOWN ON DRAWINGS IS DIAGRAMMATIC. PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING CONSTRUCTION IN THICKNESS AND HEIGHT TO MATCH THICKNESS OF INSULATION AND/OR TAPERED INSTALLATION AS RECOMMENDED BY ROOFING MANUFACTURER AND TO MAINTAIN A CONSTANT ROOF EDGE ELEVATION IN A HORIZONTAL PLANE UNLESS NOTED OTHERWISE. AT ROOF EDGES PROVIDE AN ADDITIONAL FRT 2 X 6 ABOVE INSULATION AND/OR TAPERED INSTALLATION.

E. ALL WORK PERTAINING TO THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND WITH ALL AGENCIES HAVING JURISDICTION.

F. ALL CONDITIONS MEETING THE ROOF SURFACE PERPENDICULAR MUST BE MODIFIED TO CREATE A MINIMUM 8" FLASHING HEIGHT. CURBS AND WALL COUNTER FLASHINGS MUST BE RAISED.

G. DO NOT SCALE THE DRAWINGS.

H. ALL LOW SLOPED ROOF AREAS ARE ¼" PER FOOT IN THE FIELD AND ½" PER FOOT AT THE CRICKETS. SLOPE OF CRICKET IS PERPENDICULAR TO CRICKET +2 VALLEY LINE.

I. THE ROOFING CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL GOOD ROOFING PRACTICES INCLUDING THOSE SET FORTH BY THE ROOFING MATERIALS' MANUFACTURER, THE SMACNA SHEET METAL MANUAL, FACTORY MUTUAL, UNDERWRITERS LABORATORIES, AND THE NRCA'S ROOFING AND WATERPROOFING MANUAL.

J. THE ROOFING CONTRACTOR IS RESPONSIBLE FOR FLASHING ALL ROOF TOP PENETRATIONS, UNITS, AND CURBS ON THE ROOFS TO A WATERTIGHT CONDITION TO BE INCLUDED IN THE MANUFACTURER'S WARRANTY. REVIEW ALL DRAWINGS INCLUDED IN THIS SET FOR ROOFTOP PENETRATIONS.

K. ALL CRICKETS/ GUSSETS/ SADDLES SHALL HAVE A 3:5 RATIO. WHERE THIS CONDITION CANNOT BE ACHIEVED DUE TO VALLEY LINE OF CRICKET INTERSECTING MECHANICAL EQUIPMENT, PENETRATION AND A HIGH POINT GREATER THAN THE THRU-WALL COUNTER FLASHING, PROVIDE MAXIMUM CRICKET WIDTH TO PROMOTE POSITIVE DRAINAGE TO ALL ROOF DRAINS AND SCUPPERS.

L. UNLESS NOTED OTHERWISE ALL ROOFING, ACCESSORIES, MATERIALS, ETC. SHALL BE CONSIDERED NEW.

M. HIGH POINTS INDICATED ON DRAWINGS ARE SHOWN FOR GUIDANCE ONLY. THE ROOFING CONTRACTOR IS RESPONSIBLE FOR FINAL TAPERED INSULATION DESIGN. ANY REQUIRED ADJUSTMENTS MADE BY THE ROOFING CONTRACTOR TO THE INDICATED DESIGN GUIDELINES ARE AT NO ADDITIONAL COST TO THE OWNER.

N. ROOFING CONTRACTOR SHALL RETAIN A LICENSED ELECTRICAL SUBCONTRACTOR FOR ALL ELECTRICAL WORK.

O. ROOFING CONTRACTOR SHALL RETAIN A LICENSED HVAC SUBCONTRACTOR FOR ALL HVAC WORK.

P. 1. PRIME ALL SURFACES WHICH ARE TO RECEIVE BITUMINOUS ROOFING.
2.INSTALL ENVELOPE EDGES TO ELIMINATE THE POTENTIAL FOR BITUMEN AND ADHESIVE DRIPPAGE INTO THE BUILDING
3.ALL WOOD BLOCKING TO BE FRT. (FIRE RETARDANT LUMBER).

S. CONTRACTOR SHALL MAKE NECESSARY TIE-INS AND ALTERATIONS TO EXISTING ROOF IN ACCORDANCE WITH ORIGINAL ROOF MANUFACTURERS REQUIREMENTS, SO AS TO MAINTAIN ORIGINAL WARRANTY ON EXISTING ROOF.

T. CONTRACTOR SHALL AT ALL TIMES HAVE A FULL SET OF DRAWINGS AND SPECIFICATIONS ON ROOF TOP WHILE WORK IS IN PROGRESS.

U. CONTRACTOR RESPONSIBLE TO RECTIFY ANY PONDING WATER ON FINISHED ROOF SURFACE THAT REMAINS AFTER 48 HOURS AT NO ADDITIONAL COST .

DEMOLITION NOTES: (#)

1. REMOVE EXISTING EQUIPMENT, CAP EXISTING CURB TO REMAIN. SEE MEP DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.
2. MODIFY EXISTING OPENING OF GRAVITY VENT TO ACCOMMODATE NEW EQUIPMENT. THE CONTRACTOR IS TO TAKE ALL NECESSARY STEPS TO ENSURE WEATHERTIGHTNESS DURING THE COURSE OF THE WORK. PATCH AND REPAIR ALL DAMAGE CAUSED BY RENOVATION TO MATCH EXISTING ADJACENT SURFACES ACCORDING TO ROOFING MANUFACTURER.
3. DE-ENERGIZE, UNINSTALL PANELS AND ASSOCIATED CONDUITS AND APPURTENANCES AS SHOWN ON DRAWING OUTLINED. CONTRACTOR SHALL DETERMINE WHICH SECTION OF THE PANELS ARE TO BE REMOVED WITH OWNER BEFORE ANY REMOVAL AND THEN HAND OVER ALL EQUIPMENT TO OWNER. CONTRACTOR IS TO PATCH AND REPAIR ALL DAMAGES INCURRED BY THE REMOVAL OF THE SOLAR PANELS ACCORDING TO THE ROOFING MANUFACTURER.

CONSTRUCTION NOTES - SBS: (X)

1. AT VENT PIPES, INSTALL LIQUID APPLIED FLASHING SYSTEM W/ FLEECE REINFORCING. INSTALL PER MANUFACTURES LATEST INSTALLATION GUIDELINES FLASHING SHALL BE INCLUDED IN ROOF MANUFACTURES WARRANTY SEE DETAIL 3/ A103. MODIFY/EXTEND ANY VENT PIPES THAT DO NOT MEET THE 8" MINIMUM BASE FLASHING HEIGHT.
2. AT ALL ROOFTOP EQUIPMENT ON FULLY ENCLOSED CURBS, ROOF HATCHES, & SKYLIGHTS. INSTALL ON WOOD BLOCKING WHICH HAS BEEN FASTENED TO THE ROOF DECK TO MAINTAIN 8" MINIMUM FLASHING HEIGHT FROM THE SURFACE OF THE ROOF. INSTALL INSULATION AND CANT STRIP. RUN ROOF MEMBRANE UP CURBS 2" ABOVE THE CANT STRIP. INSTALL SBS MODIFIED BITUMEN BASE FLASHING. FASTEN TOP EDGE AND INSTALL A REMOVABLE COUNTER FLASHING. SEE DETAIL 2/A103 AND FOLLOW MFR'S LATEST INSTALLATION REQUIREMENTS. CURBS MUST ALSO BE SET LEVEL WHERE REQUIRED FOR PROPER FUNCTIONING OF THE ROOF TOP UNIT. PROVIDE 1/2" PER FOOT SLOPED TAPERED INSULATION CRICKETS AT HIGH SIDE OF NEW ROOFTOP EQUIPMENT. CRICKET SLOPE IS PERPENDICULAR TO SADDLE/CRICKET VALLEY LINE. ALL COLORS ARE SELECTED BY ARCH.
3. AT ALL REMOVED EQUIPMENT THAT WILL EXPOSE THE UNDERSIDE (INTERIOR), CAP EXISTING CURB AS SHOWN ON MEP'S DETAIL 3/M501.
4. EXG ROOF TO REMAIN ARE UNDER WARRANTY, INSTALLATION OF ROOFTOP EQUIPMENT IN THIS AREA SHALL BE DONE IN ACCORDANCE WITH THE ROOFING MANUFACTURES REQUIREMENTS TO MAINTAIN SAID WARRANTY, TYPICAL.
5. WALKWAY PADS - INSTALL AROUND ALL ROOFTOP UNITS, ROOFTOP EQUIPMENT AND ROOF ACCESS POINTS SUCH AS ACCESS LADDERS AND ROOF HATCHES. MODIFY WALKWAY PADS AS REQUIRED SO THAT THE PAD MUST NOT IMPEDE THE FREE FLOW OF WATER TO THE DRAINAGE POINTS. SEE DETAIL 5/A103

SYMBOLS

- (#) DEMOLITION/ CONSTRUCTION NOTE
- # CONSTRUCTION NOTE
- SL DIRECTION OF ROOF SLOPE
- # ROOF ASSEMBLY TYPE
- ¼" PER FOOT SLOPED TAPERED INSULATION CRICKETS

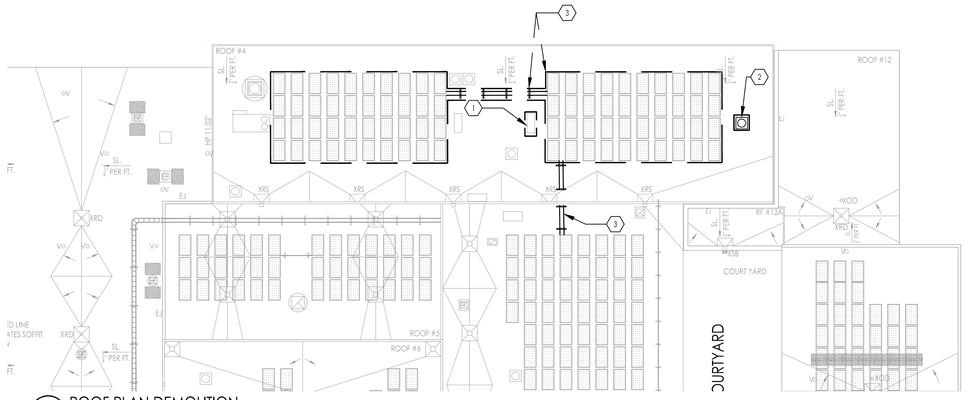
LEGEND

- EXG ROOF DRAIN
- XRD TAPERED INSULATION
- ROOF DRAIN OVERFLOW ROOF DRAIN TAPERED INSULATION
- XGO EXG GUTTER OUTLET AND RAIN WATER LEADER
- EF EXHAUST FAN UNIT
- EF EXHAUST FAN UNIT
- PC PIPE CURB
- XSB EXG SCUPPER BOX AND RAIN WATER LEADER
- HS HEAT STACK
- XOD EXG OVERFLOW DRAIN
- GV VENTILATOR
- GN GOOSE NECK
- RTU ROOF TOP UNIT
- V VENT PIPE
- WALKWAY PADS
- ROOF HATCH
- PIPE SUPPORT
- PP PITCH POCKET
- SKYLIGHT
- TBR ABANDON CURB TO BE REMOVED

RIGID INSULATION | ROOF INSULATION | THERMAL BARRIER BOARD

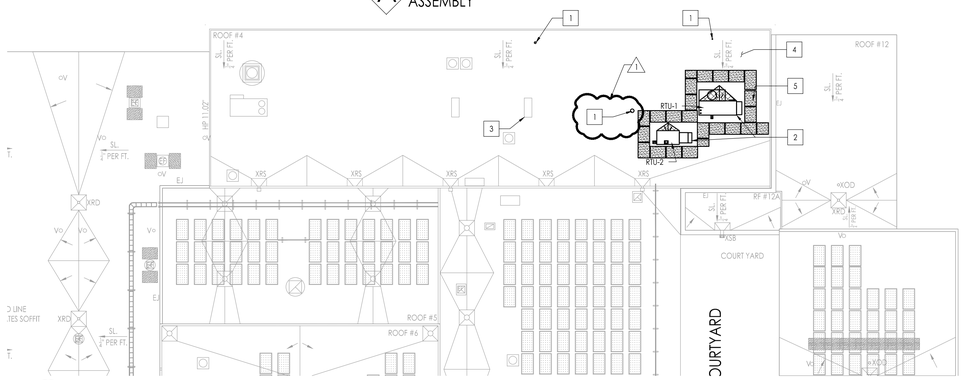
SOLAR PANEL EQUIPMENT NOTE:

THE EXISTING SOLAR EQUIPMENT IS CURRENTLY OWNED BY THE SCHOOL DISTRICT AND NON-OPERATIONAL. THE GC IS TO REMOVE THE PANELS AND ASSOCIATED EQUIPMENT WITH CARE AND HAND OVER TO THE OWNER.



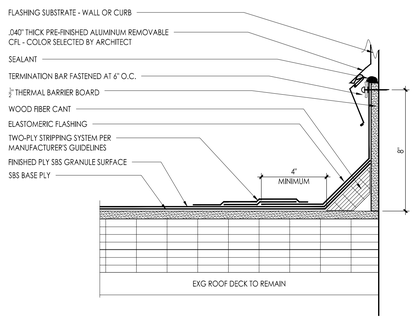
1 ROOF PLAN DEMOLITION
SCALE: 1/16" = 1' - 0"

A ROOF ASSEMBLY

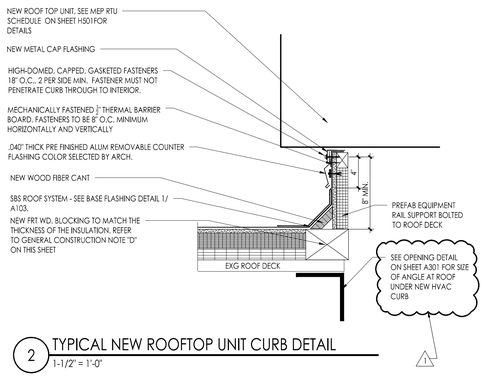


2 ROOF PLAN
SCALE: 1/16" = 1' - 0"

NOTE:
WHERE BASE FLASHING IS HIGHER THAN 24", TERMINATE SHEET WITH FASTENERS AND TERMINATION BAR. PRE-DRILL PRIOR TO INSTALLATION OF FASTENER RUN A SEPARATE SHEET UP ONTO THE REMAINING WALL SECTION. OVERLAP TERMINATION BAR A MINIMUM OF 6".

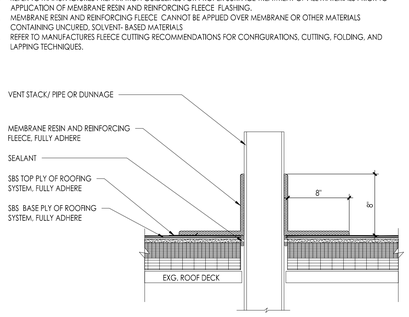


1 TYPICAL BASE FLASHING DETAIL
3" = 1'-0"

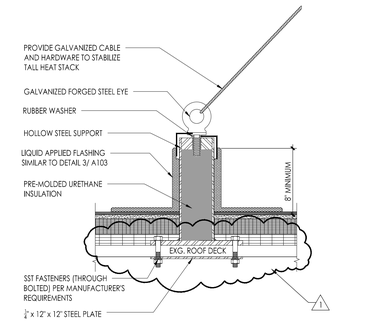


2 TYPICAL NEW ROOFTOP UNIT CURB DETAIL
1-1/2" = 1'-0"

NOTES
1. BEFORE APPLICATION OF MEMBRANE RESIN AND REINFORCING FLEECE FLASHING MEMBRANE, OR ELASTOMERIC SEALANT SHOULD BE USED TO FILL VOIDS WHERE ROOFING MEMBRANES TERMINATE AT PENETRATIONS.
2. REFER TO MANUFACTURES PREPARATION GUIDELINES FOR PROPER SURFACE TREATMENT OF ALL MATERIALS PRIOR TO APPLICATION OF MEMBRANE RESIN AND REINFORCING FLEECE FLASHING.
3. MEMBRANE RESIN AND REINFORCING FLEECE CANNOT BE APPLIED OVER MEMBRANE OR OTHER MATERIALS CONTAINING UNCURED, SOLVENT- BASED MATERIALS
4. REFER TO MANUFACTURES FLEECE CUTTING RECOMMENDATIONS FOR CONFIGURATIONS, CUTTING, FOLDING, AND LAPPING TECHNIQUES.

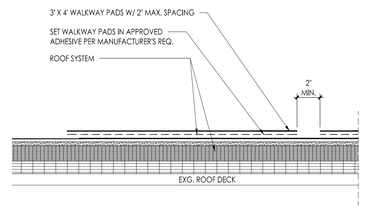


3 TYPICAL PVC PIPE/ DUNNAGE DETAIL
1-1/2" = 1'-0"

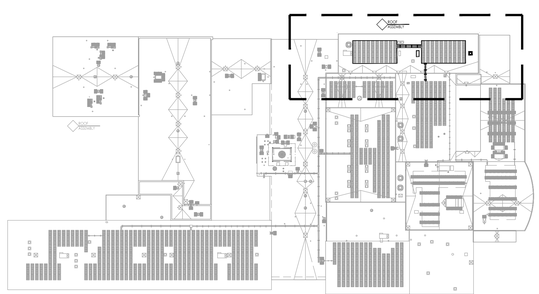


4 GUY WIRE SUPPORT DETAIL
NOT TO SCALE

NOTE:
WALKWAYS MUST NOT IMPEDE THE FREE FLOW OF WATER TO THE DRAINAGE POINTS



5 TYPICAL WALKWAY PAD
1-1/2" = 1'-0"



KEY PLAN
SCALE: 1/64" = 1' - 0"

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21401/PA-RA0-25000

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21402/PA-RA0-25001

JASON J. DUBOWITCH, AIA
NJ - 21461/PA-RA0-25000

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08618
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453
FVHDPC.COM

10/11/23
Date

Project Name
STEM Lab Alterations & Renovations at Clearview Regional Middle School

Project Owner Name
Clearview Regional High School District

Project Location
595 Jefferson Rd, Mullica Hill, NJ 08062

Project Number
5162C

Project Date
10/11/2023

Checked By
GRD

Drawn By
SB

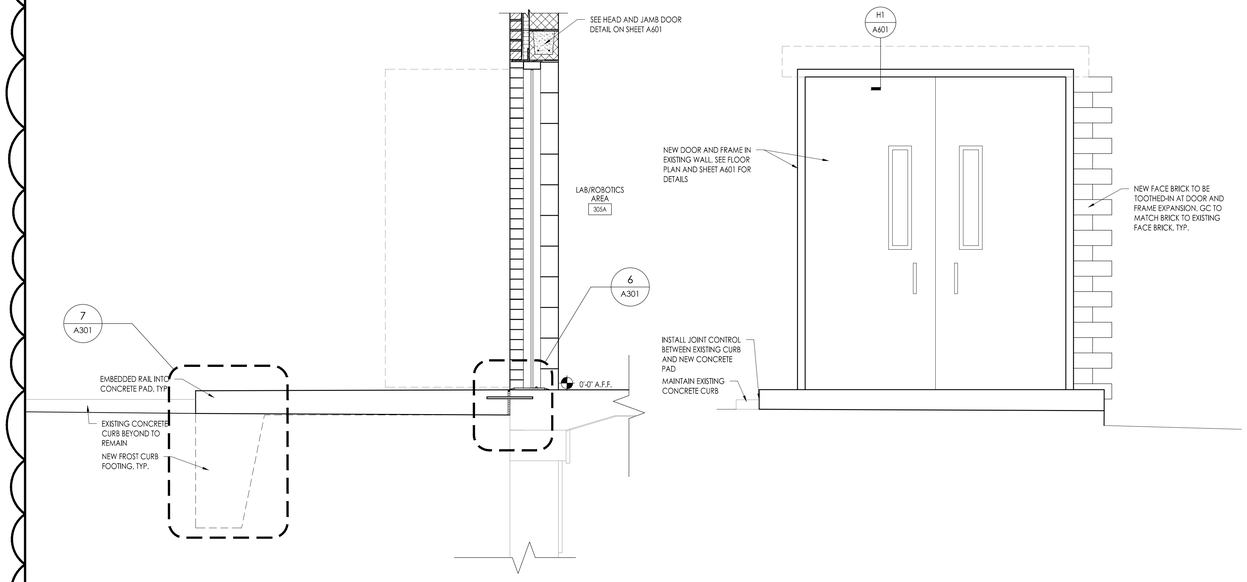
Scale
AS NOTED

Drawing Name
ROOF PLAN, DETAILS, AND NOTES

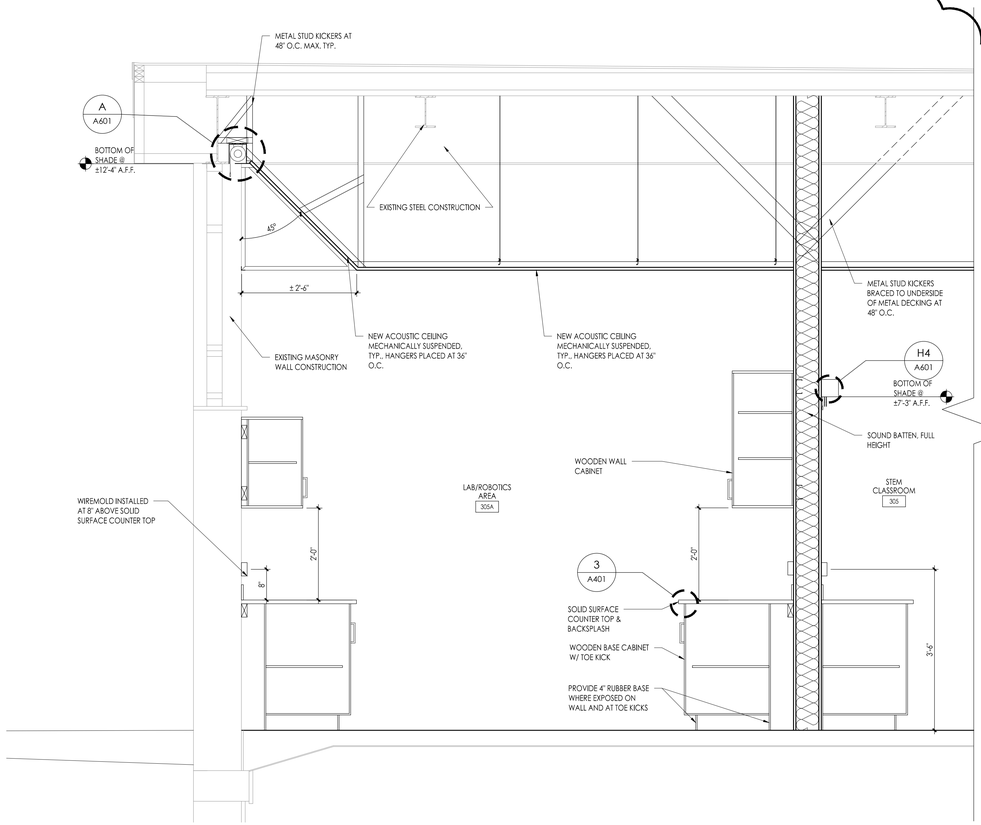
Revisions

No.	Date	Description
1	10.20.23	ADDENDUM 1

Drawing Number
A103



1 WALL SECTION
Scale: 3/4" = 1'-0"



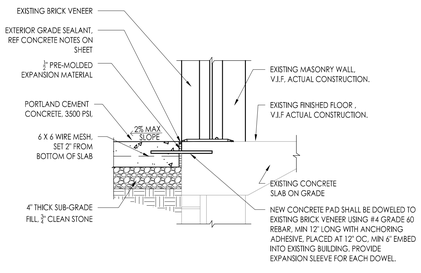
2 WALL SECTION
Scale: 3/4" = 1'-0"

3 WALL SECTION
Scale: 3/4" = 1'-0"

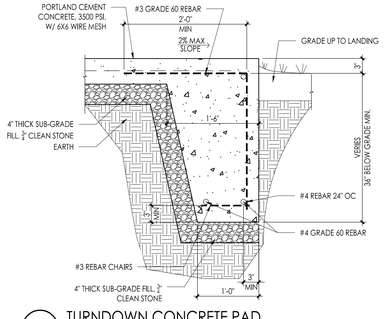
4 WALL SECTION
Scale: 3/4" = 1'-0"

NOT USED

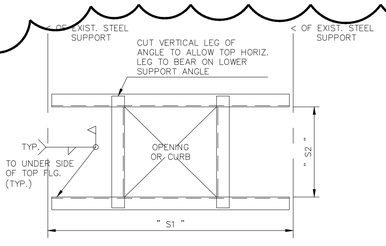
5 WALL SECTION
Scale: 3/4" = 1'-0"



6 CONCRETE PAD TIE-IN TO EXISTING
Scale: 1" = 1'-0"



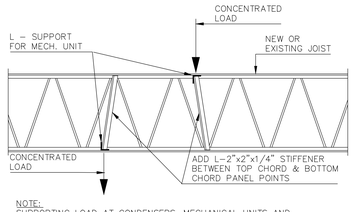
7 TURNDOWN CONCRETE PAD
Scale: 1" = 1'-0"



NOTES:
1. CONTRACTOR SHALL VERIFY ALL OPENINGS AND EXACT LOCATIONS OF OPENINGS PRIOR TO FABRICATION & ERECTION.
2. PROVIDE NEW STEEL ANGLES ON ALL SIDES OF MECH'L CURBS UNLESS EXISTING BEAM, JOIST OR ANGLE IS SHOWN ON PLAN.

NEW ANGLE SIZES TO BE:
FOR "S1" OR "S2" ≤ 6'-6" L-4"x4"x5/16"
FOR "S1" OR "S2"> 6'-6" L-6"x6"x3/8"

TYPICAL OPENING DETAIL AT ROOF UNDER NEW HVAC CURB
NOT TO SCALE



NOTE:
SUPPORTING LOAD AT CONDENSERS, MECHANICAL UNITS AND ALL CONCENTRATED LOADS GREATER THAN 300 lbs. OMIT IF LOAD IS WITHIN 3" OF A PANEL POINT.

TYPICAL DETAIL AT REINFORCED JOIST
NOT TO SCALE

NOTES:
UNLESS OTHERWISE SPECIFIED ON DRAWINGS PROVIDE & INSTALL LINTELS FOR ALL SQUARE HEAD MASONRY OPENINGS IN ALL MASONRY WALLS IN ACCORDANCE WITH THE FOLLOWING SCHEDULES & COMMENTS.

LOOSE LINTEL SCHEDULE
(FOR 4", 8", 12", & 16" WALLS)

MASONRY OPENING	LINTEL SIZE	REMARKS
UP TO 4'-0"	L - 3 1/2" x 3 1/2" x 1/4"	
4'-1" TO 6'-0"	L - 5" x 3 1/2" x 5/16"	
6'-1" TO 8'-0"	L - 6" x 3 1/2" x 5/16"	
OVER 8'-0"	W 8 x 18 + >	

LOOSE LINTEL SCHEDULE
(FOR 6" WALLS)

MASONRY OPENING	LINTEL SIZE	REMARKS
2'-0" TO 6'-0"	WT 7 x 11	
6'-1" TO 8'-0"	WT 8 x 13	

NOTES:
1. PROVIDE ONE (1) ANGLE FOR EACH 4" OF MASONRY WIDTH.
2. BEAR LINTELS 6" MINIMUM EACH SIDE OF OPENING.
3. ALL LINTELS IN EXTERIOR WALLS TO BE GALVANIZED.
4. WHERE OPENINGS LOCATED NEXT TO COLUMNS OR BEAMS, ATTACH TO STRUCTURAL STEEL. CONNECTION NOT TO PROTRUDE INTO OPENING.
5. CONSULT ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR OPENING SIZE & LOCATION.

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01106001 | PA - #AR-025026
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI02190500
JASON J. DUBOWITCH, AIA
NJ - 21AI01778501 | PA - #AA005059
GRD 10/11/23 Date
FVHD architects planners
Fraytak Veisz Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08618
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453
FVHDPC.COM

Project Name
STEM Lab Alterations & Renovations at Clearview Regional Middle School

Project Owner Name
Clearview Regional High School District

Project Location
595 Jefferson Rd, Mullica Hill, NJ 08062

Project Number
5162C

Project Date
10/11/2023

Checked By
GRD

Drawn By
SB

Scale
AS NOTED

Drawing Name
WALL SECTIONS AND MISCELLANEOUS DETAILS

Revisions

No.	Date	Description
1	10.20.23	ADDENDUM 1

Drawing Number
A301

GENERAL CASEWORK NOTES:

1. CATALOG NUMBERS REFER TO MOST CURRENT CAMPBELL RHEA CASEWORK CATALOG UNLESS OTHERWISE NOTED. FOR REFERENCE ONLY.
2. ALL CASEWORK DOORS AND DRAWERS TO HAVE LOCKS KEYED ALIKE PER ROOM AND MASTER KEYED.
3. ALL TOPS SHALL HAVE PLYWOOD AND SOLID SURFACE COVERING ON ALL EXPOSED SURFACES (UNLESS NOTED OTHERWISE). SEE EDGE DETAILS ON SHEET FOR SPECIFIC THICKNESS.
4. ALL BACKSPLASHES SHALL BE 1/2" SOLID SURFACES (UNLESS NOTED OTHERWISE).
5. ALL FURNITURE AND EQUIPMENT SHOWN DOTTED AND/OR INDICATED AS (N.I.C.) IS NOT IN CONTRACT.
6. THE CASEWORK & EQUIPMENT SUB-CONTRACTOR(S) SHALL TURN OVER TO THE PLUMBING AND ELECTRICAL GENERAL CONTRACTOR IN A PACKAGE, ALL SINKS, FIXTURES, FAUCETS, TAILPIECES, STRAINERS, GAS COCKS, ETC., AND ELECTRICAL DEVICES, NIPPLES AND LOCKNUTS, ETC., FOR INSTALLATION AND FINAL CONNECTION.
7. THE CASEWORK AND EQUIPMENT SUB-CONTRACTOR SHALL PROVIDE AN ITEMIZED LIST AND A DESIGNATED SITE LOCATION FOR THE TRANSFER OF THE MATERIALS REFERENCED IN NOTE 6 TO THE PLUMBING AND ELECTRICAL PRIME CONTRACTORS. THE LIST SHALL HAVE A DESCRIPTION OF THE ITEMS AND QUANTITY ALONG WITH A SIGN-OFF LINE FOR THE PLUMBING AND ELECTRICAL PRIME CONTRACTORS. A COPY OF THE SIGNED LIST IS TO BE SUBMITTED TO THE ARCHITECT / OWNER PRIOR TO BILLING FOR THIS EQUIPMENT.
8. EQUIPMENT SUB-CONTRACTOR SHALL MAKE SINK CUT-OUTS.
9. ALL OUTLETS WITHIN 6' OF A WATER SOURCE SHALL BE G.F.C.I. UNLESS NOTED OTHERWISE.
10. SINK CABINETS SHALL BE INSTALLED BEFORE THE INSTALLATION OF ADJACENT CABINETS.
11. ALL CONTRACTORS TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT IN WRITTEN FORM OF ANY DISCREPANCIES.
12. PROVIDE ALL FILLERS AS REQUIRED. FILLERS AT BASE CABINETS SHALL BE AT FRONT OF CABINET AND COUNTERTOP SHALL BE CONTINUOUS OVER FILLER PANEL. FILLERS AT TALL CABINETS SHALL BE AT FRONT AND TOP OF CABINET. FILLERS AT WALL CASES SHALL BE AT FRONT, TOP AND BOTTOM OF CABINET. FINISH TO MATCH CASEWORK.
13. ALL PRINTERS AND COMPUTERS ARE N.I.C. (TYPICAL)
14. RUBBER BASE ON ALL CASEWORK BY G.C. (TYPICAL)
15. ALL SCHEDULED EQUIPMENT MANUFACTURERS ARE "BASIS OF DESIGN", OR APPROVED EQUAL.

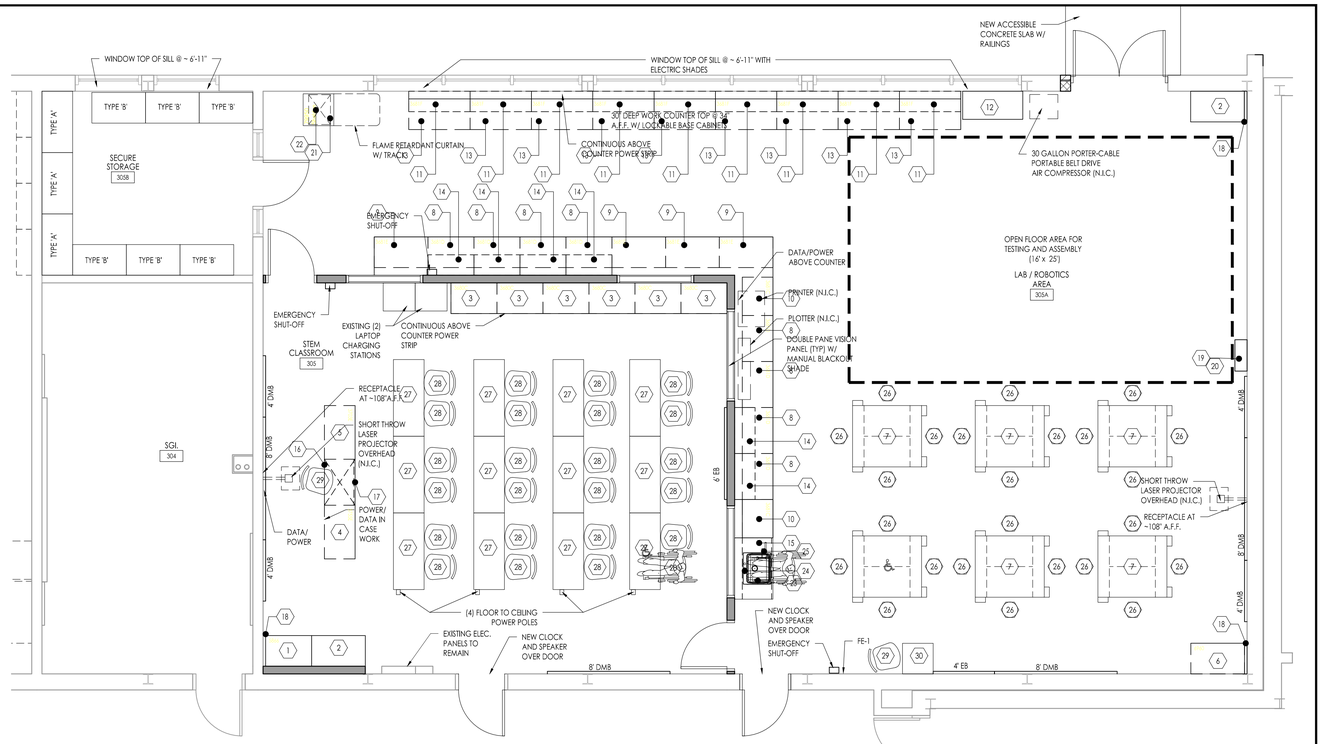
NOTE:

ALL FURNITURE AND EQUIPMENT WITHOUT THE SYMBOL OR MARKED (N.I.C.) IS NOT IN CONTRACT UNLESS NOTED OTHERWISE. SEE EQUIPMENT SCHEDULE FOR EQUIPMENT MARKED WITH THE SYMBOL

NOTE:

PROVIDE A MINIMUM 18" BARRIER-FREE MANEUVERING CLEARANCE AT THE PULL SIDE OF ALL DOORS ADJACENT TO CABINETS, SHELVING, CORRIDOR, DOORS, ETC.

1

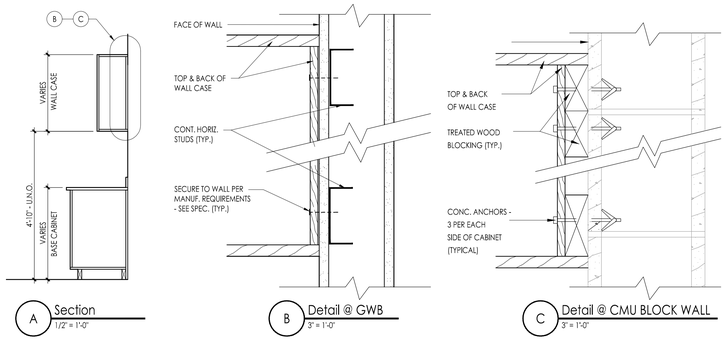


ENLARGED ROOM LAYOUT

1/4" = 1'-0"

EQUIPMENT SCHEDULE

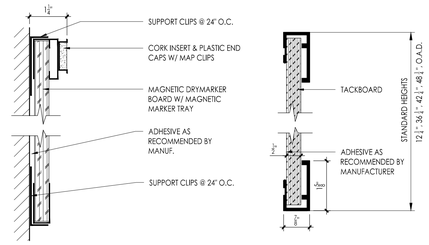
ITEM NO.	MANUFACTURER	CAT. NO.	DESCRIPTION	WIDTH	DEPTH	HEIGHT	REMARKS
1	CAMPBELL RHEA (OR APPROVED EQUAL)	5866	WARDROBE AND STORAGE CASE	35-1/4"	22-1/2"	84"	(1) FIXED SHELF; (3) ADJUSTABLE SHELVES; (1) HANGER ROD; 3 POINT LATCHING HANDLE. WARDROBE ON LEFT.
2	CAMPBELL RHEA (OR APPROVED EQUAL)	5690	TALL STORAGE CABINET	41-1/4"	22-1/2"	84"	(1) FIXED CENTER SHELF; (4) ADJUSTABLE SHELVES; ANCHOR TO WALL
3	CAMPBELL RHEA (OR APPROVED EQUAL)	3680C	OPEN BASE CABINET	35-1/4"	22-1/2"	33"	(2) ADJUSTABLE SHELVES
4	CAMPBELL RHEA (OR APPROVED EQUAL)	3755E	BASE CABINET	41-1/4"	22-1/2"	33"	DOUBLE DOORS; POWER/ DATA IN BASE CABINET ; W/ BASE PANEL
5	CAMPBELL RHEA (OR APPROVED EQUAL)	3703E	BASE CABINET	41-1/4"	22-1/2"	33"	(4) DRAWERS AND DOOR HINGED LEFT; W/ BASE PANEL
6	CAMPBELL RHEA (OR APPROVED EQUAL)	6960	WARDROBE AND SUPPLY CASE	41-1/4"	22-1/2"	84"	(1) HANGER; (1) FIXED HAT SHELF; (2) ADJ. SHELVES; (2) LARGE FILE DRAWERS W/ FILE FOLLOWERS; (1) SHALLOW DRAWER W/ ADJ. PARTITIONS FOR RECORD CARDS UP TO 3"x5"; (1)10"x12" MIRROR; PIN TRAY AND TOWEL BAR ON RIGHT HAND DOOR
7	CAMPBELL RHEA (OR APPROVED EQUAL)	7302	STUDENT WORK BENCH	54"	48"	31-1/4"	BASE CABINET HAS (12) INDIVIDUAL LOCKERS. MASTER KEYED. ASSEMBLY HAS (4) 7352-A WOODWORKING VISES WITH ALUMINUM HANDLES. TOP IS 2-1/4" LAMINATED HARD MAPLE.
8	CAMPBELL RHEA (OR APPROVED EQUAL)	3681D	BASE CABINET	35-1/4"	22-1/2"	33"	DOUBLE DOORS; (1) ADJ. SHELF
9	CAMPBELL RHEA (OR APPROVED EQUAL)	3681E	BASE CABINET	41-1/4"	22-1/2"	33"	DOUBLE DOORS; (1) ADJ. SHELF
10	CAMPBELL RHEA (OR APPROVED EQUAL)	3681C	BASE CABINET	30"	22-1/2"	33"	DOUBLE DOORS; (1) ADJ. SHELF
11	CAMPBELL RHEA (OR APPROVED EQUAL)	4710	WALL CABINET	47-1/4"	16"	23-3/4"	DOUBLE DOORS; (1) ADJ. SHELF
12	CAMPBELL RHEA (OR APPROVED EQUAL)	6779B	FLAMMABLE STORAGE CABINET	47"	22"	35"	36-GAL. CAPACITY METAL CAB. W/ (1) ADJ. SHELF; SWINGING DOORS OPEN TO 180°; DOORS HAVE THREE-POINT LATCHING SYSTEM W/ BUILT-IN LOCK.
13	CAMPBELL RHEA (OR APPROVED EQUAL)	3681F	BASE CABINET	47-1/4"	22-1/2"	33"	DOUBLE DOORS; (1) ADJ. SHELF
14	CAMPBELL RHEA (OR APPROVED EQUAL)	4730	WALL CABINET	35-1/4"	16"	31-1/4"	DOUBLE DOORS; (2) ADJ. SHELF
15	CAMPBELL RHEA (OR APPROVED EQUAL)	8760	ADA CLOSURE PANEL ASSEMBLY	48"	22-1/2"	33"	
16	CAMPBELL RHEA (OR APPROVED EQUAL)	7075B	KNEESPACE COMPONENTS	35-1/4"	22-1/2"	4-7/8"	¾" SOLID LUMBER FRONT RAIL W/ 30" CLEARANCE AREA
17	CAMPBELL RHEA (OR APPROVED EQUAL)	CDC36FB	BACK PANEL	36"	¾"	30"	SOLID LUMBER TO MATCH REST OF CASEWORK
18	CAMPBELL RHEA (OR APPROVED EQUAL)	9084-152	FILLER	6"	--	84"	FIELD CUT
19	CAMPBELL RHEA (OR APPROVED EQUAL)	6784	SAFETY GOGGLES CABINET	24-1/2"	9-1/2"	32"	REINFORCED STEEL CABINET W/ BAKED WHITE ENAMEL FINISH & VANDAL RESISTANT LOCKING DOUBLE DOORS
20	CAMPBELL RHEA (OR APPROVED EQUAL)	6790	SAFETY GOGGLES	--	--	--	QUANTITY (36)
21	ICI SCIENTIFIC INC.	P967-24	FUME HOOD BASE CABINETS	24"	22"	32"	(1) ADJUSTABLE SHELF; FULL SOLID BACK FOR ADDED SUPPORT
22	BMC LABORATORY	B-810	SPRAY BOOTH	24"	22"	46-1/2"	SEE SPECIFICATION FOR ACCESSORIES I.E. EXHAUST BLOWER; EXPLOSION PROOF LIGHT FIXTURE;EXPLOSION PROOF RECEPTACLE; EXPLOSION PROOF SWITCH; EPOXY RESIN COUNTERTOP; FLAME RETARDANT CURTAIN W/ TRACK
23	ELKAY	LRADQ252260	LUSTERTONE CLASSIC STAINLESS STEEL	25"	22"	6"	SOUND DEADEN AT BOTTOM
24	JUST	J-1174-KS	FAUCET GROUP	8"	--	12-1/8"	4" VANDAL RESISTANT WRIST BLADES; 1.0 GPM AERATORS; ADA COMPLIANT
25	WATER SAVER	EW806	EYEWASH, DECK MOUNTED	--	--	--	RIGHT HAND MOUNTED; DUST COVER FOR EACH SPRAY HEAD; AP3600 THERMOSTATIC MIXING VALVE (TMV)
26	VIRCO (OR APPROVED EQUAL)	1211927FG	LAB STOOLS - 121 SERIES	17-7/8"	17-7/8"	VARIES	ADJ. HEIGHT STOOL- HARD PLASTIC SEAT W/ FELT-BASE GLIDES
27	VIRCO (OR APPROVED EQUAL)	FIT2460	FLIP-TOP TECHNOLOGY TABLES	60"	24"	34"	ADJ. HEIGHT:18" DEEP WORK SURFACE W/ 6" DEEP FLIP-TOP COMPARTMENT FOR WIRE MANAGMENT
28	VIRCO (OR APPROVED EQUAL)	ZUA18-FG-BR	ZUMBA® SERIES - STUDENT CHAIRS	20-3/4"	20-5/8"	32-1/4"	18" SEAT-HEIGHT; PROVIDE W/ FELT-BASE GLIDES AND BOOKRACK
29	VIRCO (OR APPROVED EQUAL)	4301	TASK CHAIR - 4300 SERIES	19-3/4"	18-1/2"	VARIES	ADJ. SEAT HEIGHT
30	VIRCO (OR APPROVED EQUAL)	IMT2	INSTRUCTOR MEDIA TOWER	27"	30"	40-5/8"	PROVIDE W/ LECTERN TOP (IMTIT); AND CASTERS
31	VIRCO (OR APPROVED EQUAL)	T762ELECT	POWER STRIP - PLATEAU® SERIES	--	--	--	12' CORD POWER STRIP W/ DIAGNOSTIC LEDs W/ 7 OUTLETS & EXCEEDS IEEE 587 CATEGORY A&B SURGE SUPPRESSION SPECIFICATIONS. PROVIDE (1) FOR EACH DESK; TOTAL OF (12)



A Section 1/2" = 1'-0"

B Detail @ GWB 3" = 1'-0"

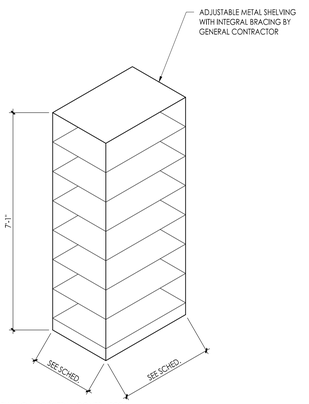
C Detail @ CMU BLOCK WALL 3" = 1'-0"



1 MARKER/EXIBITION BOARD DETAILS
Scale:6" = 1'-0"

CABINET WALL MOUNT DETAILS

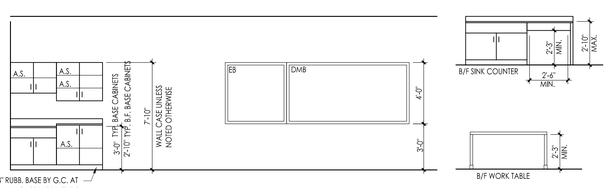
Scale:VARIES



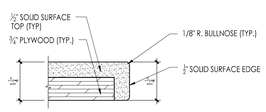
METAL SHELVING BY GENERAL CONTRACTOR

OPEN METAL SHELVING SCHEDULE

TYPE	W	D	H	TYPE	REMARKS
A	48"	24"	7'-1"	A	4 ADJ SHELVES 1 FIXED (SPACED AT 18")
B	42"	24"	7'-1"	A	4 ADJ SHELVES 1 FIXED (SPACED AT 18")



2 MOUNTING HEIGHT DETAILS
Scale:1/4" = 1'-0"



3 SOLID SURFACE EDGE DETAIL
Scale:6" = 1'-0"

4 METAL SHELVING TYPES
Scale: 1/2" = 1'-0"

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21401006001 | PA - AA012020

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21402700

JASON J. DUBOWITCH, AIA
NJ - 21406199001 | PA - RA406009

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08618
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453
FVHDPC.COM

GRD 10/11/23
Date

Project Name
STEM Lab Alterations & Renovations at Clearview Regional Middle School

Project Owner Name
Clearview Regional High School District

Project Location
595 Jefferson Rd, Mullica Hill, NJ 08062

Project Number
5162C

Project Date
10/11/2023

Checked By
GRD

Drawn By
KM/SB

Scale
AS NOTED

Drawing Name
ENLARGED ROOM LAYOUT

Revisions

No.	Date	Description
1	10.20.23	ADDENDUM 1

Drawing Number
A401

DOOR AND FRAME SCHEDULE

DR NO	DOOR LOCATION	DOOR SIZE	DOOR TYPE	DOOR MATL	DOOR GLAZING	FRAME TYPE	FRAME MATL	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SADDLE	HARDWARE	RATING	SIGN TYPE	NOTES
305	STEMCLASSROOM 305	3'-0" x 7'-0"	B	WD	FRIG-1	HM	HM	ETR	ETR	S2	5.0	20 MIN	9	SEE DOOR SCHEDULE NOTES 1, 6, 9, 10, 11
305.1	STEMCLASSROOM 305	3'-0" x 7'-0"	B	WD	TPG	H1	HM	H3	J3	--	4.0	--	8	SEE DOOR SCHEDULE NOTES 6, 8, 9, 10
305.2	STEMCLASSROOM 305	3'-0" x 7'-0"	B	WD	TPG	H1	HM	H3	J3	--	3.0	--	--	SEE DOOR SCHEDULE NOTES 6, 8, 9, 10
305.3	STEMCLASSROOM 305	4'-8" x 3'-4"	--	--	TPG	B1	HM	H4	J4	S3	--	--	--	SEE DOOR SCHEDULE NOTES 3, 9
305.4	STEMCLASSROOM 305	4'-8" x 3'-4"	--	--	TPG	B1	HM	H4	J4	S3	--	--	--	SEE DOOR SCHEDULE NOTES 3, 9
305.5	STEMCLASSROOM 305	5'-8" x 3'-4"	--	--	TPG	B2	HM	H4	J4	S3	--	--	--	SEE DOOR SCHEDULE NOTES 3, 9
305.6	STEMCLASSROOM 305	5'-8" x 3'-4"	--	--	TPG	B2	HM	H4	J4	S3	--	--	--	SEE DOOR SCHEDULE NOTES 3, 9
305A	LAB / ROBOTICS AREA 305A	3'-0" x 7'-0"	B	WD	FRIG-1	HM	HM	H2	J2	S2	5.0	20 MIN	9	SEE DOOR SCHEDULE NOTES 2, 4, 6, 9, 10, 11
305A.2	LAB / ROBOTICS AREA 305A	6'-0" x 7'-0"	C	FRP	GL	AL	AL	H1	J1	S1	1.0	--	3	SEE DOOR SCHEDULE NOTES 5, 7, 11
305B	SECURE STORAGE 305B	3'-0" x 7'-0"	A	WD	TPG	ETR	HM	ETR	ETR	--	2.0	--	10	SEE DOOR SCHEDULE NOTE 1, 11

DOOR SCHEDULE ABBREVIATIONS

AL - ALUMINUM
ETR - EXISTING TO REMAIN
FRIG-1 - FIRE-RATED IMPACT-RESISTANT GLAZING -TYPE 1
FRP - FIBERGLASS REINFORCED POLYESTER
HM - HOLLOW METAL
SG - SECURITY GLAZING
STL - STEEL
SWF - SECURITY WINDOW FILM
TPG - TEMPERED PLATE GLASS
WD - WOOD

GENERAL DOOR NOTES

A. ALL NEW DOORS IN NEW FRAMES TO BE 1¾" THICK AND HAVE A ½" UNDERCUT. UNLESS NOTED OTHERWISE
B. ALL WIRING FOR DOOR SECURITY TO BE CONCEALED IN NEW FRAMES
C. ANY EXISTING FRAME TO REMAIN ARE TO BE PRIMED AND REPAINTED TO MATCH NEW FRAME COLOR. COLOR TO BE SELECTED BY ARCHITECT.
D. ALL INTERIOR DOORS TO HAVE A METAL VISION TRIM KIT
E. ALL DOORS IN PROJECT TO RECEIVE NEW CONTINUOUS HINGES
F. ALL DOORS TO HAVE DOOR STOP ON THE PANIC SIDE

DOOR SCHEDULE NOTES

1. NEW DOOR IN EXISTING FRAME. VERIFY DOOR SIZE IN FIELD
2. KNOCK-DOWN FRAME
3. BORROWED LIGHT FRAME W/ DOUBLE PANE GLAZING
4. VERIFY EXISTING WALL THICKNESS
5. AUTOMATIC FLUSH BOLT W/ EXIT PANIC ON ACTIVE DOOR
6. PROVIDE DOOR PERIMETER SOUND SEAL AND AUTOMATIC DOOR BOTTOM
7. PROVIDE SOUND & WEATHERSTRIPPING AT PERIMETER
8. INSTALL DOUBLE PANE GLAZING IN FRAME
9. INSTALL WINDOW SHADES. SEE DRAWINGS AND SPECIFICATIONS FOR DETAILS
10. PROVIDE DOOR STOP
11. DOOR TO HAVE CLOSER

ROOM FINISH SCHEDULE

NUMBER	ROOM NAME	FLOOR	BASE MAT.	BASE HT.	WAINSCOT MAT.	WAINSCOT HT.	WALL FINISH	CEILING MAT.	CEILING HT.	NOTES
305	STEMCLASSROOM	SDT	RUB	4"	--	--	ETR-P/ GP	ACB-1	10'-0"	SEE ROOM FINISH SCHEDULE NOTE 2
305A	LAB / ROBOTICS AREA	SDT	RUB	4"	--	--	CP, GP	ACB-1	VARIES	SEE FINISH ROOM SCHEDULE NOTES 1 & 4
305B	SECURE STORAGE	VCT	RUB	4"	--	--	ETR-P	ACB-1	ETR	SEE ROOM FINISH SCHEDULE NOTE 5

ROOM FINISH SCHEDULE ABBREVIATIONS

ACB-1 - ACOUSTIC CEILING BOARD TYPE 1 (2'x4')
A.F.F. - ABOVE FINISHED FLOOR
B.F. - BARRIER FREE
CP - CONCRETE MASONRY UNIT - PAINTED
ETR-P - EXISTING TO REMAIN PAINT
GP - GYPSUM BOARD - PAINT
RUB - RUBBER BASE
SDT - STATIC DISSIPATIVE TILE
VCT - VINYL COMPOSITION TILE

GENERAL ROOM FINISH NOTES

A. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS / MANUFACTURER / PERFORMANCE AND WARRANTY INFORMATION
B. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS ON GROUNDING THE SDT FLOORING.
C. WALLS ARE TO BE SOUND ATTENUATED FROM THE BOTTOM OF THE TRACKS TO THE BOTTOM OF THE STRUCTURAL DECK.
D. GC TO PROVIDE SOUND SEALANT AT THE BOTTOM AND TOP OF METAL STUD TRACKS.
E. ANY EXISTING RECEPTACLES TO REMAIN. GC OR ELECTRIC SUBCONTRACTOR TO REPLACE FACE COVERS WHERE PAINT HAS COVERED OVER EACH RECEPTACLE

ROOM FINISH SCHEDULE NOTES

1. WINDOW TREATMENT (WT-1) ELECTRICAL ROLLER SHADE SYSTEM AT EXTERIOR WINDOWS. SEE SPECIFICATION SECTION 12496.
2. WINDOW TREATMENT (WT-2) MANUAL ROLLER SHADE SYSTEM AT CLASSROOM BORROWED LIGHTS. SEE SPECIFICATION SECTION 12496.
3. REFERENCE EQUIPMENT SCHEDULE TO SEE EQUIPMENT THAT WILL BE PROVIDED BY OWNER AND INSTALLED BY GC.
4. PATCH EXISTING WALLS - SEE REFLECTED CEILING PLAN
5. NEW TILES IN EXISTING TO REMAIN. PAINT GRID AND LIGHT SUPPORTS

SIGN TYPE 3
TEXT FONT: HELVETICA 1"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS

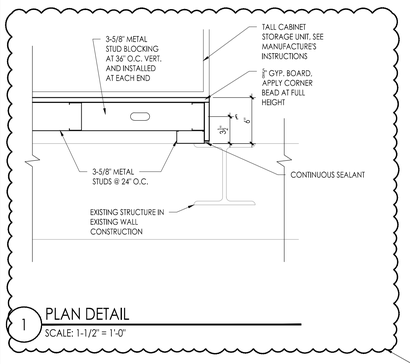
SIGN TYPE 8
TEXT FONT: HELVETICA 3/4"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS

SIGN TYPE 9
TEXT FONT: HELVETICA 3/4"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS

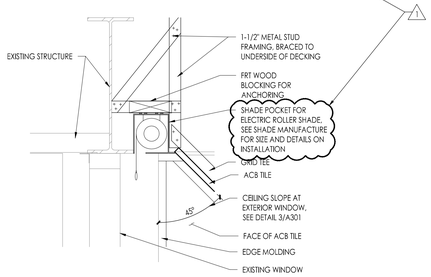
SIGN TYPE 10
TEXT FONT: HELVETICA 1"
BRAILLE: 1/4"
CORNERS: 3/8" RADIUS

DOOR SIGNAGE TYPES

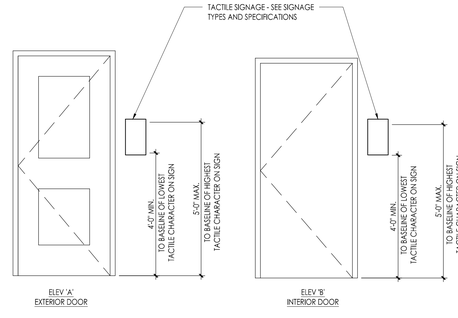
SCALE: 1-1/2" = 1'-0"



1 PLAN DETAIL
SCALE: 1-1/2" = 1'-0"



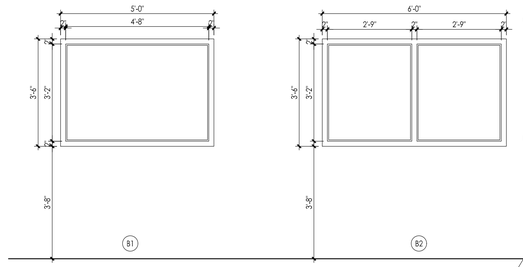
A ELECTRIC ROLLER SHADE POCKET AT WINDOW
SCALE: 1-1/2" = 1'-0"



SIGNAGE LOCATIONS:
SINGLE LEAF DOORS - LATCH SIDE
DOUBLE LEAF DOORS - TO THE RIGHT SIDE OF RIGHT LEAF
WHERE NO SPACE IS AVAILABLE - NEAREST ADJACENT WALL

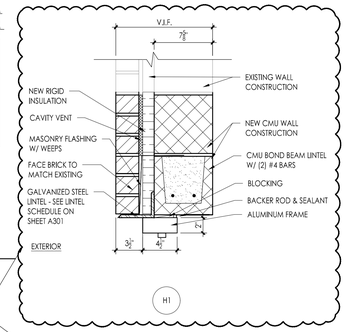
SIGN LOCATIONS

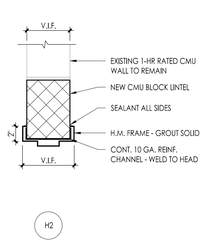
SCALE: 1/2" = 1'-0"

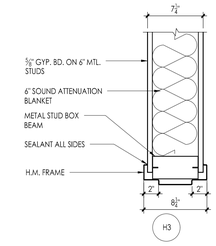


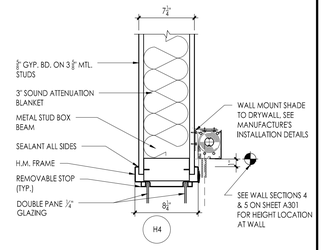
DOOR & FRAME TYPES

SCALE: 1/2" = 1'-0"



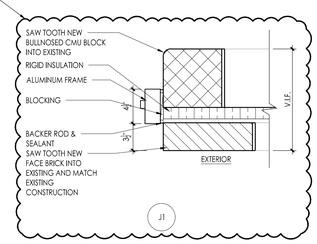


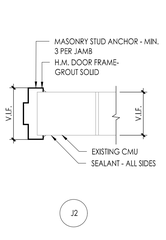


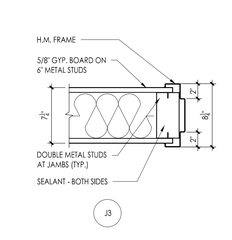


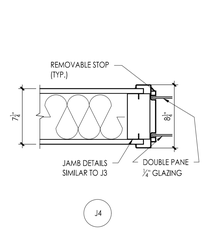
BORROWED LITE FRAME TYPES

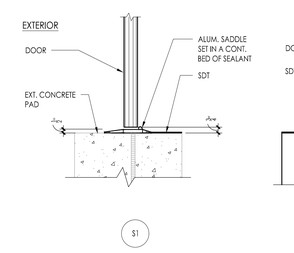
SCALE: 1/2" = 1'-0"

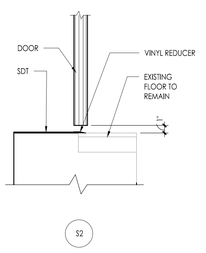


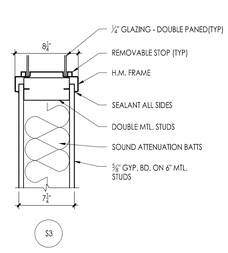












HEAD, JAMB, & SILL DETAILS

SCALE: 1-1/2" = 1'-0"

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01060001 | PA - AA012020

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI02189600

JASON J. DUBOWITCH, AIA
NJ - 21AI07978500 | PA - AA406009

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC
FVHDPC.COM

Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08618
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453

Project Name
STEM Lab Alterations & Renovations at Clearview Regional Middle School

Project Owner Name
Clearview Regional High School District

Project Location
595 Jefferson Rd, Mullica Hill, NJ 08062

Project Number
5162C

Project Date
10/11/2023

Checked By
GRD

Drawn By
SB

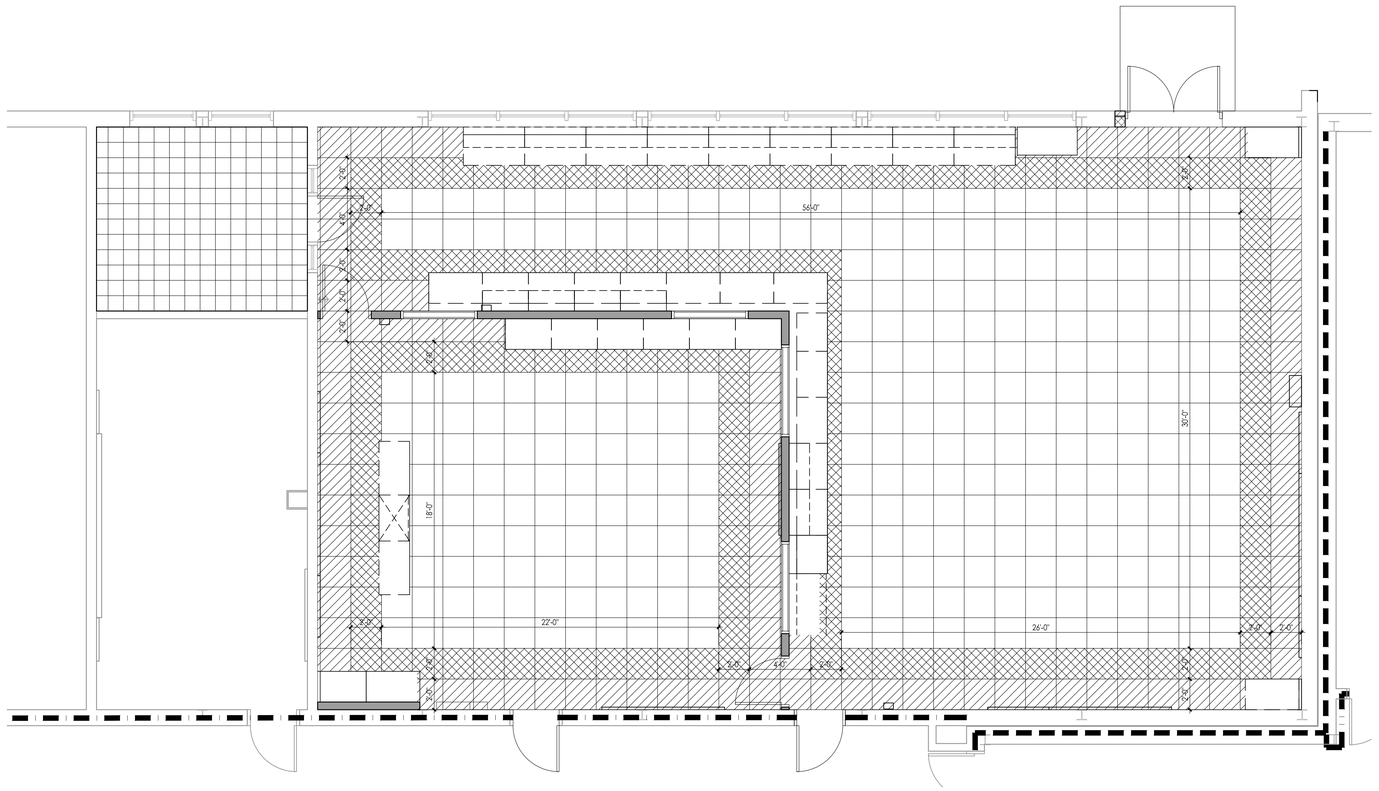
Scale
AS NOTED

Drawing Name
DOOR & FRAME DETAILS, SCHEDULES, NOTES AND PLAN DETAILS

Revisions

No.	Date	Description
1	10.20.23	ADDENDUM 1

Drawing Number
A601



FLOOR PATTERN LAYOUT

Scale: 1/4" = 1'-0"

STATIC DISSIPATIVE TILE LEGEND (STD)

- SDT1: 24"X24" Tarkett - iQ Granit SD
- SDT2: 24"X24" Tarkett - iQ Granit SD
- SDT3: 24"X24" Tarkett - iQ Granit SD

VINYL COMPOSITION TILE (VCT)

- VCT1: 12"x12" Tarkett -VCT II

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21401106001 | PA - 406G-25005

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21401129001

JASON J. DUBOWITCH, AIA
NJ - 21401119001 | PA - 164000P

10/11/23
Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08618
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453
FVHDPC.COM

Project Name
STEM Lab Alterations & Renovations at Clearview Regional Middle School

Project Owner Name
Clearview Regional High School District

Project Location
595 Jefferson Rd, Mullica Hill, NJ 08062

Project Number
5162C

Project Date
10/11/2023

Checked By
GRD

Drawn By
MZ

Scale
1/4"=1'-0"

Drawing Name
FLOOR PATTERN LAYOUTS

Revisions

No.	Date	Description
1	10.20.23	ADDENDUM 1

Drawing Number
A701