

ADDENDUM 01

Date: April 24, 2026

Project: RFB-458 Fairmont State University Musick Library Modernization

Location: Fairmont, West Virginia

Architect: SILLING, HBM

Owner: Fairmont State University

The following amendments, addenda, additions and deletions shall be made to the contract documents titled as above. This Addendum is issued to modify the original Project Manual and Drawings as prepared by Silling Architects for the above referenced project dated April 6, 2026 and is hereby made a part of the Contract Documents. Insofar as the contract documents are at variance with Addendum 01, this Addendum shall govern. Bidders shall review changes to all portions of the work, as changes to one portion may affect the work of another. **IT IS THE RESPONSIBILITY OF EACH BIDDER TO VERIFY THAT ALL SUBCONTRACTORS AND SUPPLIERS HAVE ADDRESSED ADDENDUM ITEMS.**

CLARIFICATIONS

1. The deadline for questions is Friday, May 1, 2026 at **6:00pm**.
2. Be aware that the current lead time for Carrier RTUs is 11-13 weeks; no “quick ship” options are currently available. With the Coffee Shop substantial completion date being in August, please be prepared to expedite the submission of necessary submittal(s) after the contract is awarded.
3. Attached is a copy of the Pre-Bid Agenda, the Contractual Requirements document, and the Pre-Bid Sign-In sheets.
4. Attached is a diagram depicting acceptable dumpster and parking locations for Contractors during construction. Note that the dumpster is required to be surrounded by temporary fencing for student safety.
5. Fairmont State University encourages Contractors to take advantage of the Summer break to conduct as much saw cutting, jackhammering, and demolition as possible while the library has more limited use. Sound restrictions will be in place for finals week during the Fall and Spring semesters, as well as a one-week period immediately before finals week. Please refer to the attached Academic Calendar and Library Hours of Operation. (also available at <https://library.fairmontstate.edu/about/hours>)

CHANGES TO SPECIFICATIONS

1. Specification 27 00 00 – General Requirement for Communication Systems
 - a. Include the FSU Information Technology “Specifications and Standards” document as an appendix to the specification.

CHANGES TO DRAWINGS

1. Sheet P3.1 PIPING – FIRST FLOOR PLAN – PLUMBING
 - a. Revised coded note 18.
 - b. Added coded notes 23 and 24.
 - c. Added 4" combustion air and vent piping for water heater.
 - d. Revised gas loads and piping
2. Sheet P3.2 PIPING – SECOND FLOOR PLAN – PLUMBING
 - a. Added vent piping serving water heater.
3. Sheet P3.3 PIPING – THIRD FLOOR PLAN – PLUMBING
 - a. Added vent piping serving water heater.
4. Sheet P3.4 NEW WORK – ROOF PLAN – PLUMBING
 - a. Added vent piping serving water heater.
 - b. Added coded note 5.
5. Sheet P4.1 SCHEDULES – PLUMBING
 - a. Revised gas load and filter schedule.
 - b. Revised domestic water heater (PE-2) model number and remarks.
6. Sheet E5.1 POWER RISER DIAGRAMS – ELECTRICAL
 - a. Added a note to provide an extended exhaust flue on the generator.
7. Sheet T0.1 NOTES & LEGENDS – TECHNOLOGY
 - a. Revised Electrical / Technology Division of Scope.
8. Sheet T0.2 INSTALLATION DETAILS – TECHNOLOGY
 - a. Revisions to coded notes.
 - b. Removal of labeling detail.
9. Sheet T2.2 NEW WORK – SECOND FLOOR PLAN – TECHNOLOGY
 - a. Revisions to coded notes.

All Bidders shall hand write receipt of Addendum 01 on Bid Form and check the appropriate box on the Addenda Acknowledgement Form.

ATTACHMENTS

- Pre-Bid Agenda
- Contractual Requirements Document
- Pre-Bid Sign-In Sheets
- Musick Library Parking and Dumpster Diagram
- Fairmont State University 2026-2027 Academic Calendar
- Fairmont State University Library Hours of Operation
- Specification 27 00 00 Appendix A
- Drawings P3.1, P3.2, P3.3, P3.4, P4.1, E5.1, T0.1, T0.2, and T2.2.

End of Addendum 01



Fairmont State University

Ruth Ann Musick Library Modernization

Pre-bid Agenda

Details

Date /Time	April 23, 2026 – 10:30 am
Location	Ruth Ann Musick Library, Room MMB 1201 Locust Ave, Fairmont, WV 26554

Agenda

1	Welcome and Introductions: Introduce Owner Representation. <ul style="list-style-type: none">- Director of Planning & Environmental Stewardship – Stephanie DeGroot- Director of Facilities Administration & Support Services – Abby Haught- Assistant Vice President of Facilities – Lenora Montgomery
2	Introduce Architects + Consultants: Brian Estep, Studio Director / Project Manager, Silling Joey Kutz, Project Architect Fred Pack, Construction Administrator, Silling Caleb Kuzman, Electrical Engineer, Scheeser Buckley Mayfield
3	Thank you for attending! Attendance at this Pre-bid is mandatory – please make sure you get your information on the sign-in sheet.
4	RFB-458 Contractual Requirements Document distribution.
5	Project Information / Scope: The Musick Library Modernization project consists of a first-floor coffee shop renovation and a complete second-floor renovation that includes associated mechanical, electrical, plumbing, fire alarm, fire protection and technology systems redistribution and upgrades. Two rooftop air handling units are to be replaced and a new main electrical distribution is to be added. Architectural upgrades will include new interior partitions, doors and frames, flooring, ceilings, light fixtures, and paint/finishes. The first-floor coffee shop consists of a new layout, including a back-of-house workroom. The second-floor renovation will include four new accessible restrooms, common spaces including study rooms, a conference room, a flexible classroom, offices, and testing center.
6	The building will be occupied during construction. The Contractor is responsible for installing and maintaining adequate dust partitions to ensure that construction debris remains contained and the general public does not have access to construction zones. During Spring and Fall semester Finals weeks (1 week each), noise must be kept to a minimum.
7	Bidders who are in attendance and are interested in submitting bids shall contact the Architect to obtain Bidding Documents. Email Bid Package requests to Joey Kutz at jkutz@silling.com and a Bid Package will be

	sent out in digital format. There is no deposit required for digital Bid Packages and all printing costs incurred by bidders are the responsibility of the bidders and are non-refundable.
8	<p>Vendors may submit questions to the Facilities Department and the Architect. Questions shall be submitted in writing via email to both abby.haught@fairmontstate.edu and jkutz@silling.com.</p> <p>All questions shall be submitted by 5:00 PM on May 1, 2026. A written response will be published via addendum if a response is deemed necessary.</p> <p>Non-written discussions, conversations, or questions and answers are preliminary in nature and are nonbinding.</p> <p>The final date for Addenda to be issued is May 5, 2026.</p>
9	Bidders are encouraged to read the Request for Bids and Instructions to Bidders for description of how bids are to be submitted and forms that are to be submitted with your bid.
10	<p>Construction duration – All work is to be substantially complete within 300 calendar days following receipt of the Owner’s written Notice-to-Proceed. Completion shall occur no later than 30 days after Substantial Completion.</p> <p>*Coffee Shop construction is on an expedited schedule, with Substantial Completion to occur on or before August 28, 2026. Completion and occupancy shall occur on or before September 25, 2026. The coffee shop will open for business on October 1, 2026.</p> <ul style="list-style-type: none"> - Liquidated Damages, if assessed, will be in the amount of \$1000 per calendar day.
11	<p>Sealed bids for the Ruth Ann Musick Library Modernization project will be received on Tuesday, May 12, 2026 until 2:00pm. All complete bids will be publicly opened and read aloud at that time.</p> <p>All Bids shall be submitted in accordance with the Bidding Documents issued by the Owner. Bids will be received in the following location:</p> <p>Fairmont State University Facilities Department c/o Abby Haught 1201 Locust Avenue Fairmont, WV 26554</p>
12	Build America Buy America Act Requirements.
13	Section 3 Labor Requirements.
14	Final comments.
15	Tour the site. Bidders are encouraged to visit the site to become familiar with the location and constraints of the project.
16	Adjourn – Thank you!

Contractual Requirements

1. Mandatory Pre-Bid Conference: Attendance at this conference is a mandatory prerequisite for prime bidders wishing to submit a bid. A site visit will be conducted to allow all bidders to verify existing site conditions. Representatives from the Owner/Design Team and Architect of Record are present to answer questions regarding the scope of work, requirements of the bid, and to further clarify existing conditions.
2. Owner/Design Representatives: Fairmont State University: Abby Haught; Stephanie DeGroot; Lenora Montgomery
3. Bidding Format: Single Prime Contract
4. Questions: Deadline for questions: May 1st, 2026 – 6:00pm. Questions should be submitted through e-mail to abby.haught@fairmontstate.edu and jkutz@silling.com.
5. Bid Requirements: Sealed bids for the work will be received by Fairmont State University, **Physical Plant Conference Room**, Fairmont State, Fairmont, WV until 2:00 pm on May 12th, 2026.
6. Required Documents with Bid: Bid Bond (form included), Purchasing Affidavit (form included), Bid Form, Addenda Acknowledgement (included), Contractor's License, and Drug-Free Workplace Conformance Affidavit.
7. Purchasing Division Registration: The Successful vendor must be registered with the West Virginia Purchasing Division and have paid the \$125 registration fee prior to the award of the contract.
8. Secretary of State Registration: Prior to contract award, unless a waiver is obtained from the WV Secretary of State's Office, every vendor must have a certificate of authority and be in good standing with the WV Secretary of State's Office.
9. Federal Debarment/Suspension: Prior to contract award, vendor status shall be verified on SAM.gov. If the vendor does not appear on SAM.gov, they must sign the Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion.
10. Taxes & Building Permits: Contractor is required to pay the City of Fairmont B&O tax of 2% as well as any required State Taxes. Building Permit fees are not required but as a courtesy, contractor should contact the City of Fairmont B&O office.
11. Bonds: Bid Bond, Performance Bond, and Payment Bond will be required.
12. Insurance Requirements: Insurance documents are included in the RFB. Successful bidder must obtain the required insurance within 15 days after the Notice of Intent to Award.
13. Disclosure of Interested Parties: 6D-1-2- Requires a business entity to submit to the state agency a **Disclosure of Interested Parties** to the applicable contract. A supplemental Disclosure must be submitted within 30 days of contract completion. Contracts over \$100,000. Form is located on the Ethics Website.
14. Sub-Contractor List: 5-22-1e – Apparent low bidder must submit a list (to the Facilities Business Officer and Architect of Record) of all subcontractors to who will perform more than \$25,000 of work on the project, including labor and materials with one business day of the opening of bids for review prior to the award of contract. Failure to submit the subcontractor list within one business day after deadline shall result in disqualification of bid. List must include the contractor's name and license number.
15. Owner's Occupancy Requirements: The existing school will remain in operation during the construction period.
16. Schedule: Liquidated damages in the amount of \$1000/day will be assessed for each day beyond the completion date the contractor fails to achieve substantial completion.
17. Site Security: Contractors are reminded that they are responsible for their own site security. All students' access points will need to be maintained.
18. Site Visit: A site visit will be conducted after the Pre-Bid Meeting. Contractors are reminded that a site visit is required for bid submission. Change Order requests for existing conditions that should have been anticipated during the site visit will not be considered.
19. AIA and Supplementary Conditions: This will be an AIA contract, requiring the WV-approved Supplementary Conditions.

FAIRMONT STATE UNIVERSITY

Musick Library Modernization

Pre-Bid Conference

April 23, 2026

RFB 458

Name: Cooper Hineman
Company Name: Lombardi Development Co
Address: 649 Virginia Ave
City: Follansbee
State: WV Zip: 26037
Telephone: 304-748-5920
Email: Bernie@lombardi.companies.com
Amber@lombardi.companies.com

Name: Jared Graffias
Company Name: Mon Valley Electric
Address: 1609 Garner St.
City: Fairmont
State: WV Zip: 26534
Telephone: 304-366-2340
Email: Jared@monvalleyelectric.com

Name: BILL KEITH
Company Name: MASCARO
Address: 1728 METROPOLITAN ST
City: PGH
State: _____ Zip: 15233
Telephone: 412 321 4901
Email: BUILDINGS & MASCARO CONSTRUCTION. SAH

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Pre-Bid Conference

April 23, 2026

RFB 458

Name: MIKE LARSON-EDWARDS
Company Name: MASSARO CORPORATION
Address: 120 Delta Dr.
City: Pittsburgh
State: PA Zip: 15238
Telephone: 412-778-7879
Email: BIDS@massarocorporation.com

Name: Joey Kutz, Brian ESTER, FRED Pack
Company Name: Silling
Address: 405 Capitol St. Charleston, WV 25301
City: _____
State: _____ Zip: _____
Telephone: 304-346-0565
Email: jkutz@silling.com bestep@silling.com
fpack@silling.com

Name: CALEBKUTZMAN, AMY HARMON, Ryan Mollchen
Company Name: SBM
Address: _____
City: _____
State: _____ Zip: _____
Telephone: _____
Email: _____

FAIRMONT STATE UNIVERSITY

Musick Library Modernization

Pre-Bid Conference

April 23, 2026

RFB 458

Name: Matthew Willis
Company Name: Danhill Construction
Address: PO Box 685
City: Ganley Bridge,
State: WV Zip: 25085
Telephone: 304-719-1456
Email: matthew.willis@danhillconstruction.com

Name: Marty Turner
Company Name: Veritas Contracting LLC
Address: 246 Business Park Dr
City: Fairmont 1
State: WV Zip: 26554
Telephone: 304-598-2285
Email: bid@veritaswv.com

Name: Jennifer Landau
Company Name: Landau Building Co.
Address: 4378 Craughhead Rd.
City: Allison Park
State: PA Zip: 15001
Telephone: 724-935-8800
Email: jplandau@landau-bldg.com

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Musick Library Modernization

Pre-Bid Conference

April 23, 2026

RFB 458

Name:	Ben Holbert	
Company Name:	ARCOR Mechanical Systems, LLC	
Address:	417 Holland Ave	
City:	Westover	
State:	WV	Zip: 26501
Telephone:	304-629-8442	
Email:	bholbert@arcormechanical.com	
Name:	Lenora Montgomery	
Company Name:	Fairmont State University	
Address:	1201 Locust Avenue	
City:	Fairmont	
State:	WV	Zip: 26554
Telephone:	304-367-4657	
Email:	lenora.montgomery@fairmontstate.edu	
Name:	Tyler Malejko	
Company Name:	Fairmont State University	
Address:	1201 Locust Avenue	
City:	Fairmont	
State:	WV	Zip: 26554
Telephone:	tyler.malejko@fairmontstate.edu	
Email:	304-367-4401	

FAIRMONT STATE UNIVERSITY
Musick Library Modernization
Pre-Bid Conference
April 23, 2026
RFB 458

Name:	<u>Abby Haught</u>		
Company Name:	<u>Fairmont State University</u>		
Address:	<u>1201 Locust Avenue</u>		
City:	<u>Fairmont</u>		
State:	<u>WV</u>	Zip:	<u>26554</u>
Telephone:	<u>304-367-4778</u>		
Email:	<u>abby.haught@fairmontstate.edu</u>		
<hr/>			
Name:	<u>Stephanie DeGroot</u>		
Company Name:	<u>Fairmont State University</u>		
Address:	<u>1201 Locust Avenue</u>		
City:	<u>Fairmont</u>		
State:	<u>WV</u>	Zip:	<u>26554</u>
Telephone:	<u>304-367-4110</u>		
Email:	<u>Stephanie.DeGroot@fairmontstate.edu</u>		
<hr/>			
Name:	<u>Devin Carpenter</u>		
Company Name:	<u>Fairmont State University</u>		
Address:	<u>1201 Locust Avenue</u>		
City:	<u>Fairmont</u>		
State:	<u>WV</u>	Zip:	<u>26554</u>
Telephone:	<u>304-367-4110</u>		
Email:	<u>Devin.Carpenter@fairmontstate.edu</u>		

CAMPUS PARKING MAP



FAIRMONT STATE
UNIVERSITY™

RFB- 458

Proposed Laydown & Contractor Parking

BUILDINGS

- A Bryant Place (BP)
- B Colebank Hall (CH)
- C Duvall-Rosier Field
- D Education Building (ED)
- E Engineering Technology Building (ET)
- F Erickson Alumni Center
- G Falcon Center (FAL)
- H Feaster Center (FC)
- I Gabor WV Folklife Center (FOLK)
- J Hardway Hall (HB)
- K Hunt Haught Hall (HH)
- L Jaynes Hall (JH)
- M Morrow Hall
- N Newman Center
- O One Room Schoolhouse Museum
- P Parking Garage
- Q Pence Hall
- R Physical Plant Building
- S Practice Field
- T Prichard Hall
- U Ruth Ann Musick Library (LI)
- V Shaw House
- W Tennis Courts
- X Turley Student Services Center (TC)
- Y University Terrace
- Z Wallman Hall (WH)
- AA Wesley Foundation

General Contractor
Parking

Laydown &
Parking- 1 Vehicle
(approx. 6 spaces)

Recommended
Dumpster location
(West elevation)

Possible
overflow parking

Visitor Parking

Below the Turley Center, behind
Hardway Hall, the Bottom Levels (1-5)
and front row of the Parking Garage,
behind the Education Building and in
front of the Alumni Center

Visitor Parking (METERED)

Below the Turley Center, behind
Hardway Hall, front row of the Parking
Garage, behind the Education Building

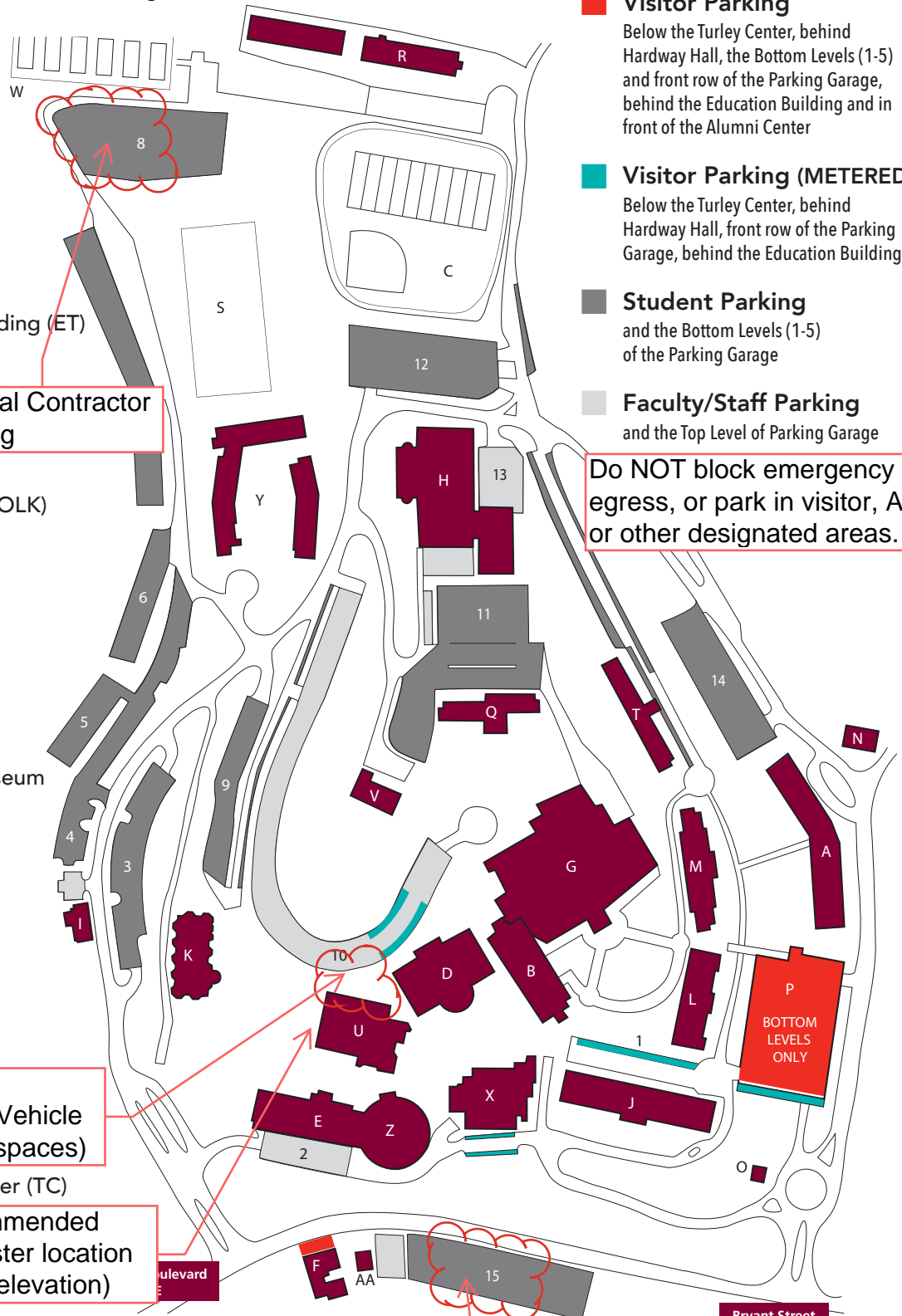
Student Parking

and the Bottom Levels (1-5)
of the Parking Garage

Faculty/Staff Parking

and the Top Level of Parking Garage

Do NOT block emergency
egress, or park in visitor, ADA,
or other designated areas.



Bryant Street
ENTRANCE



Fairmont State University

2026-2027 Academic Calendar

2026 Fall Semester

Monday-Friday, August 10-14	Opening Session and Professional Development
Wednesday, August 12	Move-In Day
Friday, August 14	Student Convocation
Monday, August 17	Classes Begin
Tuesday, September 1	PR or NP Notations Due
Monday, September 7	Labor Day, No Classes
Monday, September 14	Early Alert Grades Due
Friday, October 9	Midterm
Monday, October 12	2nd 8-week Classes Begin
Friday, October 16	Fall Holiday, No Classes **
Monday-Friday, November 23-27	Thanksgiving Recess, No Classes
Friday, December 4	Last Day of Classes
December 7-11	Final Exams
Saturday, December 12	Commencement
Wednesday, December 16	Final Grades Available Online

2027 Spring Semester

Monday-Friday, January 11-15	Opening Session and Professional Development
Monday, January 18	Martin Luther King Jr Day, No Classes
Tuesday, January 19	Classes Begin
Monday, February 1	PR or NP Notations Due
Monday, February 15	Early Alert Grades Due
Friday, March 12	Midterm
Monday-Friday, March 15-19	Spring Break, No Classes
Monday, March 22	2nd 8-Week Classes Begin
Friday, April 2	Spring Holiday, No Classes **
Friday, May 7	Last Day of Classes
Monday-Friday, May 10-14	Final Exams
Saturday, May 15	Commencement
Wednesday, May 19	Final Grades Available Online

2027 First Summer Term (5 weeks)

Monday, May 24	Classes Begin
Monday, May 31	Memorial Day, No Classes
Friday, June 25	First Summer Term Ends

2027 Second Summer Term (5 weeks)

Monday, June 28	Classes Begin
Friday, July 30	Second Summer Term Ends

**Subject to change by one week based on future University events


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About: Hours

Hours

Mission

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Staff Directory

Hours

Regular Hours

Monday - Thursday	7:30 a.m. - 10:00 p.m.
Friday	7:30 a.m. - 4:00 p.m.
Saturday	Closed
Sunday	2:00 p.m. - 10:00 p.m.

April 27 - May 1, 2026 Hours

Monday - Thursday	7:30 a.m. - 12:00 a.m.
Friday	7:30 a.m. - 5:00 p.m.
Saturday	Closed
Sunday	2:00 p.m. - 10:00 p.m.

Finals Week Hours

Monday - Thursday	7:30 a.m. - 10:00 p.m.
Friday	7:30 a.m. - 6:00 p.m.
Saturday - Sunday	Closed

CONTACT US

✉ E-mail :

askalibrarian@fairmontstate.edu

☎ **Text Us :** 304-908-4289


☎ **TEL :** (Reference)
304-367-4121

☎ **TEL :** (Circulation)
304-367-4733

☎ **FAX :** 304-367-4677

Ruth Ann Musick Library

Fairmont State
University
1201 Locust Avenue,
Fairmont, WV 26554

 **Federal**
Federal Depository Library Program
Depository Library
Program

COMPUTER HELP / TUTOR (LEAD)

Computer/Tech Help :: Information Technology Commons

304-367-4810 | Library 139
help@fairmontstate.edu

Tutoring :: LEAD Center

304-367-4722 | Library 2nd
Floor
lead@fairmontstate.edu

 **Fairmont State Yearbook**

 **The Chronicle of Higher Education**

Last Updated: Apr 22, 2026 6:30 PM

URL: <https://library.fairmontstate.edu/about>

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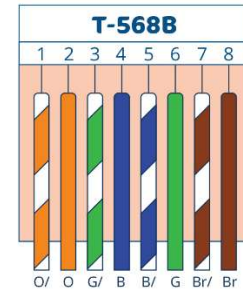


Specifications & Standards

Ethernet Cable Standards

The network infrastructure adheres to the **T568B** Ethernet wiring standard to maintain consistency and compatibility throughout the system.

All installations require a minimum of **Category 6 (Cat-6) cables**, while **Category 6A (Cat 6A) cables** are preferred for enhanced performance and to support future technological advancements.



Ethernet Cable Color Coding

- Blue Ethernet cables: Used for all standard data connections.
- Yellow Ethernet cables: Designated exclusively for Audio/Visual (A/V) connections.
- Red Ethernet cables: Reserved for Fire Alarm system connections.

Access Point (AP) Runs

For wireless access points (APs), it is preferred to provide two Ethernet cable runs per AP to ensure optimal connectivity and redundancy.

Wall Faceplates

Wall faceplates throughout the network are standardized using **ivory-colored plates** paired with **blue jacks**. This combination ensures a uniform and professional appearance at all network access points.



Patch Panels

All patch panels used in the network are **Panduit** rackmount, snap-in models. A consistent labeling system is implemented to facilitate the identification and maintenance of cable connections.

Label Format: XYZZ

Where:

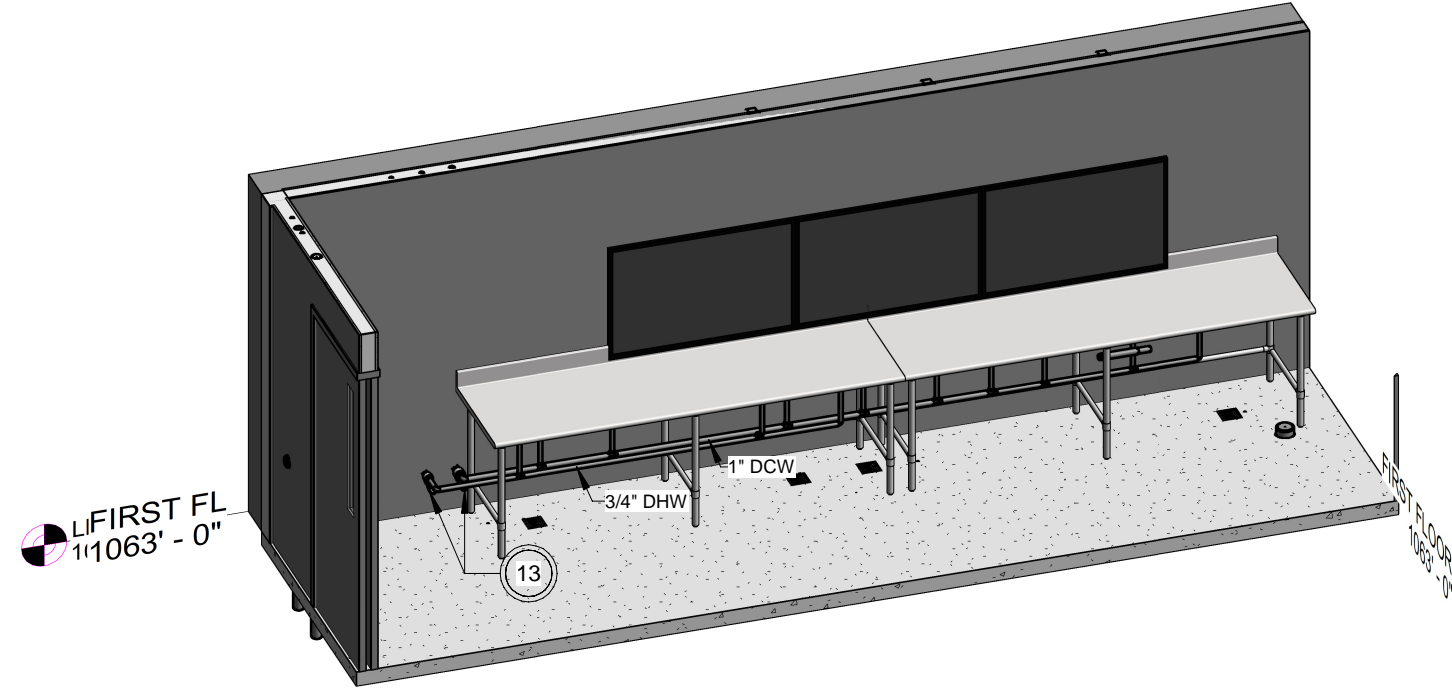
- X: Floor number
- Y: Patch panel number (counted from the top down)
- ZZ: Port number within the patch panel

For example, a cable located on the 2nd floor, connected to the 3rd patch panel from the top, at port 11, would be labeled as **2311**.



Fiber Optic Specifications

Single mode fiber is preferred for new installations to support current and future bandwidth requirements. Single-mode fiber installations must use **OS2** standard cable, multi-mode fiber installations must use the **OM4** standard.

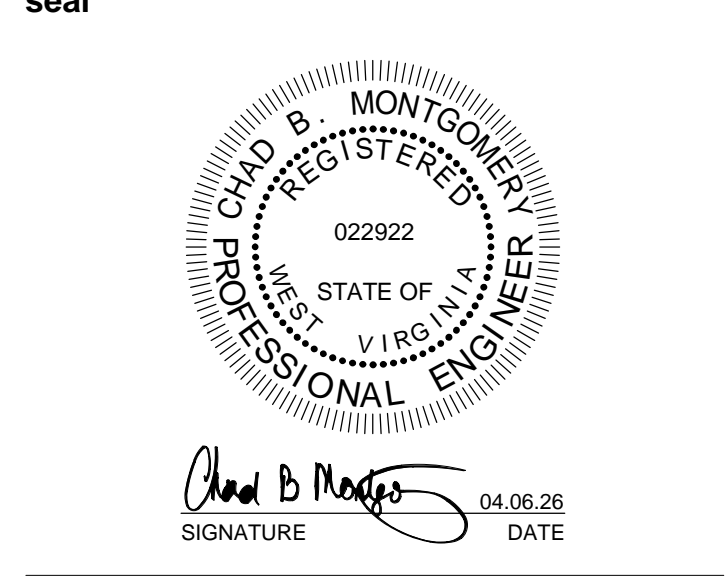


Cafe Piping Arrangement
N.T.S

ROOM LEGEND	
101	COFFEE SHOP
102	WORK ROOM
124	ELECTRICAL
EL01-A	ELV
ST01-A	MAIN STAIR
ST02-A	STAIR B
ST03-A	STAIR C
X100	MAIN LOBBY
X103	MULTIMEDIA
X104	STORAGE
X105	MENS RR
X106	WOMENS RR
X106A	WOMENS VESTIBULE
X107	CORRIDOR
X108	ENTRANCE LOBBY
X109	CORRIDOR
X110	CORRIDOR
X111	SERVICE POINT
X112	TECH/HELP DESK
X113	OFFICE
X114	OFFICE
X115	OFFICE
X116	STUDY
X117	JC
X118	STORAGE
X120	MULTIMEDIA
X121	MECHANICAL
X122	TEACHING & LEARNING COMMONS
X123	OFFICE
X126	SECURE CORRIDOR
X127	STORAGE
X128	IT
X129	OFFICE
X130	STORAGE
X131	OFFICE
X132	JC
X133	STUDY
X137	STUDY
X138	RECEIVING

- PLAN NOTES**
- SEE SHEET P0.1 FOR PLUMBING SYMBOL LEGEND AND PLUMBING GENERAL NOTES.
 - SEE SHEET P4.1 FOR PLUMBING FIXTURE SCHEDULE.
 - SEE SHEET P5.1 FOR PLUMBING DETAILS.
 - CONTRACTOR WILL ALSO NEED TO COORDINATE CUTTING AND PATCHING WITH OWNER. ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS SHALL BE LIMITED TO ONLY AREA REQUIRED FOR INSTALLATION OF NEW WORK. PATCH TO MATCH ALL EXISTING CONSTRUCTION. FIRE/SMOKE RATINGS AND ROOM FINISH. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - OFFSET PIPING AROUND STRUCTURAL MEMBERS, LIGHTING, AND DUCTWORK AS REQUIRED TO MAINTAIN FINAL ROOM DIMENSIONS. COORDINATE EXACT PIPE ROUTING WITH ALL TRADES.
 - INSTALL PLUMBING PIPING AND CONCEAL WITHIN FURRED OUT WALLS AND CHASES. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS.

- CODED NOTES**
- TIE-IN AND INSTALL 1" DHW PIPING WITH BALL VALVE.
 - TIE-IN AND INSTALL 1-1/4" DCW PIPING WITH BALL VALVE.
 - ROUTE 1/2" DCW AND DHW PIPING TO SERVE HAND DUMP SINK. PROVIDE ROUGH-IN AND FINAL CONNECTIONS.
 - ROUTE 1/2" DCW PIPING WITH BALL VALVE BENEATH COUNTER TO SERVE WATER HOOK-UP CONNECTION. EXTEND 1/2" DCW PIPING FROM HOOK-UP BOX (P10-1) TO FILTER TO SERVE ESPRESSO MACHINE. PROVIDE ROUGH-IN AND FINAL CONNECTION.
 - EXTEND 1/2" DCW PIPING BENEATH COUNTER TO SERVE TRAP PRIMER.
 - INSTALL 3/4" DCW AND DHW PIPING WITH A SHOCKSTOP ALONG WITH BALL AND CHECK VALVES TO SERVE THREE-BOWL SINK. PROVIDE ROUGH-IN AND FINAL CONNECTIONS.
 - ROUTE 1/2" DCW PIPING BENEATH COUNTER TO SERVE WATER HOOK-UP CONNECTION. EXTEND 1/2" DCW PIPING FROM HOOK-UP BOX (P10-1) TO FILTER TO SERVE POT FILLER. PROVIDE ROUGH-IN AND FINAL CONNECTION.
 - INSTALL 1/2" DCW AND DHW PIPING WITH BALL AND CHECK VALVES TO SERVE SINGLE-BOWL SINK. PROVIDE ROUGH-IN AND FINAL CONNECTIONS.
 - TIE-IN AND INSTALL 1/2" RDHW PIPING WITH BALANCE VALVE.
 - TIE-IN AND INSTALL 2" DCW, 1" DHW, AND 1/2" RDHW WITH BALL VALVES. INSTALL RDHW PIPING WITH BALANCE VALVE.
 - INSTALL 1/2" DCW PIPING WITH BALL VALVE TO SERVE PITCHER RINSER. PROVIDE ROUGH-IN AND FINAL CONNECTIONS.
 - ROUTE 1/2" DCW PIPING WITH BALL VALVE TO SERVE WATER HOOK-UP CONNECTION. EXTEND 1/2" DCW PIPING FROM HOOK-UP BOX (P10-1) TO FILTER TO SERVE COFFEE MACHINE.
 - EXTEND 1" DCW AND 3/4" DHW PIPING DOWN WITHIN WALL TO 12-INCHES ABOVE FINISHED FLOOR ELEVATION. INSTALL DCW AND DHW PIPING WITH BALL VALVES. PROVIDE PIPE EXIT LOCATIONS WITH ESCUTCHEONS.
 - TIE-IN AND INSTALL 4" GAS PIPING TO SERVE EQUIPMENT.
 - INSTALL 3" GAS PIPING WITH GAS COCK AND C TYPE GAS FILTER TO SERVE BOILER. PROVIDE ROUGH-IN AND FINAL CONNECTIONS.
 - INSTALL DOMESTIC WATER HEATER (PE-2). REFER TO SHEET P5.1 FOR FURTHER INSTRUCTION. COORDINATE PIPING INSTALLATION AND TIE-INS WITH EXISTING UTILITIES WITHIN MECHANICAL ROOM.
 - REMOVE EXISTING HOT WATER CIRCULATION PUMP.
 - INSTALL 1-1/4" G PIPING WITH AN IMAC INLINE GAS FILTER (MODEL: I1250) AND GAS COCK TO SERVE DOMESTIC HOT WATER HEATER.
 - TIE-IN AND INSTALL 1/2" GAS PIPING WITH GAS COCK TO SERVE GENERATOR. REMOVE EXISTING PIPING AS NEEDED FOR NEW GENERATOR. PROVIDE ACCESS TO ROUGH-IN AND FINAL CONNECTIONS.
 - ISOLATION VALVE LOCATIONS SHALL BE MARKED ON ACP TRACK/ CEILING PLAN.
 - INSTALL 2-1/2" GAS PIPING TO SERVE ROOFTOP UNIT ON ROOF. EXTEND PIPING TO FLOOR ABOVE.
 - INSTALL 1-1/2" DCW PIPING WITH SHUTOFF VALVE AND REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY AND CAP POS. EXTENSION BY H.C. COORDINATE WORK WITH H.C. ROUTE PULL SINK DRAIN TO NEARBY SINK.
 - EXTEND 4" COMBUSTION AIR FROM WATER HEATER OUT INDICATED EXTERIOR WALL AND INSULATE. TERMINATE WITH 45 DEGREE ELBOW DOWN.
 - EXTEND 4" VENT PIPING FROM WATER HEATER AND ROUTE WITHIN CHIMNEY SPACE AND EXTEND TO ROOF.



client
Fairmont State University
1201 Locust Drive
Fairmont, WV 26554
Phone: (304) 367-4110

mechanical / electrical engineers
Scheeser Buckley Mayfield, LLC
1208 Massillon Rd. Suite G200
Akron, OH 44306
Phone: (330) 526-2700

structural engineer
SMBH Inc.
1166 Dublin Road
Columbus, OH 43215
Phone: (614) 481-9800

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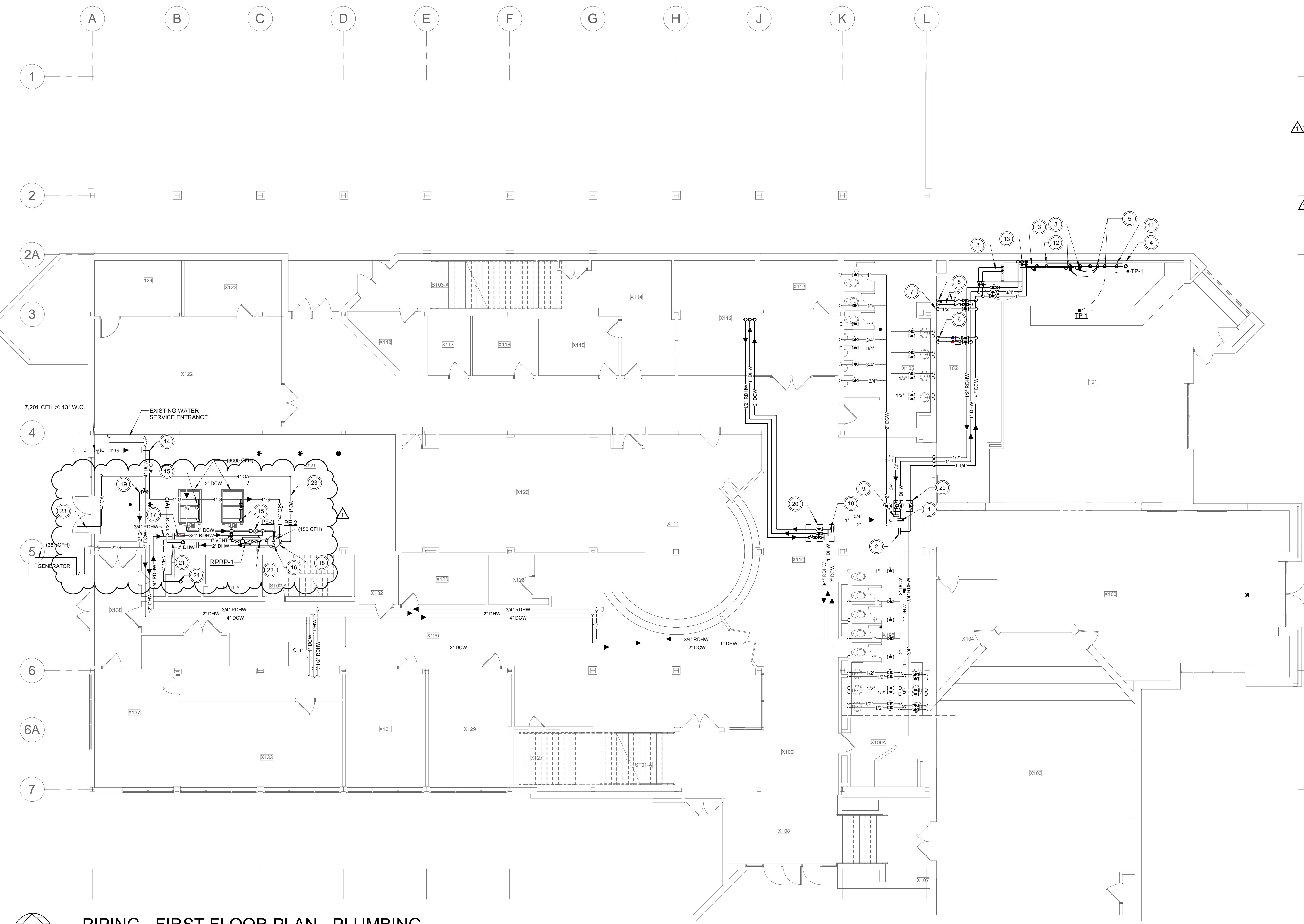
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PIPING - FIRST FLOOR PLAN - PLUMBING

date
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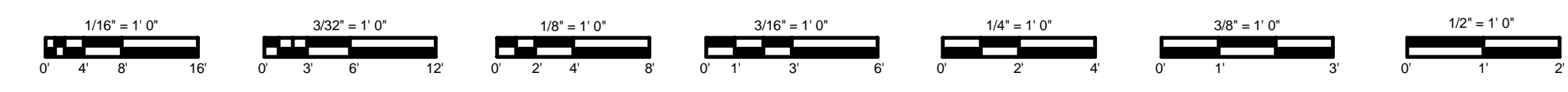
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PIPING - FIRST FLOOR PLAN - PLUMBING
1/8" = 1'-0"

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client

Fairmont State University
1201 Locust Drive
Fairmont, WV 26554
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PIPING - SECOND FLOOR PLAN - PLUMBING

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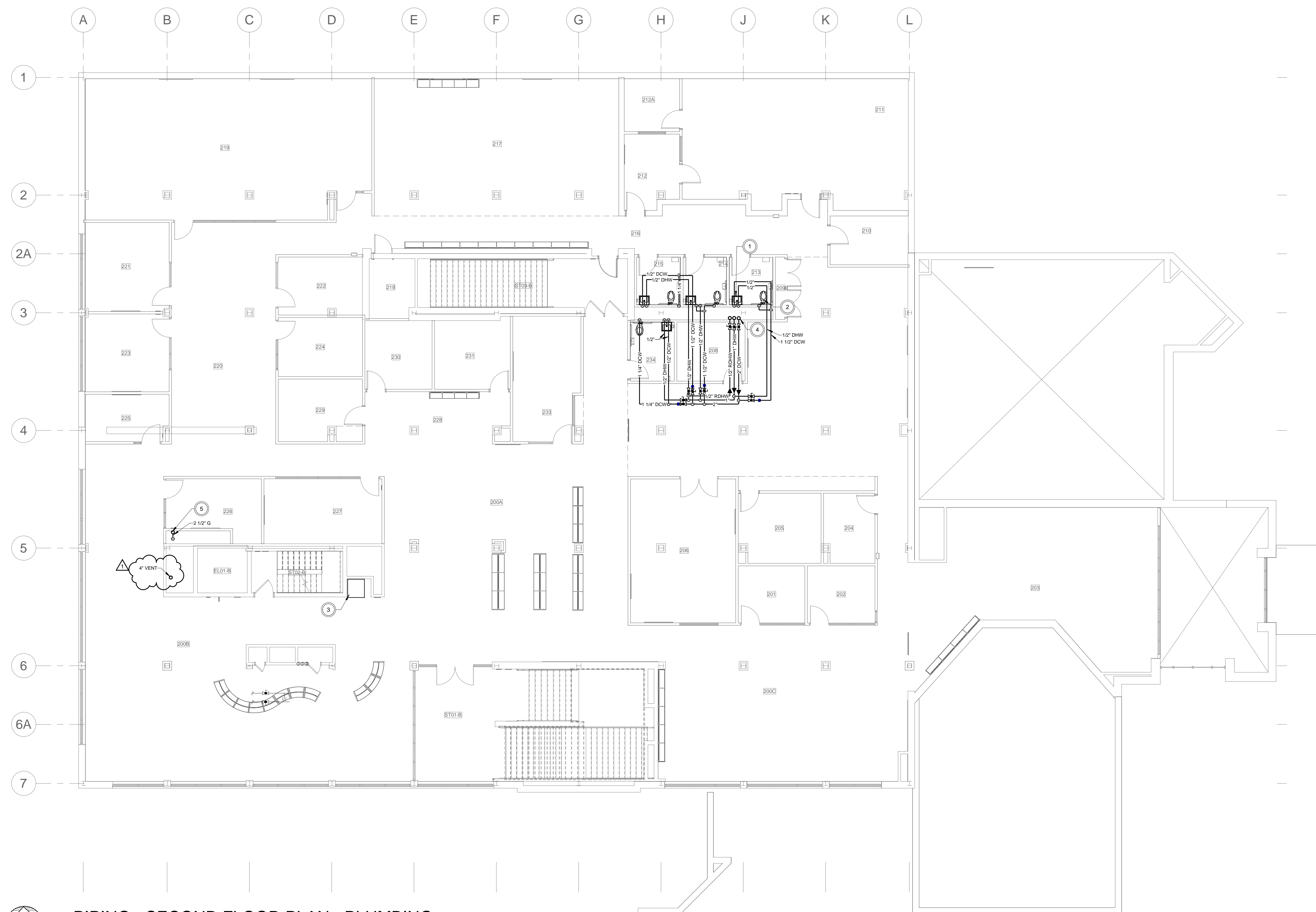
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P3.2

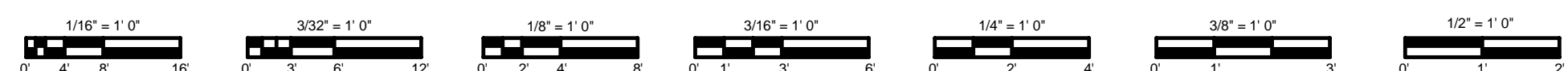
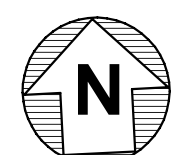
ROOM LEGEND	
200A	GENERAL SEATING CENTRAL
200B	GENERAL SEATING SOUTHWEST
200C	GENERAL SEATING SOUTHEAST
201	HONORS OFFICE
202	HONORS OFFICE
203	HONORS
204	LEAD OFFICE
205	LEAD DIR
206	LEAD WORK ROOM
208	LEAD AST DIR
209	ELEC
210	JIT
211	TESTING
212	PROCTOR
212A	SM TEST
213	RR
214	RR
215	RR
216	CORRIDOR
217	GAMING & SEATING
218	STORAGE
219	CLASSROOM
220	STUDY NOOK
221	STUDY
222	MIDDLE COLLEGE
223	STUDY
224	MIDDLE COLLEGE
225	STUDY
226	STUDY
228	FLEX STUDY/OFFICE
227	CONFERENCE
228	SERVICE POINT
229	OFFICE
230	OFFICE
231	OFFICE
232	CORRIDOR
233	ANATOMY
234	RR
EL01-B	ELEV
ST01-B	MAIN STAIR
ST02-B	STAIR B
ST03-B	STAIR C

PLAN NOTES	
A.	SEE SHEET P0.1 FOR PLUMBING SYMBOL LEGEND AND PLUMBING GENERAL NOTES.
B.	SEE SHEET P4.1 FOR PLUMBING FIXTURE SCHEDULE.
C.	SEE SHEET P5.1 FOR PLUMBING DETAILS.
D.	CONTRACTOR WILL ALSO NEED TO COORDINATE CUTTING AND PATCHING WITH OWNER. ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS SHALL BE LIMITED TO ONLY AREA REQUIRED FOR INSTALLATION OF NEW WORK. PATCH TO MATCH ALL EXISTING CONSTRUCTION. FIRE/SMOKE RATINGS AND ROOM FINISH. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
E.	OFFSET PIPING AROUND STRUCTURAL MEMBERS, LIGHTING, AND DUCTWORK AS REQUIRED TO MAINTAIN FINAL ROOM DIMENSIONS. COORDINATE EXACT PIPE ROUTING WITH ALL TRADES.
F.	INSTALL PLUMBING PIPING AND CONCEAL WITHIN FURRED OUT WALLS AND CHASES. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS.

CODED NOTES	
1.	INSTALL 1/2" DCW AND DHW PIPING TO SERVE LAVATORY (TYPICAL).
2.	INSTALL 1-1/4" DCW PIPING WITH SHOCK STOP TO SERVE WATER CLOSET (TYPICAL).
3.	REWORK EXISTING DCW PIPING TO BE CONCEALED BY EXISTING WATER COOLER.
4.	EXTEND 2" DCW, 1" DHW, AND 1/2" RDHW PIPING FROM CHASE AND INSTALL WITH BALL VALVES.
5.	EXTEND 2-1/2" GAS PIPING TO SERVE ROOF TOP UNIT.



PIPING - SECOND FLOOR PLAN - PLUMBING
1/8" = 1'-0"



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ROOM LEGEND	
ST01-C	MAIN STAIR
ST03-B	STAIR B
X139	ELEC
X306	EXIST RR
X307	EXIST RR
X308	EXIST MEN RR
X309	EXIST WOMEN RR

PLAN NOTES

A. SEE SHEET P0.1 FOR PLUMBING SYMBOL LEGEND AND PLUMBING GENERAL NOTES.

B. SEE SHEET P4.1 FOR PLUMBING FIXTURE SCHEDULE.

C. SEE SHEET P5.1 FOR PLUMBING DETAILS.

D. CONTRACTOR WILL ALSO NEED TO COORDINATE CUTTING AND PATCHING WITH OWNER. ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS SHALL BE LIMITED TO ONLY AREA REQUIRED FOR INSTALLATION OF NEW WORK. PATCH TO MATCH ALL EXISTING CONSTRUCTION, FIRE/SMOKE RATINGS AND ROOM FINISH. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

E. OFFSET PIPING AROUND STRUCTURAL MEMBERS, LIGHTING, AND DUCTWORK AS REQUIRED TO MAINTAIN FINAL ROOM DIMENSIONS. COORDINATE EXACT PIPE ROUTING WITH ALL TRADES.

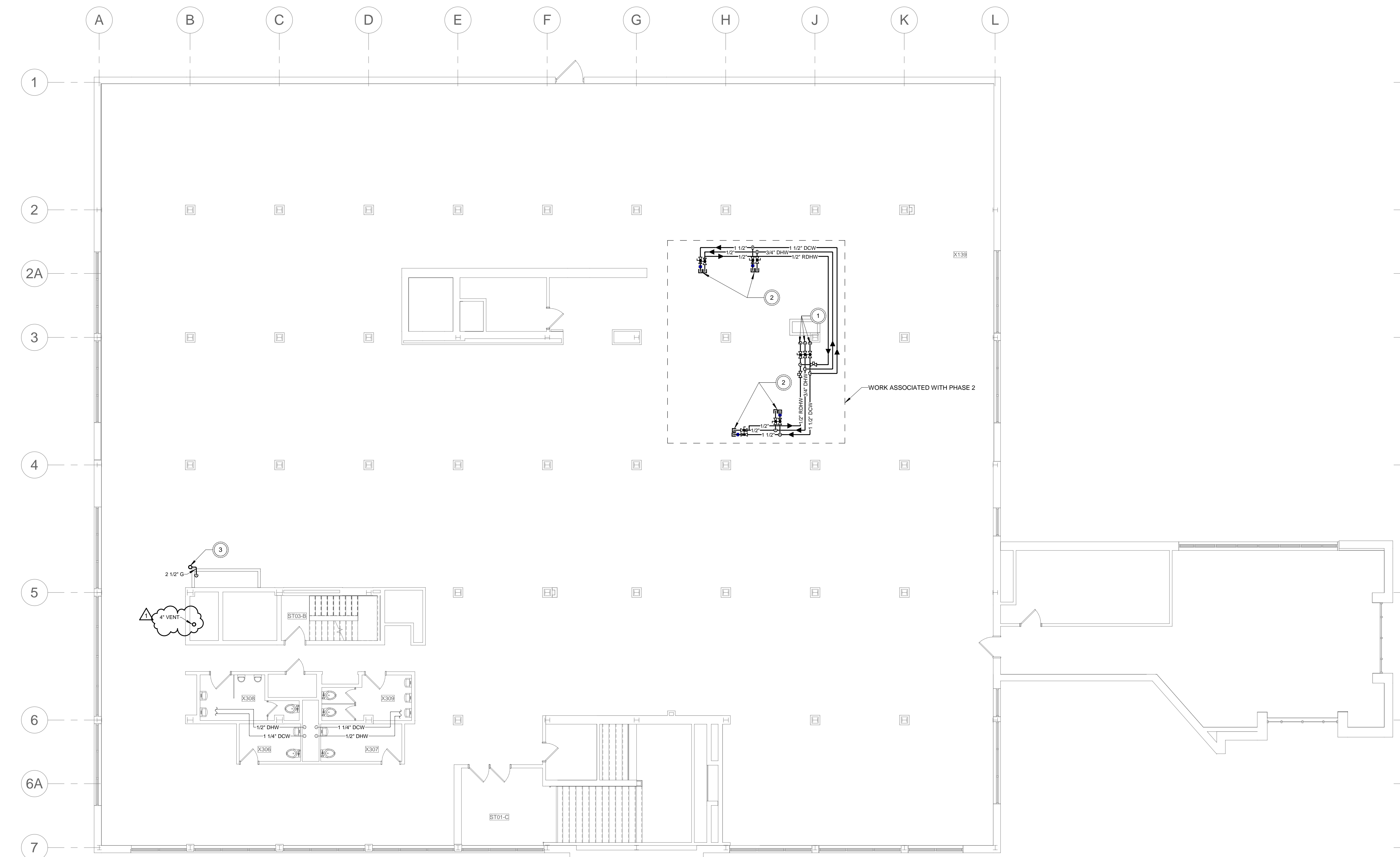
F. INSTALL PLUMBING PIPING AND CONCEAL WITHIN FURRED OUT WALLS AND CHASES. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS.

CODED NOTES

1. INSTALL 2" DCW, 1" DHW, AND 1/2" RDHW PIPING WITH BALL VALVES.

2. INSTALL 1-1/2" DCW, 1/2" DHW, AND 1/2" RDHW PIPING AS NOTED TO SERVE RESTROOMS UNDER FUTURE PHASE WORK.

3. EXTEND 2-1/2" GAS PIPING FROM LEVEL BELOW AND OFFSET WITHIN CEILING SPACE. EXTEND GAS PIPING THROUGH ROOF AND INSTALL WITH WATER TIGHT SEAL.



SILLING
 405 Capitol Street, Upper Atrium
 Charleston, West Virginia 25301
 Phone 304.346.0565
 www.silling.com

HBM
 ARCHITECTURE
 INTERIOR DESIGN
 1382 W Ninth Street, Suite 300
 Cleveland, Ohio 44113
 Phone 216.241.1101
 www.hbmarchitects.com

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client
 Fairmont State University
 1201 Locust Drive
 Fairmont, WV 26554
 Phone: (304) 367.4110

mechanical / electrical engineers
 Scheeser Buckley Mayfield, LLC
 1208 Massillon Rd. Suite G200
 Akron, OH 44306
 Phone: (330) 526-2700

structural engineer
 SMBH Inc.
 1166 Dublin Road
 Columbus, OH 43215
 Phone: (614) 481-9800

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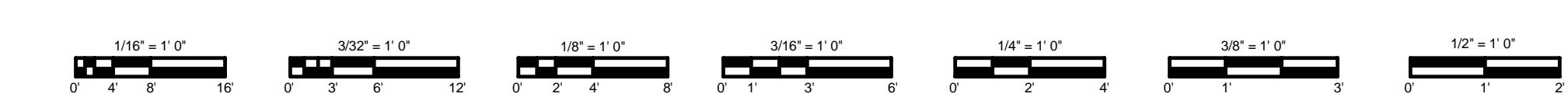
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 PIPING - THIRD FLOOR PLAN - PLUMBING

date
 04.06.2026

sheet number
P3.3

PIPING - THIRD FLOOR PLAN - PLUMBING
 1/8" = 1'-0"



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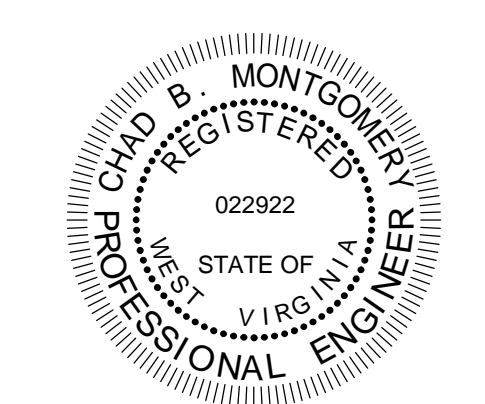
PLAN NOTES

- A. SEE SHEET P0.1 FOR PLUMBING SYMBOL LEGEND AND PLUMBING GENERAL NOTES.
- B. SEE SHEET P4.1 FOR PLUMBING FIXTURE SCHEDULE.
- C. SEE SHEET P5.1 FOR PLUMBING DETAILS.
- D. SEE SHEET P6.1 FOR SANITARY ISOMETRIC.
- E. CONTRACTOR WILL ALSO NEED TO COORDINATE CUTTING AND PATCHING WITH OWNER. ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS SHALL BE LIMITED TO ONLY AREA REQUIRED FOR INSTALLATION OF NEW WORK. PATCH TO MATCH ALL EXISTING CONSTRUCTION, FIRE-SMOKE RATINGS AND ROOM FINISH. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- F. OFFSET PIPING AROUND STRUCTURAL MEMBERS, LIGHTING, AND DUCTWORK AS REQUIRED TO MAINTAIN FINAL ROOM DIMENSIONS. COORDINATE EXACT PIPE ROUTING WITH ALL TRADES.
- G. INSTALL PLUMBING PIPING AND CONCEAL WITHIN FURRED OUT WALLS AND CHASES. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS.
- H. PLUMBING PIPING SHOWN ON THIS SHEET IS LOCATED WITHIN RESPECTIVE FLOOR/CEILING SPACE UNLESS NOTED OTHERWISE. PLUMBING PIPING DENOTED WITH "U" IS LOCATED "UNDER" FLOOR.
- I. ALL CLEANOUTS INSTALLED IN CEILING SPACE ARE TO BE EASILY ACCESSIBLE ABOVE LAY-IN CEILING TILES. COORDINATE WITH ARCHITECTURAL PLANS.

CODED NOTES

- 1. 4" VENT THROUGH ROOF. SEE VENT PIPE CURB DETAIL ON SHEET P5.1 FOR FURTHER INSTRUCTION.
- 2. EXTEND AND INSTALL 2-1/2" GAS PIPING THROUGH ROOF.
- 3. INSTALL GAS PIPING WITH PROPER ROOF SUPPORTS. SEE DETAIL ON SHEET P5.1.
- 4. INSTALL GAS PIPING WITH GAS COCK AND C TYPE IN-LINE GAS FILTER. PROVIDE ROUGH-IN AND FINAL CONNECTIONS.
- 5. TERMINATE WATER HEATER VENT FLUE THROUGH ROOF PER MANUFACTURER'S RECOMMENDATION.

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Chad B. Neugebauer
SIGNATURE DATE 04.06.26

client

Fairmont State University
1201 Locust Drive
Fairmont, WV 26554
Phone: (304) 367.4110

mechanical / electrical engineers

Scheeser Buckley Mayfield, LLC
1208 Massillon Rd. Suite G200
Akron, OH 44306
Phone: (330) 526-2700

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1166 Dublin Road
Columbus, OH 43215
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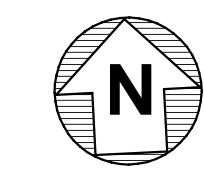
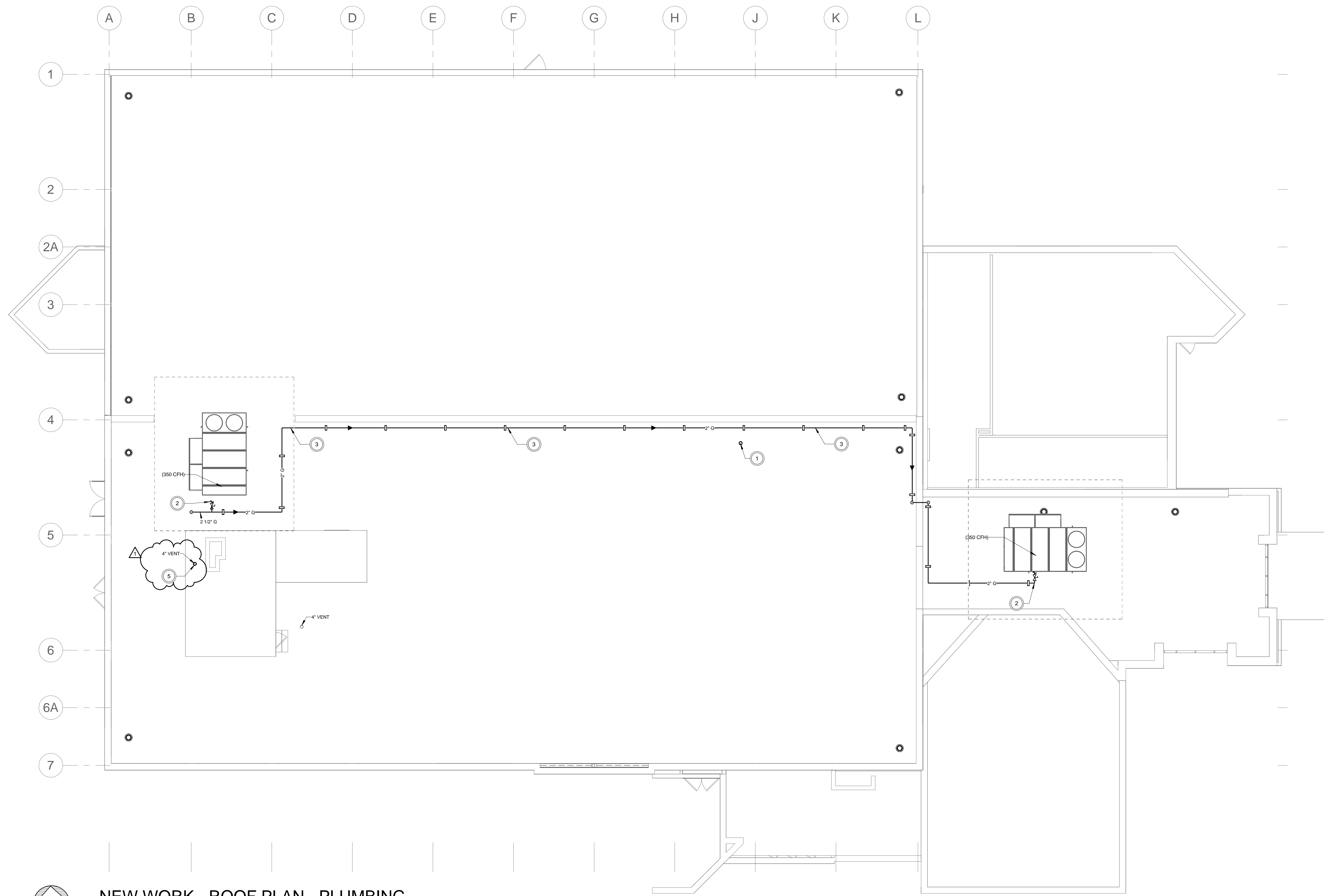
NEW WORK - ROOF PLAN - PLUMBING

date

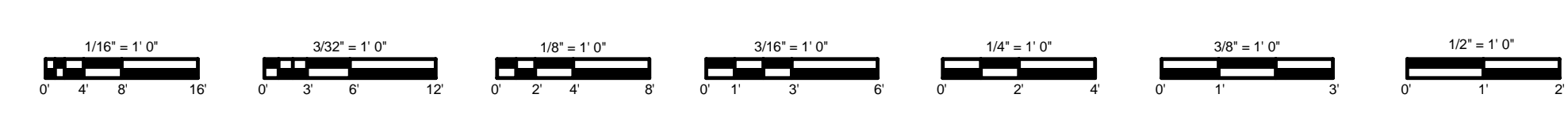
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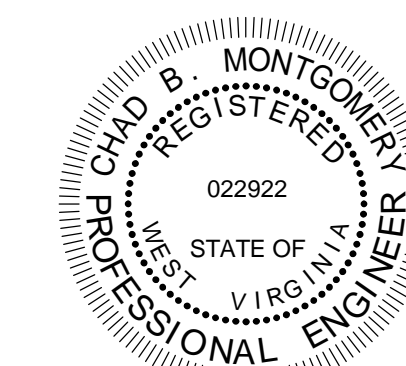
NEW WORK - ROOF PLAN - PLUMBING
1/8" = 1'-0"



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Chad B. Neugebauer
 SIGNATURE DATE 04.06.26

client

Fairmont State University
 1201 Locust Drive
 Fairmont, WV 26554
 Phone: (304) 367.4110

mechanical / electrical engineers

Scheeser Buckley Mayfield, LLC
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 Akron, OH 44306
 Phone: (330) 526-2700

structural engineer

SMBH Inc.
 1166 Dublin Road
 Columbus, OH 43215
 Phone: (614) 481-9800

project

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SCHEDULES - PLUMBING

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P4.1

PLUMBING FIXTURE SCHEDULE

NOTES:
 a1. "OLSONITE" NO. 1950 OPEN FRONT ELONGATED SEAT WITH PLASTIC SEAT COVER AND SELF-SUSTAINING CHECK HINGES
 a2. "SLOAN" MODEL: 8111 MC-1-28-CP, 1.28 GPF POLISHED CHROME FINISH, SINGLE FLUSH, BATTERY POWERED, SENSOR OPERATED FLUSH VALVE
 a3. "POWERS" MODEL: LFLM85 ASSE, 1.07 COMPLIANT THERMOSTATIC POINT OF USE MIXING VALVE
 a4. "SLOAN" MODEL: EAF-150-BAT-CP-0.5GPM-AER-KO-FCT, 0.5 GPM CENTER HOLE BATTERY POWERED FAUCET WITH AERATED SPRAY, INFARED SENSOR, AND CHROME FINISH
 b1. "CHICAGO FAUCET" NO. 327A STRAINER W/ 1-1/4" TAILPIECE
 c1. 1-1/4" CHROME PLATED CAST BRASS P-TRAP W/ CLEANOUT
 d1. "CHICAGO FAUCET" NO. 1017 LOOSE KEY ANGLE STOPS AND 3/8" O.D. FLEXIBLE RISERS AND WALL FLANGE

MARK NO.	DESCRIPTION	MAKE	MODEL	SIZE	TRIM	DRAINAGE		WATER		CARRIER	REMARKS
						W.P.	V.P.	CW	HW		
P1-1	WATER CLOSET (BARRIER FREE)	AMERICAN STANDARD	MADERA FLOWWISE MODEL: 3043.001		a1.a2	4"	2"	1-1/4"	-	-	FLOOR MOUNT FLOOR OUTLET VITREOUS CHINA WATER CLOSET WITH A RIM HEIGHT OF 17" ABOVE FINISHED FLOOR ELEVATION, AN ELONGATED BOWL, TOP SPUD INLET, AND 1.28 GPF.
P3-1	LAVATORY	AMERICAN STANDARD	DECORUM	20"x18-1/4"	a3.a4.b1.c1.d1	2"	1-1/2"	1/2"	1/2"	WADE 520 SERIES	VITREOUS CHINA FRONT OVERFLOW, FAUCET LEDGE, BARRIER FREE LAVATORY WITH CENTER FAUCET HOLE.
P9-1	CONDENSATE AIR GAP BOX	ACORN	8200-1	-	-	2"	1-1/2"	-	-	-	TYPE 304 STAINLESS STEEL WASTE BOX WITH LOCKABLE COVER PLATE, EXTEND IMPROCT WASTE LINE FROM SPLIT SYSTEM CONDENSATE THROUGH ONE OPENING (FIELD FABRICATED).
P10-1	WATER HOOKUP BOX	GUY GRAY	SSIB1AB	-	-	-	-	1/2"	-	-	TYPE 304 STAINLESS STEEL LEAD FREE WATER HOOKUP BOX WITH QUARTER SWEAT VALVES

PLUMBING EQUIPMENT SCHEDULE

NOTES:

MARK. NO.	DESCRIPTION	MAKE/MODEL/SIZE	REMARKS
PE-1	GREASE INTERCEPTOR	SCHIER MODEL: GB2	HYDROMECHANICAL GREASE INTERCEPTOR HAVING A LIQUID CAPACITY OF 20 GALS AND A GREASE CAPACITY OF 120 LBS @ 35GPM. SEAMLESS ROTATIONALLY-MOLDED POLYETHYLENE BODY, FIELD CUT RISER SYSTEM, BUILT-IN FLOW CONTROL COVER TO HAVE WATER/GAS TIGHT SEAL WITH MINIMUM 40 LBS LOAD CAPACITY. MAXIMUM OPERATING TEMPERATURE OF 150 DEGREES. ASME #112.14.3 AND CSA B601.1 COMPLIANT. FINISHED WITH END FITTING CAPTERS AND PENETRATION TIGHT COVER. UNIT TO BE ORDERED WITH OUTLET FITTING FOR GREASE INTERCEPTOR HAVING DIMENSIONS OF 24" X 24" X 48" WITH 4" INLET AND OUTLET CONNECTIONS BELOW FLOOR. INSTALL GASKETTED POLYURETHANE GROMMETS TO PROTECT FROM GREASE INTERCEPTOR.
PE-2	DOMESTIC WATER HEATER	A.O. SMITH BTH-150(A)	100 GALLON CAPACITY GAS FIRED UNIT WITH A RECOVERY CAPACITY OF 178 GPH AT A TEMPERATURE RISE OF 100 DEG. F. WITH AN INPUT RATING OF 150,000 BTU/HR. SET TEMPERATURE AT 140 DEG. F. WATER HEATER MANUFACTURER TO FURNISH TEMPERATURE AND PRESSURE RELIEF VALVE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS PROVIDE WITH UNIONS AND TEMPERATURE GAUGES AT WATER INLET AND OUTLET. UNIT TO BE ASME RATED AND CAPABLE OF BOTH HORIZONTAL AND VERTICAL, SEALED VENTING. CONTROL VOLTAGE OF 120 VOLT, 1-PHASE, AND 1/2 HP BLOWER MOTOR 120 VOLT, 1-PHASE. COORDINATE ELECTRICAL REQUIREMENTS WITH E.C. PROVIDE WITH CONCENTRIC VENT KIT FOR AIR INTAKE AND FLE EXHAUST FOR THROUGH-THE-WALL INSTALLATION. THE PLUMBING CONTRACTOR SHALL PAINT THE CONCENTRIC VENT TERMINATION WITH HIGH TEMPERATURE BLACK PAINT. THE PVC FLE AND COMBUSTION AIR PIPING SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WITH NEUTRALIZATION KITS.
PE-3	EXPANSION TANK	ST12C	EXPANSION TANK SHALL BE ASME RATED AND HAVE AN ACCEPTANCE VOLUME OF 3.2 GALLONS AT ATMOSPHERIC PRESSURE AND A TOTAL STORAGE CAPACITY OF 6.4 GALLONS. TANK SHALL HAVE A 3/4" INLET CONNECTION AND BE RECOMMENDED TO 55 PSIG.

DRAINS AND CLEANOUTS SCHEDULE

NOTES:

MARK. NO.	DESCRIPTION	MAKE/MODEL/SIZE	REMARKS
FD-1	FLOOR SINK	ZURN MODEL: Z1750	12" SQUARE FLOOR SINK WITH 6" DEEP SUMP, 16 GAGE TYPE 304 STAINLESS STEEL, WITH 1/2" TRAP PRIMER CONNECTION, 3/4" GRATE AND 4" DEEP SEAL TRAP. COORDINATE WITH FOOD SERVICE EQUIPMENT DRAWINGS THE GRATING TYPE.
FW/FCO	FLUSH WITH FLOOR CLEANOUT	ZURN	CAST IRON FLOOR CLEANOUT WITH SPIGOT OUTLET FOR "NO-HUB" OR "TY-SEAL" CONNECTION, THREADED ADJUSTIBLE HOUSING, FLANGED FERRULE WITH PLUG AND ROUND SECURED NICKEL BRONZE TOP. TOP TO MATCH FINISHED FLOOR AREA.
TP-1	TRAP PRIMER	PRECISION PLUMBING PRODUCTS MODEL: PR-50	TRAP PRIMER VALVE AUTOMATICALLY OPERATES WITH A 3 PSI PRESSURE DROP IN DOMESTIC COLD WATER PIPING. SEE FLOOR PLANS FOR PRIMER LINE EXTENSION(S) DRAIN(S).

NATURAL GAS LOAD

STATUS	EQUIPMENT	QUANTITY	EXISTING TO BE REMOVED (CFH)	NEW INPUT BTU (CFH)	MIN. NATURAL GAS PRESSURE (W.C.)	MAX. NATURAL GAS PRESSURE (W.C.)
DEMO	BOILER (B-1)	1	3,000	-	7	14
DEMO	GENERATOR	1	1,600	-	7	11
DEMO	WATER HEATER	1	75.1	-	5	14
NEW	WATER HEATER (PE-2)	1	-	150	3.5	14
NEW	GENERATOR	1	-	1,600	6	13
NEW	ROOFTOP UNIT (RTU-3)	1	-	350	5	13.5
NEW	ROOFTOP UNIT (RTU-4)	1	-	350	5	13.5
NEW	BOILER (B-1)	1	-	3,000	3.5	14
NEW	BOILER (B-2)	1	-	3,000	3.5	14
TOTAL:	-	6	4675.1	7,231	7	14

NOTES:
 1. EXISTING DATA FOR GAS FIRED EQUIPMENT HAS BEEN GATHERED FROM MOST READY AVAILABLE DRAWINGS / DOCUMENTS.
 2. REFER TO FLOOR PLANS AND SCHEDULES FOR FURTHER INFORMATION IN REGARD TO NEWLY ADDED EQUIPMENT.

GAS FILTER SCHEDULE

STATUS	EQUIPMENT	QUANTITY	NEW INPUT BTU (CFH)	PRESSURE DROP (W.C.)	MAX. OPERATING PRESSURE (PSI)	GAS FILTER MANUFACTURER / MODEL
NEW	WATER HEATER (PE-2)	1	120	0.4	90	IMAC MODEL: I1250
NEW	GENERATOR	1	934	0.4	90	ELEKTROGAS MODEL: FG6
NEW	ROOFTOP UNIT (RTU-3)	1	350	0.4	90	ELEKTROGAS MODEL: FG53
NEW	ROOFTOP UNIT (RTU-4)	1	350	0.4	90	ELEKTROGAS MODEL: FG53
NEW	BOILER (B-1)	1	3,000	0.4	90	ELEKTROGAS MODEL: FG7
NEW	BOILER (B-2)	1	3,000	0.4	90	ELEKTROGAS MODEL: FG7

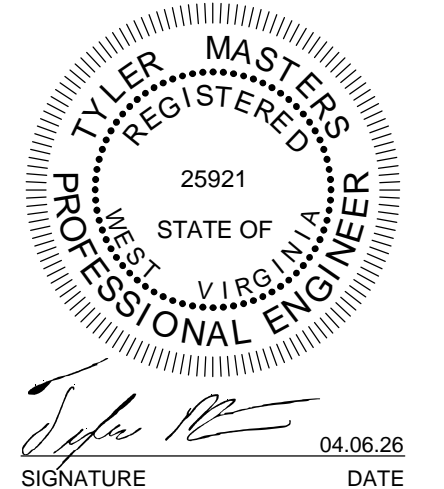
NOTES:
 1. GAS FILTERS HAVE BEEN SCHEDULED BASED UPON THE INPUT CFH OF THE EQUIPMENT AND THE PRESSURE DROP OF THE NATURAL GAS.
 2. SEE MECHANICAL AND PLUMBING SHEETS FOR LOCATIONS OF EQUIPMENT.
 3. REFER TO EQUIPMENT DETAILS FOR FILTER INSTALLATION INFORMATION.

BACKFLOW PREVENTER SCHEDULE

NOTES:
 1. SEE FLOOR PLANS FOR LOCATIONS.
 2. R.P.B.P. = REDUCED PRESSURE BACKFLOW PREVENTER
 3. D.C.D.A. = DOUBLE CHECK DETECTOR ASSEMBLY
 4. D.C.V. = DOUBLE CHECK VALVE
 5. D.D.C.V. = DOUBLE DETECTOR CHECK VALVE
 6. R.P.B.P. TO BE FURNISHED WITH AIR GAP DEVICE AND DRAIN TO REMAIN FULL PORT SIZE. EXTEND DRAIN TO NEAREST FLOOR DRAIN...

NO.	MAKE	MODEL	BFP SIZE	BFP MAX GPM	MAX PRESSURE LOSS (PSIG)	MAX WORKING PRESSURE (PSIG)	RATED GPM FLOW (PSIG)	SERVICE	REMARKS
RPBP-1	ZURN	975XL2	1"	70	11	175	50	MECHANICAL EQUIPMENT	REDUCED PRESSURE BACKFLOW PREVENTER WITH AN OVERALL LENGTH OF 18 INCHES. PROVIDE WITH Y-STRAINER WITH BLOW DOWN.

seal



client

Fairmont State University
1201 Locust Drive
Fairmont, WV 26554
Phone: (304) 367.4110

mechanical / electrical engineers

Scheeser Buckley Mayfield, LLC
1208 Massillon Rd. Suite G200
Akron, OH 44306
Phone: (330) 526-2700

structural engineer

SMBH Inc.
1166 Dublin Road
Columbus, OH 43215
Phone: (614) 481-9800

project

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CONSTRUCTION DOCUMENTS 04.06.26

revisions

1 ADDENDUM 01 04.24.2026

title

POWER RISER DIAGRAMS - ELECTRICAL

date

04.06.2026

sheet number

E5.1

PLAN NOTES

A. THE EXISTING RISER DIAGRAM IS BASED OFF OF EXISTING DRAWINGS AND SITE OBSERVATIONS. EXISTING EQUIPMENT LABELING IS INCONSISTENT. CONTRACTOR SHALL FIELD VERIFY CONFIGURATION OF EXISTING ELECTRICAL DISTRIBUTION AND REPORT DISCREPANCIES TO THE ARCHITECT.

B. ONLY FEEDERS TAGGED WITH "AL" SHALL BE ALUMINUM CONDUCTORS. ALL OTHERS SHALL BE COPPER CONDUCTORS.

C. WHERE INDICATED, FURNISH CIRCUIT BREAKERS WITH INDEPENDENTLY ADJUSTABLE TRIP UNIT AS FOLLOWS:
L = LONG-TIME PICK-UP, LONG-TIME DELAY
S = SHORT-TIME PICK-UP, SHORT-TIME DELAY
I = INSTANTANEOUS PICK-UP
WHERE NO ADJUSTMENTS ARE SHOWN, THERMAL MAGNETIC BREAKERS ARE TO BE PROVIDED.

D. REFER TO STANDARD FEEDER SCHEDULE FOR FEEDER SIZES.

E. PROVIDE SELECTIVE COORDINATION FOR THE EMERGENCY GENERATOR DISTRIBUTION SYSTEM OVER THE RANGE OF AVAILABLE FAULT CURRENTS CALCULATED FOR THE SYSTEM.

DEMOLITION CODED NOTES

D1. EXISTING TRANSFORMER AND METER TO REMAIN.

D2. EXISTING UNDERGROUND SERVICE CONDUCTORS TO BE REMOVED. CONDUITS MAY BE ABANDONED IN PLACE.

D3. EXISTING PRIMARY CONDUCTORS AND CONDUIT TO REMAIN.

D4. REMOVE PANEL INTERIOR COVER AND ASSOCIATED FEEDER. MAINTAIN PANEL TUB AND BRANCH CIRCUIT WIRING. PANEL TUB TO BE USED FOR RETROFIT PANEL - REFER TO NEW WORK POWER RISER DIAGRAM.

D5. PANEL IS MOUNTED TO THE SIDE OF THE SWITCHBOARD. REMOVE PANEL AND PULL EXISTING CIRCUITS BACK TO CEILING SPACE FOR EXTENSION UNDER NEW WORK. PANEL CONTAINS THE FOLLOWING LOADS BASED ON FIELD OBSERVATION:
- 20A/1P FOR CHILLER BARREL HEAT
- 20A/1P FOR EXHAUST FAN
- (2) 30A/3P FOR CHILLER HEAT TRACE
CONTRACTOR TO VERIFY ALL LOADS AND REPORT DISCREPANCIES TO ARCHITECT.

D6. EXISTING FEEDER TO BE INTERCEPTED TO BE EXTENDED TO NEW MAIN SWITCHBOARD. REFER TO NEW WORK POWER RISER.

D7. GENERATOR, TRANSFER SWITCH, AND ANNUNCIATOR PANEL SHALL BE REMOVED AND RETURNED TO THE OWNER.

D8. EXISTING FEEDER CONDUIT BETWEEN GENERATOR AND ATS MAY BE REUSED.

D9. PANEL IS MOUNTED TO THE SIDE OF THE SWITCHBOARD. REMOVE PANEL AND PULL EXISTING CIRCUITS BACK TO CEILING SPACE FOR EXTENSION UNDER NEW WORK. PANEL CONTAINS THE FOLLOWING LOADS BASED ON FIELD OBSERVATION:
- 20A/1P FOR CHILLER BARREL HEAT
- 20A/1P FOR EXHAUST FAN
- (2) 30A/3P FOR CHILLER HEAT TRACE
CONTRACTOR TO VERIFY ALL LOADS AND REPORT DISCREPANCIES TO ARCHITECT.

D10. REMOVE EXISTING FEEDERS BACK TO EXTERIOR WALL. LEAVE ENOUGH CONDUCTOR SLACK TO EXTEND INTO NEW SWITCHBOARD WITHOUT SPLICING. FIELD VERIFY EXISTING CONDUCTOR SIZE AND TYPE.

NEW WORK CODED NOTES

N1. NEW RETROFIT PANEL INSIDE EXISTING TUB. PROVIDE NEW COVER.

N2. EXTEND EXISTING BRANCH CIRCUITS FROM OLD PANEL PP-1. COORDINATE EXACT QUANTITY AND SIZES OF CONDUITS IN FIELD.

N3. COORDINATE BREAKER SIZE WITH SPD MANUFACTURER. REVISE FEEDER SIZE TO MATCH BREAKER SIZE RECOMMENDED BY MANUFACTURER.

N4. EXTERNALLY-MOUNTED SURGE PROTECTION DEVICE LOCATED ON TOP OR SIDE OF DISTRIBUTION PANEL. REFER TO SPECIFICATIONS.

N5. MINIMIZE CONDUCTOR LENGTH AS MUCH AS POSSIBLE.

N6. PROVIDE NAMEPLATE ON MSWB INDICATING THE CALCULATED AVAILABLE FAULT CURRENT.

N7. PORTABLE GENERATOR CONNECTION BOX IN NEMA 3R ENCLOSURE. REFER TO SPECIFICATIONS.

N8. PROVIDE NEW PULLBOX IN SAME LOCATION. ORIENT COVER TO AVOID SERVICE CONDUITS.

N9. EXTEND EXISTING FEEDERS INTO NEW SWITCHBOARD AND TERMINATE.

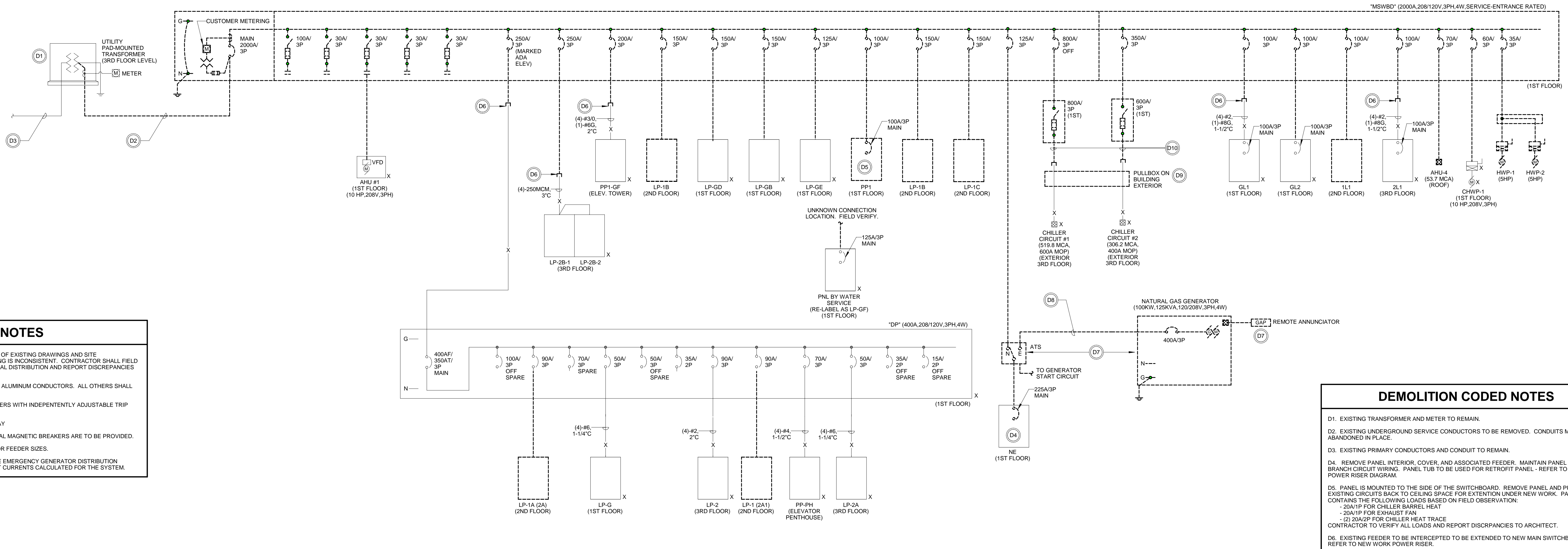
N10. CONNECT NEW SERVICE FEEDERS INTO EXISTING TRANSFORMER IN PARALLEL WITH EXISTING SERVICE FEEDERS. ONCE ALL EXISTING LOADS ARE TRANSFERRED TO THE NEW SERVICE, DISCONNECT THE EXISTING FEEDERS. COORDINATE ALL REQUIREMENTS WITH THE UTILITY.

N11. USE PVC WHERE INSTALLED UNDERGROUND. USE GRC WHERE INSTALLED EXPOSED ON THE ROOF OF THE TUBES.

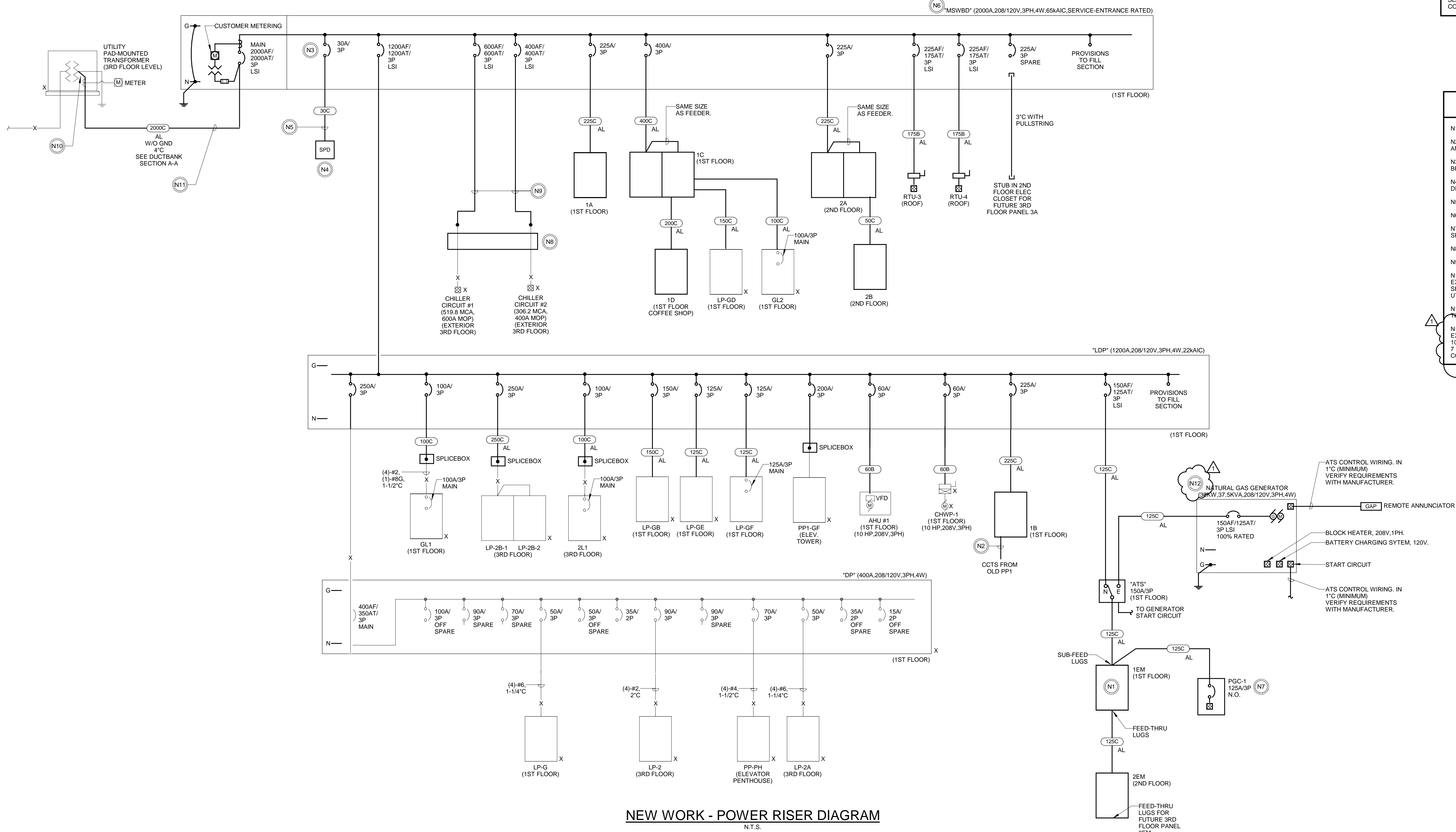
N12. DUE TO THE CLOSE PROXIMITY TO THE INTAKE AIR OVERLAYS ON THE EXTERIOR WALL, A EXTENDED EXHAUST FLUE SHALL BE PROVIDED ON THE GENERATOR TO MAINTAIN A MINIMUM OF 10 FEET OF CLEARANCE. THE FLUE PIPE SHALL EXTEND UP FROM THE ENCLOSURE TO AT LEAST 7 FEET AFT TO THE TOP. FINAL LENGTH SHALL BE COORDINATED IN THE FIELD BY THE CONTRACTOR.

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DEMOLITION - POWER RISER DIAGRAM
N.T.S.



NEW WORK - POWER RISER DIAGRAM
N.T.S.

ELECTRICAL / TECHNOLOGY DIVISION OF SCOPE			
SCOPE (AS APPLICABLE)	DIV	FURNISHED BY	INSTALLED BY
TECHNOLOGY CABLING DEMOLITION	27	COMM CABLING CONTRACTOR	COMM CABLING CONTRACTOR
DEMOLITION OF TECHNOLOGY CABLE TRAY, CONDUITS, BOXES, AND BONDING EQUIPMENT.	27	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR
POWER/LIGHTING.	26	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR
PLYWOOD BACKBOARD IN TECHNOLOGY ROOMS.	27	GENERAL CONTRACTOR	GENERAL CONTRACTOR
TECHNOLOGY PATHWAYS: BOX/CONDUITS, CABLE TRAY, CONDUIT SLEEVING.	27	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR
COMMUNICATIONS STRUCTURED CABLING: INTRA-BUILDING FIBER OPTIC BACKBONES, UTP CABLING, JACKS, CABLES, PATCH PANELS, TERMINATIONS, TESTING, LABELING, DOCUMENTATIONS-BUILT DRAWINGS.	27	COMM CABLING CONTRACTOR	COMM CABLING CONTRACTOR
COMMUNICATIONS INTER-BUILDING FIBER OPTIC BACKBONE CABLING BETWEEN BUILDINGS.	27	COMM CABLING CONTRACTOR	COMM CABLING CONTRACTOR
TECHNOLOGY BONDING BUSBARS	27	COMM CABLING CONTRACTOR	ELECTRICAL CONTRACTOR
TECHNOLOGY BUSBAR ASSOCIATED BONDING TO PANELBOARD AND BUILDING STEEL.	27	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR
TECHNOLOGY ROOM RACKING, WIRE LADDER, CABLE MANAGEMENT PANELS.	27	COMM CABLING CONTRACTOR	COMM CABLING CONTRACTOR
UTP AND FIBER OPTIC PATCH CORDS.	27	OWNER	OWNER
BOND EQUIPMENT RACKS, WIRE LADDER, ETC. WITHIN TECHNOLOGY ROOM TO BUSBAR.	27	COMM CABLING CONTRACTOR	COMM CABLING CONTRACTOR
BOND CABLE TRAY AND INCOMING CONDUIT PATHWAYS OUTSIDE AND ENTERING TECHNOLOGY ROOM TO BUSBAR.	27	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR
FIRESTOP SYSTEMS BETWEEN CONDUIT SLEEVES AND STRUCTURE.	27	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR
FIRESTOP SYSTEMS WITHIN CONDUIT SLEEVES AND CABLE TRAY PENETRATIONS AFTER CABLE PLACEMENT.	27	COMM CABLING CONTRACTOR	COMM CABLING CONTRACTOR
OVERHEAD RACKING SYSTEM.	27	OWNER'S PARTIAL VENDOR	OWNER'S PARTIAL VENDOR
HDMI CABLING.	27	COMM CABLING CONTRACTOR	COMM CABLING CONTRACTOR
VIDEO SURVEILLANCE CAMERA CONNECTIONS IN-HALL.	27	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR
VIDEO SURVEILLANCE CAMERA CABLING.	27	COMM CABLING CONTRACTOR	COMM CABLING CONTRACTOR
VIDEO SURVEILLANCE HEADEND, SOFTWARE, LICENSES, CAMERAS, FINAL CONNECTIONS, PROGRAMMING.	28	OWNER'S SECURITY VENDOR	OWNER'S SECURITY VENDOR
ACCESS CONTROL CONDUIT/BOX ROUGH-IN.	28	ELECTRICAL CONTRACTOR	ELECTRICAL CONTRACTOR
ACCESS CONTROL CABLING.	28	OWNER'S SECURITY VENDOR	OWNER'S SECURITY VENDOR
ACCESS CONTROL SYSTEM HEADEND, PC MONITORS, LICENSES, DEVICES, FINAL CONNECTIONS, PROGRAMMING.	28	OWNER'S SECURITY VENDOR	OWNER'S SECURITY VENDOR
SERVERS, RACK UPS'S, AND TELEPHONE HANDSETS.	27	OWNER	OWNER
NETWORK SWITCHES.	27	OWNER	COMM CABLING CONTRACTOR
WIRELESS ACCESS POINT DEVICES.	27	OWNER	OWNER

TECHNOLOGY SYMBOL LEGEND		
GENERAL		
SYMBOL	DESCRIPTION	PATHWAY & BONDING REQUIREMENTS
(X:YY)	MATERIAL NOTE TAG WHERE "X"-MATERIAL NOTE SCHEDULE BOX AND "YY"-ITEM NUMBER. REFER TO APPLICABLE MATERIAL NOTE SCHEDULE BOX FOR TAG DESCRIPTIONS.	N/A
⊙	CODED NOTE TAG. REFER TO CODED NOTE BOX ON SAME SHEET.	N/A
▽	SYMBOL WITH DASHED LINES INDICATES A DEVICE TO BE REMOVED DURING DEMOLITION PHASE REMOVE WALL PLATES, JACK MODULES, AND ASSOCIATED CABLES BACK TO TERMINATION POINT.	REMOVE BOX AND CONDUIT COMPLETE.
▽	DOT ADJACENT TO A DEMOLISHED DEVICE INDICATES THAT THE BOX AND CONDUIT ARE TO REMAIN FOR REUSE.	EXISTING BOX AND CONDUIT TO REMAIN.
▽	SUBSCRIPT "X" INDICATES A DEVICE THAT IS TO REMAIN INTACT THROUGH DURATION OF PROJECT. PROTECT DEVICE AND CABLING FROM CONSTRUCTION DUST AND DEBRIS.	EXISTING BOX AND CONDUIT TO REMAIN.
----	CONDUITS DRAWN WITH DASHED LINEWORK TO BE INSTALLED BELOW GRADE OR BELOW FINISHED FLOOR.	COORDINATE WITH OTHER TRADES AS REQUIRED.
[]	CONDUIT SLEEVE. SIZE AND QUANTITY AS NOTED.	
[]	INDICATES POINT WHERE CONDUIT RUN TURNS UPWARD.	WALL AND FLOOR PENETRATIONS SIZED AS NOTED ON FLOOR PLANS. WHERE NO SIZE IS GIVEN PROVIDE (2) 1-1/4" SLEEVES. OBSERVE CONDUIT BEND RADIUS AND OTHER REQUIREMENTS OUTLINED IN SPECIFICATIONS, DETAILS, AND NOTES. LABEL ALL CONDUIT RUNS WITH FAR-END ROOM # WITH PERMANENT MARKER.
[]	INDICATES POINT WHERE CONDUIT RUN TURNS DOWNWARD.	WALL AND FLOOR PENETRATIONS SIZED AS NOTED ON FLOOR PLANS. WHERE NO SIZE IS GIVEN PROVIDE (2) 1-1/4" SLEEVES. OBSERVE CONDUIT BEND RADIUS AND OTHER REQUIREMENTS OUTLINED IN SPECIFICATIONS, DETAILS, AND NOTES. LABEL ALL CONDUIT RUNS WITH FAR-END ROOM # WITH PERMANENT MARKER.
[]	WIRE MESH CABLE TRAY FOR SUPPORTING COMMUNICATIONS CABLE.	REFER TO WRITTEN SPECIFICATIONS, DETAILS, AND FLOOR PLAN NOTES. COORDINATE TRAY ROUTING WITH OTHER SYSTEMS. BOND TRAY SECTIONS TOGETHER AND TO TELECOMMUNICATIONS BONDING BUSBAR AS NOTED.

COMMUNICATION OUTLETS		
SYMBOL	DESCRIPTION	PATHWAY & BONDING REQUIREMENTS
FLUSH	FLUSH COMMUNICATIONS WALL OUTLET. USE 5"SQ X 2-7/8" DEEP BACK BOX UON. REFER TO TYPICAL FLUSH COMMUNICATIONS OUTLET ROUGH-IN DETAIL. PROVIDE ADDITIONAL SLEEVE INTO CORRIDOR AS REQUIRED. REDUCER-GANG, MOUNTING HEIGHT, AND CONDUIT REQUIREMENTS PER SUBSCRIPT(S) AS NOTED BELOW.	
SUBSCRIPT #1		
1D THRU 4D	1-GANG/ADJACENT TO PWR OUTLET	1-1/4" TO ACCESSIBLE AREA AFC
1C THRU 6C	1-GANG/ADJACENT TO PWR OUTLET	1-1/4" TO ACCESSIBLE AREA AFC
HDMI	1-GANG/ADJACENT TO PWR OUTLET	1-1/4" TO ACCESSIBLE AREA AFC
TV	RECESSED PWR/COMM BOX (REFER TO ELEC SYMBOL LEGEND)	1-1/4" TO ACCESSIBLE AREA AFC
SUBSCRIPT #2 (WHERE APPLICABLE)		
#	INDICATES ALTERNATE MOUNTING HEIGHT TO SUPERCEDE DEFAULT MOUNTING HEIGHT.	
C	SUBSCRIPT "C" INDICATES OUTLET TO BE LOCATED AT 8" ABOVE COUNTERTOP HEIGHT.	
CLG	INDICATES OUTLET TO BE CEILING-MOUNTED.	
▽	SURFACE-MOUNTED COMMUNICATIONS OUTLET BOX. REFER TO COMMUNICATIONS OUTLET DETAILS FOR CABLING REQUIREMENTS PER SUBSCRIPT.	SURFACE-MOUNTED COMMUNICATIONS OUTLET. RACEWAY TO MATCH POWER RACEWAY IN SAME SPACE. BACK BOX TO BE MINIMUM 3" DEEP TO SUPPORT COMMUNICATIONS CABLING. GANGS, MOUNTING HEIGHT, AND CONDUIT/WIRE DUCT REQUIREMENTS PER FLUSH WALL OUTLET PATHWAY REQUIREMENTS.
#	COMMUNICATIONS CEILING OUTLET. THIS OUTLET TO FLOAT ABOVE CEILING OR WITHIN AN EQUIPMENT ENCLOSURE AS NOTED. REFER TO COMMUNICATIONS OUTLET DETAILS FOR CABLING REQUIREMENTS PER SUBSCRIPT.	THIS OUTLET REQUIRES NO CONDUIT/BOX ROUGH-IN UNLESS NOTED ON FLOOR PLAN.
AV	AUDIO/VIDEO OUTLET LOCATED WITHIN SURFACE RACEWAY FLOOR BOX. REFER TO ELECTRICAL SYMBOL LEGEND AND POWER FLOOR PLAN FOR BOX INFORMATION. REFER TO COMMUNICATIONS OUTLET DETAILS FOR CABLING REQUIREMENTS PER SUBSCRIPT.	REFER TO ELECTRICAL SYMBOL LEGEND.
PWR	COMMUNICATIONS OUTLET LOCATED WITHIN FLOOR POKE DEVICE. REFER TO COMMUNICATIONS OUTLET DETAILS FOR CABLING REQUIREMENTS PER SUBSCRIPT.	REFER TO ELECTRICAL SYMBOL LEGEND.
AV	COMMUNICATIONS OUTLET SERVING CEILING-MOUNTED VIDEO SURVEILLANCE SYSTEM CAMERA. REFER TO COMMUNICATIONS OUTLET DETAILS FOR CABLING REQUIREMENTS PER SUBSCRIPT. CAMERA BY VSS VENDOR.	THIS OUTLET REQUIRES NO CONDUIT/BOX ROUGH-IN UNLESS NOTED ON FLOOR PLAN.
C	COMMUNICATIONS OUTLET SERVING WALL-MOUNTED VIDEO SURVEILLANCE SYSTEM CAMERA. REFER TO COMMUNICATIONS OUTLET DETAILS FOR CABLING REQUIREMENTS PER SUBSCRIPT. CAMERA BY VSS VENDOR.	USE 5"SQ X 2-7/8" DEEP BACK BOX WITH 1-GANG REDUCER RING PLACES AT 12" BFC UON. PROVIDE 1" C FROM SAME TO NEAREST ACCESSIBLE AREA ABOVE FINISHED CEILING.

TECHNOLOGY ROOMS		
SYMBOL	DESCRIPTION	PATHWAY & BONDING REQUIREMENTS
[BUSBAR]	TELECOMMUNICATIONS BONDING BUSBAR.	PROVIDE BUSBAR WITH ALL BONDING CONNECTIONS TO LOCAL PANELBOARD AND BUILDING STEEL PER TELECOMMUNICATIONS BONDING DETAILS AND WRITTEN SPECIFICATIONS.
[RACK]	2-POST EQUIPMENT RACK ASSEMBLY. TEXT INDICATES FRONT OF RACK.	REFER TO TECHNOLOGY ROOM DETAILS. BOND TO BUSBAR AS NOTED.
[]	WIRE LADDER ASSEMBLY. REFER TO WRITTEN SPECIFICATIONS AND CODED NOTES FOR SIZING AND MOUNTING HEIGHT.	REFER TO TECHNOLOGY ROOM DETAILS AND WRITTEN SPECIFICATIONS. BOND TO BUSBAR AS NOTED.

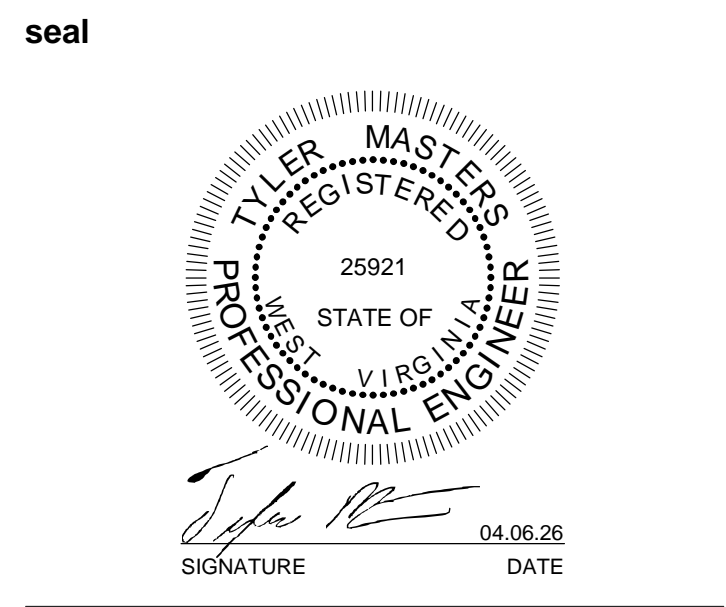
AUXILIARY SYSTEMS		
SYMBOL	DESCRIPTION	PATHWAY & BONDING REQUIREMENTS
FLUSH	MISCELLANEOUS COMMUNICATIONS WALL BOX.	FLUSH WALL BOX SERVING AUXILIARY SYSTEMS. BOX TYPE/SIZE, GANG, MOUNTING HEIGHT AND CONDUIT REQUIREMENTS PER SUBSCRIPT AS NOTED BELOW.
SUBSCRIPT #1		
AV1	VIDEO MONITOR WALL BOX.	1-1/4" TO AFC
AV2	LOCAL AV INPUT WALL BOX.	1-1/4" TO AFC
AV3	LOCAL AV CONTROL WALL BOX.	1-1/4" TO AFC
R	WALL RACK FEED-THRU BOX.	2" TO AFC
SUBSCRIPT #2 (WHERE APPLICABLE)		
#	INDICATES ALTERNATE MOUNTING HEIGHT TO SUPERCEDE DEFAULT MOUNTING HEIGHT.	
CLG	INDICATES OUTLET TO BE CEILING-MOUNTED.	
⊙	PAGING SYSTEM CEILING SPEAKER. PROVIDE 182 SPEAKER CABLE FROM TECHNOLOGY ROOM. LEAVE 10-FT LABELED COIL AT SPEAKER LOCATION AND BACKBOARD IN TECHNOLOGY ROOM. SPEAKER AND FINAL CONNECTIONS BY OWNER.	THIS OUTLET REQUIRES NO CONDUIT/BOX ROUGH-IN UNLESS NOTED ON FLOOR PLAN.
[]	ACCESS CONTROL SYSTEM CARD READER. DEVICE AND CABLING BY SECURITY VENDOR.	REFER TO DOOR HARDWARE SCHEDULE, CONTROLLED DOOR DETAILS, AND ARCHITECTURAL ELEVATIONS.

GENERAL NOTES:	
1.	REFER TO THE 2728-SERIES WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2.	THE TERM "TECHNOLOGY" REFERS TO COMMUNICATIONS, SECURITY, AND AUDIO/VIDEO SYSTEMS (AS APPLICABLE TO PROJECT).
3.	THE TERMS "COMMUNICATIONS", "TELECOMMUNICATIONS", AND "TELECOM" MAY BE USED INTERCHANGEABLY WITHIN THESE CONSTRUCTION DRAWINGS AND REFERS TO CABLING INFRASTRUCTURE, ELECTRONICS, PATHWAYS, AND SPACES SUPPORTING VOICE/DATA/CATV NETWORK SERVICES.
4.	WORK SHOWN ON TECHNOLOGY SHEETS MAY INCLUDE BONDING, CONDUIT, AND CABLE TRAY PATHWAYS AND ARE THE RESPONSIBILITY OF A QUALIFIED ELECTRICAL CONTRACTOR AND MUST CONFORM TO THE APPLICABLE SECTION 2728 SPECIFICATIONS.
5.	CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A CURRENT SET OF AS-BUILT DRAWINGS IN THE JOB TRAILER AVAILABLE FOR INSPECTION BY THE ENGINEER AT ANY TIME DURING WORKING HOURS.
6.	PROVIDE MATERIAL AND EQUIPMENT IN ACCORDANCE WITH THE PROJECT DOCUMENTS AND IN CONFORMANCE WITH ALL U.L. AND NEMA STANDARDS WHICH APPLY.
7.	CONTRACTOR SHALL PROVIDE A PARTS AND LABOR WARRANTY ON ALL EQUIPMENT AND MATERIALS FOR 2 YEARS FROM ACCEPTANCE DATE UON.
8.	THIS CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, REPAIR, PAINTING AND REPLACEMENT OF ALL WALLS, FLOORS, CEILINGS AND ANY OTHER ARCHITECTURAL ITEMS TO RESTORE TO ORIGINAL CONDITION PRIOR TO THIS CONTRACTOR'S WORK.
9.	ALL CONNECTIVITY (I.E. PATCH PANELS, JACKS, PATCH CORDS) PRODUCTS MUST BE BY THE SAME MANUFACTURER. CABLE MANUFACTURER MUST BE PARTNERED WITH CONNECTIVITY MANUFACTURER.
10.	CONTRACTOR SHALL SUPPLY SUFFICIENT QUANTITIES OF TERMINATION PANELS TO SUPPORT ALL NEW CABLES.
11.	INSTALL CABLES FREE OF KINKS, SHARP BENDS, CRUSHES, GOUGES, CUTS OR ANY OTHER PHYSICAL DAMAGE THAT MAY ALTER THE ELECTRICAL PROPERTIES OF THE CABLE. OBSERVE ALL MANUFACTURER-RECOMMENDED INSTALLATION PRACTICES.
12.	TEST ALL CABLING ACCORDING TO THE MOST CURRENT APPLICABLE REVISION OF THE TIA/EIA COMMERCIAL WIRING STANDARD. REPLACE ANY FAILING OR MARGINALLY PASSING CABLES. (MARGINAL TEST RESULTS WILL BE CONSIDERED A FAIL).
13.	COORDINATE PERMISSION AND SPACE FOR SECURE ON-SITE STORAGE WITH CONSTRUCTION MANAGER.
14.	RENOVATION AND RETROFIT PROJECTS: IT IS THIS CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND TO BECOME FAMILIARIZED WITH THE EXISTING FACILITY. NO ADDITIONAL COMPENSATION WILL BE AWARDED FOR ANY DEVIATIONS AND DISCREPANCIES TO THESE PLANS. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER IN WRITING (FAILURE TO DO SO SHALL BE DEEMED AS ACCEPTANCE OF EXISTING CONDITIONS).
15.	IN THE EVENT THAT THERE ARE INCONSISTENCIES IN QUANTITY, QUALITY, OR REQUIREMENTS WITHIN THE PROJECT DOCUMENTS, THE CONTRACTOR SHALL SUBMIT AN RFI TO THE ARCHITECT PRIOR TO SUBMITTING PROPOSAL. IF THIS IS NOT POSSIBLE, PROVIDE THE HIGHER QUANTITY, THE BETTER QUALITY, AND MORE STRINGENT REQUIREMENTS.
16.	FIRESTOP ALL CONDUITS UPON COMPLETION OF CABLE INSTALLATION TO RESTORE WALL'S ORIGINAL RATING.
17.	ALL CABLES MUST BE SUPPORTED THROUGHOUT ENTIRE ROUTE. WHERE THERE ARE NO PROVIDED PATHWAYS, INSTALL NEW H/JOCK OR OTHER APPROVED ASSEMBLY AT 40" - 48" CENTERS. ALL CABLES MUST BE SUPPORTED BY APPROVED CABLE HANGERS IN MANUFACTURER-RECOMMENDED BUNDLE SIZES (DO NOT OVERFILL HANGERS).
18.	CONTRACTOR SHALL BE RESPONSIBLE FOR FISHING AND SWABBING OF EXISTING CONDUITS BEFORE INSTALLING CABLE.
19.	CABLES MUST BE RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED.
20.	CONTRACTOR IS RESPONSIBLE FOR PROVIDING FINAL AS-BUILT DRAWINGS PER NOTES AND WRITTEN SPECIFICATIONS.
21.	CONTRACTOR SHALL PROVIDE A COMMUNICATIONS DATA OUTLET AT THE FOLLOWING LOCATIONS (WHERE REQUIRED - COORDINATE WITH APPLICABLE VENDORS): A. FIRE ALARM CONTROL PANEL(S) B. TEMPERATURE CONTROL PANEL(S) C. LIGHTING CONTROL PANEL(S) D. ALL ELEVATOR PHONE CONNECTION(S) E. ALL ELEVATOR CAMERA CONNECTION(S) F. SECURITY SYSTEM CONTROL PANEL(S)

ABBREVIATION LEGEND	
SYMBOL	DESCRIPTION
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AV	AUDIO/VIDEO
BFC	BELOW FINISHED CEILING
C	SUBSCRIPT "C" INDICATES DEVICE TO BE MOUNTED 8" ABOVE COUNTERTOP TO CENTERLINE
CAT6	CATEGORY SIX
CAT6A	AUGMENTED CATEGORY-SIX
CATV	COMMUNITY ANTENNA TELEVISION SYSTEM (USED INTERCHANGEABLY WITH "MATV")
CLG	SUBSCRIPT "CLG" INDICATES A CEILING-MOUNTED DEVICE
COMM	COMMUNICATIONS (USED INTERCHANGEABLY WITH "TELECOM")
DATA	INDICATES A CONNECTION TO THE OWNER'S DATA NETWORK
EC	ELECTRICAL CONTRACTOR
EXT	SUBSCRIPT "EXT" INDICATES AN EXTERIOR-MOUNTED DEVICE
FBD	FURNISHED BY OTHER TRADES, BUT INSTALLED AND WIRED BY THIS CONTRACTOR
FO	FIBER OPTICS
GC	GENERAL CONTRACTOR
MM	MULTIMODE FIBER OPTIC CABLE
MON	TELEVISION MONITOR
PACS	PHYSICAL ACCESS CONTROL SYSTEM
PBB	PRIMARY BONDING BUSBAR
PP	PATCH PANEL
PT	PORT
RU	RACK UNITS
SBB	SECONDARY BONDING BUSBAR
SEC	SECURITY
SM	SINGLEMODE FIBER OPTIC CABLE
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TELECOM	TELECOMMUNICATIONS
TR	TECHNOLOGY ROOM
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VSS	VIDEO SURVEILLANCE SYSTEM (USED INTERCHANGEABLY WITH "CCTV")
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WM	WIRE MANAGER
WP	SUBSCRIPT "WP" INDICATES A WEATHERPROOF BOX
X	SUBSCRIPT "X" INDICATES EXISTING DEVICE TO REMAIN

SILLING
 405 Capitol Street, Upper Atrium
 Charleston, West Virginia 25301
 Phone 304.346.0565
 www.silling.com

HBM
 ARCHITECTURE
 INTERIOR DESIGN
 1382 W Ninth Street, Suite 300
 Cleveland, Ohio 44113
 Phone 216.241.1101
 www.hbmarchitects.com



client
 Fairmont State University
 1201 Locust Drive
 Fairmont, WV 26554
 Phone: (304) 367-4110

mechanical / electrical engineers
 Scheeser Buckley Mayfield, LLC
 1208 Massillon Rd. Suite G200
 Akron, OH 44306
 Phone: (330) 526-2700

structural engineer
 SMBH Inc.
 1166 Dublin Road
 Columbus, OH 43215
 Phone: (614) 481-9800

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 NOTES & LEGENDS -
 TECHNOLOGY

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DATA NETWORK OUTLETS

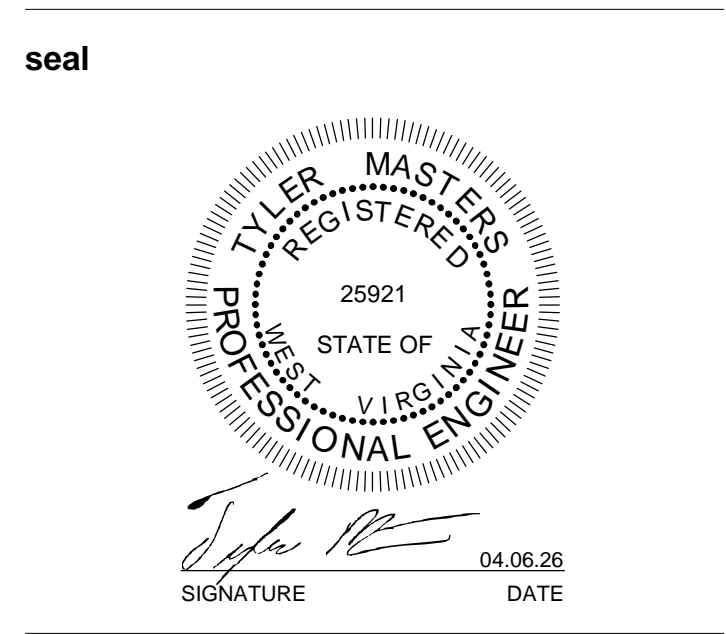
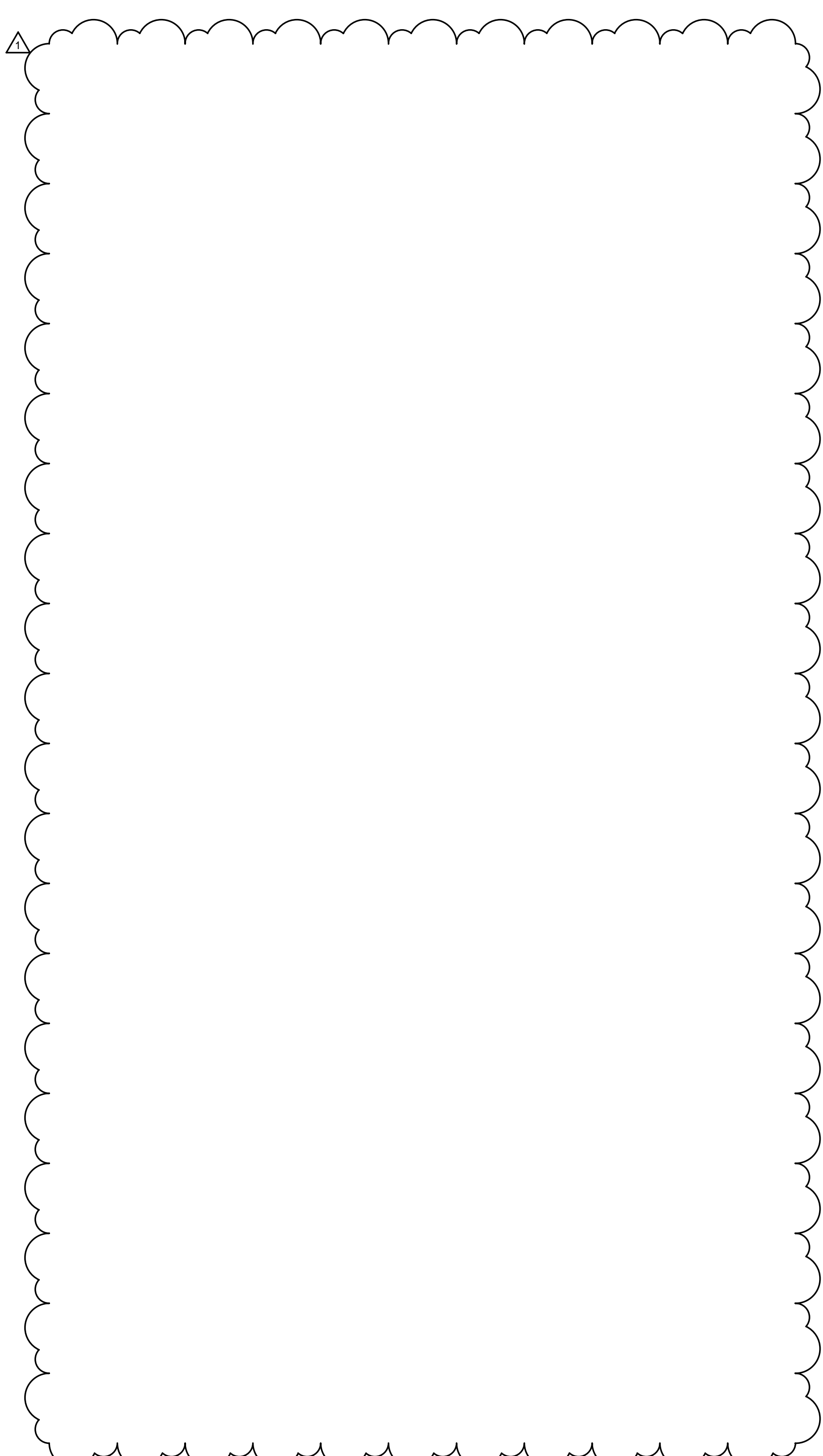
<p>2D ▼ 2-DATA WALL OUTLET</p>	<p>TELEVISION OUTLET:</p> <ol style="list-style-type: none"> INSTALL THIS OUTLET IN RECESSED BACKBOX. REFER TO ELECTRICAL SYMBOL LEGEND. <p>TV ▼ 1-DATA TELEVISION OUTLET</p>	<p>FLOATING TELECOM OUTLET:</p> <ol style="list-style-type: none"> THIS OUTLET TO FLOAT IN CEILINGS OR WITHIN AN EQUIPMENT ENCLOSURE AS NOTED ON FLOOR PLANS. COORDINATE INSTALLATION WITHIN ENCLOSURES WITH EQUIPMENT VENDOR. <p>2D ▼ 2-DATA FLOATING OUTLET</p>	<p>4-DATA POKE-THRU OUTLET:</p> <ol style="list-style-type: none"> REFER TO POWER SYMBOL LEGEND FOR FLOOR BOX REQUIREMENTS. <p>P4D ▼ 4-DATA POKE-THRU OUTLET</p>
<p>WIRELESS ACCESS POINT OUTLET:</p> <ol style="list-style-type: none"> FLOAT THIS OUTLET ABOVE CEILING AT LOCATION INDICATED. CONFIRM EXACT LOCATION OF WAP OUTLETS WITH OWNER'S IT DEPARTMENT PRIOR TO INSTALLATION. LEAVE 15' COIL. EVERY ATTEMPT MUST BE MADE TO PLACE WAP IN CLEAR ACCESSIBLE AREA. <p>WAP ▼ WIRELESS ACCESS POINT FLOATING OUTLET</p>	<p>VIDEO SURVEILLANCE SYSTEM (VSS) CAMERA FLOATING CEILING OUTLET:</p> <ol style="list-style-type: none"> FLOAT SURFACE-MOUNT BOX ABOVE CEILING OR WITHIN OUTLET BOX AT LOCATION INDICATED. LEAVE 15' COIL. <p>C ▼ VSS CAMERA CEILING OUTLET</p>	<p>AV SURFACE FLOOR RACEWAY FLOOR OUTLET:</p> <ol style="list-style-type: none"> CONNECTIVITY FACEPLATE AND BRACKETS SHOWN FOR PLANNING PURPOSES AND MUST BE COORDINATED WITH EC TO FIT THE ACTUAL FLOOR BOX OPENING. REFER TO ELEC SYMBOL LEGEND AND FLOOR PLANS FOR RACEWAY REQUIREMENTS. PROVIDE HDMI MODULE CONNECTED TO TV BOX WITH HDMI CABLE. LEAVE 3-FT COIL AT TV BOX. <p>AV ▼ AV SURFACE FLOOR OUTLET</p>	<p>HDMI ▼ LOCAL HDMI INPUT WALL OUTLET</p> <p>CONNECT HDMI MODULE TO RECESSED TV BOX WITH HDMI CABLE. LEAVE 3-FT COIL AT TV.</p>

COFFEE SHOP NETWORK OUTLETS

<p>1C ▼ 1-DATA COFFEE SHOP NETWORK WALL OUTLET</p>	<p>2C ▼ 2-DATA COFFEE SHOP NETWORK WALL OUTLET</p>	<p>4C ▼ 4-DATA COFFEE SHOP NETWORK WALL OUTLET</p>	<p>6C ▼ 6-DATA COFFEE SHOP NETWORK WALL OUTLET</p>
<p>CTV ▼ 1-DATA COFFEE SHOP NETWORK TELEVISION OUTLET</p>	<p>COFFEE SHOP NETWORK WIRELESS ACCESS POINT OUTLET:</p> <ol style="list-style-type: none"> FLOAT THIS OUTLET ABOVE CEILING AT LOCATION INDICATED. LEAVE 15' COIL. EVERY ATTEMPT MUST BE MADE TO PLACE WAP IN CLEAR ACCESSIBLE AREA. <p>C-WAP ▼ COFFEE SHOP NETWORK WAP CLG OUTLET</p>	<p>COFFEE SHOP NETWORK CEILING CAMERA OUTLET:</p> <ol style="list-style-type: none"> FLOAT THIS OUTLET ABOVE CEILING AT LOCATION INDICATED. LEAVE 15' COIL. <p>C-CAM ▼ COFFEE SHOP NETWORK CAMERA CLG OUTLET</p>	

- COMMUNICATION OUTLET DETAIL NOTES:**
- REFER TO 27 SERIES WRITTEN SPECIFICATIONS.
 - REFER TO THE APPLICABLE MATERIAL NOTES FOR EQUIPMENT TAG DESCRIPTIONS AND MANUFACTURER/MODEL OF EQUIPMENT.
 - ALL INSTALLED CABLES MUST BE TERMINATED AT BOTH ENDS, TESTED, LABELED, AND DOCUMENTED ON AS-BUILT DRAWINGS.
 - PROVIDE ALL OUTLET JACK MODULES AND CABLE JACKETS IN THE COLORS INDICATED.
 - VERIFY FACEPLATE COLORS WITH ARCHITECT TO COORDINATE WITH POWER OUTLET FACEPLATE COLOR.
 - PROVIDE BLANK MODULES (COLOR TO MATCH FACEPLATE) IN ALL UNUSED PORTS.
 - CABLES THAT ROUTE THROUGH CASEWORK MUST BE SUPPORTED AT 12" - 16" CENTERS AND BE CONCEALED.
 - ALL FACEPLATES MUST BE INSTALLED FLUSH, PLUMB, LEVEL, AND MUST COVER ENTIRE OPENING WITH NO GAPS. REPORT EXCESSIVELY LARGE OPENINGS TO GC FOR REMEDY.
 - PLACE MECHANICALLY-PRODUCED LABELS BEHIND FACEPLATE LABEL WINDOWS. DO NOT ATTACH LABELS DIRECTLY TO FACEPLATES, BLANK LABEL TABS OR LABEL WINDOWS.
 - LABEL CABLES AT BOTH ENDS WITH WRAP-AROUND LABELS WITHIN 3" OF TERMINATION POINT.
 - FURNITURE SYSTEM CABLING: ROUTE CABLES CONCEALED THROUGH INTEGRAL PATHWAYS (WHERE APPLICABLE). DRESS ALL EXPOSED CABLING BETWEEN WALL/FLOOR FEEDER BOXES WITH WORM TUBE OR OTHER RE-ENTERABLE SLEEVING.
 - FACEPLATES, FLOOR BOXES, ETC. WITH NO PROVISIONS FOR LABEL WINDOWS MUST NOT BE RELEASED. PROVIDED ADHESIVE LABEL HOLDERS TO SUPPORT LABELS.
 - CONTRACTOR SHALL REFERENCE AND ADHERE TO THE REQUIREMENTS OUTLINED IN FAIRMONT STATE UNIVERSITY'S INFORMATION TECHNOLOGY DEPARTMENT DOCUMENT "SPECIFICATIONS AND STANDARDS"

- WORKSTATION MATERIAL NOTES**
- IVORY FACEPLATE: GANG AND PORT QUANTITIES AS SHOWN (PANDUIT MINI-COM). PROVIDE BLANK MODULES IN ALL UNUSED PORTS.
 - SURFACE-MOUNT BOX (PANDUIT MINI-COM).
 - BLUE CAT6 DATA JACK MODULE (PANDUIT CJB88TGBU). CONNECT TO TELECOM ROOM WITH BLUE CAT6 CABLE. TERMINATE ON CAT6 DATA PATCH PANEL (PANDUIT DP48688TGV).
 - FLOOR BOX / POKE-THRU DEVICE (REFER TO ELECTRICAL SYMBOL LEGEND) EQUIPPED WITH DECORA-TYPE OPENING. PROVIDE 4-PORT DECORA MOUNTING FRAME (PANDUIT MINI-COM). OUTLETS MUST BE LABELED. INSTALL LABEL STRIP HOLDER (LEVITON PN: 49257-QHP OR SIMILAR) AND CUT TO LENGTH AS REQUIRED. PLACE MECHANICALLY-PRINTED LABEL IN LABEL HOLDER.
 - BLUE CAT6 COFFEE SHOP NETWORK JACK MODULE (PANDUIT CJB88TGBU). CONNECT TO COFFEE SHOP EQUIPMENT CABINET WITH BLUE CAT6 CABLE. TERMINATE ON CAT6 COFFEE SHOP NETWORK PATCH PANEL.
 - HDMI JACK MODULE (PANDUIT MINI-COM). CONNECT TO TV BOX IN SAME ROOM WITH EXTENDED DISTANCE, HIGH SPEED, HDMI CABLE (BY FSR OR APPROVED EQUAL). LEAVE 3-FT COIL AT TV. CONNECTION AT TV BY OTHERS.



client
Fairmont State University
1201 Locust Drive
Fairmont, WV 26554
Phone: (304) 367-4110

mechanical / electrical engineers
Scheeser Buckley Mayfield, LLC
1208 Massillon Rd. Suite G200
Akron, OH 44306
Phone: (330) 526-2700

structural engineer
SMBH Inc.
1166 Dublin Road
Columbus, OH 43215
Phone: (614) 481-9800

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1 ADDENDUM 01 04.24.2026

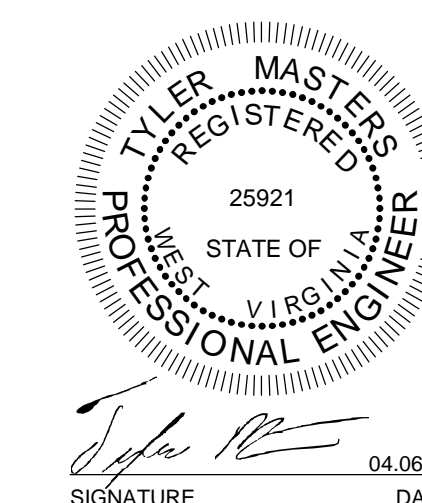
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INSTALLATION DETAILS -
TECHNOLOGY

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sheet number

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client

Fairmont State University
 1201 Locust Drive
 Fairmont, WV 26554
 Phone: (304) 367-4110

mechanical / electrical engineers

Scheeser Buckley Mayfield, LLC
 1208 Massillon Rd. Suite G200
 Akron, OH 44306
 Phone: (330) 526-2700

structural engineer

SMBH Inc.
 1166 Dublin Road
 Columbus, OH 43215
 Phone: (614) 481-9800

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NEW WORK - SECOND FLOOR
 PLAN - TECHNOLOGY

date

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sheet number

T2.2

ROOM LEGEND	
200A	GENERAL SEATING CENTRAL
200B	GENERAL SEATING SOUTHWEST
200C	GENERAL SEATING SOUTHEAST
201	HONORS OFFICE
202	HONORS OFFICE
203	HONORS
204	LEAD OFFICE
205	LEAD DIR
206	LEAD WORK ROOM
208	LEAD ASST DIR
209	ELEC
210	IT
211	TESTING
212	PROCTOR
212A	SM TEST
213	RR
214	RR
215	RR
216	CORRIDOR
217	GAMING & SEATING
218	STORAGE
219	CLASSROOM
220	STUDY NOOK
221	STUDY
222	MIDDLE COLLEGE
223	STUDY
224	MIDDLE COLLEGE
225	STUDY
226	FLEX STUDY/OFFICE
227	CONFERENCE
228	SERVICE POINT
229	OFFICE
230	OFFICE
231	OFFICE
232	CORRIDOR
233	ANATOMY
234	RR
EL01-B	ELV
ST01-B	MAIN STAIR
ST02-B	STAIR B
ST03-B	STAIR C

PLAN NOTES

A. REFER TO TECHNOLOGY GENERAL NOTES, DETAILS, AND SYMBOL LEGENDS.

B. ALL PATHWAYS AND TELECOM BONDING BUSBARS SHOWN ON THE "T" SERIES SHEETS ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. REFER TO DETAILS, NOTES, LEGENDS, AND THE "T" SERIES SPECIFICATIONS FOR REQUIREMENTS.

C. ALL TECHNOLOGY WORK SHOWN ON THE "T" SERIES SHEETS IS THE RESPONSIBILITY OF QUALIFIED CONTRACTOR CERTIFIED WITH THE SPECIFIED EQUIPMENT MANUFACTURERS. REFER TO DETAILS, NOTES, AND WRITTEN SPECIFICATIONS FOR REQUIREMENTS.

D. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL SLEEVING REQUIRED TO PROVIDE A COMPLETE PATHWAY FOR TECHNOLOGY CABLING BETWEEN EACH DEVICE AND THE MAIN CORRIDOR CABLE PATHWAY (REFER TO THE TYPICAL COMMUNICATIONS OUTLET ROUGH-IN DETAIL AND THROUGHOUT THE MAIN CABLE PATHWAY (REFER TO TECHNOLOGY PATHWAY FLOOR PLANS). COORDINATE WITH THE A-SERIES LIFE SAFETY AND WALLS-TO-DECK FLOOR PLANS.

E. SYMBOLS ON FLOOR PLANS ARE SCHEMATIC AND ARE NOT TO BE SCALED. COORDINATE EXACT LOCATION OF ALL DEVICES WITH ARCHITECTURAL ELEVATIONS (AS APPLICABLE) PRIOR TO ROUGH-IN. COMMUNICATION OUTLETS MUST BE WITH 12" OF WORKSTATION POWER OUTLETS AND NOT BE COVERED BY FURNITURE SYSTEMS.

CODED NOTES

1. NEW TECHNOLOGY ROOM.

A. GC TO LINE ALL WALLS WITH AC FIRE-TREATED, 3/4" PLYWOOD FROM 6" AFF TO 102" AFF:

- GC SHALL PHOTOGRAPH PLYWOOD PRIOR TO PAINTING.
- PAINT PLYWOOD WITH LIGHT GRAY PAINT-DO NOT COVER FIRE-RATING LABELS.
- "A" SIDE TO FACE ROOM.

B. PROVIDE TELECOMMUNICATIONS BONDING BUSBAR.

C. CONNECT TO EXISTING FIRST FLOOR MAIN TECHNOLOGY ROOM WITH 12-STRAND 0M4 FIBER OPTIC CABLE.

D. REFER TO TECHNOLOGY ROOM DETAILS FOR ADDITIONAL FIT-OUT REQUIREMENTS.

2. PROVIDE (1) RE-ENTRABLE FIRE/SMOKE STOP (AS APPLICABLE) ASSEMBLY (BY E2-PATH OR EQUAL) STACK 4X4.

3. PROVIDE 2" BETWEEN ACCESSIBLE AREA AFC AND CEILING SPACE OF TECHNOLOGY ROOM ON FLOOR BELOW.

4. PROVIDE (1) 4" RE-ENTRABLE FIRE/SMOKE STOP (AS APPLICABLE) ASSEMBLY (BY E2-PATH OR EQUAL).

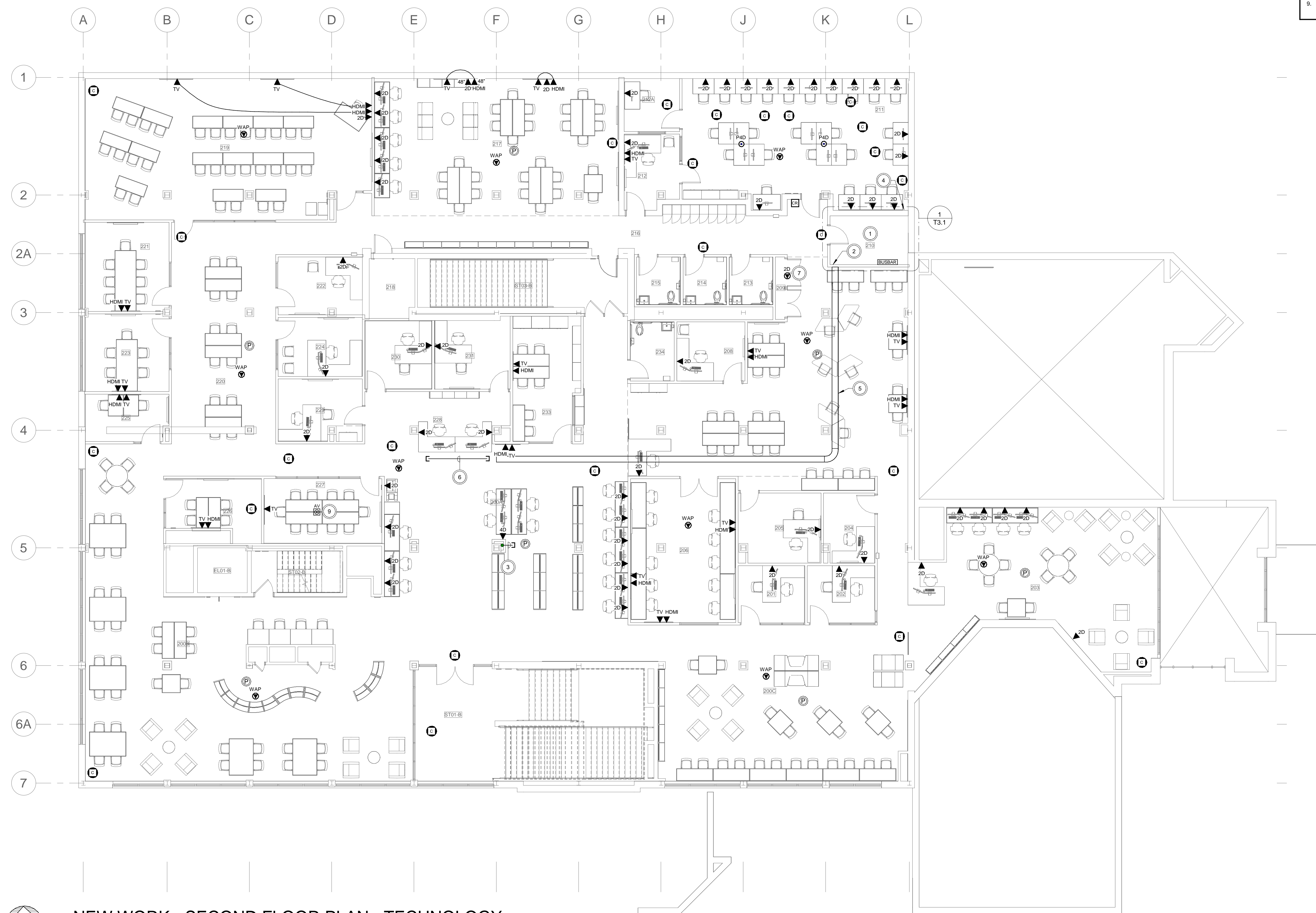
5. 12" X 4" DEEP WIRE MESH CABLE TRAY. REFER TO DETAILS AND SPECIFICATIONS.

6. (2) 4" ABOVE INACCESSIBLE CEILING BETWEEN ACCESSIBLE AREAS AFC ON EITHER SIDE.

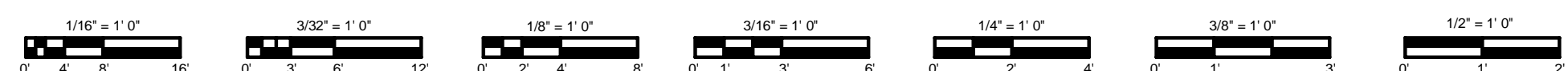
7. PLACE THIS FLOATING DATA OUTLET WITHIN THE LIGHTING CONTROL PANEL ENCLOSURE. PROVIDE 1" FROM ENCLOSURE TO ACCESSIBLE AREA AFC. COORDINATE WITH VENDOR.

8. SURFACE FLOOR RACEWAY AND BOX. REFER TO POWER FLOOR PLANS.

9. HDMI CONNECTION TO BE LOCATED IN THE CONNECT-TRAC BOX.



NEW WORK - SECOND FLOOR PLAN - TECHNOLOGY
 1/8" = 1'-0"



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