



July 8, 2024

Supplement 1

Project: Tommy Smith Elementary School Renovation

Bid Date

1. The bid will change to **July 16, 2024 at 2:00 pm CST.**

Architect's Addendum #1

2. This Supplement includes Architect Addendum #1 that has been uploaded to the plan room and is now available for viewing and downloading. This addendum includes the following:
 - a. Clarifications
 - b. Specifications
 - i. 07 42 13 -Metal Soffit Ceiling Panels
 - ii. Approved alternate product Sika-DecoDur Flake FX for;
 1. 09 67 23- Resinous Flooring
 - 09 67 24- Resinous Wall Coating
 - c. Drawings
 - i. Thirty-four drawing sheets.

Scopes of Work

3. Changes to Scopes of Work for the following Bid Packages.
 - a. 07C- Joint Sealants
 - b. 07D- Metal Soffits & Roof Repair
 - c. 08A- Doors, Frames & Hardware
 - d. 10A- General Trades
 - e. 23A- HVAC
 - f. 26A- Electrical

***I have reviewed the documents listed above and have included all costs and considerations in my proposal.**

Signed: _____

Date: _____

END OF SUPPLEMENT

ADDENDUM NO. 01

July 5, 2024

**To Plans and Specifications for:
Tommy Smith Elementary School Renovations
Panama City, Florida
Architect Project No: 22045D**



A1-1 GENERAL

1. The following changes and/or additions to plans and specifications are hereby made a part of same, and are incorporated in full force as part of the Contract Documents.
2. Bidders shall acknowledge receipt of this addendum in writing as provided in the Proposal Form.
3. When a change is called for on a drawing, this change shall carry through all applicable drawings including all related architectural, structural, mechanical, plumbing, and electrical drawings.

A1-2 GENERAL CLARIFICATIONS

1. **Tack Strips:** No tack strips shall be provided. Disregard any references to tack strips in the bid documents such as "Item 14 – Tack Strips" on sheet A101A.
 - A. Interior elevations sheet I110 has been revised per this Addendum #1. Tack strips have been replaced with marker boards.
2. **Exterior Doors at Mechanical, Electrical, and Any Other Type of Utility Room:**
 - A. Refer to "Item 25" on sheet A101A
 - B. For the Alternate Bid both the existing door and frame shall be removed in lieu of just removing the door.
 - C. For the Alternate Bid the new hollow metal doors and frames shall be hurricane rated that meet impact requirements as a tested assembly.
 - D. For the Alternate Bid provide a threshold that meets the hurricane rated assembly requirements. Because it is at utility rooms the threshold does not have to meet ADA requirements.
3. **Flooring Demolition:** All existing flooring (VCT, carpet, etc.) noted to be demolished and/or removed shall be removed and disposed (thrown away) properly. Disregard any references in the bid documents for any flooring to be salvaged and delivered to the owner.
4. **Duct Cleaning:** There shall not be any cleaning of existing mechanical ducts. Disregard any references in the bid documents to duct cleaning.

5. Classroom **SINGLE-BOWL Sinks**

- A. The bidders shall include the following quantity in the bid price to remove and replace existing sinks, faucets, and bubblers.
 - a) **Quantity of Locations: 30** at new millwork
- B. See product specs attached to this Addendum #1 for new SINGLE-BOWL sink assemblies that include new sink, new bubbler, new drain, and new faucet.
 - a) Attached product specs consists of (2) total pages.
- C. The bidder shall also include the following in the bid price:
 - a) Remove and replace existing sink, faucet, drain, and bubbler if present. Remove and replace P-trap, tailpiece, and associated waste piping back to wall. Remove and replace hot and cold water supply piping back to existing stops. Remove and replace any non-functional hot or cold water supply stops. All new piping shall be the same size and material as existing.

6. Classroom **DOUBLE-BOWL Sinks**

- A. The bidders shall include the following quantity in the bid price to remove and replace existing sinks, faucets, and bubblers.
 - a) **Quantity of Locations: 12** at new millwork
 - i. Provide at classrooms and Clinic 1-149
- B. See product specs attached to this Addendum #1 for new DOUBLE-BOWL sink assemblies that include new sink, new drain, and new faucet.
 - a) Attached product specs consists of (4) total pages.
- C. The bidder shall also include the following in the bid price:
 - a) Remove and replace existing sink, faucet, and drain.. Remove and replace P-trap, tailpiece, and associated waste piping back to wall. Remove and replace hot and cold water supply piping back to existing stops. Remove and replace any non-functional hot or cold water supply stops. All new piping shall be the same size and material as existing.

7. **ART Classroom DOUBLE-BOWL Sinks**

- A. The bidders shall include the following quantity in the bid price to remove and replace existing sinks, faucets, and bubblers.
 - a) **Quantity of Locations: 3** at new millwork
 - i. (2) provided at new millwork in Art Classroom 4-123
 - ii. (1) provided at new millwork in Administration Workroom 1-137
- B. See product specs attached to this Addendum #1 for new DOUBLE-BOWL sink assemblies that include new sink, new drain, and new faucet.
 - a) Attached product specs consists of (4) total pages.
- C. The bidder shall also include the following in the bid price:
 - a) Remove and replace existing sink, faucet, and drain.. Remove and replace P-trap, tailpiece, and associated waste piping back to wall. Remove and replace hot and cold water supply piping back to existing stops. Remove and replace any non-functional hot or cold water supply stops. All new piping shall be the same size and material as existing.

8. **Exterior Window Painting:** The exterior and interior of existing exterior windows shall NOT be painted. Disregard any references in the bid documents to painting exterior windows.
9. **Soap, Paper Towel, and Toilet Paper Dispensers:**
- A. Refer to "Toilet Accessory Schedule" on sheet A303
 - B. The following pertains to the following dispensers
 - a) Symbol 'E' – Toilet Paper Dispenser
 - b) Symbol 'F' – Soap Dispenser
 - c) Symbol 'H' – Paper Towel Dispenser
 - C. All (3) above dispensers shall be OWNER PROVIDED and CONTRACTOR INSTALLED
 - D. A soap dispenser shall be provided at every sink
 - E. A paper towel dispenser shall be provided at every sink
 - F. A horizontal 2-roll toilet paper dispenser shall be provided at every toilet in all single-use restrooms.
 - G. A quad 4-rolls toilet paper dispenser shall be provided at every toilet in gang restrooms.
 - H. See revised architectural drawing sheets A310 and A311 issued in this addendum for clarification of how soap dispensers and paper towel dispensers will be installed in classrooms.
 - I. Architect (Eric Requist) talked with a manufacturer representative at Georgia Pacific. The representative said the paper towel dispenser can be refilled with the lid only opened 90 degrees. The lid does not have to be opened 180 degrees in order to refill the paper.
 - J. Prior to the owner purchasing paper towel dispensers the contractor shall as a double-check request the owner to confirm the paper towel dispenser can be refilled with the lid only opened 90 degrees.
10. **Millwork:**
- A. See attached revised millwork renovations sheets for millwork design revisions and clarifications.
 - B. At all new millwork the interior exposed surfaces and semi-exposed surfaces shall be the color white.
 - C. 120 degree concealed hinges are acceptable.

A1-3 SPECIFICATIONS

1. **Refer to 07 42 13 – Metal Soffit Ceiling Panels:** Add the new specification attached to this Addendum #1.
- A. Specifies the product to be used at the main entrance ceiling as described in drawing 1/A501.
 - B. Installation of the metal soffit ceiling panels shall be similar to installation at Patronis Elementary School
 - C. Specification has 10 total pages.
2. **Refer to both of the following (2) specifications:**
- A. 09 67 23 – Resinous Flooring
 - B. 09 67 24 – Resinous Wall Coating
 - C. The following is an approved manufacturer and product:
 - a) Manufacturer: Sika Corporation; Lyndhurst, NJ
 - b) Product: DecoDur Flake FX

A1-4 DRAWINGS

1. **Refer to Drawing Sheet A102, A103, A104, A105, and A106 – Scope of Work Plans:** Delete sheets and replace with revised sheets attached to this Addendum #1. The following are the typical revisions.
 - A. Clarified all locations of tack boards above cubbies.
 - B. Clarified all locations of cubbies to be permanently removed
 - C. Clarified locations of existing Teacher TV's
 - D. Delete tack strips
2. **Refer to Drawing A121 – Roof Plan:** Delete sheet and replace with revised sheet attached to this Addendum #1. Revisions include deleting the 'flashing infill' scope and replacing it with metal wall panel renovation scope.
3. **Refer to Drawing A122 – Metal Wall Panel Renovations:** Add the new sheet attached to this Addendum #1. Revisions include deleting the 'flashing infill' scope and replacing it with metal wall panel renovation scope.
 - A. Add this new sheet to the drawing index.
4. **Refer to Drawing A310 – Kindergarten Millwork Renovations:** Delete sheet and replace with revised sheet attached to this Addendum #1. Revisions include revising millwork design and clarifying the installation of new soap dispensers and paper towel dispensers.
5. **Refer to Drawing A31 – Classroom Millwork Renovations:** Delete sheet and replace with revised sheet attached to this Addendum #1. Revisions include revising millwork design and clarifying the installation of new soap dispensers and paper towel dispensers.
6. **Refer to Drawing I110 – Interior Elevations:** Delete sheet and replace with revised sheet attached to this Addendum #1. Revisions include, but not limited to, revising acoustic wall panels scope, clarifying painting, clarifying Teaching TV's & marker boards, and deleting tack strips in corridors.
7. **Refer to Mechanical Drawings:** The following mechanical drawing sheets have been revised per this Addendum #1. Delete the existing sheets and replace with attached new sheets.
 - A. M001
 - B. M201
 - C. M202
 - D. M203
 - E. M204
 - F. M205
 - G. M401

(continue to next page)

8. **Refer to Electrical Drawings:** The following electrical drawing sheets have been revised per this Addendum #1. Delete the existing sheets and replace with attached new sheets.

H. E101
I. E102
J. E103
K. E104
L. E201
M. E202
N. E203
O. E204
P. E205
Q. E301
R. E302
S. E303
T. E304
U. E401
V. E402
W. E403
X. E404

A1-5 ATTACHMENTS

1. This entire addendum including all attachments has a total of **(60) pages/sheets**

END OF ADDENDUM

PRODUCT SPECIFICATIONS

Elkay Lustertone Classic Stainless Steel 22" x 17" x 7-5/8" 2-Hole Single Drop-in Classroom Sink + Faucet/Bubbler Kit. Sink is manufactured from 18 gauge 304 Stainless Steel with a Lustrous Satin finish, Center drain placement, and Bottom only pads.

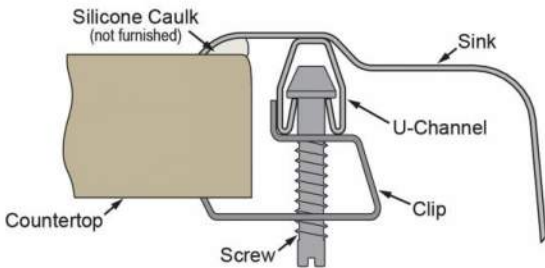
Installation Type:	Drop-in, Sink Kits
Material:	304 Stainless Steel
Finish:	Lustrous Satin
Gauge:	18
Sound Deadening:	Bottom only pads
Number of Bowls:	1
Sink Dimensions:	22" x 17" x 7-5/8"
Bowl 1 Dimensions:	16" x 13-1/2" x 7-1/2"
Drain Size:	3-1/2" (89mm)
Drain Location:	Center
Minimum Cabinet Size:	27"
Mounting Hardware:	Part # 64090012 included for countertops up to 3/4" (19mm) thick
Template Included:	No
Cutout Template #:	1000001261

Template is available for download at elkay.com. CAD software will be required to open the template.

Cutout Dimensions for Drop-in Installation:

21-3/8" x 16-3/8" (543mm x 416mm) with 1-1/2" (38mm) corner radius

Installation Profile:



Included with Product: LKD208513LC faucet, LK1141A bubbler, LK35 strainer

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Product Compliance: ASME A112.19.3/CSA B45.4
 Faucet: ASME A112.18.1/CSA B125.1
 CEC
 NSF 372 (lead free)
 NSF 61 (Q≤1)
 Accessory: ASME A112.18.2/CSA B125.2

[Clean and Care Manual \(PDF\)](#)
[Installation Instructions \(PDF\) - 74180147](#)
[Warranty \(PDF\)](#)

THE SINK ASSEMBLY SHALL BE INSTALLED AS ILLUSTRATED ON ARCHITECTURAL DRAWING REVISED SHEETS A310 AND A311 ISSUED IN ADDENDUM #1. ALL THE SINKS ARE **NOT** INSTALLED IN THE SAME CONFIGURATION. APPROXIMATELY HALF THE SINKS WILL BE INSTALLED AS SHOWN IN THE IMAGE AT THE TOP OF THIS PAGE AND THE APPROXIMATELY OTHER HALF OF SINKS WILL BE INSTALLED IN AN OPPOSITE CONFIGURATION.



Tommy Smith Elementary School Renovations
 Bay District Schools
 Architect No: 22045D

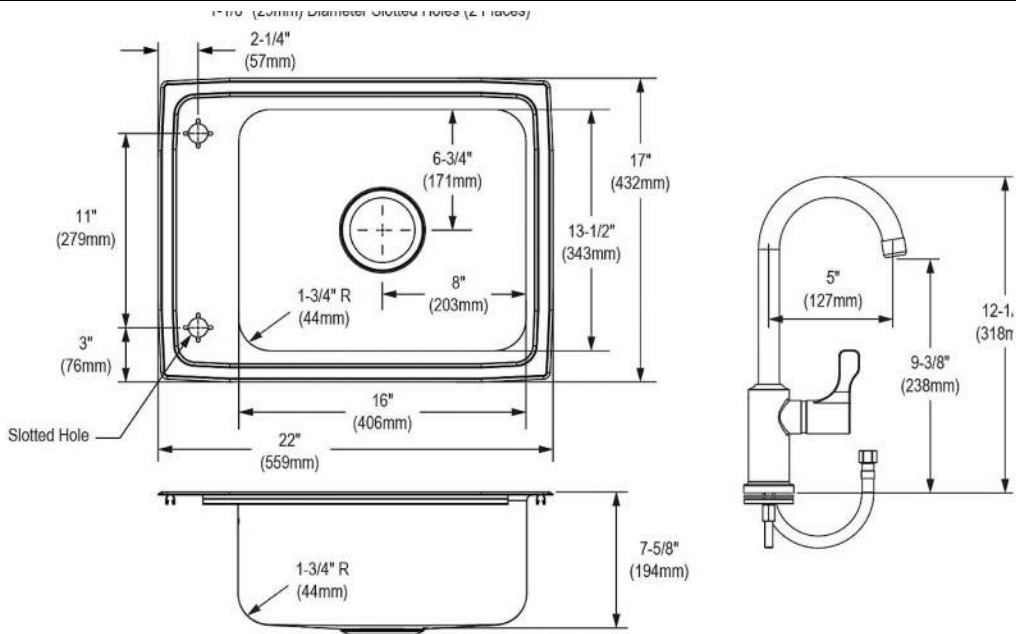
**CLASSROOM
 SINGLE BOWL SINK - ASSEMBLY**
 PAGE 1 OF 2


Addendum No: 1
 July 5, 2024

PART: _____ QTY: _____
 PROJECT: _____
 CONTACT: _____
 DATE: _____
 NOTES: _____
 APPROVAL: _____

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkay.com for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

Included Accessories		
LK1141A	Elkay Flexi-Guard® Safety Bubbler Classroom Bubbler Spec Sheet (PDF)	
LK35	3-1/2" Drain Fitting Type 304 Stainless Steel Body Strainer Basket and Tailpiece Spec Sheet (PDF)	



LKD208513LC	Elkay Single Hole 8-5/8" Deck Mount Faucet with Gooseneck Spout Lever Handle on Left Side Chrome Spec Sheet (PDF)	
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Tommy Smith Elementary School Renovations
 Bay District Schools
 Architect No: 22045D

**CLASSROOM
 SINGLE BOWL SINK - ASSEMBLY
 PAGE 2 OF 2**

Addendum No: 1
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PRODUCT SPECIFICATIONS

Lustertone® Classic Stainless Steel 33" x 21-1/4" x 7-7/8" Equal Double Bowl Drop-in Sink. Sink is manufactured from 18 gauge 304 Stainless Steel with a Lustrous Satin finish, Center drain placement, and Sides and Bottom pads.

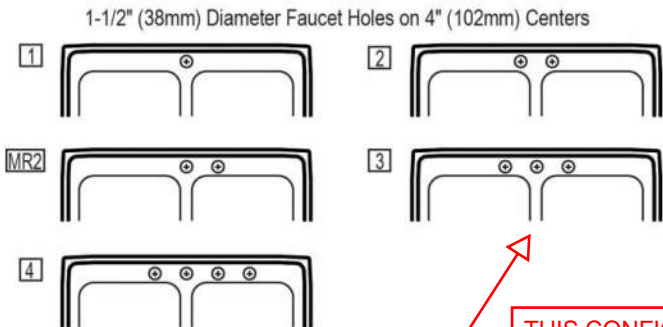
Installation Type:	Drop-in
Material:	304 Stainless Steel
Finish:	Lustrous Satin
Gauge:	18
Sound Deadening:	Sides and Bottom pads
Number of Bowls:	2
Sink Dimensions:	33" x 21-1/4" x 7-7/8"
Bowl 1 Dimensions:	13-1/2" x 16" x 7-3/4"
Bowl 2 Dimensions:	13-1/2" x 16" x 7-3/4"
Drain Size:	3-1/2" (89mm)
Drain Location:	Center
Minimum Cabinet Size:	36"
Mounting Hardware:	Part # 64090014 included for countertops up to 3/4" (19mm) thick
Template Included:	No
Cutout Template #:	1000001288

Template is available for download at elkay.com. CAD software will be required to open the template.

Cutout Dimensions for Drop-in Installation:

32-3/8" x 20-5/8" (822mm x 524mm) with 1-1/2" (38mm) corner radius

Hole Drilling Configurations:



THIS CONFIGURATION SHALL BE PROVIDED



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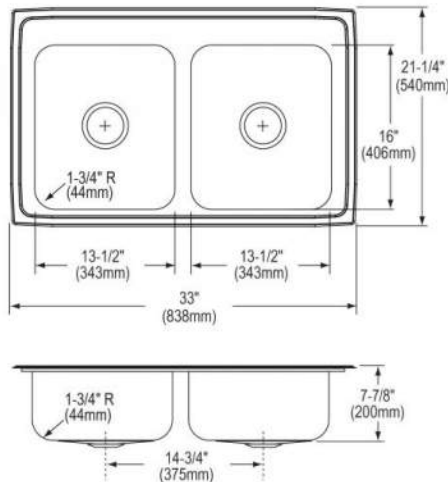


Product Compliance: ASME A112.19.3/CSA B45.4



Sinks are listed by IAPMO® as meeting the applicable requirements of the Uniform Plumbing Code®, International Plumbing Code®, and National Plumbing Code of Canada.

[Clean and Care Manual \(PDF\)](#)
[Installation Instructions \(PDF\) - 1000005236](#)
[Warranty \(PDF\)](#)



Tommy Smith Elementary School Renovations
Bay District Schools
Architect No: 22045D

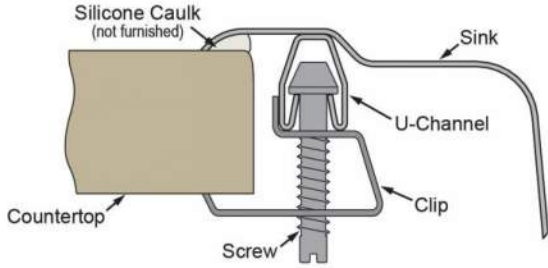
**CLASSROOM
DOUBLE BOWL SINK - ASSEMBLY
PAGE 1 OF 4**

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July 5, 2024

PART: _____ QTY: _____
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Installation Profile:



Tommy Smith Elementary School Renovations
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CLASSROOM
DOUBLE BOWL SINK - ASSEMBLY
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Optional Accessories		
LKWBG1316SS	Elkay Stainless Steel 12-1/2" x 15" x 1" Bottom Grid Spec Sheet (PDF)	 NOT INCLUDED
CB1613	Elkay Hardwood 16-3/4" x 13-1/2" x 1" Cutting Board Spec Sheet (PDF)	 NOT INCLUDED
CB1713	Elkay Hardwood 13-1/2" x 17" x 1" Cutting Board Spec Sheet (PDF)	 NOT INCLUDED
CBS1316	Hardwood 14-1/2" x 17" x 3/4" Cutting Board Spec Sheet (PDF)	 NOT INCLUDED
LK99	Deluxe 3-1/2" Drain Type 304 Stainless Steel Body Strainer Basket Rubber Seal and Tailpiece Spec Sheet (PDF)	 THIS SHALL BE INCLUDED IN THE BID PRICE
LKGT1041	Elkay Gourmet Single Hole Kitchen Faucet Pull-out Spray and Lever Handle with Hi and Mid-rise Base Options Spec Sheet (PDF)	 NOT INCLUDED
LKW RB1316SS	Elkay Stainless Steel 12-1/2" x 15" x 7" Rinsing Basket Spec Sheet (PDF)	 NOT INCLUDED

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PRODUCT SPECIFICATIONS

Elkay® 8" Centerset with Concealed Deck Faucet with 4" Gooseneck Spout 6" Wristblade Handles Chrome. Faucet has a flow rate of 1.5 GPM, and is made of Chrome-plated Brass material, with a Quarter Turn Ceramic Disc valve. Faucet requires 3 faucet holes.

Mounting Type:	Deck Mount
Special Features:	Low Flow Solid Brass Construction Spout Swing Restriction Pin
Finish:	Chrome (CR)
Handle Type:	6" Wristblade Handle
Deck Clearance:	5-1/2"
Spout Reach:	3-5/8"
Spout Height:	8"
Hole Drillings:	3
Material:	Chrome-plated Brass
Valve Type:	Quarter Turn Ceramic Disc
Valve Connection:	3/8" Female Compression Hose Assembly
Flow Rate:	1.5 GPM
Faucet Hole Size (min):	1-1/2"
Faucet Hole Spread:	8
Spout Type:	Gooseneck

Special Note: 1.5 GPM VR aerator installed with 2.2 and .5 GPM inserts included



Chrome
(CR)



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Product Compliance: ADA & ICC A117.1
ASME A112.18.1/CSA B125.1
CEC
NSF 372 (lead free)
NSF 61 (Q≤1)



Complies with ADA & ICC A117.1 accessibility requirements when installed according to the requirements outlined in these standards.

[Clean and Care Manual \(PDF\)](#)

[Installation Instructions \(PDF\) - A55483](#)

[Warranty \(PDF\)](#)

PART: _____ QTY: _____

PROJECT: _____

CONTACT: _____

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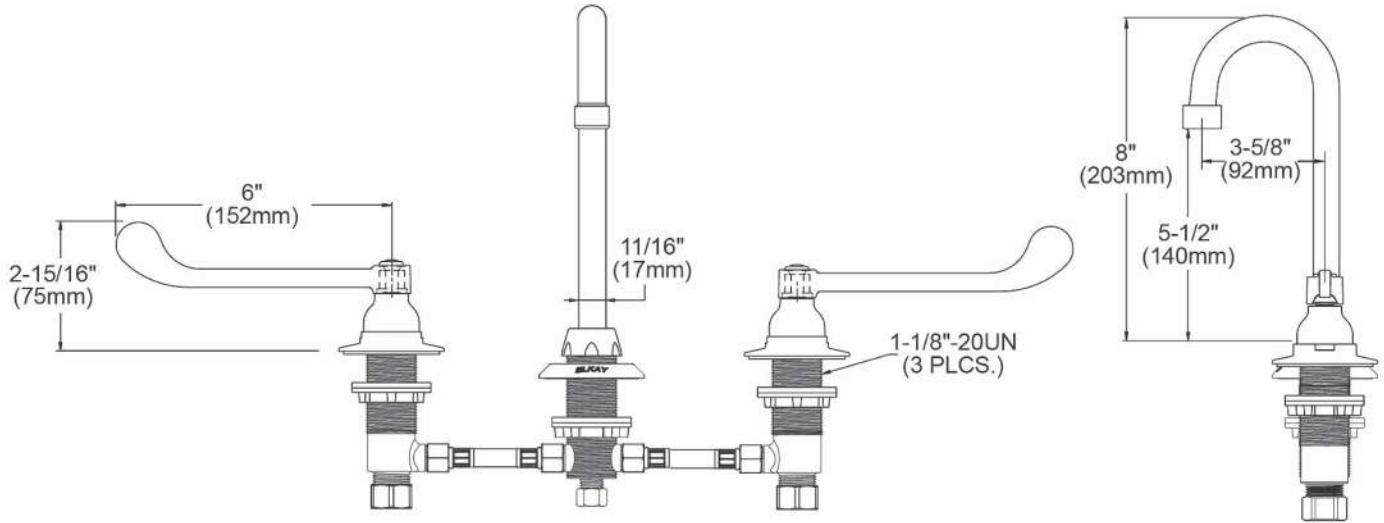
APPROVAL: _____

Tommy Smith Elementary School Renovations
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Architect No: 22045D

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Bay District Schools
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PRODUCT SPECIFICATIONS

Elkay Lustertone[®] Classic Stainless Steel 33" x 22" x 10-1/8" Equal Double Bowl Drop-in Sink. Sink is manufactured from 18 gauge 304 Stainless Steel with a Lustrous Satin finish, Center drain placement, and Sides and Bottom pads.

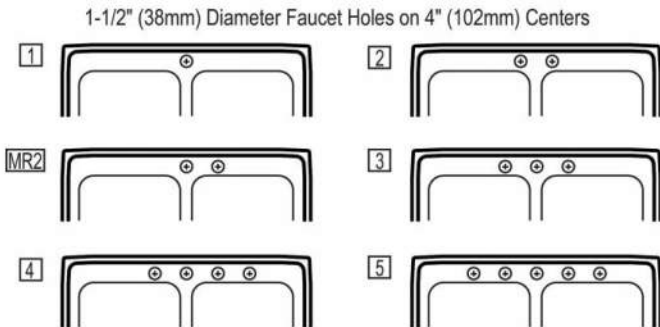
Installation Type:	Drop-in
Material:	304 Stainless Steel
Finish:	Lustrous Satin
Gauge:	18
Sound Deadening:	Sides and Bottom pads
Number of Bowls:	2
Sink Dimensions:	33" x 22" x 10-1/8"
Bowl 1 Dimensions:	13-1/2" x 16" x 10"
Bowl 2 Dimensions:	13-1/2" x 16" x 10"
Drain Size:	3-1/2" (89mm)
Drain Location:	Center
Minimum Cabinet Size:	36"
Mounting Hardware:	Part # 64090014 included for countertops up to 3/4" (19mm) thick
Template Included:	No
Cutout Template #:	1000001189

Template is available for download at [elkay.com](#). CAD software will be required to open the template.

Cutout Dimensions for Drop-in Installation:

32-3/8" x 21-3/8" (822mm x 543mm) with 1-1/2" (38mm) corner radius

Hole Drilling Configurations:



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KBB READERS' CHOICE AWARDS 2023

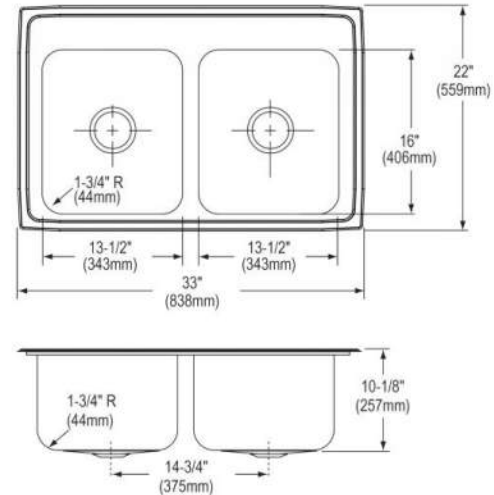


Product Compliance: ASME A112.19.3/CSA B45.4



Sinks are listed by IAPMO[®] as meeting the applicable requirements of the Uniform Plumbing Code[®], International Plumbing Code[®], and National Plumbing Code of Canada.

[Clean and Care Manual \(PDF\)](#)
[Installation Instructions \(PDF\) - 1000005236](#)
[Warranty \(PDF\)](#)



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Tommy Smith Elementary School Renovations
 Bay District Schools
 Architect No: 22045D

ART CLASSROOM
DOUBLE BOWL SINK - ASSEMBLY
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PRODUCT SPECIFICATIONS

3-1/2" Drain Fitting Type 304 Stainless Steel Body Strainer Basket and Tailpiece. Overall dimensions are 4-7/16" x 4-7/16" x 7-5/16". Made of Stainless Steel.

Material:	Stainless Steel
Finish:	Polished Stainless Steel
Dimensions:	4-7/16" x 4-7/16" x 7-5/16"
Shipping Weight:	1 lbs.

Special Note: Replacement strainer basket 72002160: \$10.00

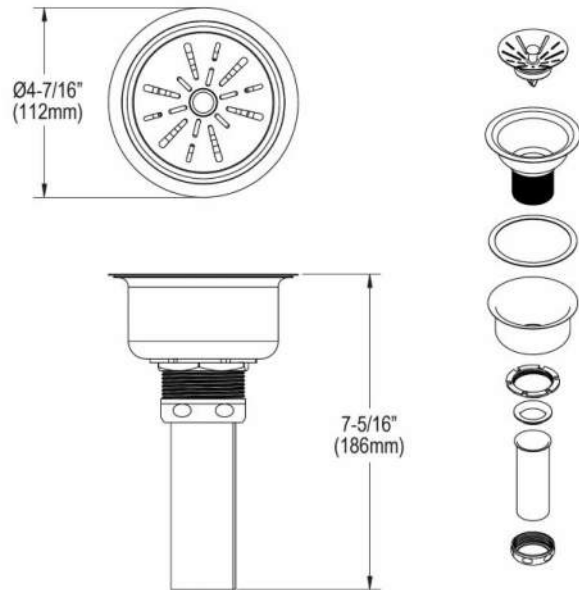
- Designed to fit 3-1/2" (89mm) drain opening with an overall flange size of 4-1/2" (114mm).
- 1-1/2" O.D. x 4" chrome-plated brass tailpiece.
- Conical strainer basket with metal stem and rubber seal.
- STAINLESS STEEL CONSTRUCTION: Made of strong, Type 304 stainless steel for long-lasting durability that resists corrosion and rust.
- POLISHED FINISH: Polished stainless steel finish adds sleekness and shimmer to any sink.



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Product Compliance: ASME A112.18.2/CSA B125.2

[Clean and Care Manual \(PDF\)](#)
[Installation Instructions \(PDF\) - 1000005235](#)



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 APPROVAL: _____

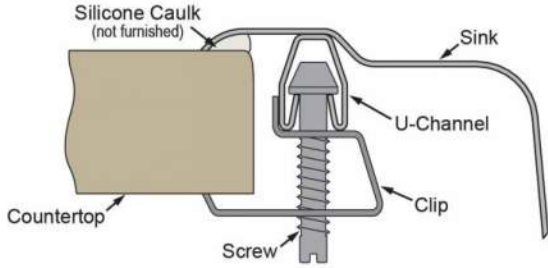
Tommy Smith Elementary School Renovations
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Installation Profile:



Tommy Smith Elementary School Renovations
Bay District Schools
Architect No: 22045D

ART CLASSROOM
DOUBLE BOWL SINK - ASSEMBLY
PAGE 2 OF 4

Addendum No: 1
July 5, 2024

Optional Accessories		
LKWBG1316SS	Elkay Stainless Steel 12-1/2" x 15" x 1" Bottom Grid Spec Sheet (PDF)	 NOT INCLUDED
CB1613	Elkay Hardwood 16-3/4" x 13-1/2" x 1" Cutting Board Spec Sheet (PDF)	 NOT INCLUDED
CB1713	Elkay Hardwood 13-1/2" x 17" x 1" Cutting Board Spec Sheet (PDF)	 NOT INCLUDED
CBS1316	Hardwood 14-1/2" x 17" x 3/4" Cutting Board Spec Sheet (PDF)	 NOT INCLUDED
LK99	Deluxe 3-1/2" Drain Type 304 Stainless Steel Body Strainer Basket Rubber Seal and Tailpiece Spec Sheet (PDF)	 THIS SHALL BE INCLUDED IN THE BID PRICE
LKGT1041	Elkay Gourmet Single Hole Kitchen Faucet Pull-out Spray and Lever Handle with Hi and Mid-rise Base Options Spec Sheet (PDF)	 NOT INCLUDED
LKW RB1316SS	Elkay Stainless Steel 12-1/2" x 15" x 7" Rinsing Basket Spec Sheet (PDF)	 NOT INCLUDED

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PRODUCT SPECIFICATIONS

Elkay® 8" Centerset with Concealed Deck Faucet with 4"
Gooseneck Spout 6" Wristblade Handles Chrome. Faucet has a flow
rate of 1.5 GPM, and is made of Chrome-plated Brass material, with
a Quarter Turn Ceramic Disc valve. Faucet requires 3 faucet holes.

Mounting Type:	Deck Mount
Special Features:	Low Flow Solid Brass Construction Spout Swing Restriction Pin
Finish:	Chrome (CR)
Handle Type:	6" Wristblade Handle
Deck Clearance:	5-1/2"
Spout Reach:	3-5/8"
Spout Height:	8"
Hole Drillings:	3
Material:	Chrome-plated Brass
Valve Type:	Quarter Turn Ceramic Disc
Valve Connection:	3/8" Female Compression Hose Assembly
Flow Rate:	1.5 GPM
Faucet Hole Size (min):	1-1/2"
Faucet Hole Spread:	8
Spout Type:	Gooseneck

Special Note: 1.5 GPM VR aerator installed with 2.2 and .5 GPM
inserts included



A Century of Tradition and Quality.
For more than 100 years, Elkay has been making innovative
products and providing exceptional customer care. We take pride in
offering plumbing products that make life easier, inspire change and
leave the world a better place.

Product Compliance: ADA & ICC A117.1
ASME A112.18.1/CSA B125.1
CEC
NSF 372 (lead free)
NSF 61 (Q≤1)



Complies with ADA & ICC A117.1 accessibility requirements
when installed according to the requirements outlined in these
standards.

[Clean and Care Manual \(PDF\)](#)
[Installation Instructions \(PDF\) - A55483](#)
[Warranty \(PDF\)](#)

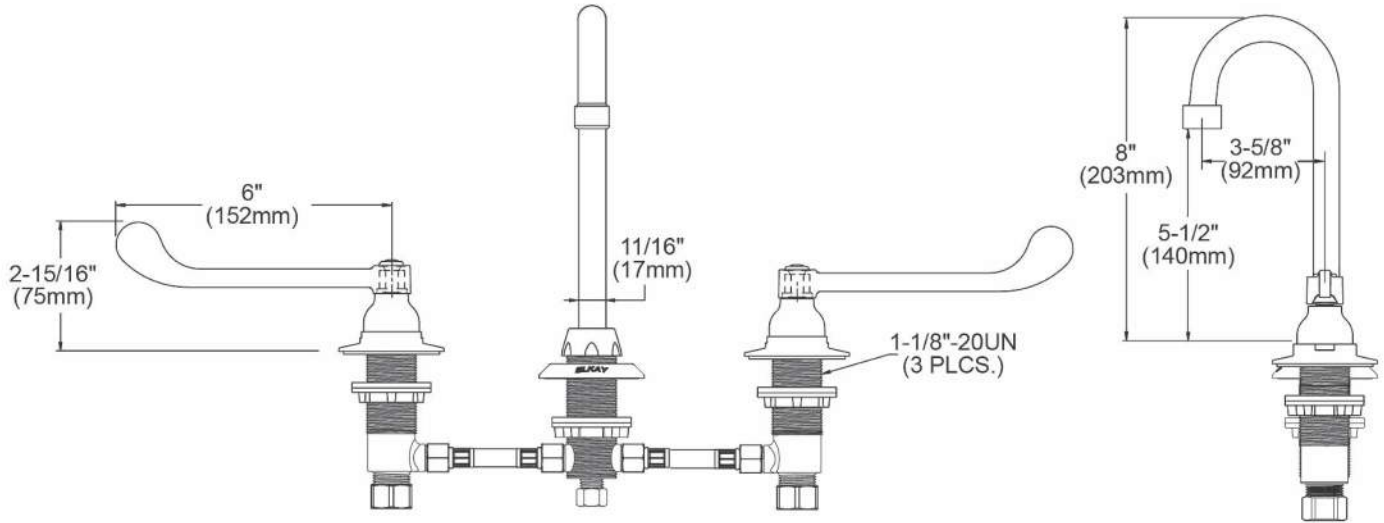
PART: _____ QTY: _____
PROJECT: _____
CONTACT: _____
DATE: _____
NOTES: _____
APPROVAL: _____

Tommy Smith Elementary School Renovations
Bay District Schools
Architect No: 22045D

ART CLASSROOM
DOUBLE BOWL SINK - ASSEMBLY
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Tommy Smith Elementary School Renovations
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ART CLASSROOM
DOUBLE BOWL SINK - ASSEMBLY
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METAL SOFFIT CEILING PANELS

07 42 13

SECTION 07 42 13 - METAL SOFFIT CEILING PANELS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
1. Metal soffit ceiling panels

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at **Project site**.
1. Meet with Owner, Architect, Owner's insurer if applicable, metal panel Installer, metal panel manufacturer's representative, structural-support Installer, and installers whose work interfaces with or affects metal panels, including installers of doors, windows, and louvers.
 2. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 3. Review methods and procedures related to metal panel installation, including manufacturer's written instructions.
 4. Examine support conditions for compliance with requirements, including alignment between and attachment to structural members.
 5. Review flashings, special siding details, wall penetrations, openings, and condition of other construction that affect metal panels.
 6. Review governing regulations and requirements for insurance, certificates, and tests and inspections if applicable.
 7. Review temporary protection requirements for metal panel assembly during and after installation.
 8. Review of procedures for repair of metal panels damaged after installation.
 9. Document proceedings, including corrective measures and actions required, and furnish copy of record to each participant.

1.3 ACTION SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of panel and accessory.
1. Exposed-fastener, lap-seam metal wall panels.
 2. Concealed-fastener, lap-seam metal wall panels.
 3. Metal liner panels.
- B. Shop Drawings:
1. Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.
 2. Accessories: Include details of the flashing, trim, and anchorage systems, at a scale of not less than **1-1/2 inches per 12 inches (1:10)**.
- C. Samples for Initial Selection: For each type of metal panel indicated with factory-applied finishes.

METAL SOFFIT CEILING PANELS

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1. Include Samples of trim and accessories involving color selection.

D. Samples for Verification: For each type of exposed finish, prepared on Samples of size indicated below:

1. Metal Panels: **12 inches (305 mm)** long by actual panel width. Include fasteners, closures, and other metal panel accessories.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

B. Product Test Reports: For **concealed-fastener, lap-seam metal wall panels**, for tests performed by a qualified testing agency.

C. Sample Warranties: For special warranties.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For metal panels to include in maintenance manuals.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

B. UL-Certified, Portable Roll-Forming Equipment: UL-certified, portable roll-forming equipment capable of producing metal panels warranted by manufacturer to be the same as factory-formed products. Maintain UL certification of portable roll-forming equipment for duration of work.

1.7 MOCKUPS

A. Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.

1. Build mockup of typical metal panel assembly supports, attachments, and accessories.

2. Water-Spray Test: Conduct water-spray test of metal panel assembly mockup, testing for water penetration according to AAMA 501.2.

3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Deliver components, metal panels, and other manufactured items so as not to be damaged or deformed. Package metal panels for protection during transportation and handling.

B. Unload, store, and erect metal panels in a manner to prevent bending, warping, twisting, and surface damage.

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- C. Stack metal panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store metal panels to ensure dryness, with positive slope for drainage of water. Do not store metal panels in contact with other materials that might cause staining, denting, or other surface damage.
- D. Retain strippable protective covering on metal panels during installation.
- E. Copper Panels: Wear gloves when handling to prevent fingerprints and soiling of surface.

1.9 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of metal panels to be performed according to manufacturers' written instructions and warranty requirements.

1.10 COORDINATION

- A. Coordinate metal panel installation with rain drainage work, flashing, trim, construction of soffits, and other adjoining work to provide a leakproof, secure, and noncorrosive installation.

1.11 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal panel systems that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including rupturing, cracking, or puncturing.
 - b. Deterioration of metals and other materials beyond normal weathering.
 - 2. Warranty Period: **Two** years from date of Substantial Completion.
- B. Special Warranty on Panel Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Delta E units when tested according to ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested according to ASTM D4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
 - 2. Finish Warranty Period: **20** years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis of Design:
 - 1. Manufacturer: Drexel Metals, Inc.
 - 2. Product: DMC FWQ100 – Flush Soffit Panel; Exposed Fasteners is Acceptable

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3. Acceptable materials: .032 aluminum, .040 aluminum, .050 aluminum, 24 gauge steel, and 22 gauge steel are all acceptable as long as they meet the color requirements specified in the exterior finish legend
 4. Acceptable widths: 12", 14", or 16"
 5. Acceptable height (Rib Depth): 7/8" or 1"
- B. Other Acceptable Manufacturers; Metal Roof Panels:
1. ATAS International, Inc; Colonial Seam: www.atas.com/#sle.
 2. Berridge Manufacturing Company; M-Panel: www.berridge.com/#sle.
 3. Drexel Metals Inc; 100SS Profile: www.drexmet.com/#sle.
 4. Englert, Inc; A1300: www.englertinc.com/#sle.
 5. Fabral; Stand N Seam: www.fabral.com/#sle.
 6. Firestone Building Products LLC; _____: www.firestonebpco.com/#sle.
 7. Metal Roofing Systems, Inc; System 1000 - Metal Roof Panels: www.metalroofingsystems.biz/#sle.
 8. Metl-Span, a Division of NCI Group, Inc; ____: www.metlspan.com/#sle.
 9. Morin Corporation; Symmetry Roof Systems: www.morincorp.com/#sle.
 10. Petersen Aluminum Corporation; PAC T-250 Panel: www.pac-clad.com/#sle.
 11. Sheffield Metals International; SMI 1.5" SnapLock 550 Standing Seam: www.sheffieldmetals.com/#sle.
 12. Peterson Aluminum Corporation (PAC-CLAD)
 13. Substitutions: See Section 01 60 00 - Product Requirements.

2.2 PERFORMANCE REQUIREMENTS

- A. Shall meet all structural performances and weathertight performance as required by the building codes that are adopted by the governing authorities having jurisdiction over the project location.
- B. Structural Performance: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing according to ASTM E1592:
 1. Wind Loads: As required by the building codes that are adopted by the governing authorities having jurisdiction over the project location.
- C. Provide complete engineered system complying with specified requirements and capable of remaining weathertight while withstanding anticipated movement of substrate and thermally induced movement of roofing system
- D. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

2.3 MISCELLANEOUS MATERIALS

- A. Miscellaneous Metal Subframing and Furring: ASTM C645, cold-formed, metallic-coated steel sheet, ASTM A653/A653M, **G90 (Z275)** hot-dip galvanized coating designation or ASTM A792/A792M, **Class AZ50 (Class AZM150)** aluminum-zinc-alloy coating designation unless otherwise indicated. Provide manufacturer's standard sections as required for support and alignment of metal panel system.
- B. Panel Accessories: Provide components required for a complete, weathertight panel system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets,

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fillers, closure strips, and similar items. Match material and finish of metal panels unless otherwise indicated.

1. Closures: Provide closures at eaves and rakes, fabricated of same metal as metal panels.
 2. Backing Plates: Provide metal backing plates at panel end splices, fabricated from material recommended by manufacturer.
 3. Closure Strips: Closed-cell, expanded, cellular, rubber or crosslinked, polyolefin-foam or closed-cell laminated polyethylene; minimum **1-inch- (25-mm-)** thick, flexible closure strips; cut or premolded to match metal panel profile. Provide closure strips where indicated or necessary to ensure weathertight construction.
- C. Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, bases, drips, sills, jambs, corners, endwalls, framed openings, rakes, fasciae, parapet caps, soffits, reveals, and fillers. Finish flashing and trim with same finish system as adjacent metal panels.
- D. Panel Fasteners: Self-tapping screws designed to withstand design loads. Provide exposed fasteners with heads matching color of metal panels by means of plastic caps or factory-applied coating. Provide EPDM or PVC sealing washers for exposed fasteners.
- E. Panel Sealants: Provide sealant type recommended by manufacturer that are compatible with panel materials, are nonstaining, and do not damage panel finish.
1. Sealant Tape: Pressure-sensitive, 100 percent solids, gray polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape **1/2 inch (13 mm)** wide and **1/8 inch (3 mm)** thick.
 2. Joint Sealant: ASTM C920; elastomeric polyurethane or silicone sealant; of type, grade, class, and use classifications required to seal joints in metal panels and remain weathertight; and as recommended in writing by metal panel manufacturer.
 3. Butyl-Rubber-Based, Solvent-Release Sealant: ASTM C1311.

2.4 FABRICATION

- A. Fabricate and finish metal panels and accessories at the factory, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.
- B. On-Site Fabrication: Subject to compliance with requirements of this Section, metal panels may be fabricated on-site using UL-certified, portable roll-forming equipment if panels are of same profile and warranted by manufacturer to be equal to factory-formed panels. Fabricate according to equipment manufacturer's written instructions and to comply with details shown.
- C. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.
- D. Fabricate metal panel joints with factory-installed captive gaskets or separator strips that provide a weathertight seal and prevent metal-to-metal contact, and that minimize noise from movements.

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- E. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.
 2. Seams for Aluminum: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with epoxy seam sealer. Rivet joints for additional strength.
 3. Seams for Other Than Aluminum: Fabricate nonmoving seams in accessories with flat-lock seams. Tin edges to be seamed, form seams, and solder.
 4. Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.
 5. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.
 6. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal panel manufacturer.
 - a. Size: As recommended by SMACNA's "Architectural Sheet Metal Manual" or metal wall panel manufacturer for application but not less than thickness of metal being secured.

2.5 FINISHES

- A. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- C. Provide manufacturer standard colors for architect to select from.
- D. Steel Panels and Accessories:
1. Two-Coat Fluoropolymer: AAMA 621. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions[**for seacoast and severe environments**].
 2. Three-Coat Fluoropolymer: AAMA 621. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in both color coat and clear topcoat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions[**for seacoast and severe environments**].
 3. Mica Fluoropolymer: AAMA 621. Two-coat fluoropolymer finish with suspended mica flakes containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions[**for seacoast and severe environments**].
 4. Metallic Fluoropolymer: AAMA 621. Three-coat fluoropolymer finish with suspended metallic flakes containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by

METAL SOFFIT CEILING PANELS

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weight in both color coat and clear topcoat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions[**for seacoast and severe environments**].

5. FEVE Fluoropolymer: AAMA 621. Two-coat fluoropolymer finish containing 100 percent fluorinated ethylene vinyl ether (FEVE) resin in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions[**for seacoast and severe environments**].
6. Siliconized Polyester: Epoxy primer and silicone-modified, polyester-enamel topcoat; with a dry film thickness of not less than **0.2 mil (0.005 mm)** for primer and **0.8 mil (0.02 mm)** for topcoat.
7. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored acrylic or polyester backer finish consisting of prime coat and wash coat with a minimum total dry film thickness of **0.5 mil (0.013 mm)**.

E. Aluminum Panels and Accessories:

1. Two-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions[**for seacoast and severe environments**].
2. Three-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in both color coat and clear topcoat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions[**for seacoast and severe environments**].
3. Mica Fluoropolymer: AAMA 2605. Two-coat fluoropolymer finish with suspended mica flakes containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions[**for seacoast and severe environments**].
4. Metallic Fluoropolymer: AAMA 2605. Three-coat fluoropolymer finish with suspended metallic flakes containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in both color coat and clear topcoat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions[**for seacoast and severe environments**].
5. FEVE Fluoropolymer: AAMA 2605. Two-coat fluoropolymer finish containing 100 percent fluorinated ethylene vinyl ether (FEVE) resin in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions[**for seacoast and severe environments**].
6. Siliconized Polyester: Epoxy primer and silicone-modified, polyester-enamel topcoat; with a dry film thickness of not less than **0.2 mil (0.005 mm)** for primer and **0.8 mil (0.02 mm)** for topcoat.
7. Exposed Anodized Finish:
 - a. Clear Anodic Finish: AAMA 611, [**AA-M12C22A41, Class I, 0.018 mm**] [**AA-M12C22A31, Class II, 0.010 mm**] or thicker.
 - b. Color Anodic Finish: AAMA 611, [**AA-M12C22A42/A44, Class I, 0.018 mm**] [**AA-M12C22A32/A34, Class II, 0.010 mm**] or thicker.

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PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, metal panel supports, and other conditions affecting performance of the Work.
 - 1. Examine wall framing to verify that girts, angles, channels, studs, and other structural panel support members and anchorage have been installed within alignment tolerances required by metal wall panel manufacturer.
 - 2. Examine wall sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by metal wall panel manufacturer.
 - a. Verify that air- or water-resistive barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- B. Examine roughing-in for components and systems penetrating metal panels to verify actual locations of penetrations relative to seam locations of metal panels before installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Miscellaneous Supports: Install subframing, furring, and other miscellaneous panel support members and anchorages according to ASTM C754 and metal panel manufacturer's written recommendations.

3.3 INSTALLATION OF METAL PANELS

- A. Install metal panels according to manufacturer's written instructions in orientation, sizes, and locations indicated. Install panels perpendicular to supports unless otherwise indicated. Anchor metal panels and other components of the Work securely in place, with provisions for thermal and structural movement.
 - 1. Shim or otherwise plumb substrates receiving metal panels.
 - 2. Flash and seal metal panels at perimeter of all openings. Fasten with self-tapping screws. Do not begin installation until air- or water-resistive barriers and flashings that will be concealed by metal panels are installed.
 - 3. Install screw fasteners in predrilled holes.
 - 4. Locate and space fastenings in uniform vertical and horizontal alignment.
 - 5. Install flashing and trim as metal panel work proceeds.
 - 6. Locate panel splices over, but not attached to, structural supports. Stagger panel splices and end laps to avoid a four-panel lap splice condition.
 - 7. Align bottoms of metal panels and fasten with blind rivets, bolts, or self-tapping screws. Fasten flashings and trim around openings and similar elements with self-tapping screws.
 - 8. Provide weathertight escutcheons for pipe- and conduit-penetrating panels.
- B. Fasteners:
 - 1. Steel Panels: Use stainless steel fasteners for surfaces exposed to the exterior; use galvanized-steel fasteners for surfaces exposed to the interior.

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2. Aluminum Panels: Use aluminum or stainless steel fasteners for surfaces exposed to the exterior; use aluminum or galvanized-steel fasteners for surfaces exposed to the interior.
 3. Copper Panels: Use copper, stainless steel, or hardware-bronze fasteners.
 4. Stainless Steel Panels: Use stainless steel fasteners.
- C. Metal Protection: Where dissimilar metals contact each other or corrosive substrates, protect against galvanic action as recommended in writing by metal panel manufacturer.
- D. Lap-Seam Metal Panels: Fasten metal panels to supports with fasteners at each lapped joint at location and spacing recommended by manufacturer.
1. Lap ribbed or fluted sheets one full rib. Apply panels and associated items true to line for neat and weathertight enclosure.
 2. Provide metal-backed washers under heads of exposed fasteners bearing on weather side of metal panels.
 3. Locate and space exposed fasteners in uniform vertical and horizontal alignment. Use proper tools to obtain controlled uniform compression for positive seal without rupture of washer.
 4. Install screw fasteners with power tools having controlled torque adjusted to compress washer tightly without damage to washer, screw threads, or panels. Install screws in predrilled holes.
 5. Flash and seal panels with weather closures at perimeter of all openings.
- E. Watertight Installation:
1. Apply a continuous ribbon of sealant or tape to seal lapped joints of metal panels, using sealant or tape as recommend by manufacturer on side laps of nesting-type panels; and elsewhere as needed to make panels watertight.
 2. Provide sealant or tape between panels and protruding equipment, vents, and accessories.
 3. At panel splices, nest panels with minimum **6-inch (152-mm)** end lap, sealed with sealant and fastened together by interlocking clamping plates.
- F. Metal Liner Panels: Install panels on **[exterior side of girts, with girts exposed to the interior] [interior side of girts with flush appearance on the inside]**.
- G. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
1. Install components required for a complete metal panel system including trim, copings, corners, seam covers, flashings, sealants, gaskets, fillers, closure strips, and similar items. Provide types indicated by metal wall panel manufacturer; or, if not indicated, provide types recommended by metal panel manufacturer.
- H. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that are permanently watertight.
1. Install exposed flashing and trim that is without buckling and tool marks, and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and achieve waterproof performance.

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2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of **10 feet (3 m)** with no joints allowed within **24 inches (610 mm)** of corner or intersection. Where lapped expansion provisions cannot be used or would not be sufficiently waterproof, form expansion joints of intermeshing hooked flanges, not less than **1 inch (25 mm)** deep, filled with mastic sealant (concealed within joints).

3.4 FIELD QUALITY CONTROL

- A. Water-Spray Test: After installation, test area of assembly [**shown on Drawings**] [**as directed by Architect**] <Insert area> for water penetration according to AAMA 501.2.
- B. Remove and replace metal wall panels where tests and inspections indicate that they do not comply with specified requirements.
- C. Additional tests and inspections, at Contractor's expense, are performed to determine compliance of replaced or additional work with specified requirements.
- D. Prepare test and inspection reports.

3.5 CLEANING AND PROTECTION

- A. Remove temporary protective coverings and strippable films, if any, as metal panels are installed, unless otherwise indicated in manufacturer's written installation instructions. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer. Maintain in a clean condition during construction.
- B. After metal panel installation, clear weep holes and drainage channels of obstructions, dirt, and sealant.
- C. Replace metal panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 07 42 13

PROJECT
VOLUME 1

ELEMENTARY SCHOOL
TOMMY SMITH RENOVATIONS
 OWNER
BAY DISTRICT SCHOOLS
 ARCHITECT'S SEAL



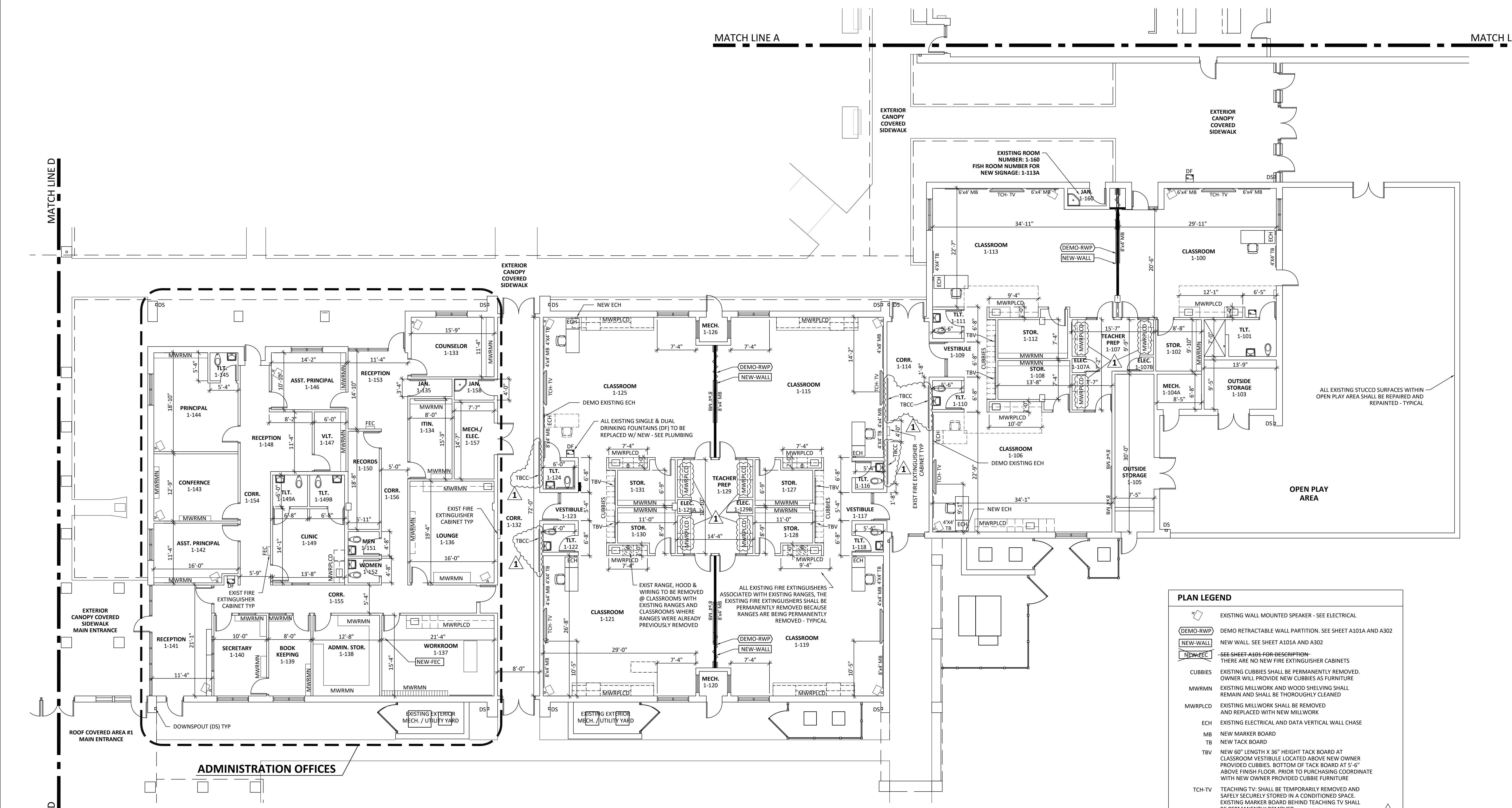
PROJECT TEAM
ARCHITECTURAL
 Caldwell Associates
PLUMBING
 Watford Engineering
MECHANICAL
 Watford Engineering
ELECTRICAL
 HG Engineers

PROJECT NUMBERS
 Architect No: 22045D

DELIVERABLES
 Schematic Design: None
 Design Development: 20 July 2023
 CD Owner Review Set: 18 January 2024
 Bid Documents: 03 June 2024
 Addendum No. 1: 05 July 2024

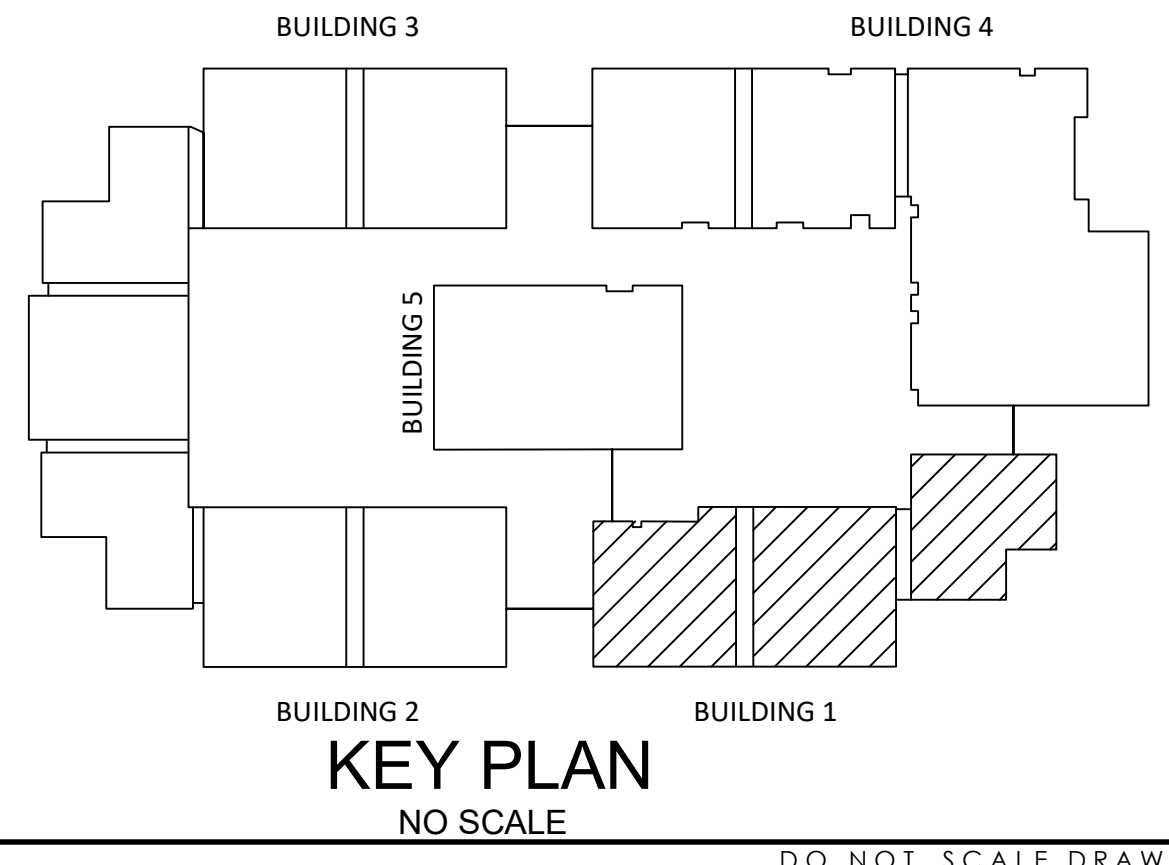
SHEET TITLE
**Building 1
 Scope of Work Plan**

SHEET NUMBER
A102

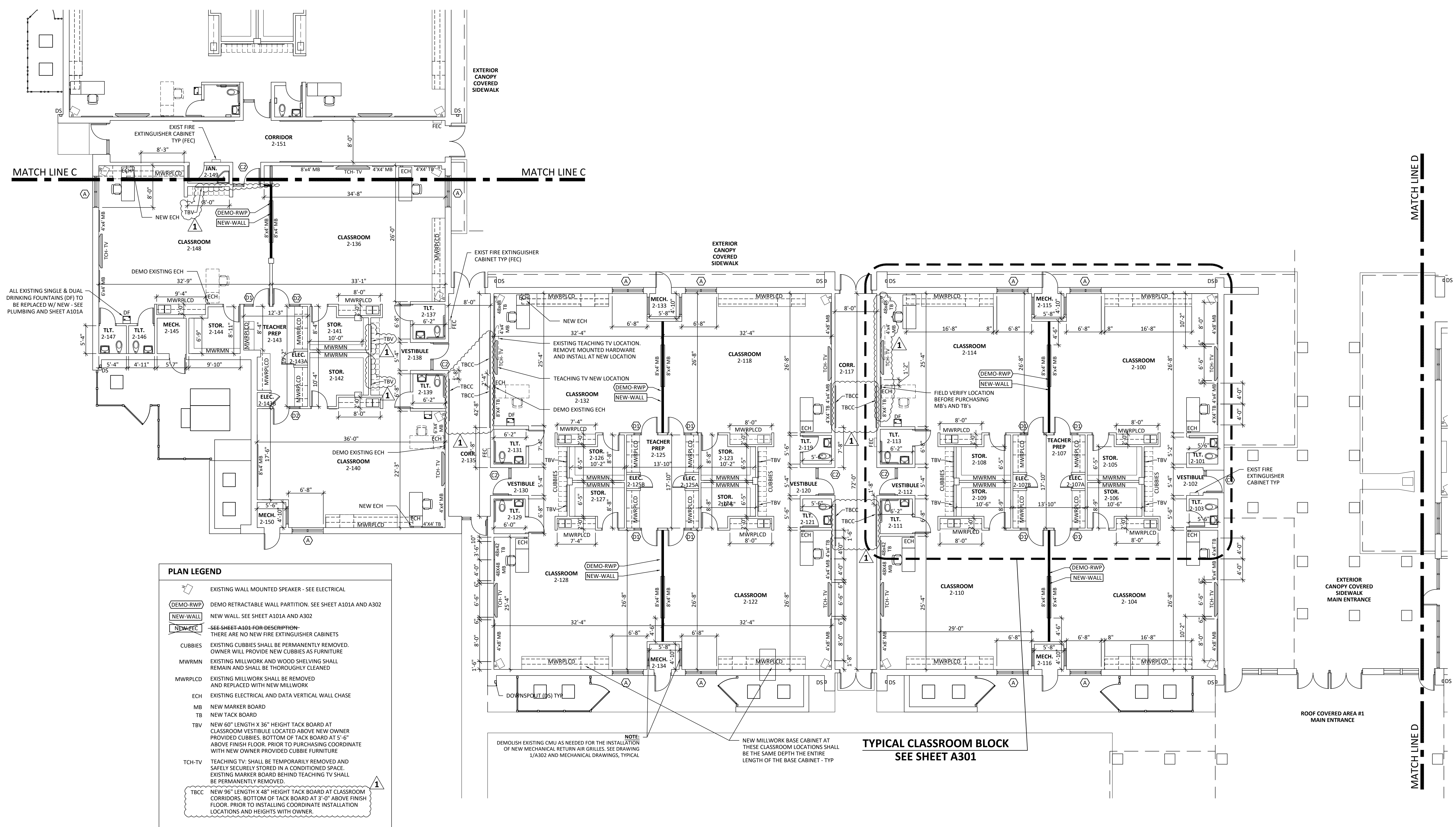


PLAN LEGEND

	EXISTING WALL MOUNTED SPEAKER - SEE ELECTRICAL
	DEMO RWP DEMO RETRACTABLE WALL PARTITION. SEE SHEET A101A AND A302
	NEW WALL NEW WALL. SEE SHEET A101A AND A302
	NEW-FEC NEW-FIRE EXTINGUISHER CABINET. THERE ARE NO NEW FIRE EXTINGUISHER CABINETS
	CUBBIES EXISTING CUBBIES SHALL BE PERMANENTLY REMOVED. OWNER WILL PROVIDE NEW CUBBIES AS FURNITURE
	MWRMN EXISTING MILLWORK AND WOOD SHELVING SHALL REMAIN AND SHALL BE THOROUGHLY CLEANED
	MWRPLCD EXISTING MILLWORK SHALL BE REMOVED AND REPLACED WITH NEW MILLWORK
	ECH EXISTING ELECTRICAL AND DATA VERTICAL WALL CHASE
	MB NEW MARKER BOARD
	TB NEW 60" LENGTH X 36" HEIGHT TACK BOARD AT CLASSROOM VESTIBULE LOCATED ABOVE NEW OWNER PROVIDED CUBBIES. BOTTOM OF TACK BOARD AT 5'-0" ABOVE FINISH FLOOR. PRIOR TO PURCHASING COORDINATE WITH NEW OWNER PROVIDED CUBBIE FURNITURE
	TCH-TV TEACHING TV. SHALL BE TEMPORARILY REMOVED AND SAFELY SECURELY STORED IN A CONDITIONED SPACE. EXISTING MARKER BOARD BEHIND TEACHING TV SHALL BE PERMANENTLY REMOVED.
	TBCC NEW 96" LENGTH X 48" HEIGHT TACK BOARD AT CLASSROOM CORRIDORS. BOTTOM OF TACK BOARD AT 3'-0" ABOVE FINISH FLOOR. PRIOR TO INSTALLING COORDINATE INSTALLATION LOCATIONS AND HEIGHTS WITH OWNER.



1 SCOPE OF WORK FLOOR PLAN - BUILDING 1
 A102 1/8" = 1'-0"



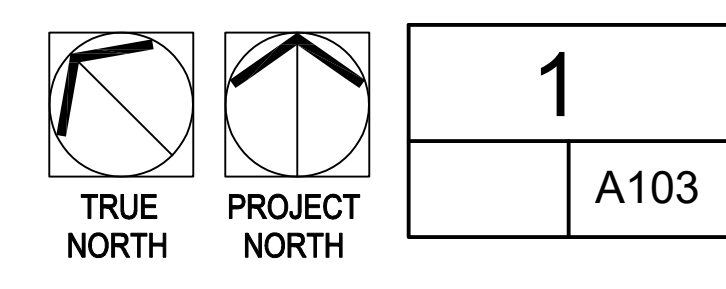
PLAN LEGEND

- EXISTING WALL MOUNTED SPEAKER - SEE ELECTRICAL
- DEMO-RWP** DEMO RETRACTABLE WALL PARTITION. SEE SHEET A101A AND A302
- NEW-WALL** NEW WALL. SEE SHEET A101A AND A302
- NEW-FEC** SEE SHEET A101 FOR DESCRIPTION. THERE ARE NO NEW FIRE EXTINGUISHER CABINETS
- CUBBIES** EXISTING CUBBIES SHALL BE PERMANENTLY REMOVED. OWNER WILL PROVIDE NEW CUBBIES AS FURNITURE
- MWRM** EXISTING MILLWORK AND WOOD SHELVING SHALL REMAIN AND SHALL BE THOROUGHLY CLEANED
- MWRPLCD** EXISTING MILLWORK SHALL BE REMOVED AND REPLACED WITH NEW MILLWORK
- ECH** EXISTING ELECTRICAL AND DATA VERTICAL WALL CHASE
- MB** NEW MARKER BOARD
- TB** NEW TACK BOARD
- TBV** NEW 60" LENGTH X 36" HEIGHT TACK BOARD AT CLASSROOM VESTIBULE LOCATED ABOVE NEW OWNER PROVIDED CUBBIES. BOTTOM OF TACK BOARD AT 5'-6" ABOVE FINISH FLOOR. PRIOR TO PURCHASING COORDINATE WITH NEW OWNER PROVIDED CUBBIE FURNITURE
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- TBCC** NEW 96" LENGTH X 48" HEIGHT TACK BOARD AT CLASSROOM CORRIDORS. BOTTOM OF TACK BOARD AT 3'-0" ABOVE FINISH FLOOR. PRIOR TO INSTALLING COORDINATE INSTALLATION LOCATIONS AND HEIGHTS WITH OWNER.

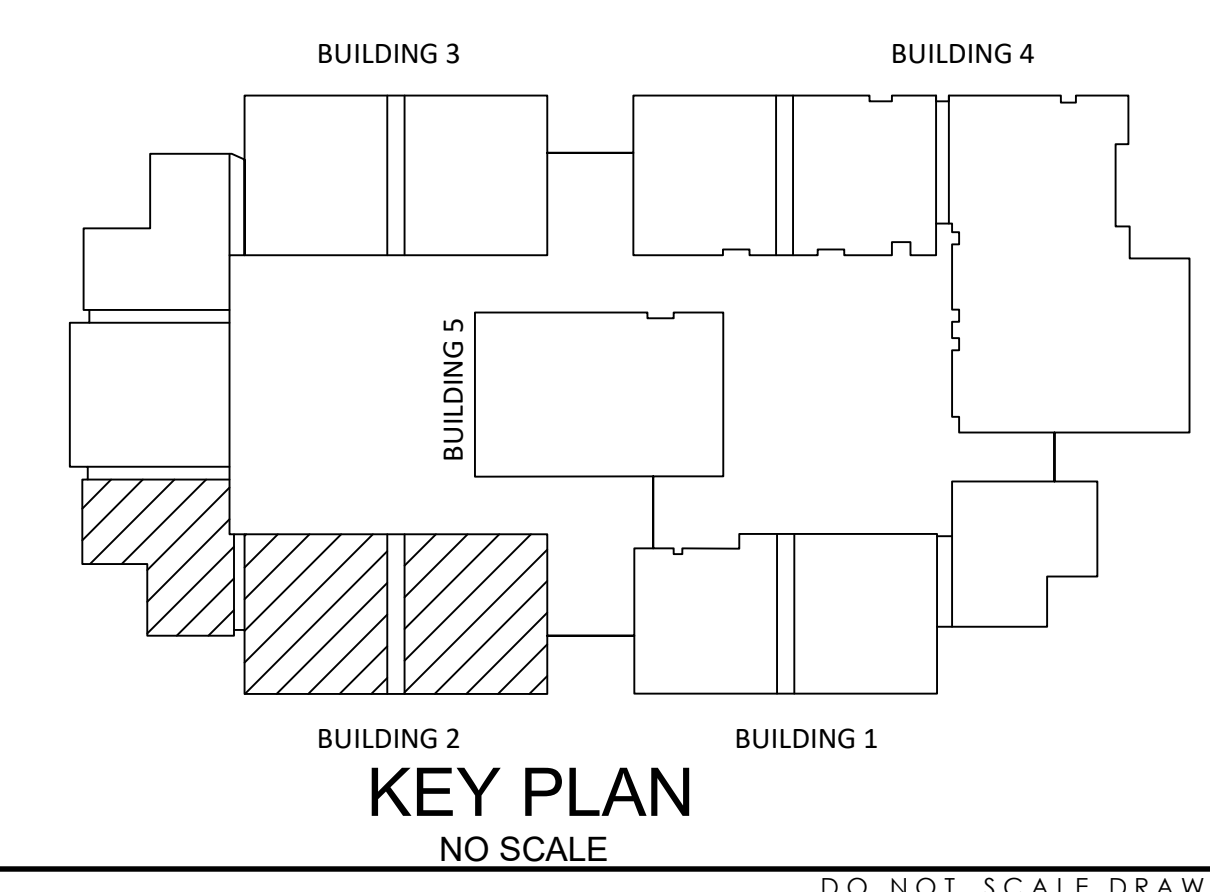
NOTE: DEMOLISH EXISTING CMU AS NEEDED FOR THE INSTALLATION OF NEW MECHANICAL RETURN AIR GRILLES. SEE DRAWING 1/4302 AND MECHANICAL DRAWINGS, TYPICAL

NEW MILLWORK BASE CABINET AT THESE CLASSROOM LOCATIONS SHALL BE THE SAME DEPTH THE ENTIRE LENGTH OF THE BASE CABINET - TYP

TYPICAL CLASSROOM BLOCK
SEE SHEET A301



SCOPE OF WORK FLOOR PLAN - BUILDING 2



PROJECT VOLUME 1

TOMMY SMITH RENOVATIONS
ELEMENTARY SCHOOL
OWNER: BAY DISTRICT SCHOOLS
ARCHITECT'S SEAL



PROJECT TEAM
ARCHITECTURAL: Caldwell Associates
PLUMBING: Watford Engineering
MECHANICAL: Watford Engineering
ELECTRICAL: HG Engineers

PROJECT NUMBERS
Architect No: 22045D

DELIVERABLES
Schematic Design: None
Design Development: 20 July 2023
CD Owner Review Set: 18 January 2024
Bid Documents: 03 June 2024
Addendum No. 1: 05 July 2024

SHEET TITLE
Building 2
Scope of Work Plan

SHEET NUMBER
A103

PROJECT
VOLUME 1

ELEMENTARY SCHOOL
TOMMY SMITH RENOVATIONS
OWNER
BAY DISTRICT SCHOOLS
ARCHITECT'S SEAL



PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

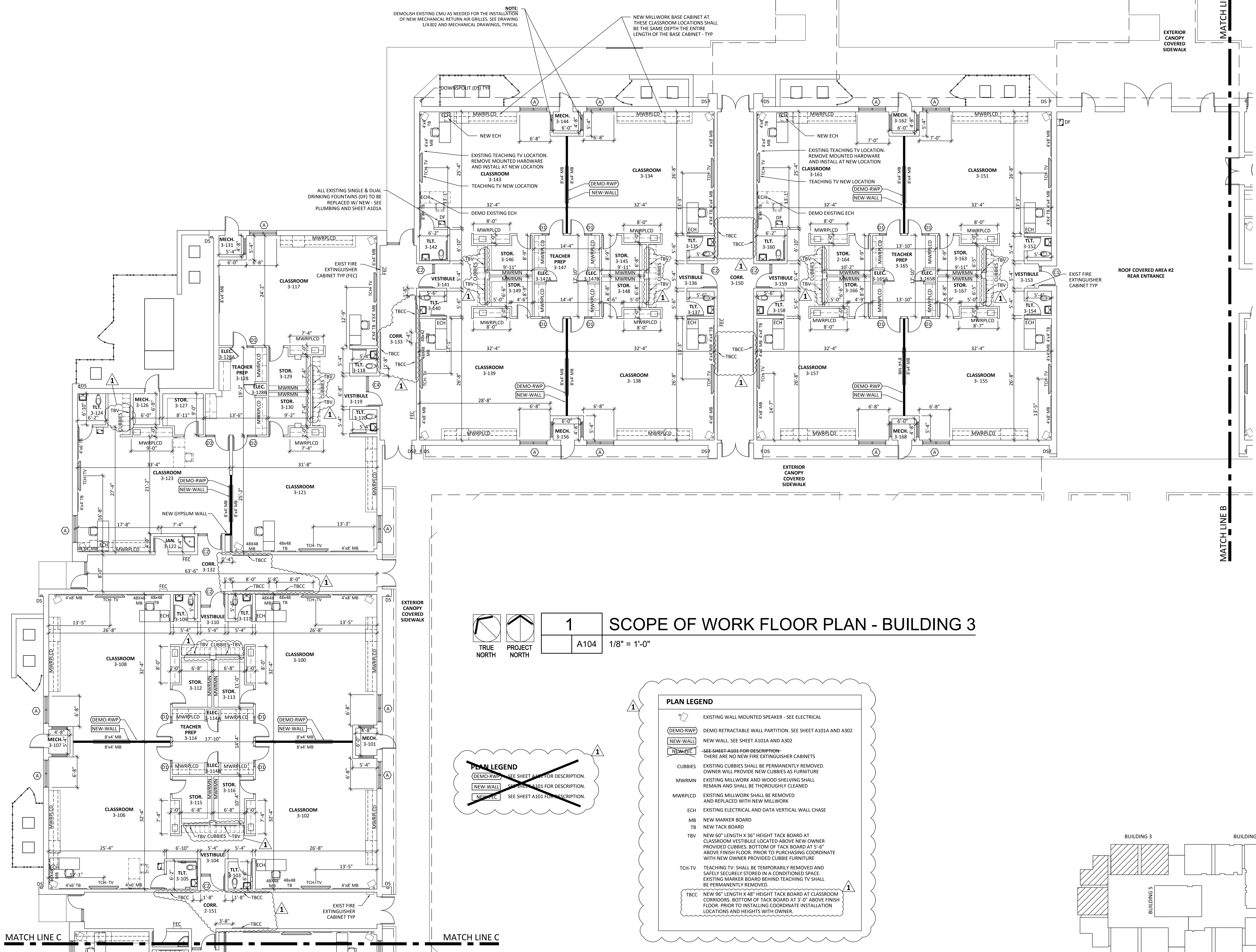
ELECTRICAL
HG Engineers

PROJECT NUMBERS
Architect No: 22045D

DELIVERABLES
Schematic Design: None
Design Development: 20 July 2023
CD Owner Review Set: 18 January 2024
Bid Documents: 03 June 2024
Addendum No. 1: 05 July 2024

SHEET TITLE
**Building 3
Scope of Work Plan**

SHEET NUMBER
A104



NOTE:
DEMOLISH EXISTING CMU AS NEEDED FOR THE INSTALLATION OF NEW MECHANICAL RETURN AIR GRILLES. SEE DRAWING 1/A302 AND MECHANICAL DRAWINGS, TYPICAL

NEW MILLWORK BASE CABINET AT THESE CLASSROOM LOCATIONS SHALL BE THE SAME DEPTH THE ENTIRE LENGTH OF THE BASE CABINET - TYP

ALL EXISTING SINGLE & DUAL DRINKING FOUNTAINS (DF) TO BE REPLACED W/ NEW - SEE PLUMBING AND SHEET A101A

EXTERIOR CANOPY COVERED SIDEWALK

ROOF COVERED AREA #2 REAR ENTRANCE

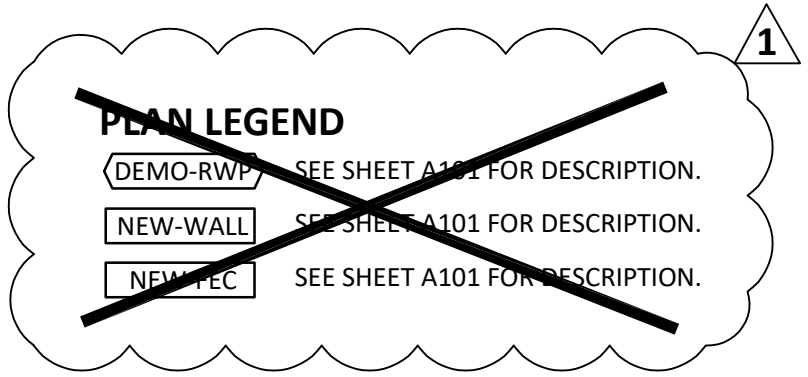
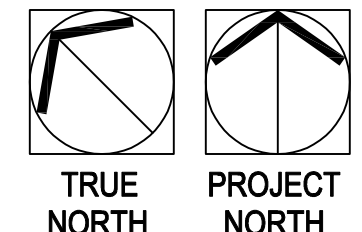
EXTERIOR CANOPY COVERED SIDEWALK

EXTERIOR CANOPY COVERED SIDEWALK

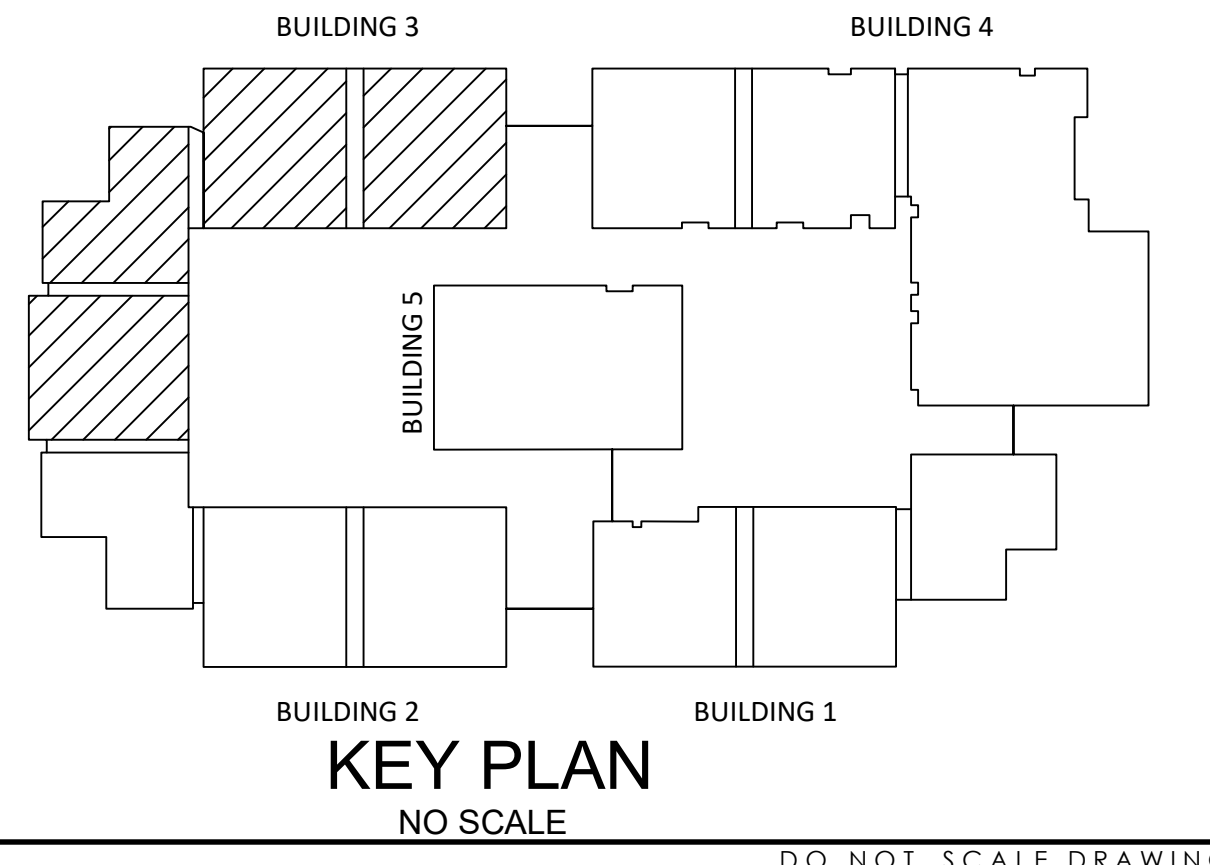
1
A104

SCOPE OF WORK FLOOR PLAN - BUILDING 3

1/8" = 1'-0"



- PLAN LEGEND**
- EXISTING WALL MOUNTED SPEAKER - SEE ELECTRICAL
 - DEMO-RWP DEMO RETRACTABLE WALL PARTITION. SEE SHEET A101A AND A302
 - NEW WALL SEE SHEET A101A AND A302
 - NEW-FEC SEE SHEET A101 FOR DESCRIPTION. THERE ARE NO NEW FIRE EXTINGUISHER CABINETS
 - CUBBIES EXISTING CUBBIES SHALL BE PERMANENTLY REMOVED. OWNER WILL PROVIDE NEW CUBBIES AS FURNITURE
 - MWWRMN EXISTING MILLWORK AND WOOD SHELVING SHALL REMAIN AND SHALL BE THOROUGHLY CLEANED
 - MWRPLCD EXISTING MILLWORK SHALL BE REMOVED AND REPLACED WITH NEW MILLWORK
 - ECH EXISTING ELECTRICAL AND DATA VERTICAL WALL CHASE
 - MB NEW MARKER BOARD
 - TB NEW TACK BOARD
 - TBV NEW 60" LENGTH X 36" HEIGHT TACK BOARD AT CLASSROOM VESTIBULE LOCATED ABOVE NEW OWNER PROVIDED CUBBIES. BOTTOM OF TACK BOARD AT 5'-6" ABOVE FINISH FLOOR. PRIOR TO PURCHASING COORDINATE WITH NEW OWNER PROVIDED CUBBIE FURNITURE
 - TCH-TV TEACHING TV SHALL BE TEMPORARILY REMOVED AND SAFELY SECURELY STORED IN A CONDITIONED SPACE. EXISTING MARKER BOARD BEHIND TEACHING TV SHALL BE PERMANENTLY REMOVED.
 - TBCC NEW 96" LENGTH X 48" HEIGHT TACK BOARD AT CLASSROOM CORRIDORS. BOTTOM OF TACK BOARD AT 3'-0" ABOVE FINISH FLOOR. PRIOR TO INSTALLING COORDINATE INSTALLATION LOCATIONS AND HEIGHTS WITH OWNER.



PROJECT
VOLUME 1

ELEMENTARY SCHOOL
TOMMY SMITH RENOVATIONS
OWNER
BAY DISTRICT SCHOOLS
ARCHITECT'S SEAL
5044 TOMMY SMITH DR.
PANAMA CITY, FL 32404

OWNER
BAY DISTRICT SCHOOLS
ARCHITECT'S SEAL



PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

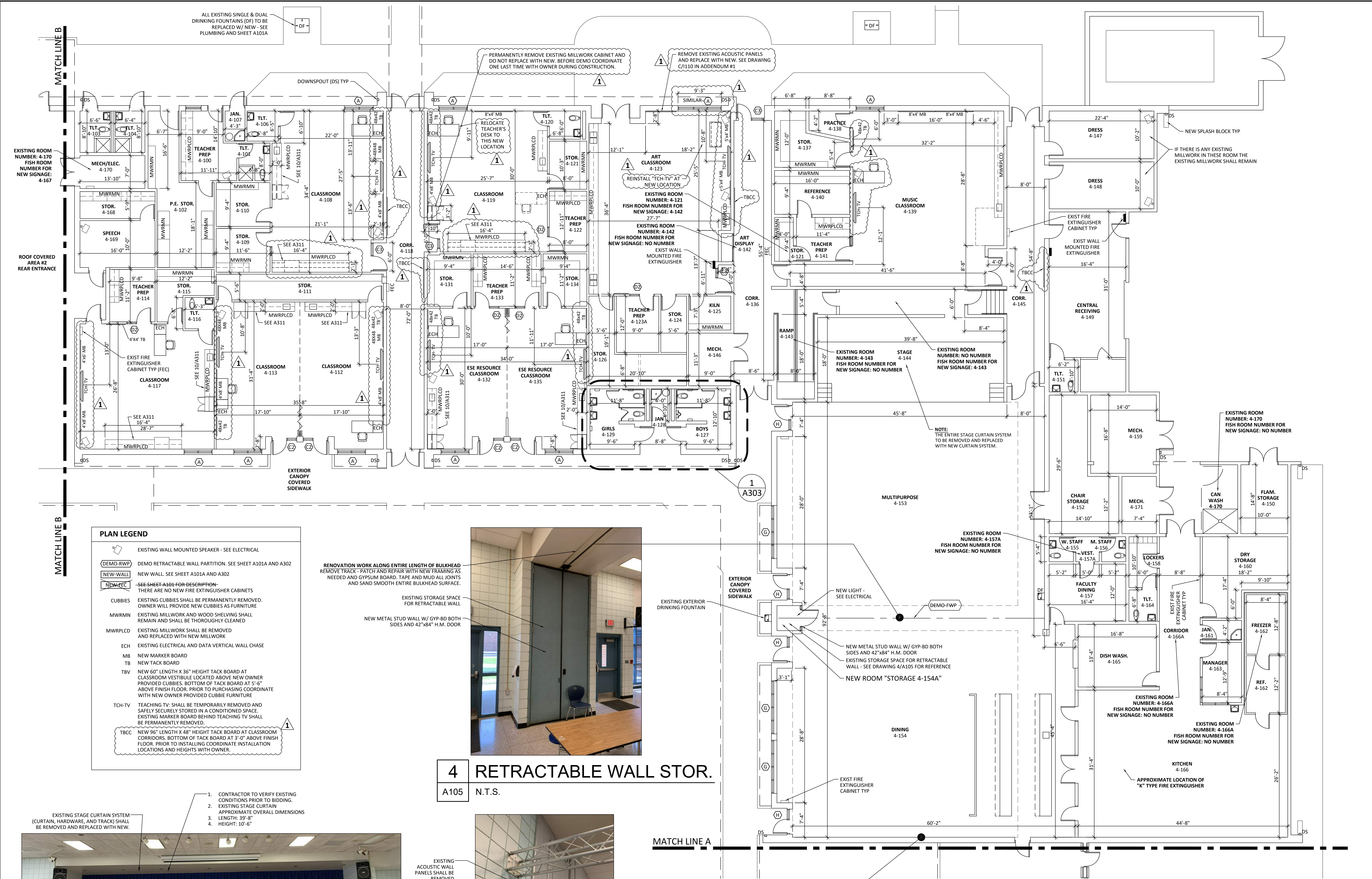
ELECTRICAL
HG Engineers

PROJECT NUMBERS
Architect No: 22045D

DELIVERABLES
Schematic Design: None
Design Development: 20 July 2023
CD Owner Review Set: 18 January 2024
Bid Documents: 03 June 2024
Addendum No. 1: 05 July 2024

SHEET TITLE
**Building 4
Scope of Work Plan**

SHEET NUMBER
A105



PLAN LEGEND

- EXISTING WALL MOUNTED SPEAKER - SEE ELECTRICAL
- DEMORWPD DEMO RETRACTABLE WALL PARTITION. SEE SHEET A101A AND A302
- NEW-WALL NEW WALL. SEE SHEET A101A AND A302
- NEW-FEC SEE SHEET A101 FOR DESCRIPTION. THERE ARE NO NEW FIRE EXTINGUISHER CABINETS
- CUBBIES EXISTING CUBBIES SHALL BE PERMANENTLY REMOVED. OWNER WILL PROVIDE NEW CUBBIES AS FURNITURE
- MWRMNM EXISTING MILLWORK AND WOOD SHELVING SHALL REMAIN AND SHALL BE THOROUGHLY CLEANED
- MWRPLCD EXISTING MILLWORK SHALL BE REMOVED AND REPLACED WITH NEW MILLWORK
- ECH EXISTING ELECTRICAL AND DATA VERTICAL WALL CHASE
- MB NEW MARKER BOARD
- TB NEW TACK BOARD
- TBV NEW 60" LENGTH X 36" HEIGHT TACK BOARD AT CLASSROOM VESTIBULE LOCATED ABOVE NEW OWNER PROVIDED CUBBIES. BOTTOM OF TACK BOARD AT 5'-6" ABOVE FINISH FLOOR. PRIOR TO PURCHASING COORDINATE WITH NEW OWNER PROVIDED CUBBIE FURNITURE
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- TBCC NEW 96" LENGTH X 48" HEIGHT TACK BOARD AT CLASSROOM CORRIDORS. BOTTOM OF TACK BOARD AT 3'-0" ABOVE FINISH FLOOR. PRIOR TO INSTALLING COORDINATE INSTALLATION LOCATIONS AND HEIGHTS WITH OWNER.

RENOVATION WORK ALONG ENTIRE LENGTH OF BULKHEAD REMOVE TRACK - PATCH AND REPAIR WITH NEW FRAMING AS NEEDED AND GYPSUM BOARD, TAPE AND MUD ALL JOINTS AND SAND SMOOTH ENTIRE BULKHEAD SURFACE.

EXISTING STORAGE SPACE FOR RETRACTABLE WALL
NEW METAL STUD WALL W/ GYP-BD BOTH SIDES AND 42"x84" H.M. DOOR



4 RETRACTABLE WALL STOR.
A105 N.T.S.

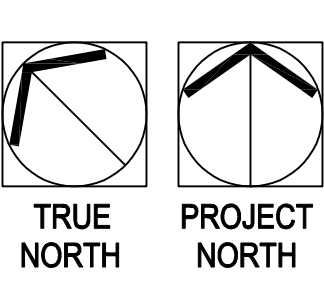


2 DINING RM - SOUTH INTERIOR WALL
A105 N.T.S.

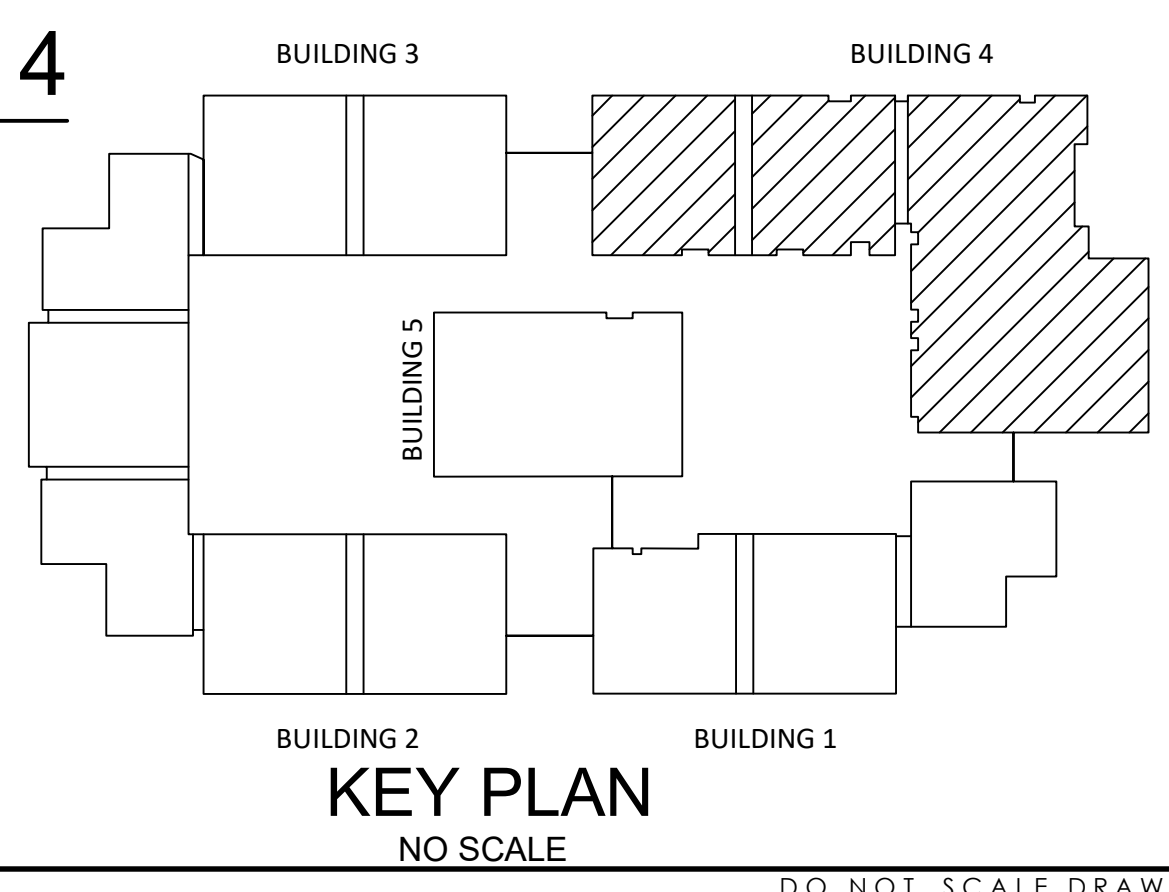
- CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO BIDDING.
- EXISTING STAGE CURTAIN APPROXIMATE OVERALL DIMENSIONS
- LENGTH: 39'-8"
- HEIGHT: 10'-6"



3 PHOTO - EXISTING STAGE CURTAIN
A105 N.T.S.



1 SCOPE OF WORK FLOOR PLAN - BUILDING 4
A105 1/8" = 1'-0"

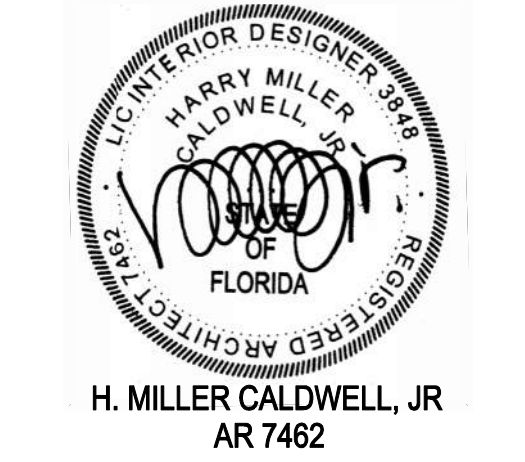


PROJECT
VOLUME 1

ELEMENTARY SCHOOL
TOMMY SMITH RENOVATIONS
5044 TOMMY SMITH DR.
PANAMA CITY, FL 32404

OWNER
BAY DISTRICT SCHOOLS

ARCHITECT'S SEAL



PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

ELECTRICAL
HG Engineers

PROJECT NUMBERS
Architect No: 22045D

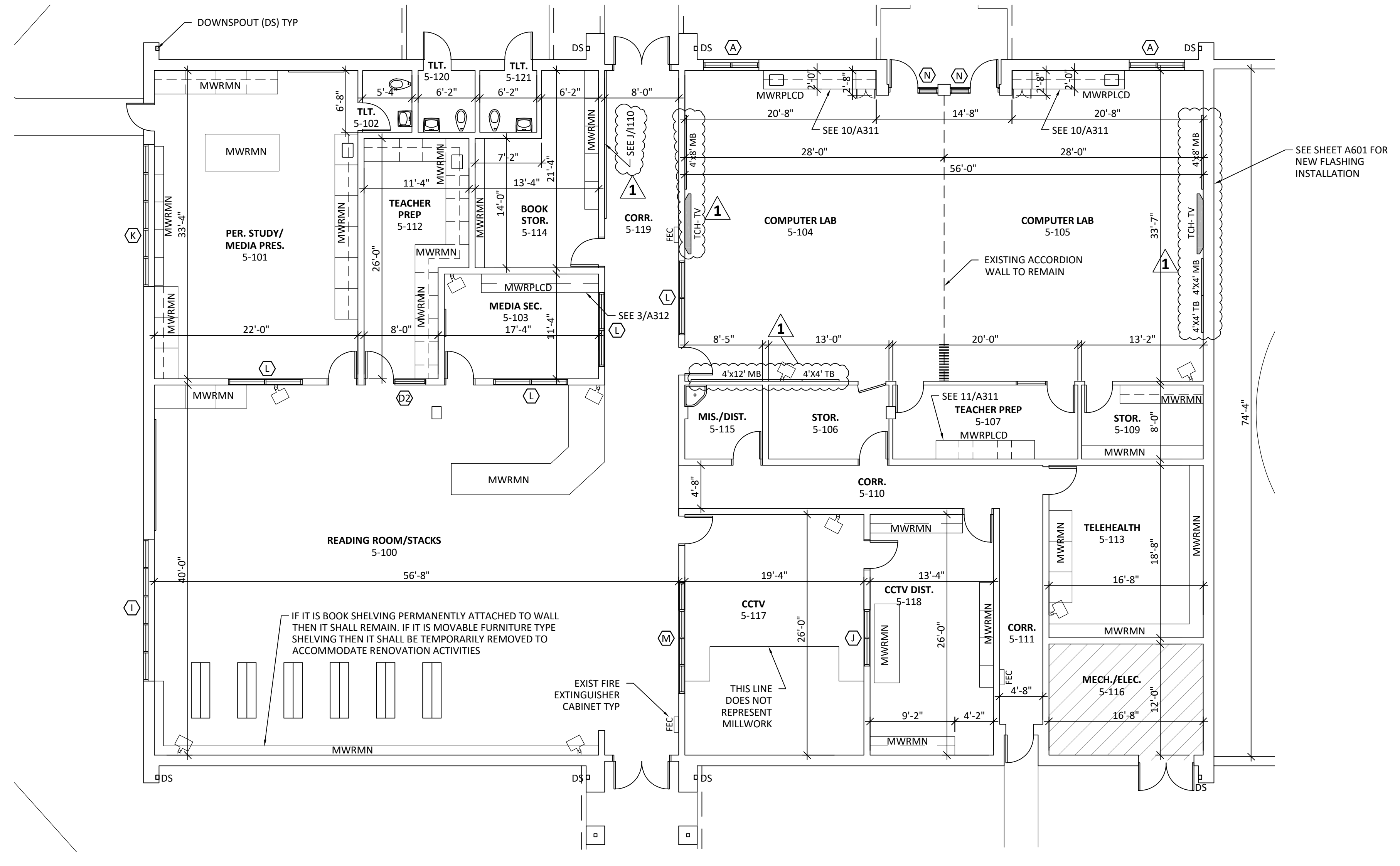
DELIVERABLES
Schematic Design: None
Design Development: 20 July 2023
CD Owner Review Set: 18 January 2024
Bid Documents: 03 June 2024
Addendum No. 1: 05 July 2024

SHEET TITLE

**Buildings 5
Scope of Work Plan**

SHEET NUMBER

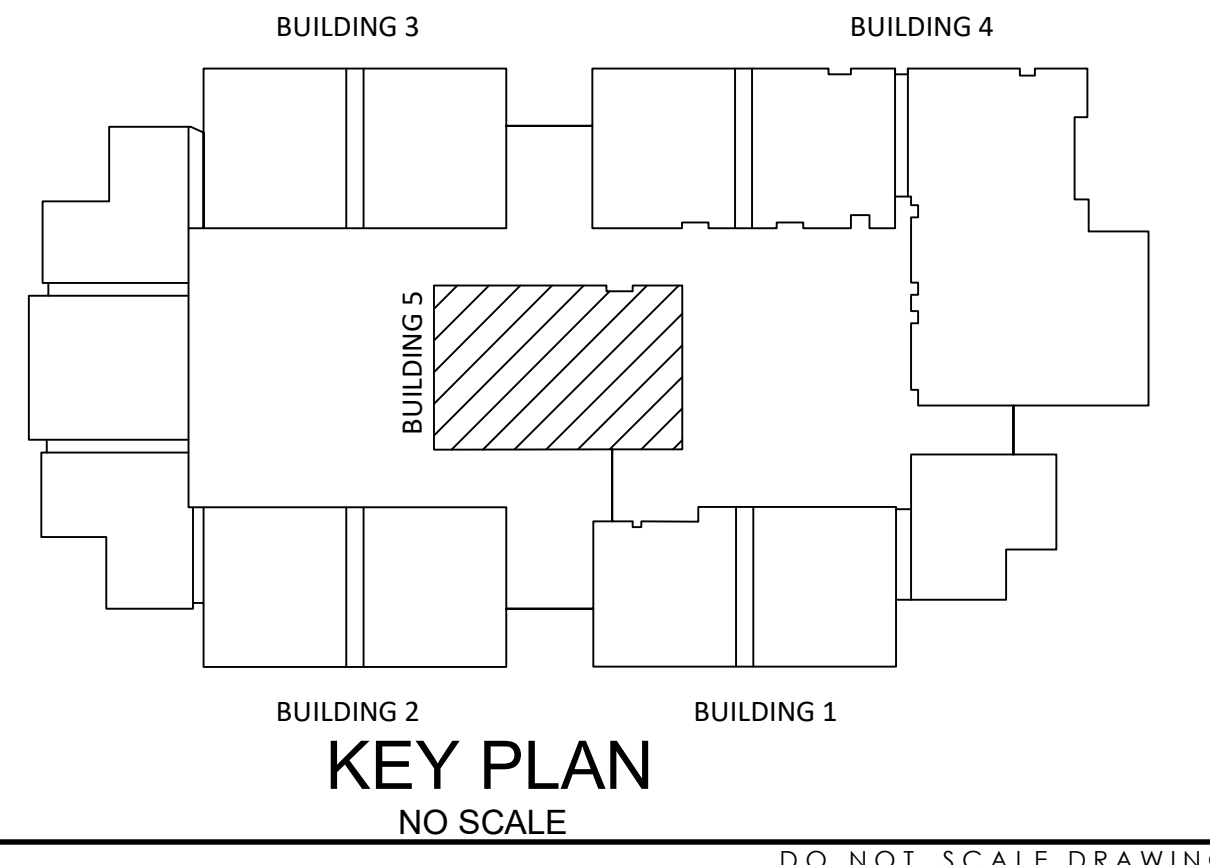
A106



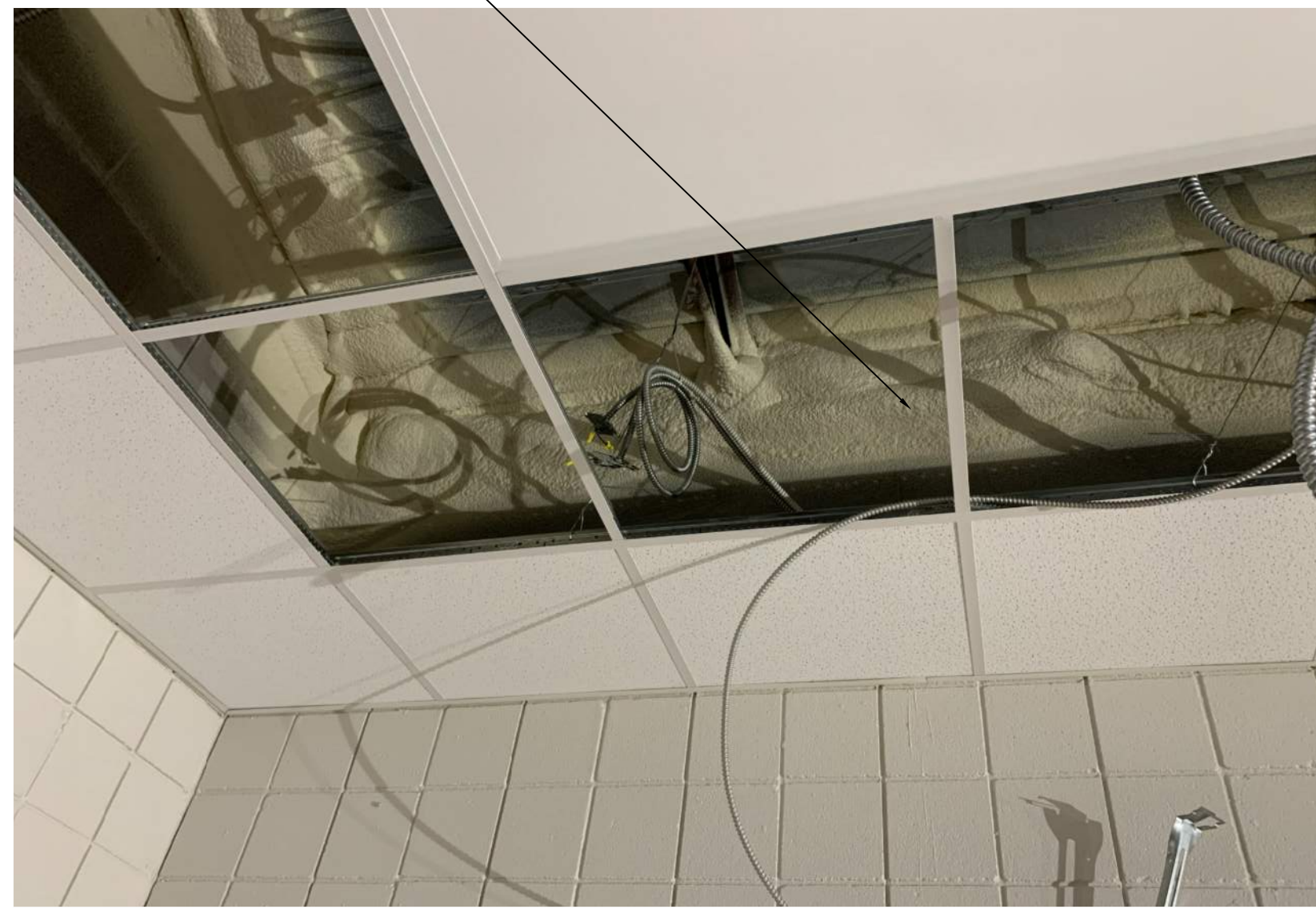
PLAN LEGEND

- EXISTING WALL MOUNTED SPEAKER - SEE ELECTRICAL
- DEMO-RWP DEMO RETRACTABLE WALL PARTITION. SEE SHEET A101A AND A302
- NEW-WALL NEW WALL. SEE SHEET A101A AND A302
- NEW-ECC SEE SHEET A304 FOR DESCRIPTION. THERE ARE NO NEW FIRE EXTINGUISHER CABINETS
- CUBBIES EXISTING CUBBIES SHALL BE PERMANENTLY REMOVED. OWNER WILL PROVIDE NEW CUBBIES AS FURNITURE
- MWRMN EXISTING MILLWORK AND WOOD SHELVING SHALL REMAIN AND SHALL BE THOROUGHLY CLEANED
- MWRPLCD EXISTING MILLWORK SHALL BE REMOVED AND REPLACED WITH NEW MILLWORK
- ECH EXISTING ELECTRICAL AND DATA VERTICAL WALL CHASE
- MB NEW MARKER BOARD
- TB NEW TACK BOARD
- TBV NEW 60" LENGTH X 36" HEIGHT TACK BOARD AT CLASSROOM VESTIBULE LOCATED ABOVE NEW OWNER PROVIDED CUBBIES. BOTTOM OF TACK BOARD AT 5'-6" ABOVE FINISH FLOOR. PRIOR TO PURCHASING COORDINATE WITH NEW OWNER PROVIDED CUBBIE FURNITURE
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- TBCC NEW 96" LENGTH X 48" HEIGHT TACK BOARD AT CLASSROOM CORRIDORS. BOTTOM OF TACK BOARD AT 3'-9" ABOVE FINISH FLOOR. PRIOR TO INSTALLING COORDINATE INSTALLATION LOCATIONS AND HEIGHTS WITH OWNER.

1 FLOOR PLAN - BUILDING 5
A106 1/8" = 1'-0"

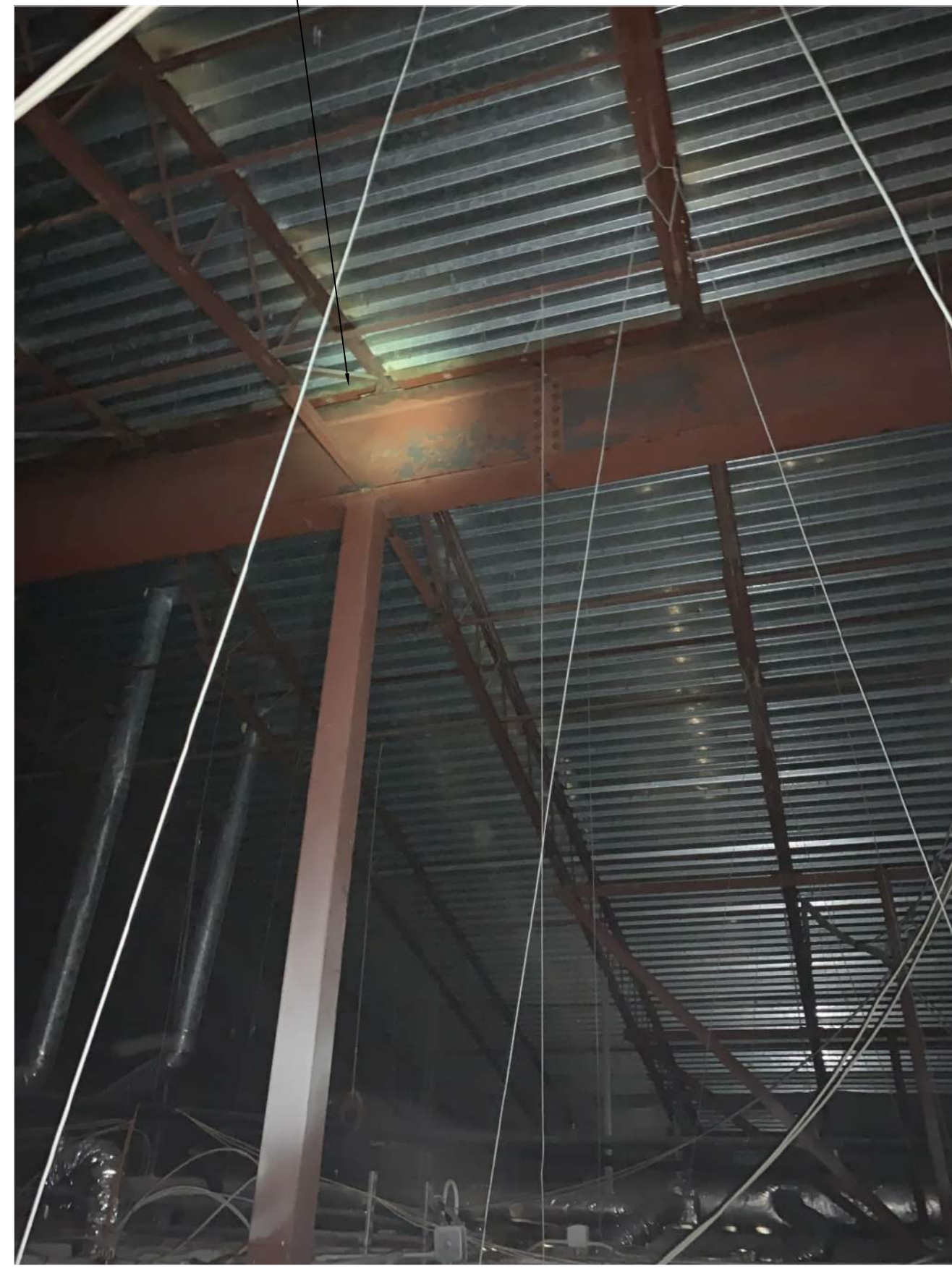


THIS PHOTO REPRESENTS AN EXAMPLE OF THE COMPLETED INSTALLATION OF SPRAY FOAM INSULATION AT THE ROOF RAKES AND THE ROOF EAVES



4 EXAMPLE OF INSULATION INSTALLATION
A121 NOT-TO-SCALE

ROOF EAVES AND RAKES NEW SPRAY FOAM INSULATION.
1. ALL EXISTING ROOF RIDGES AND HIPPED RIDGES SHALL BE PROVIDED WITH NEW SPRAY FOAM INSULATION.
2. SPRAY FOAM SHALL BE INSTALLED INTO THE JOINT/SPACE BETWEEN THE BOTTOM OF ROOF DECK AND THE TOP OF STEEL BEAM THE FULL DEPTH OF THE JOINT/SPACE AND THEN EXTENDED 1" ONTO BOTH THE BOTTOM INSIDE FACE OF THE ROOF DECK AND INSIDE FACE OF STEEL BEAM. PROVIDE AT BOTH SIDES OF STEEL BEAM. FOAM SHALL BE 6" MINIMUM THICKNESS AS SHOWN IN THE IMAGE.



3 INSULATION DETAIL AT ROOF RIDGES (TYPICAL)
A121 NOT-TO-SCALE

ROOF EAVES AND RAKES NEW SPRAY FOAM INSULATION.
1. ALL EXISTING ROOF RIDGES AND HIPPED RIDGES SHALL BE PROVIDED WITH NEW SPRAY FOAM INSULATION.
2. SPRAY FOAM SHALL BE INSTALLED INTO THE JOINT/SPACE BETWEEN THE BOTTOM OF ROOF DECK AND THE TOP OF STEEL BEAM THE FULL DEPTH OF THE JOINT/SPACE AND THEN EXTENDED 1" ONTO BOTH THE BOTTOM INSIDE FACE OF THE ROOF DECK AND INSIDE FACE OF STEEL BEAM. PROVIDE AT BOTH SIDES OF STEEL BEAM. FOAM SHALL BE 6" MINIMUM THICKNESS AS SHOWN IN THE IMAGE.



2 INSULATION DETAIL AT ROOF EAVES & RAKES (TYPICAL)
A121 NOT-TO-SCALE



IMAGE 5A

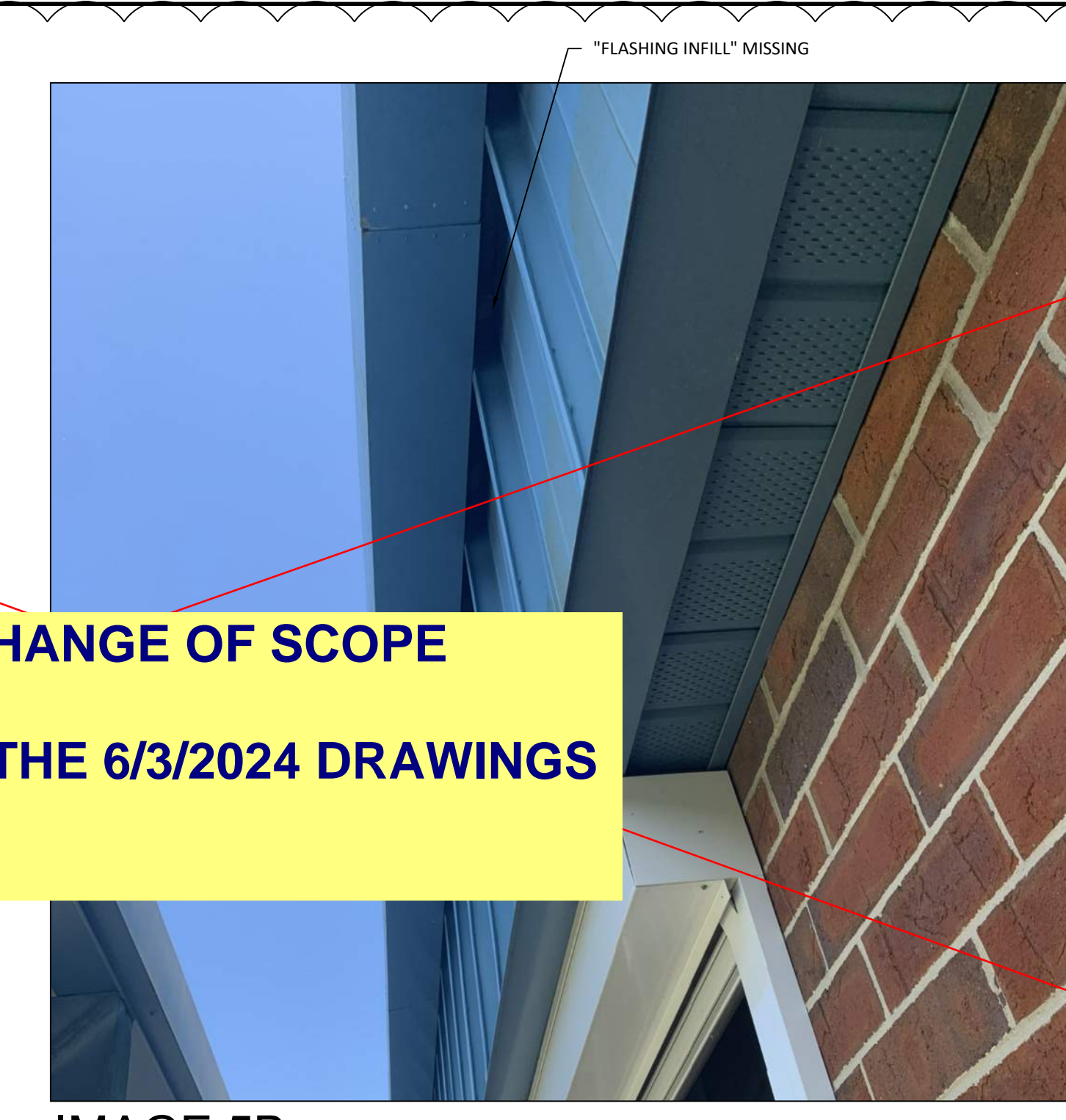


IMAGE 5B

DISREGARD THIS CHANGE OF SCOPE
BID AS SHOWN ON THE 6/3/2024 DRAWINGS

~~FLASHING INFILL" SCOPE
CONTRACTOR SHALL INCLUDE THE BID PRICE TO REPAIR / REPLACE 500 LINEAR FEET OF FLASHING INFILL. WORK CURRENTLY MISSING. NEW FLASHING INFILL SHALL BE MECHANICALLY ATTACHED.~~

5 "FLASHING INFILL" BETWEEN GUTTERS AND METAL WALL PANELS
A121 NOT-TO-SCALE

ADDENDUM #1
METAL WALL PANEL
RENOVATIONS

PER ADDENDUM #1 ALL 'FLASHING INFILL' WORK HAS BEEN DELETED FROM THE PROJECT.

IN LIEU OF THE 'FLASHING INFILL' WORK THE CONTRACTOR SHALL RENOVATE THE EXISTING METAL WALL PANELS AS DESCRIBED ON NEW DRAWING SHEET A122 ATTACHED TO ADDENDUM #1.



1 ROOF PLAN
A121 1" = 20'



H. MILLER CALDWELL, JR.
AR 7462

ARCHITECTURAL
Caldwell Associates

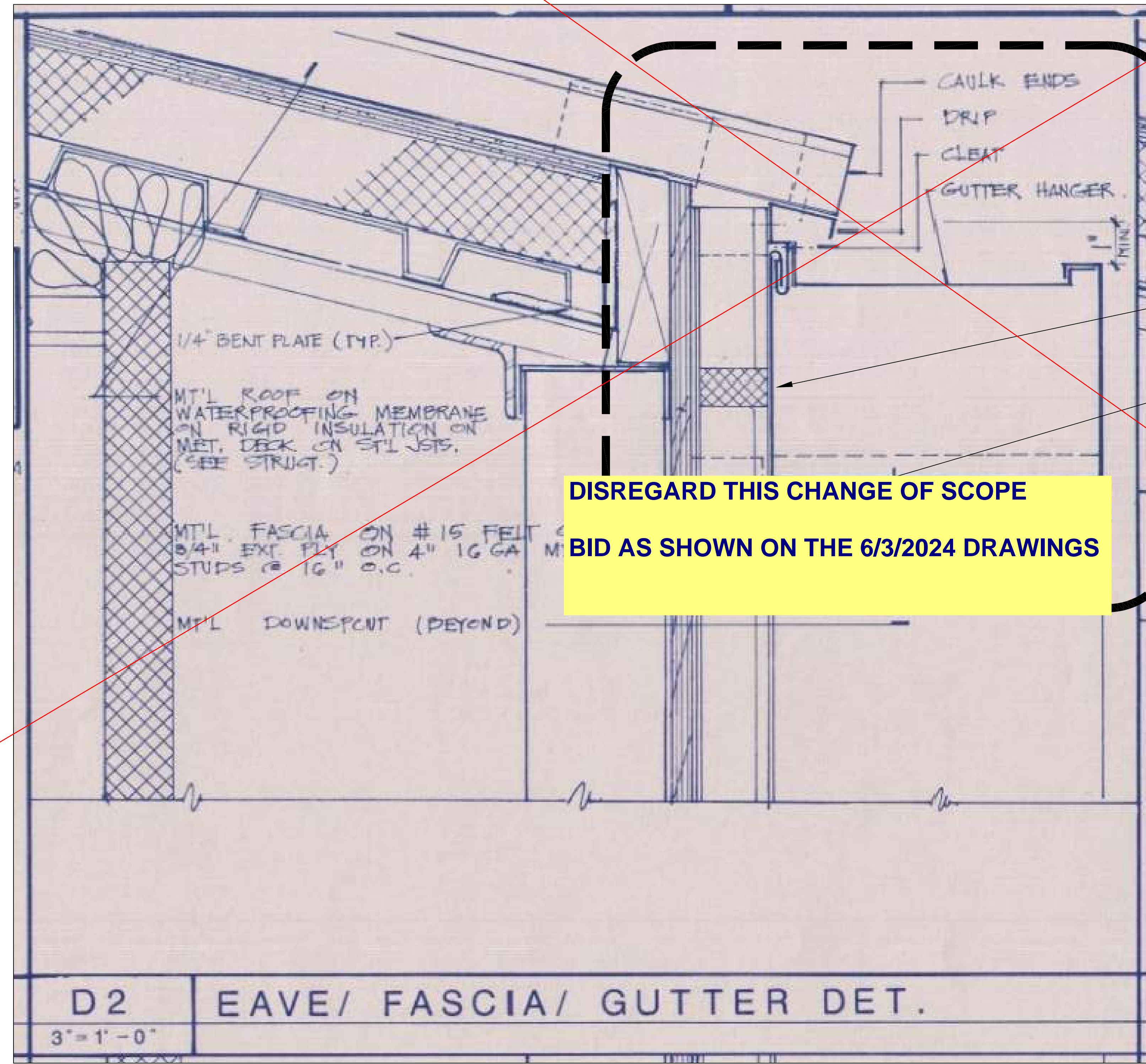
PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

ELECTRICAL
HG Engineers

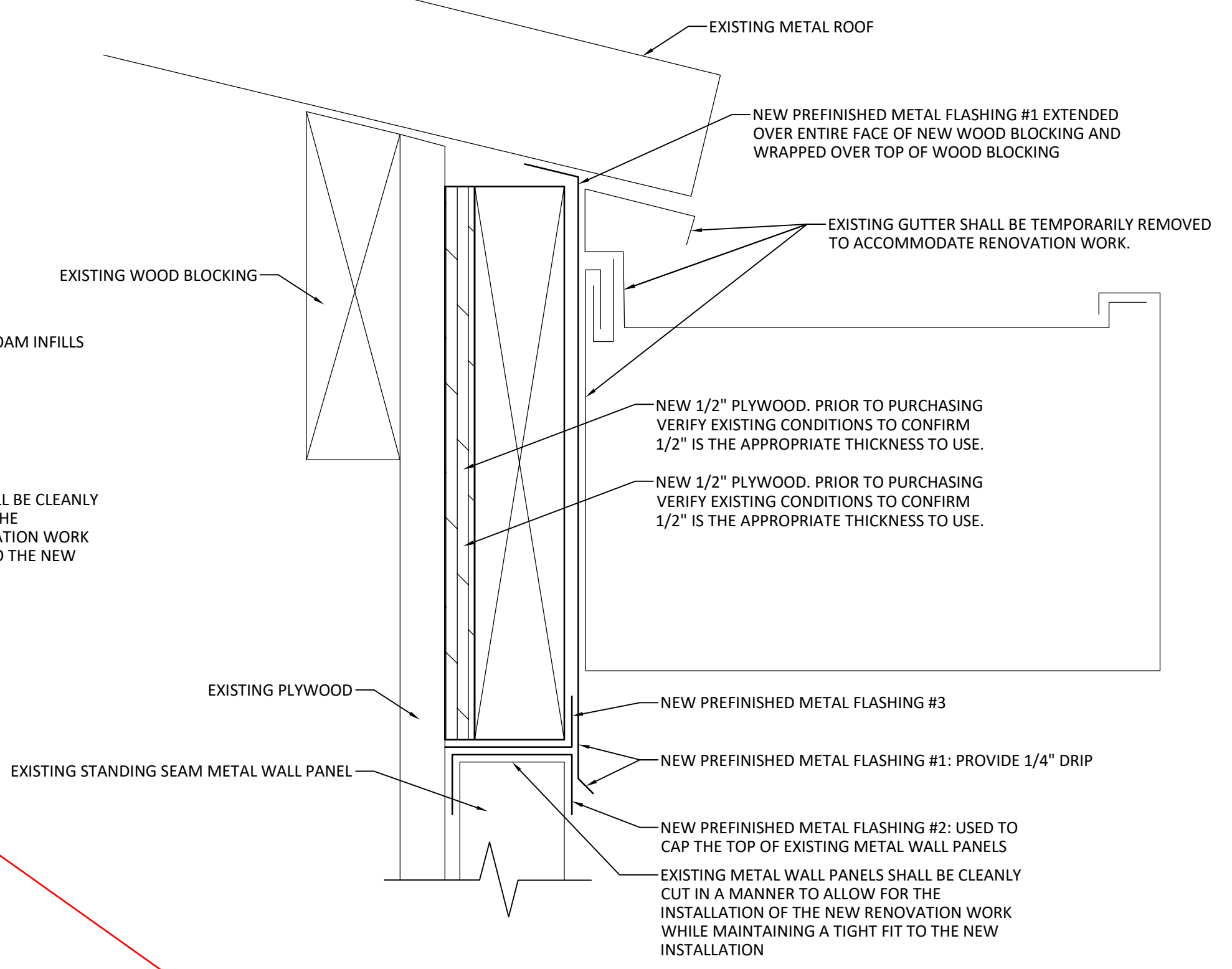
Architect No: 22045D

Schematic Design: None
Design Development: 20 July 2023
CD Owner Review Set: 18 January 2024
Bid Documents: 03 June 2024
Addendum No. 1: 05 July 2024



**DISREGARD THIS CHANGE OF SCOPE
BID AS SHOWN ON THE 6/3/2024 DRAWINGS**

1/A122



QUANTITY
FOR THE ABOVE DESCRIBED METAL WALL PANEL RENOVATION WORK THE CONTRACTOR SHALL INCLUDE IN THE BID 2,500 LINEAR FEET TO BE INSTALLED THROUGHOUT THE ENTIRE EXISTING SCHOOL BUILDING.

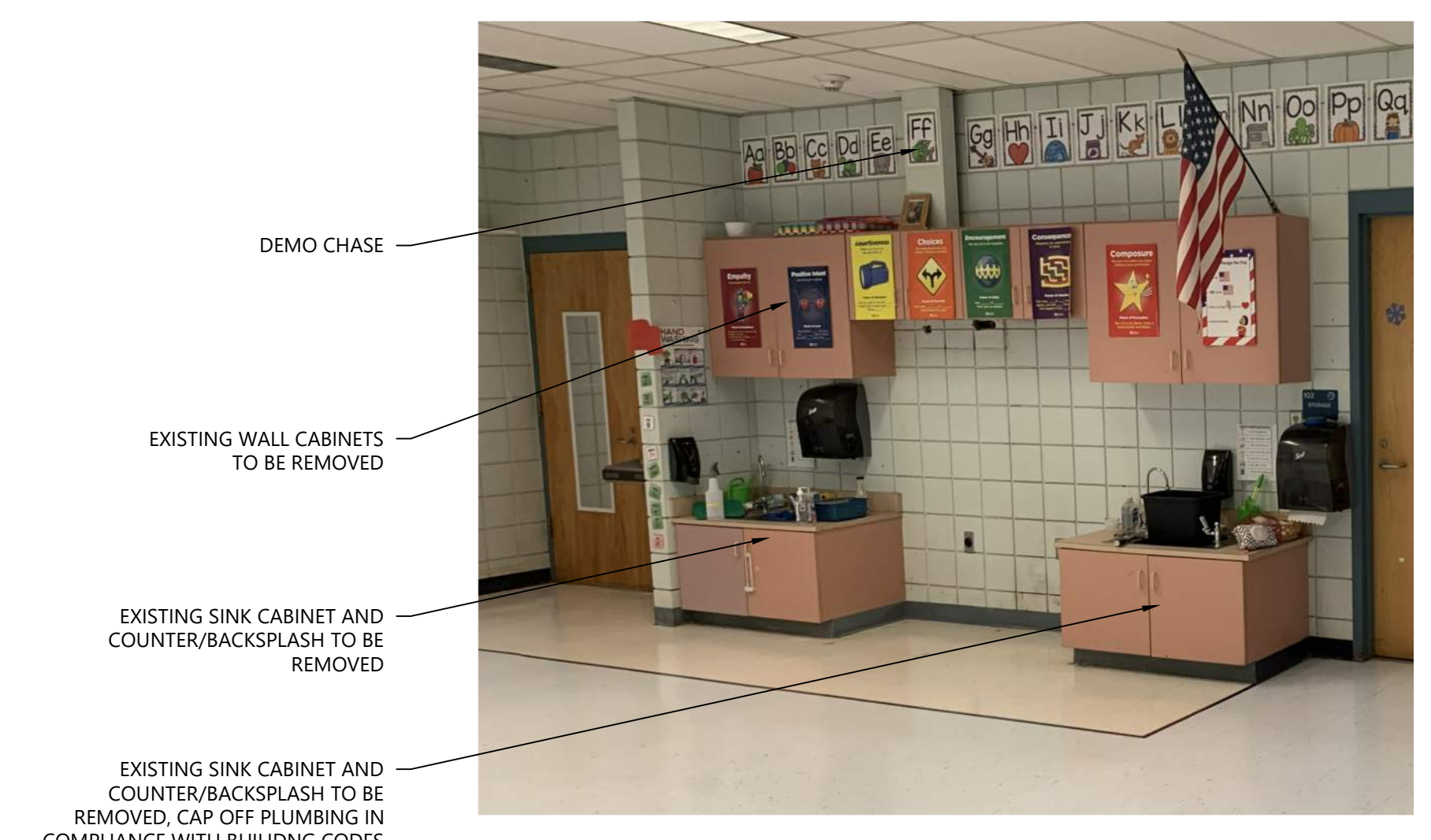
EXISTING CONDITIONS
ALL HIDDEN EXISTING CONDITIONS NOTED AND ILLUSTRATED IN THESE DRAWINGS ARE ASSUMPTIONS BASED UPON THE ORIGINAL CONSTRUCTION DRAWINGS. PRIOR TO PURCHASING ANY MATERIALS THE CONTRACTOR DURING CONSTRUCTION SHALL PERFORM FIELD INVESTIGATIONS OF THE EXISTING CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

DRAWING CLARIFICATIONS
FOR CLARIFICATION PURPOSES THE ELEMENTS IN THIS DRAWING WITH SPACE BETWEEN THEM TO CLEARLY SHOW THE ASSEMBLY OF EVERYTHING.

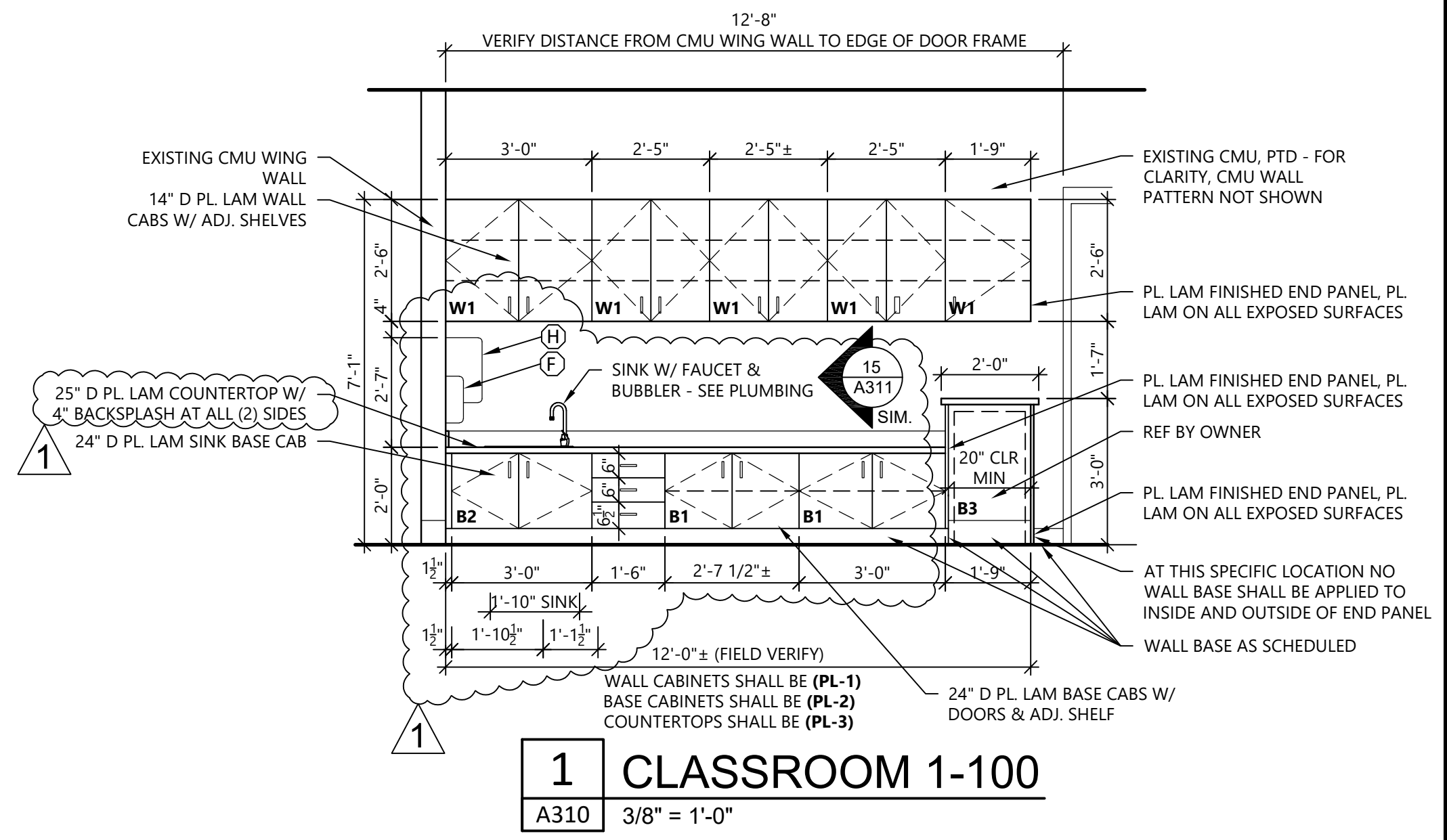
1
A122
RENOVATION OF EXISTING METAL WALL PANELS BEHIND GUTTERS
6" = 1'-0"

2
A122
ASSUMED EXISTING CONDITIONS
6" = 1'-0"

DRAWING OF EXISTING CONDITIONS
THE ABOVE DRAWING IS COPIED FROM THE CONSTRUCTION DOCUMENTS DATED 6-13-1991 THAT WERE USED TO CONSTRUCT THE ASSUMED EXISTING CONDITIONS. THE DRAWING IS ON SHEET A-9.3



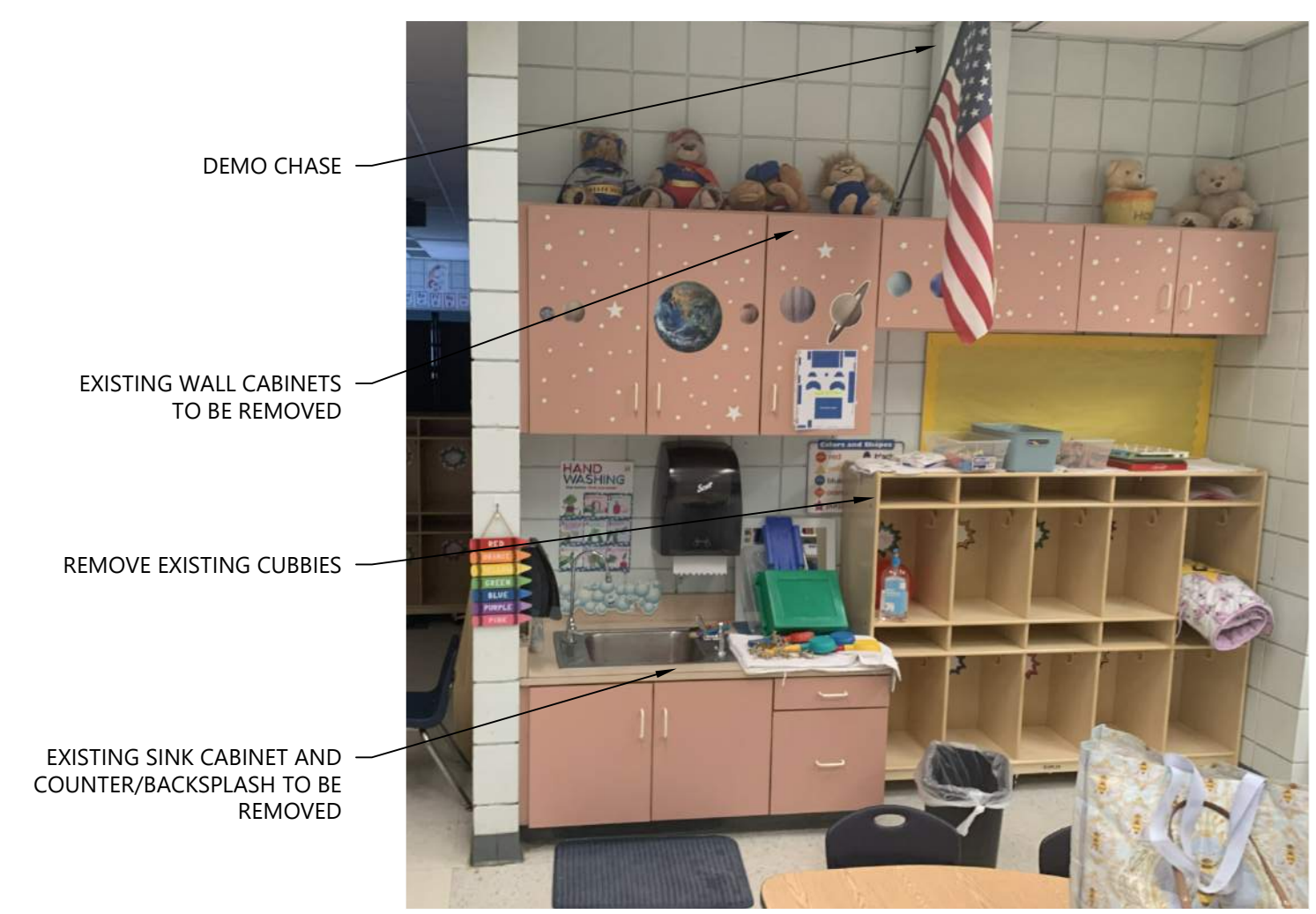
1A CLASSROOM 1-100
A310 N.T.S.



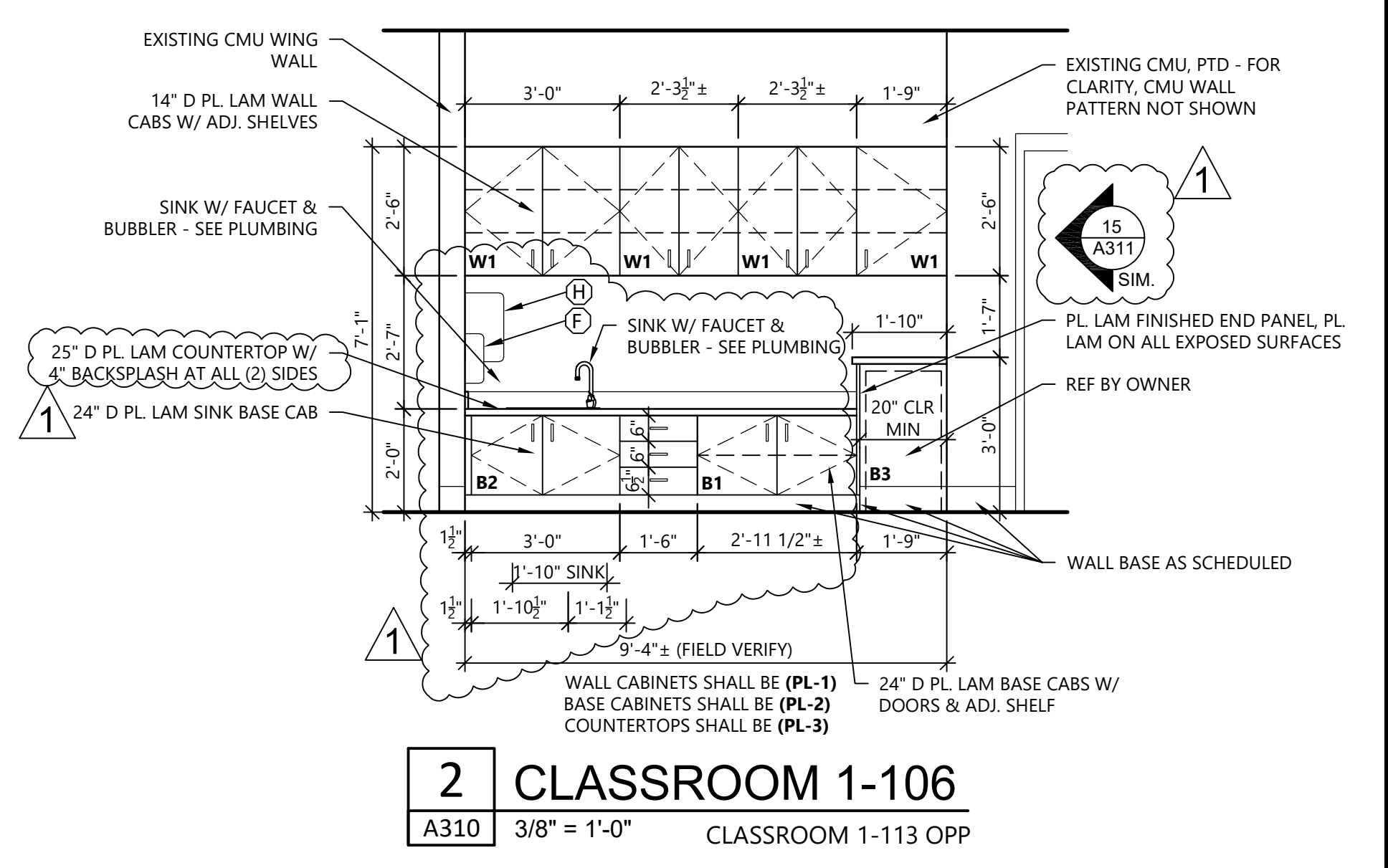
1 CLASSROOM 1-100
A310 3/8" = 1'-0"



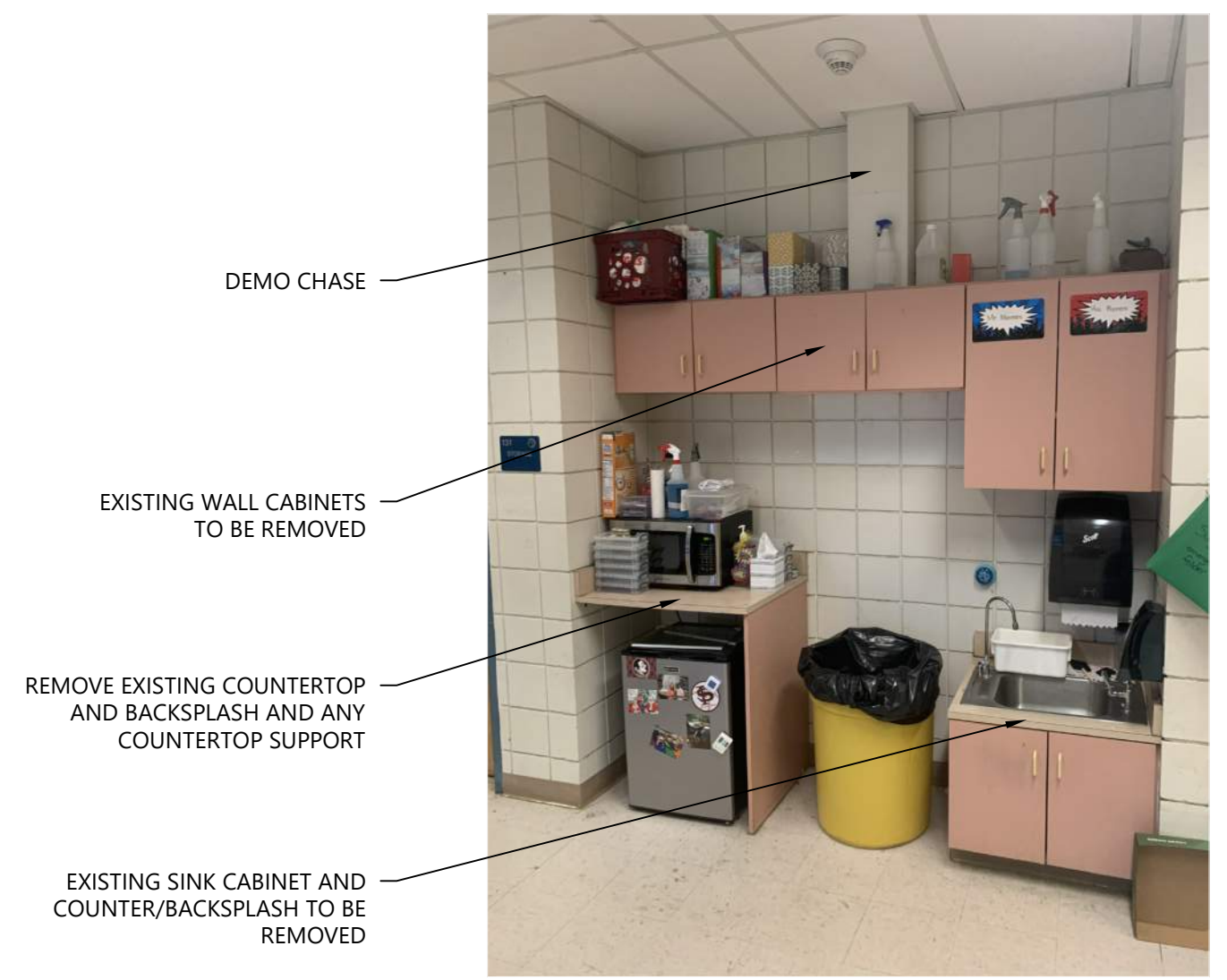
2B CLASSROOM 1-113
A310 N.T.S.



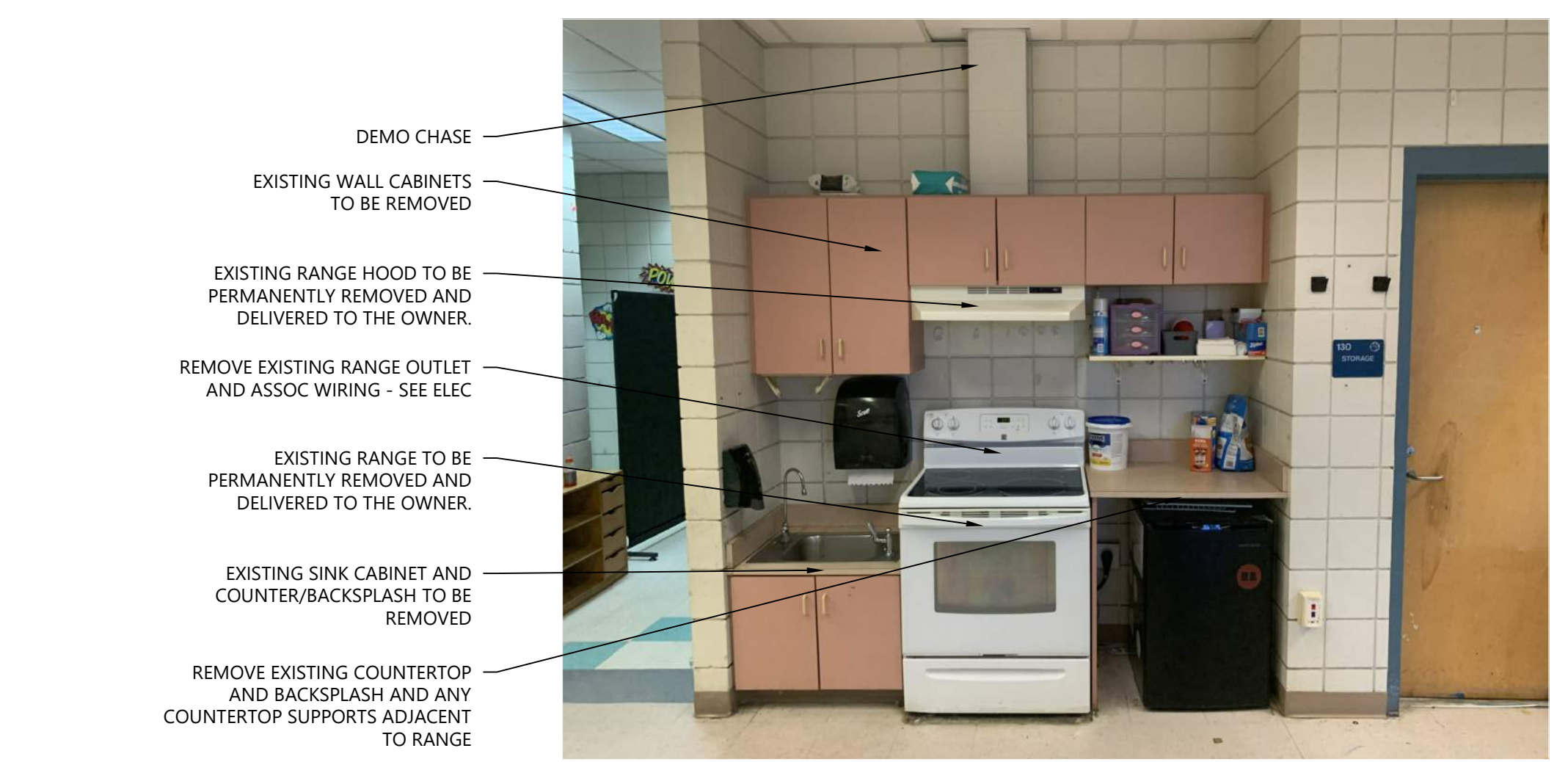
2A CLASSROOM 1-106
A310 N.T.S.



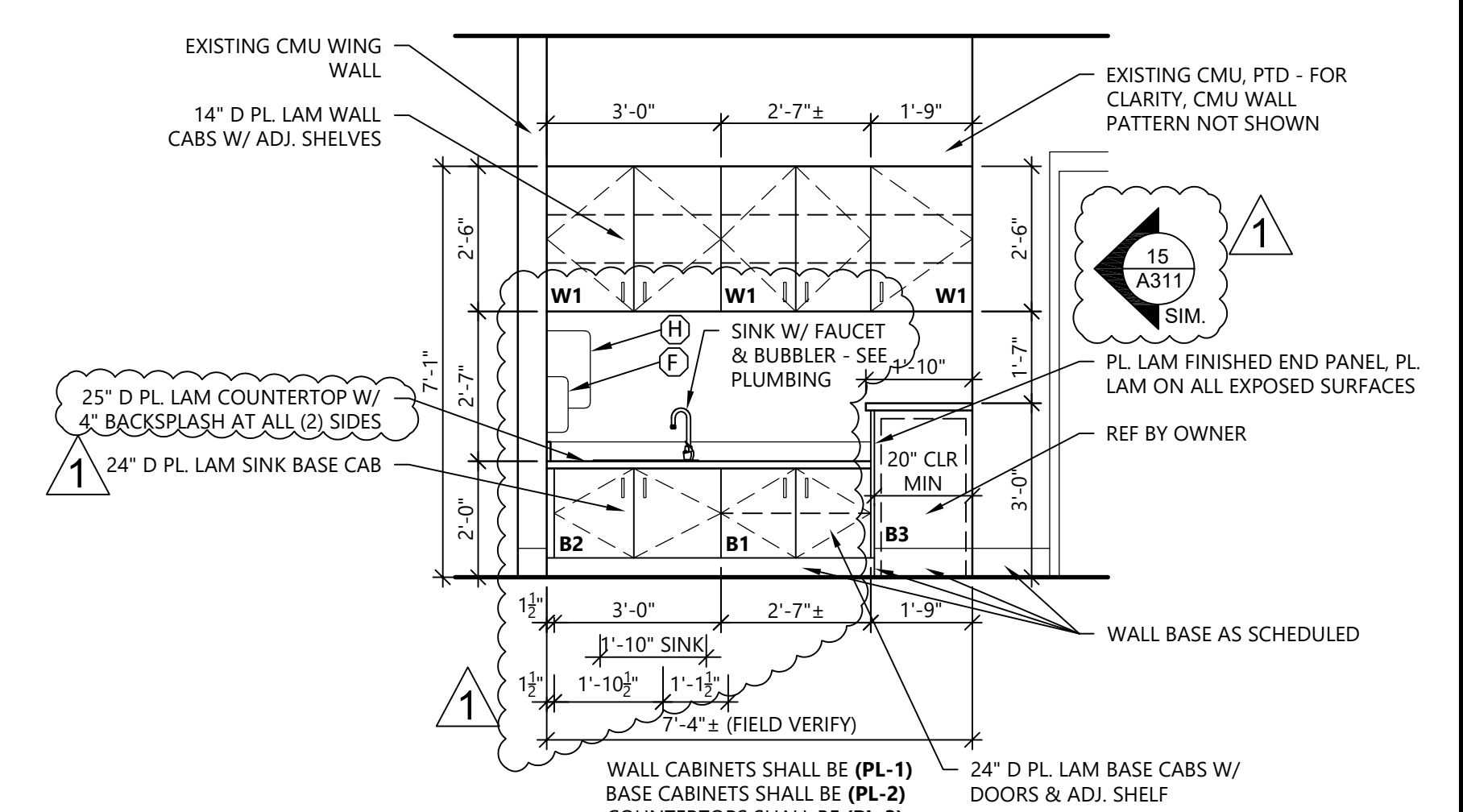
2 CLASSROOM 1-106
A310 3/8" = 1'-0" CLASSROOM 1-113 OPP



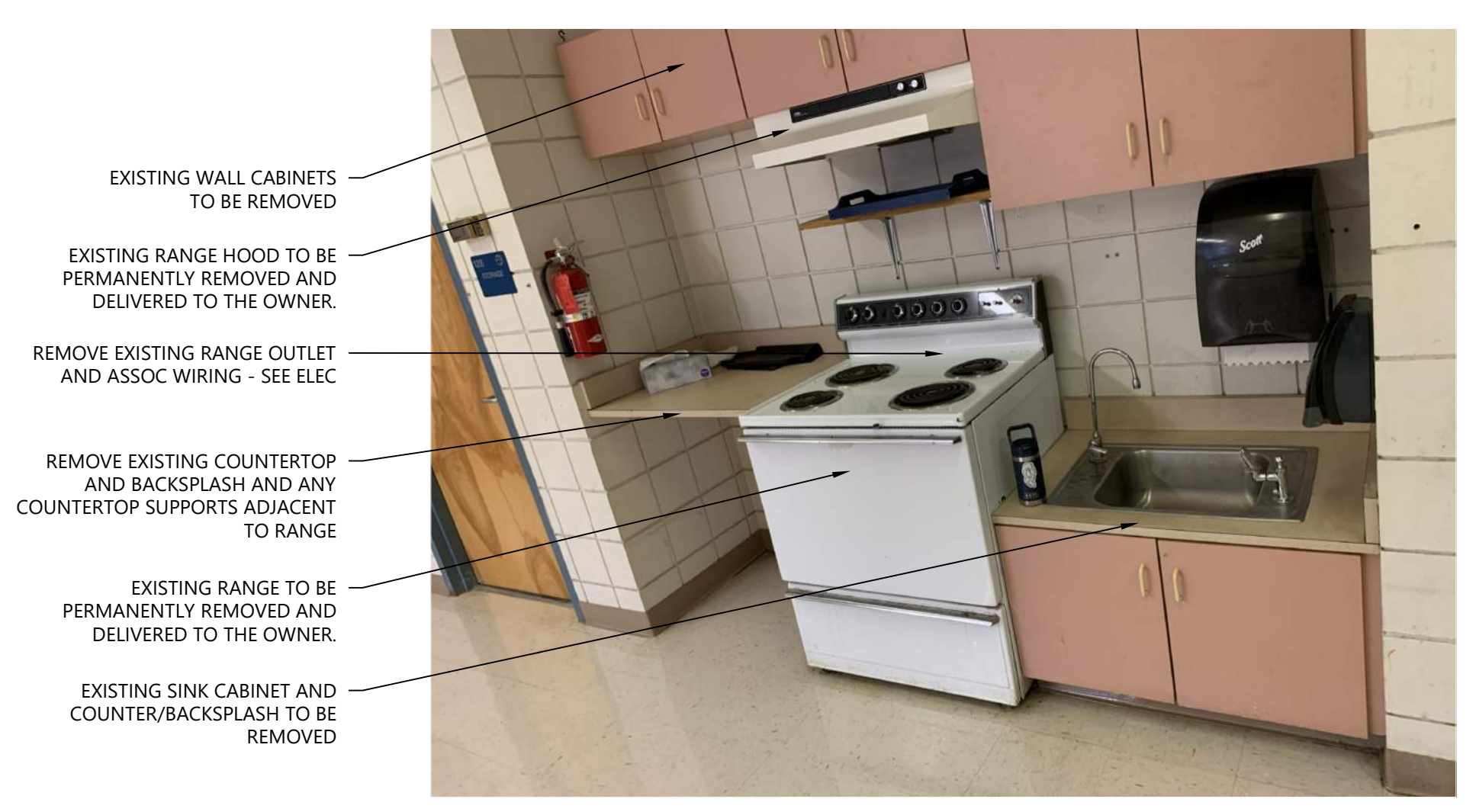
3B CLASSROOM 1-125
A310 N.T.S.



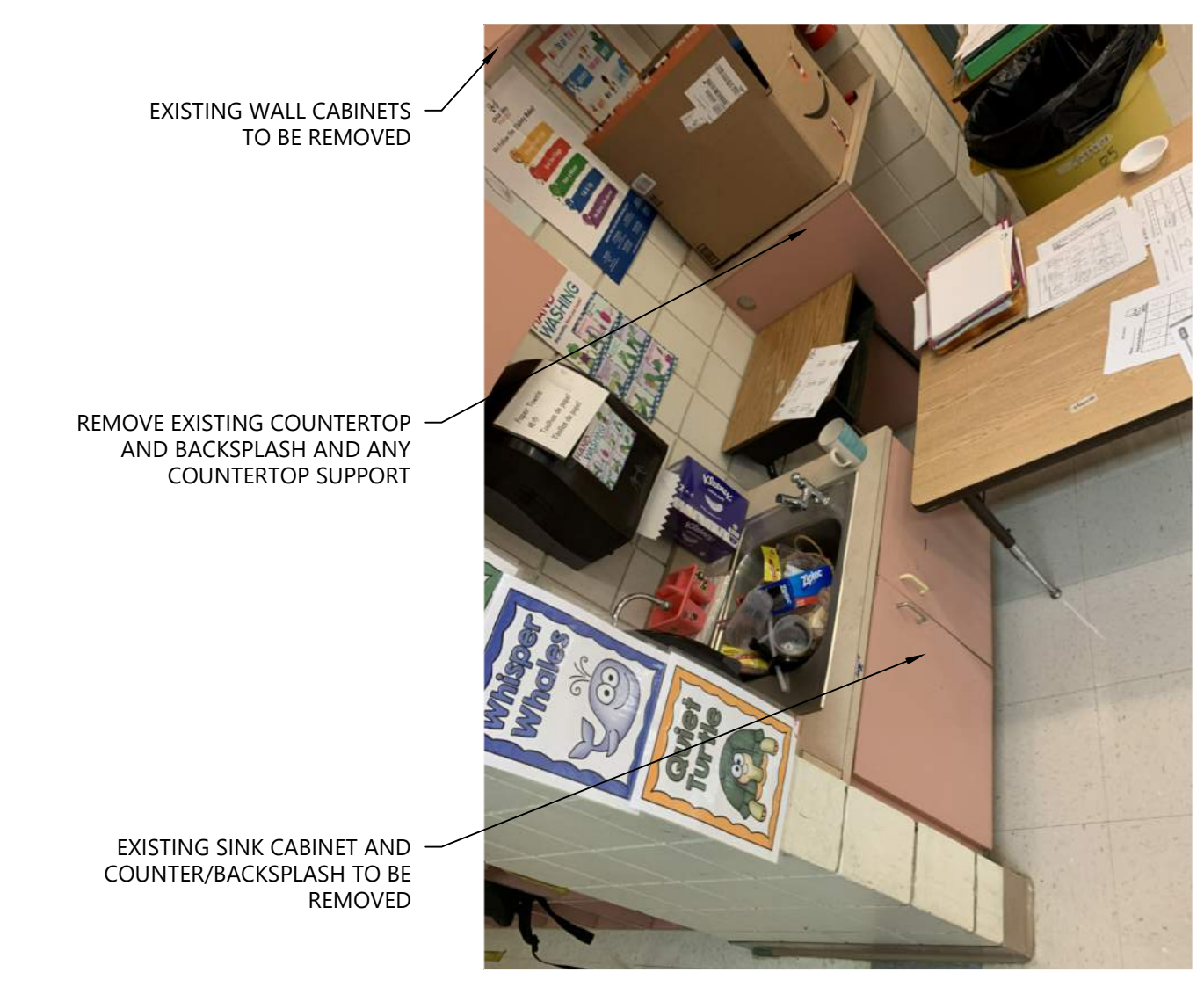
3A CLASSROOM 1-121
A310 N.T.S.



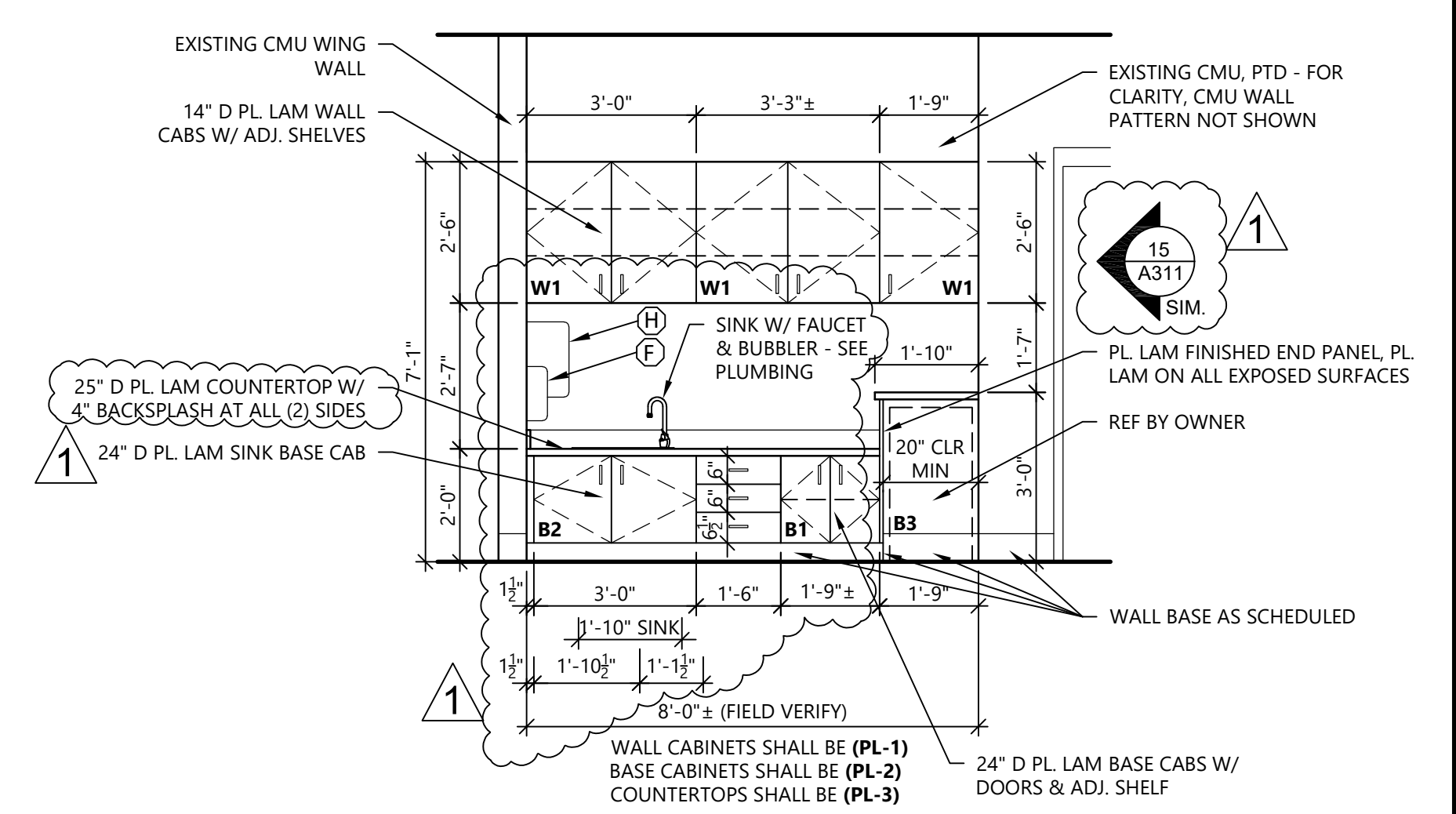
3 CLASSROOM 1-121
A310 3/8" = 1'-0" CLASSROOM 1-125 SIM/OPP



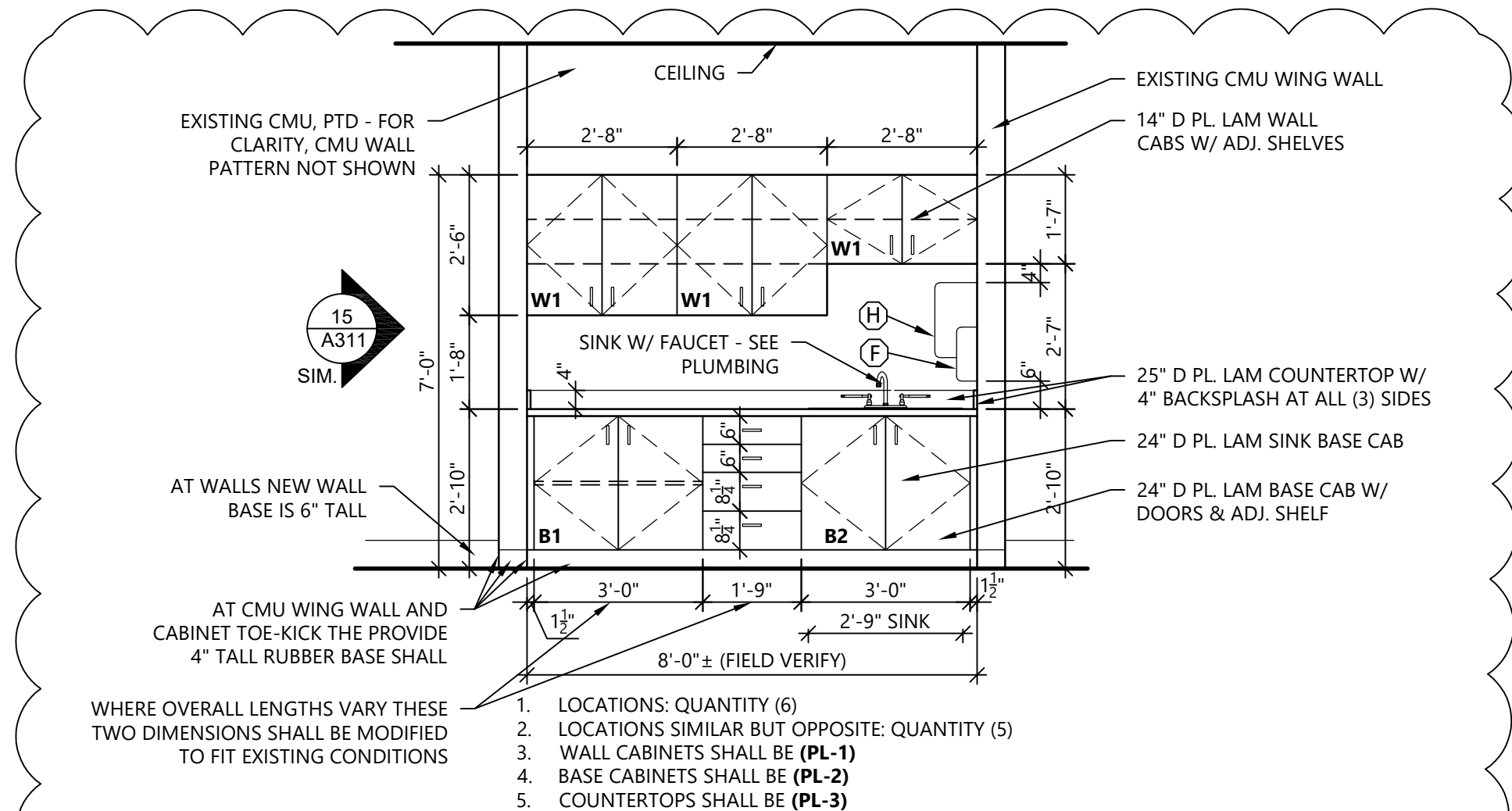
4B CLASSROOM 1-119
A310 N.T.S.



4A CLASSROOM 1-115
A310 N.T.S.

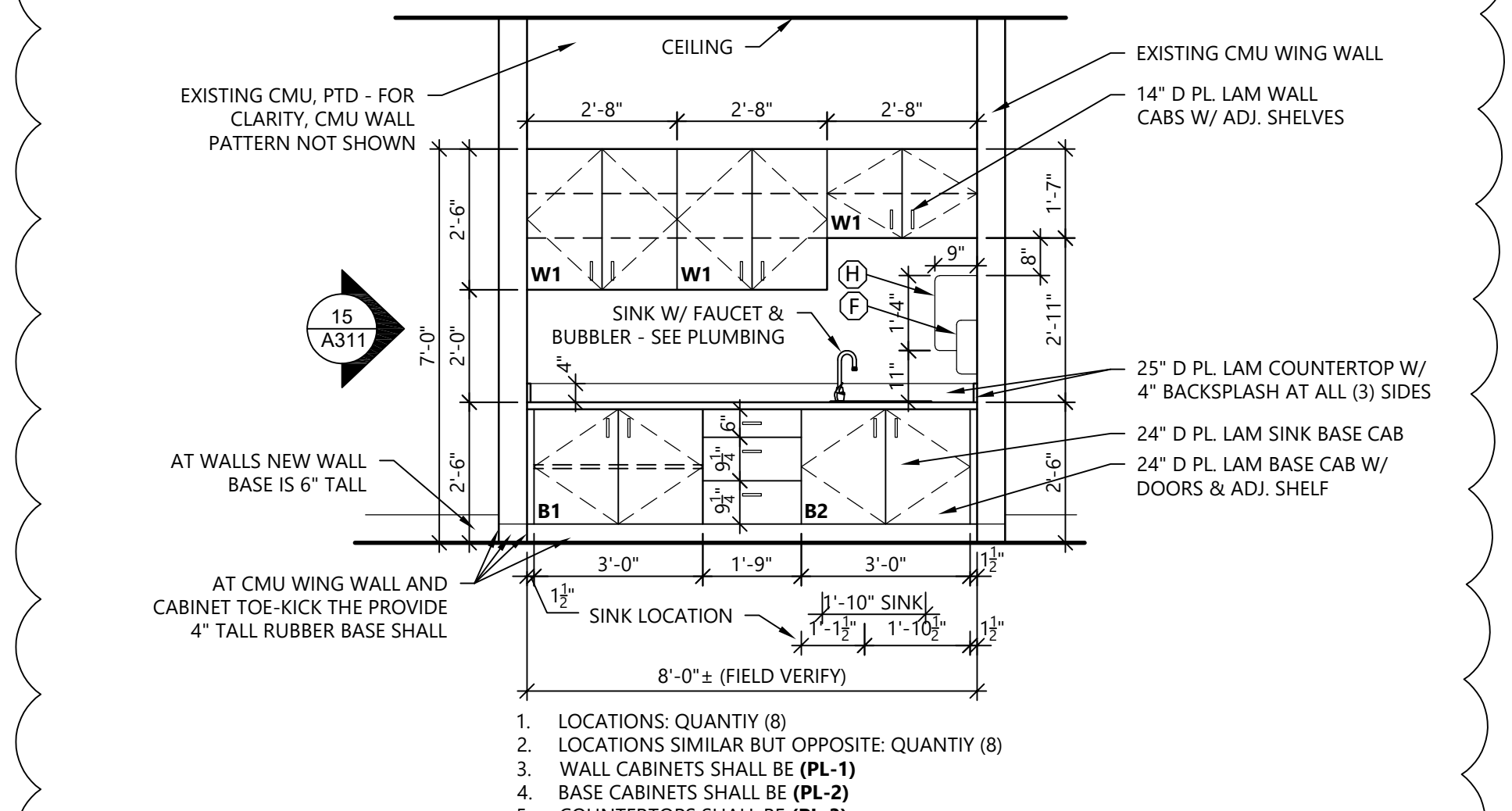


4 CLASSROOM 1-115
A310 3/8" = 1'-0" CLASSROOM 1-119 SIM/OPP



14 CLASSROOM MILLWORK - TYPE-2B

A311 3/8" = 1'-0"



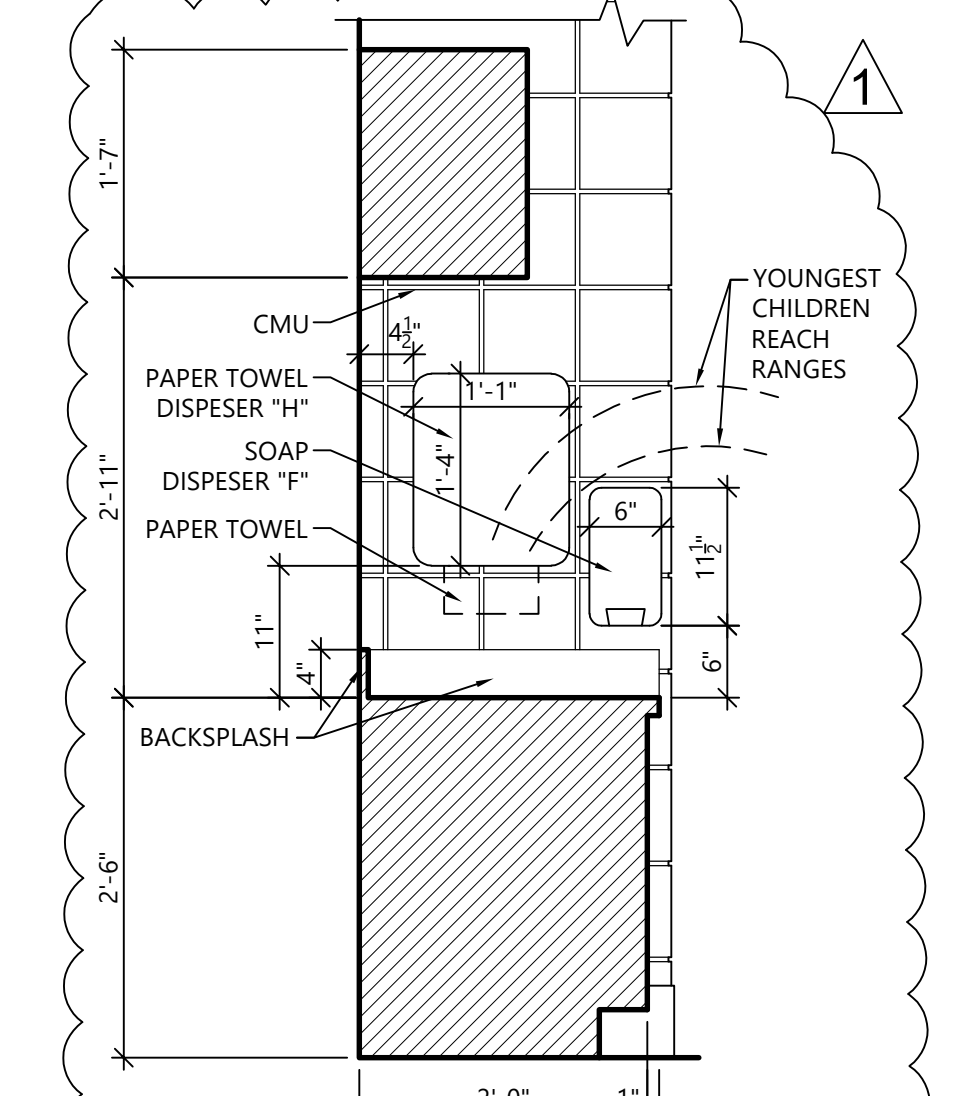
13 CLASSROOM MILLWORK - TYPE-2A

A311 3/8" = 1'-0"



12 CLASSROOM MILLWORK - TYPE-2
EXAMPLE EXISTING CONDITIONS

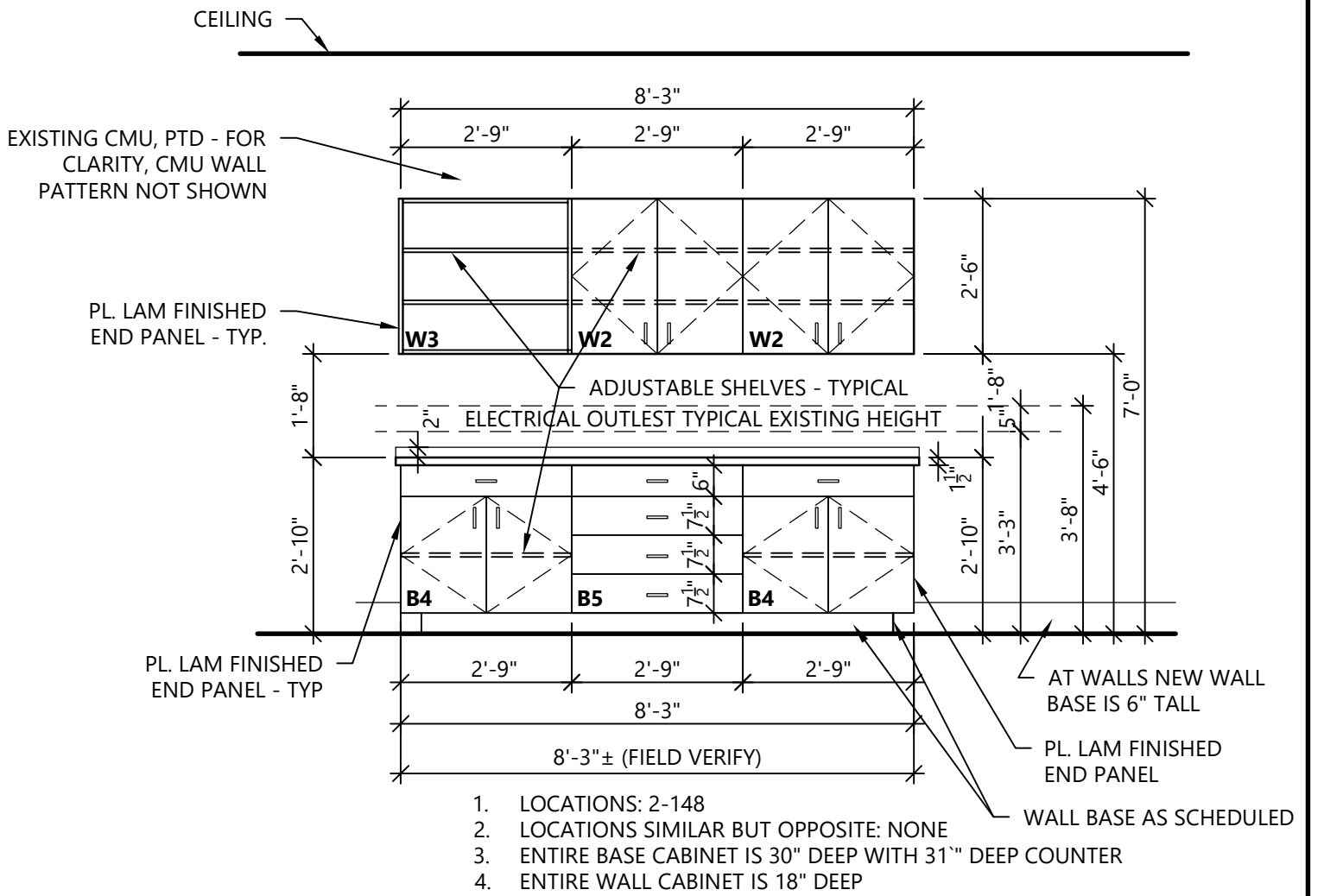
A311 3/8" = 1'-0"



15 SIDEWALL - TYPE-2A

A311 3/8" = 1'-0"

TYPE-2B SIMILAR



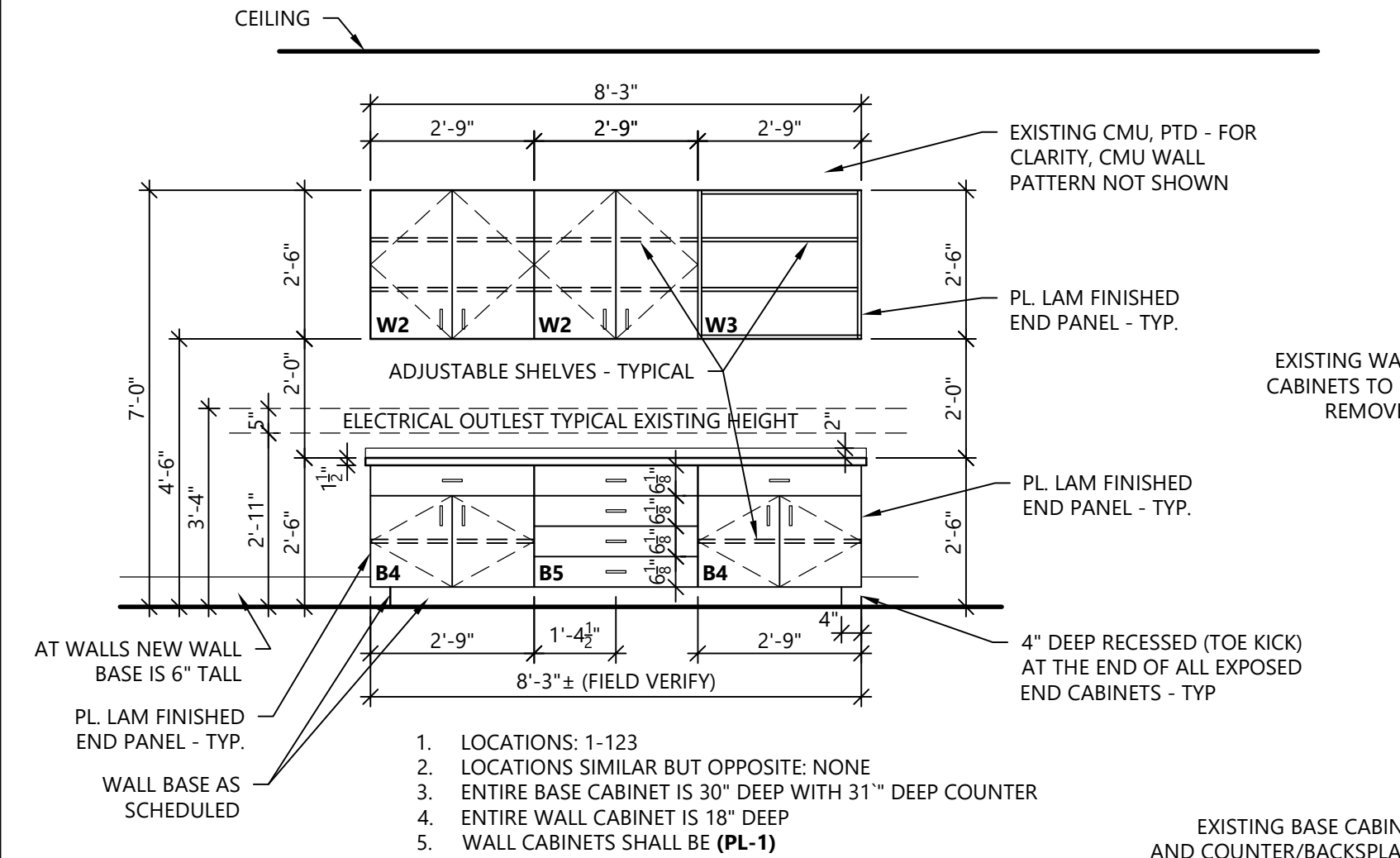
3 CLASSROOM MILLWORK - TYPE-1C

A311 3/8" = 1'-0"



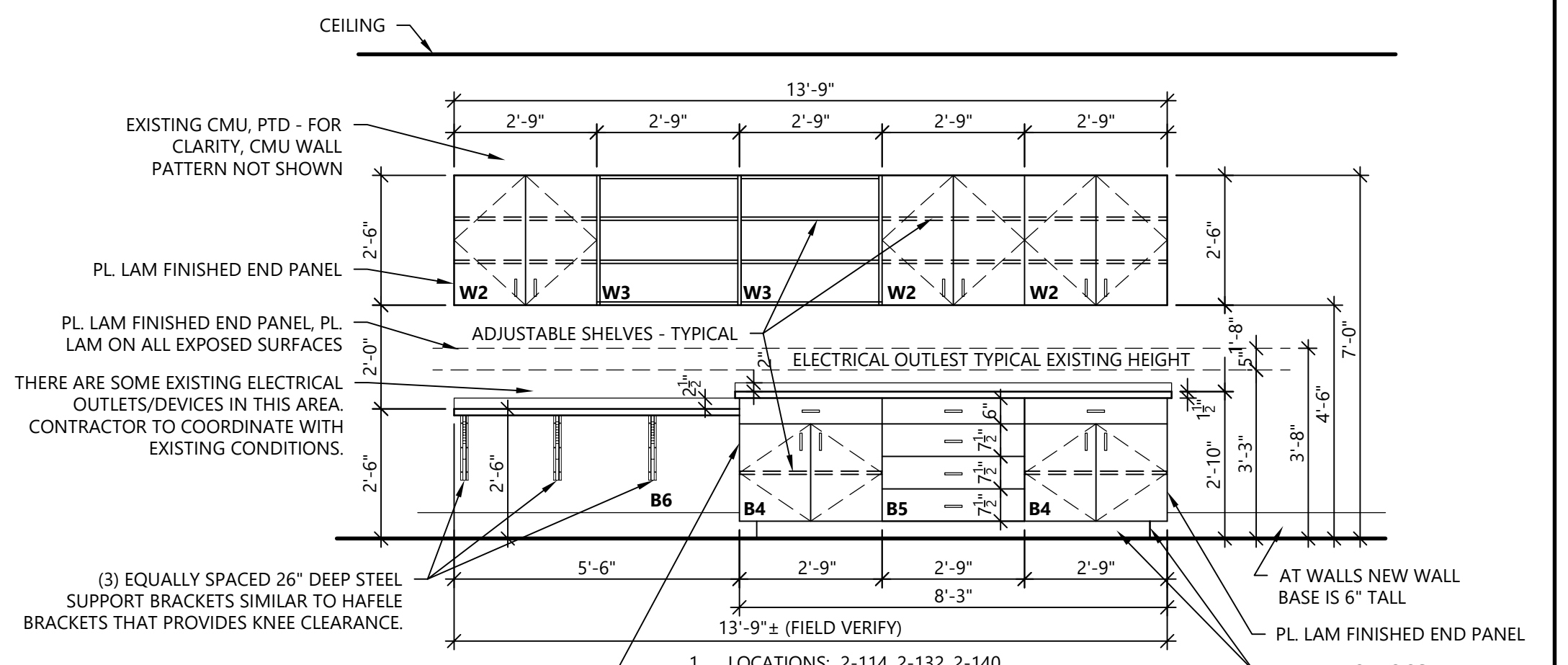
2 CLASSROOM MILLWORK - TYPE-1C
EXAMPLE EXISTING CONDITIONS

A311 3/8" = 1'-0"



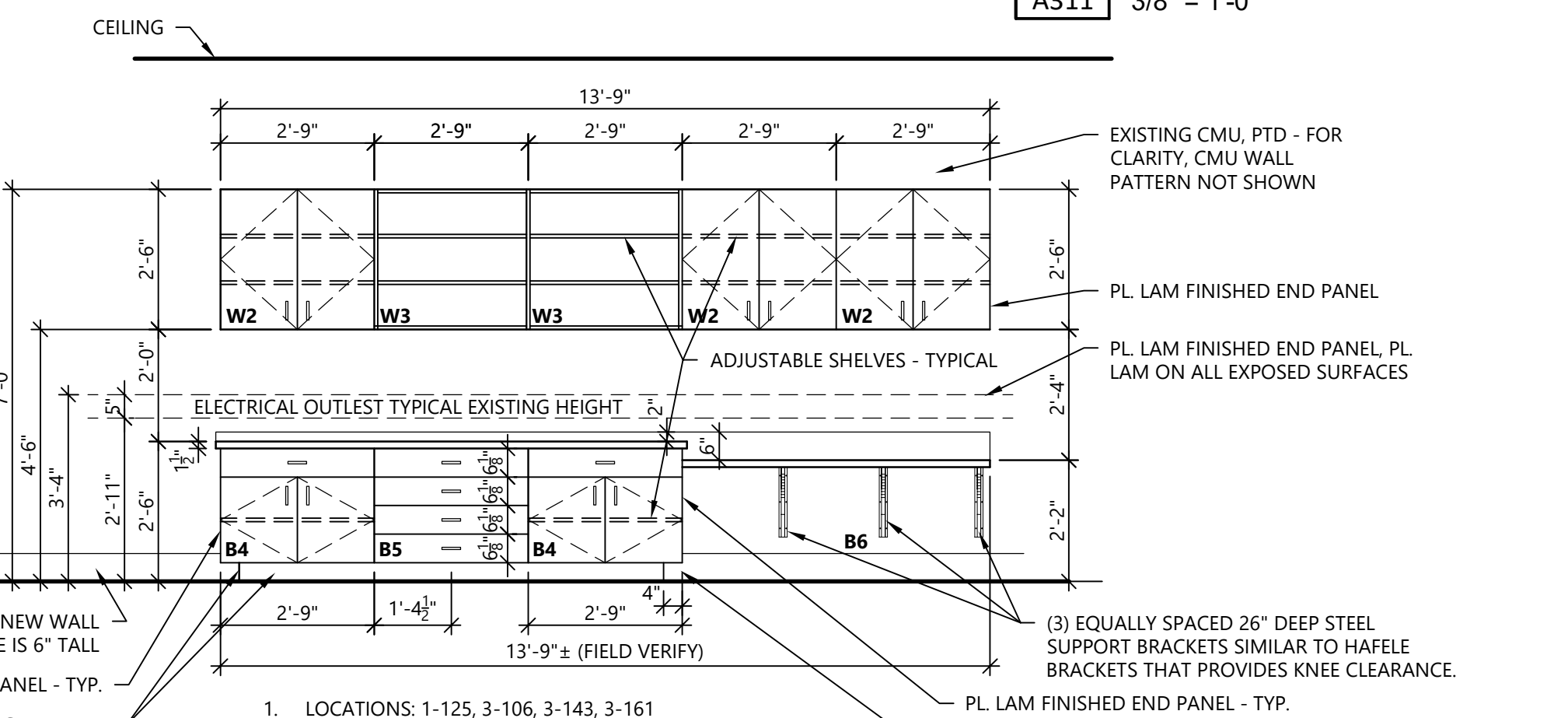
1 CLASSROOM MILLWORK - TYPE-1F

A311 3/8" = 1'-0"



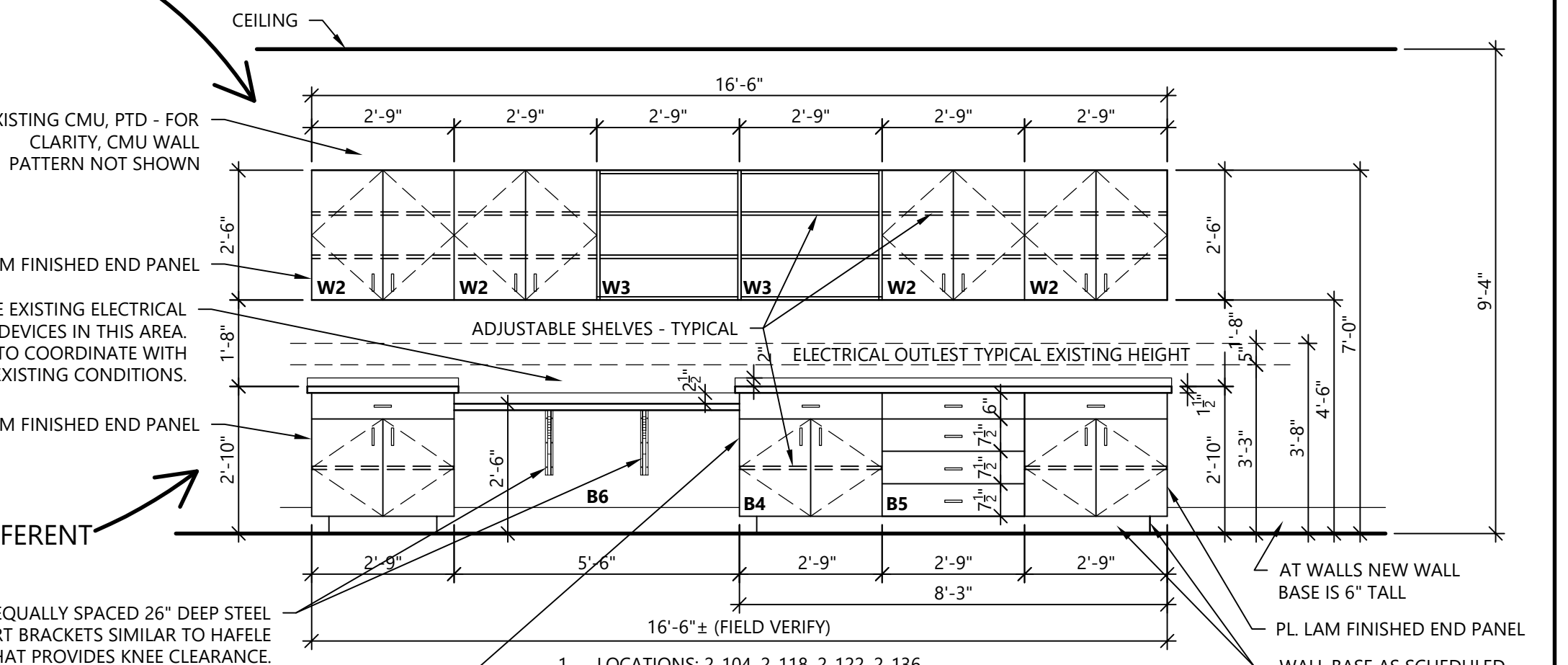
5 CLASSROOM MILLWORK - TYPE-1B

A311 3/8" = 1'-0"



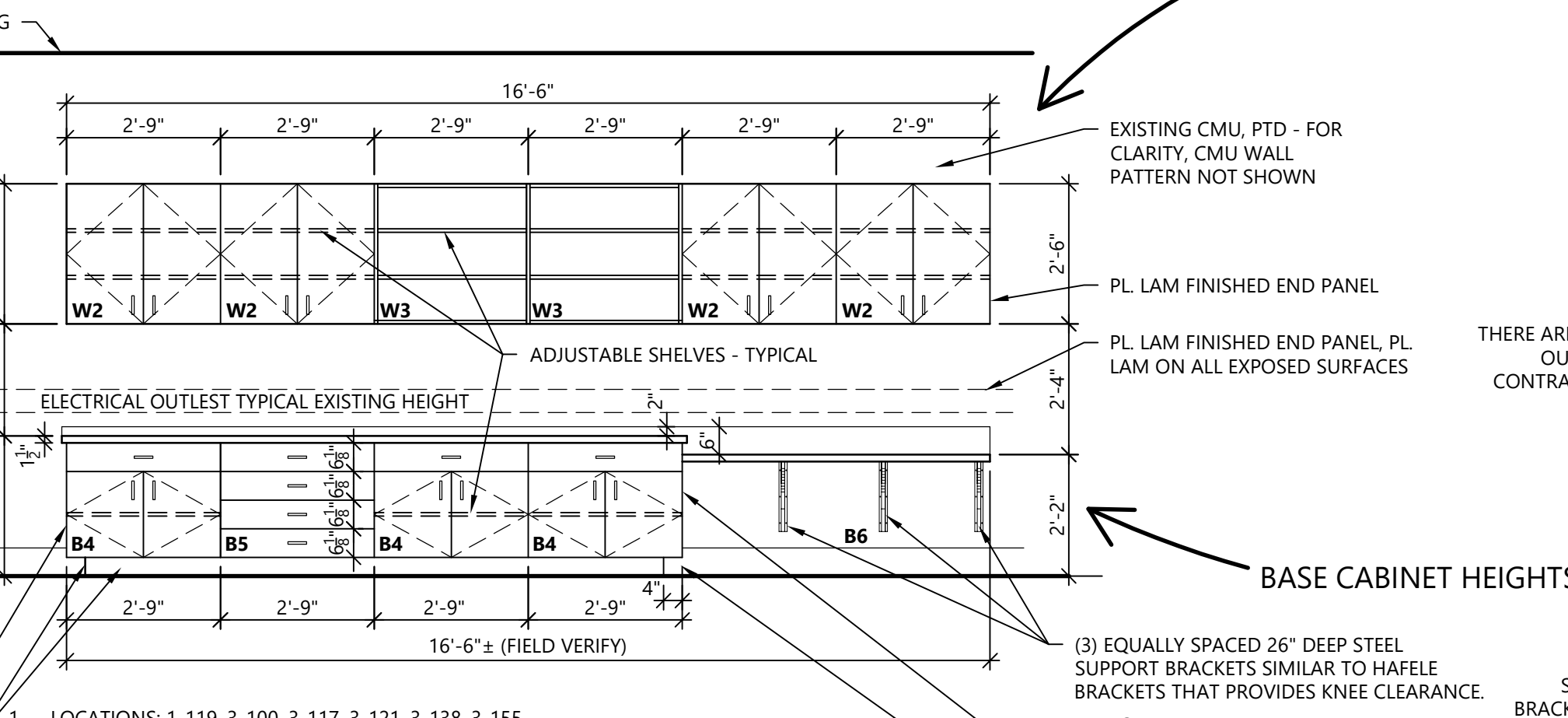
4 CLASSROOM MILLWORK - TYPE-1E

A311 3/8" = 1'-0"



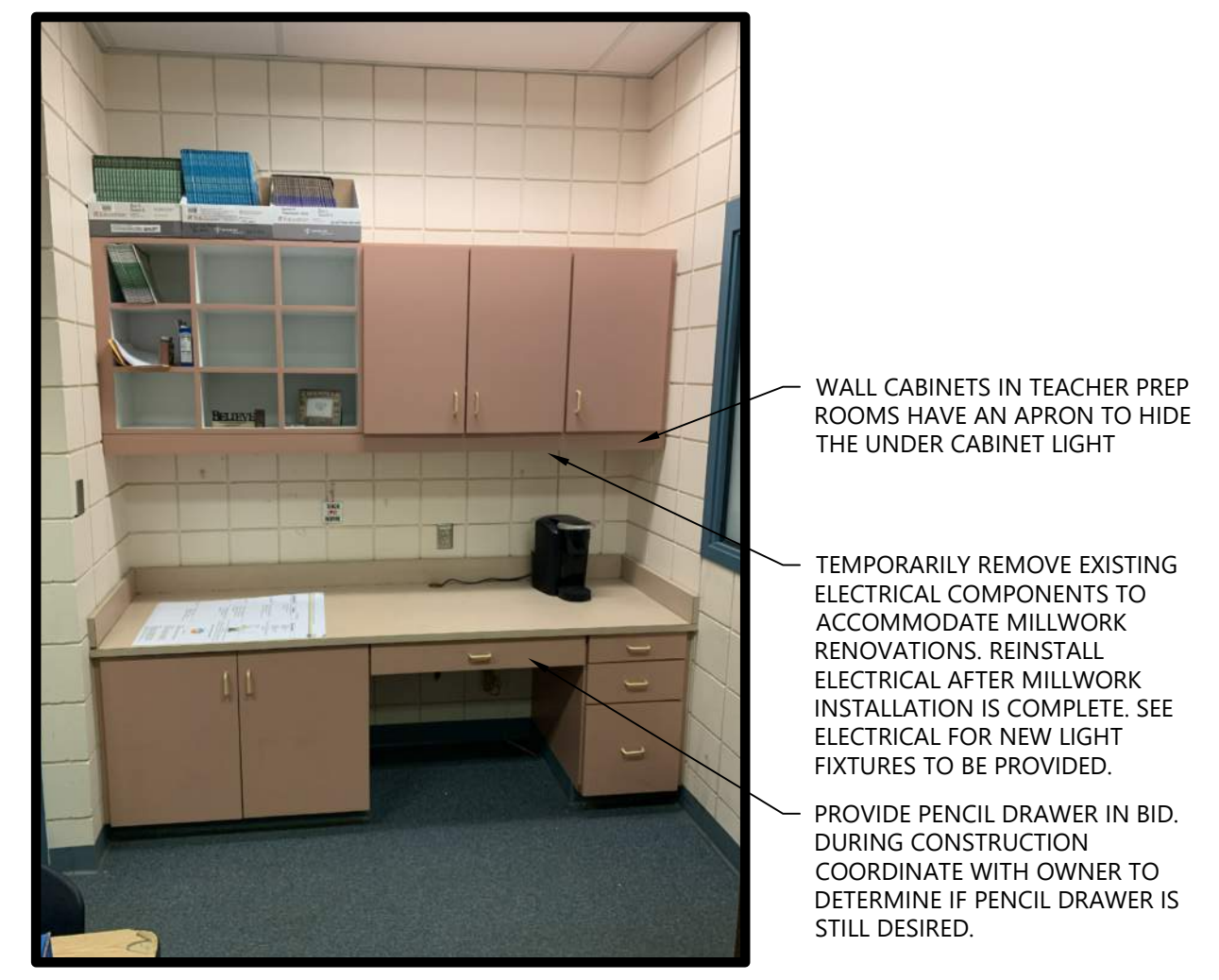
7 CLASSROOM MILLWORK - TYPE-1A

A311 3/8" = 1'-0"



6 CLASSROOM MILLWORK - TYPE-1D

A311 3/8" = 1'-0"



11 TEACHER PREP - MILLWORK

A311 3/8" = 1'-0"



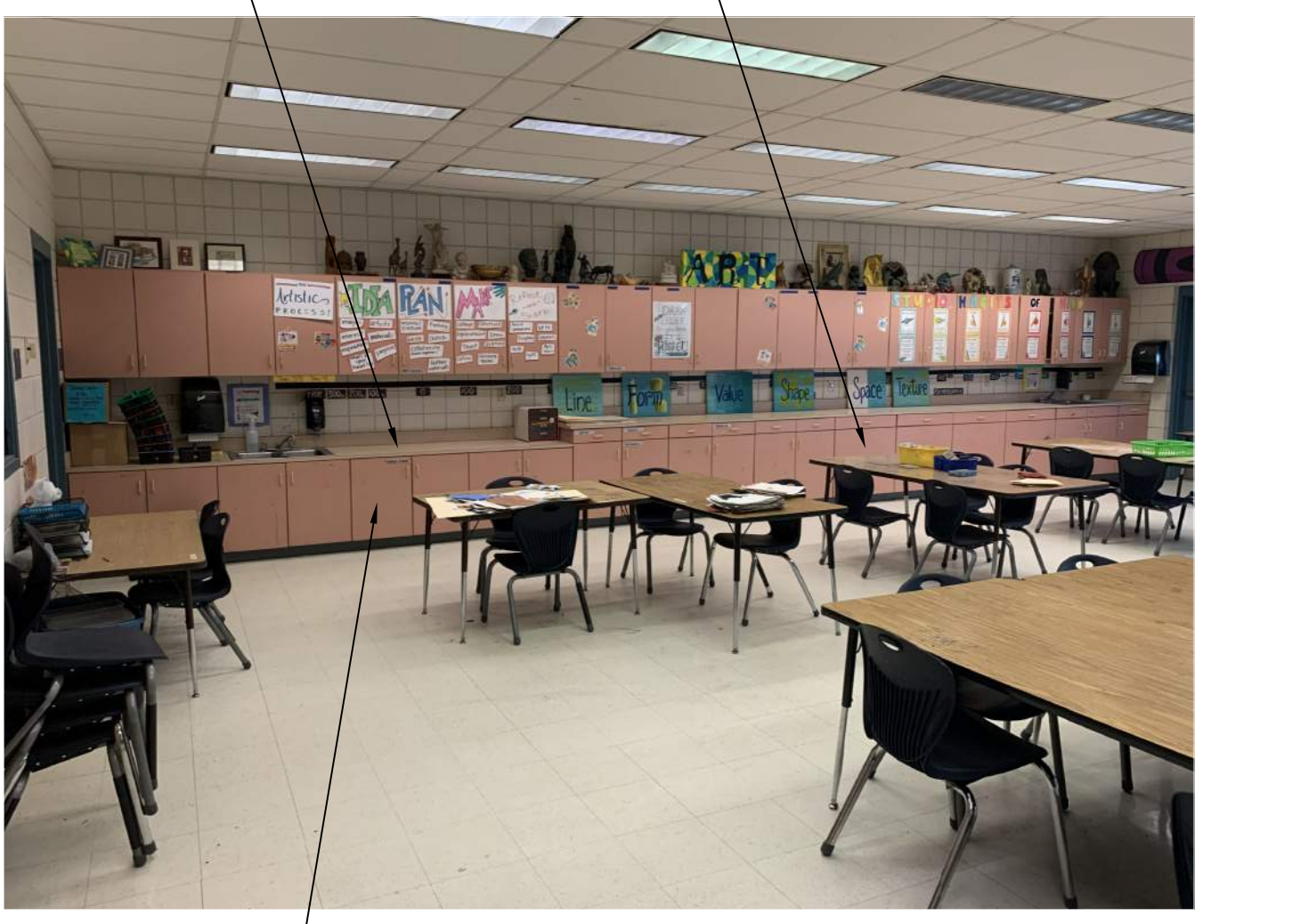
10 SPECIALTY CLASSROOMS - MILLWORK

A311 3/8" = 1'-0"



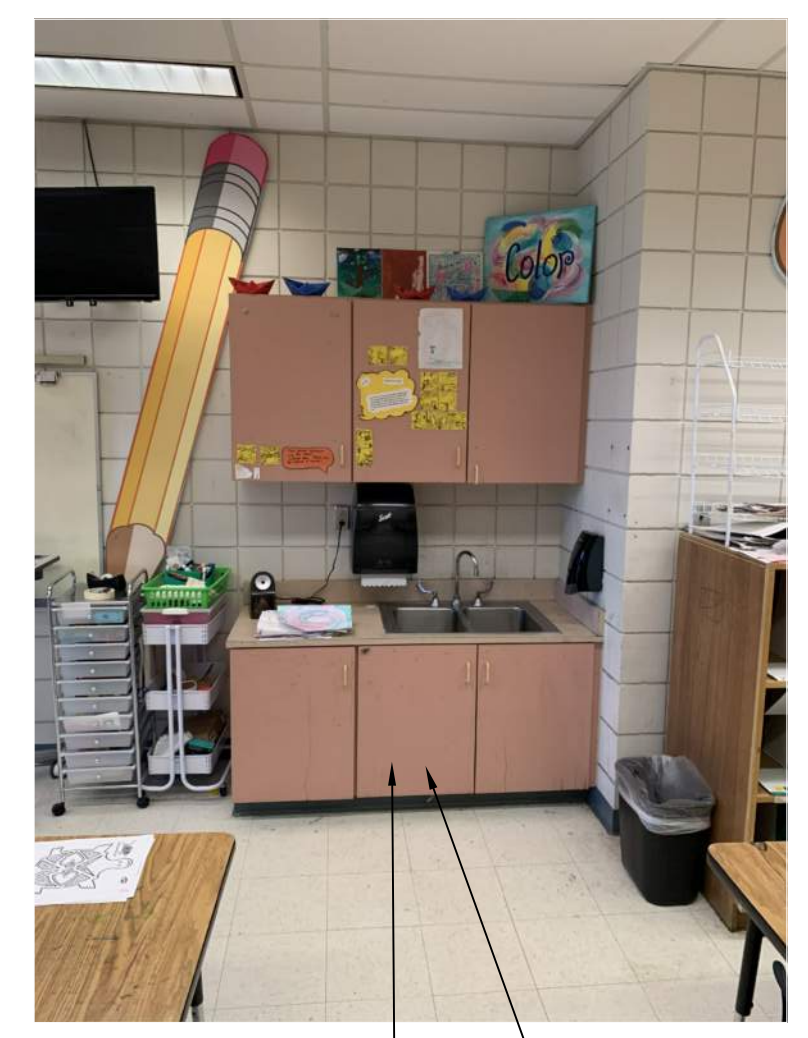
9 MUSIC CLASSROOM 4-139 - MILLWORK

A311 3/8" = 1'-0"



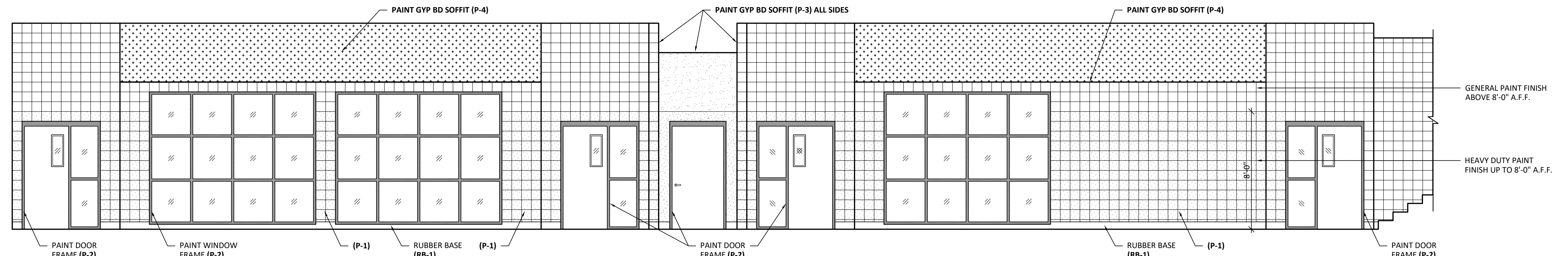
8 ART CLASSROOM 4-123 - MILLWORK

A311 3/8" = 1'-0"

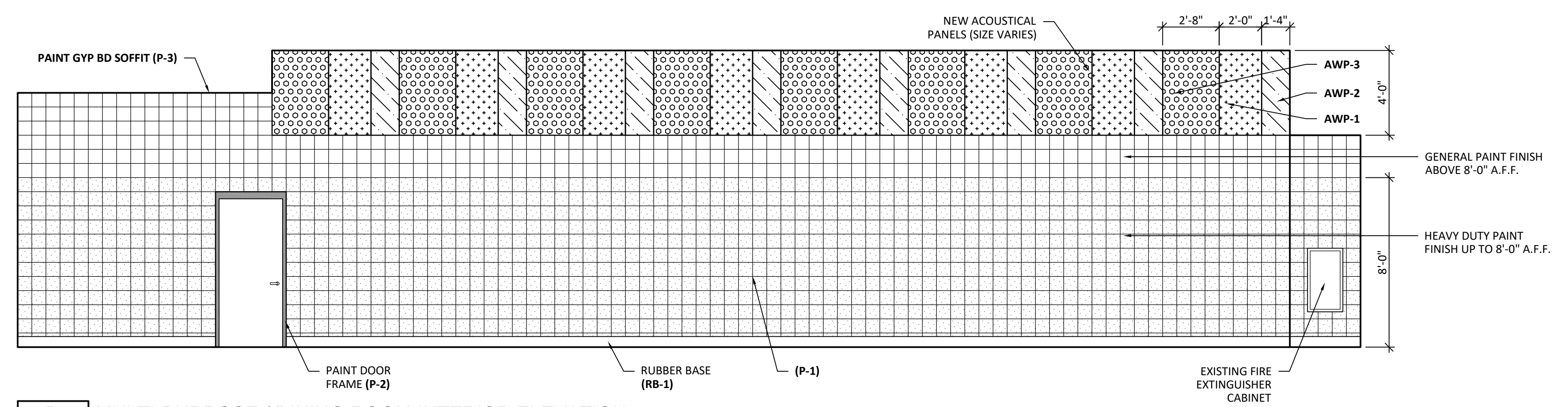


8 ART CLASSROOM 4-123 - MILLWORK

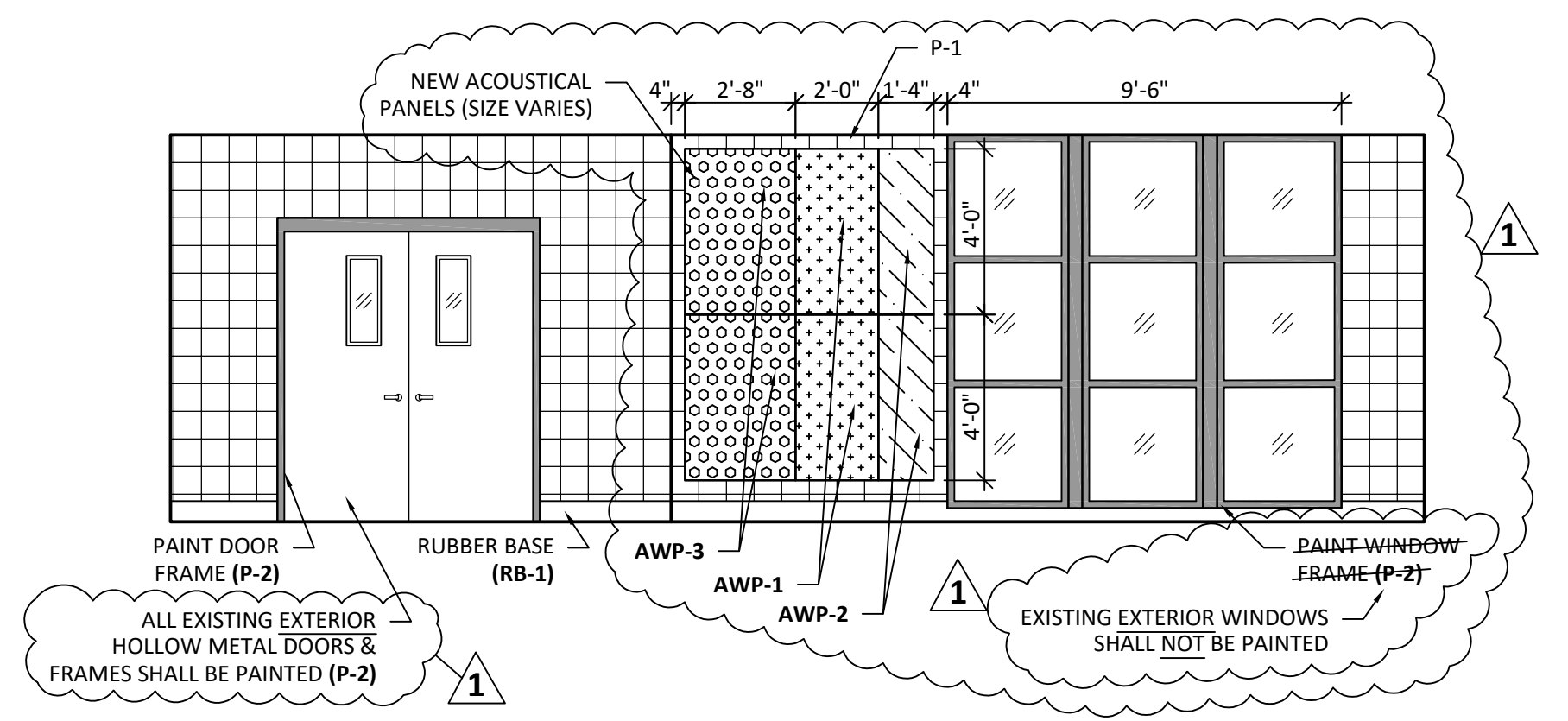
A311 3/8" = 1'-0"



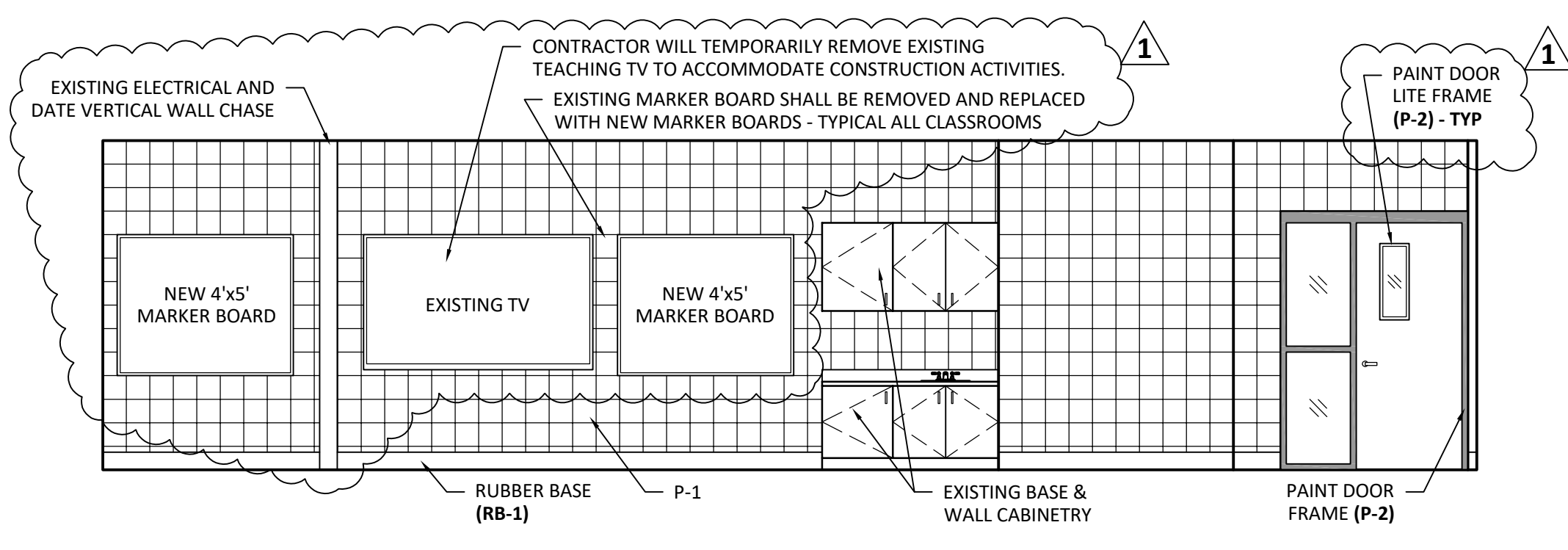
A MULTI-PURPOSE / DINING ROOM INTERIOR ELEVATION
1110 1/4" = 1'-0"



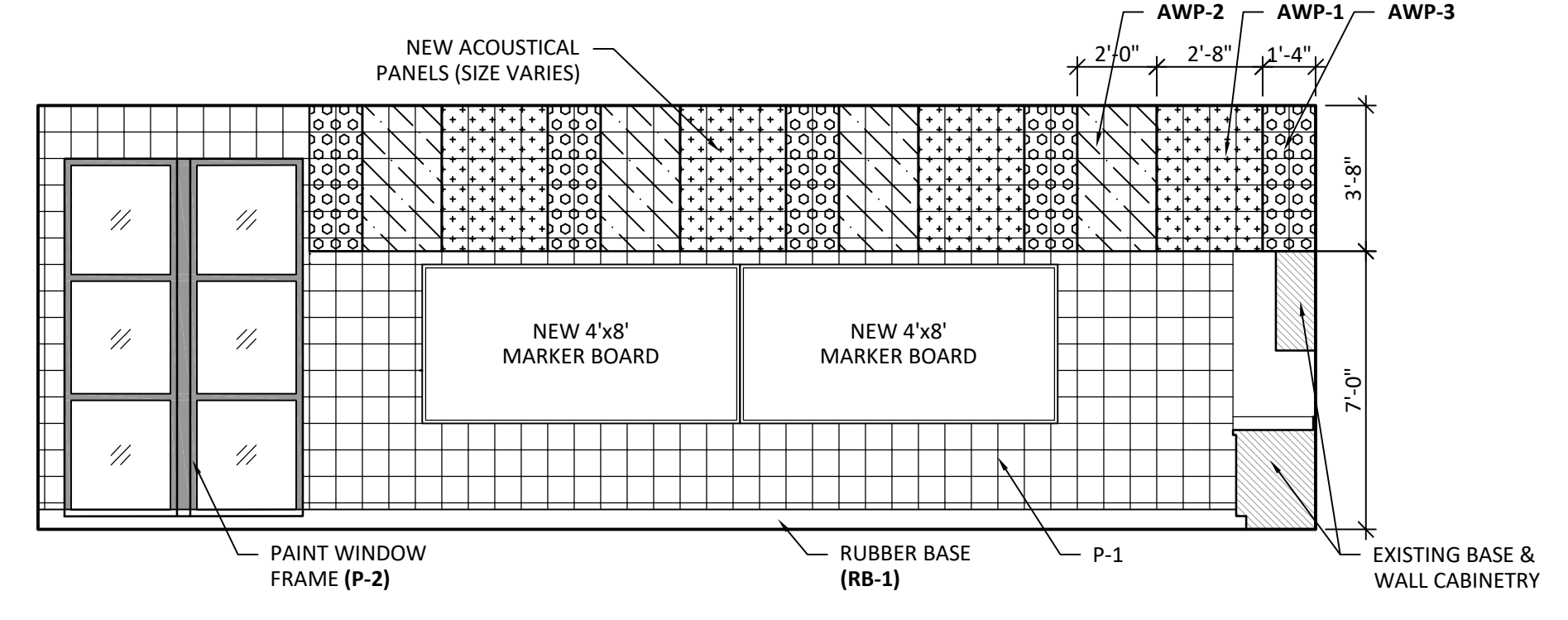
B MULTI-PURPOSE / DINING ROOM INTERIOR ELEVATION
1110 1/4" = 1'-0"



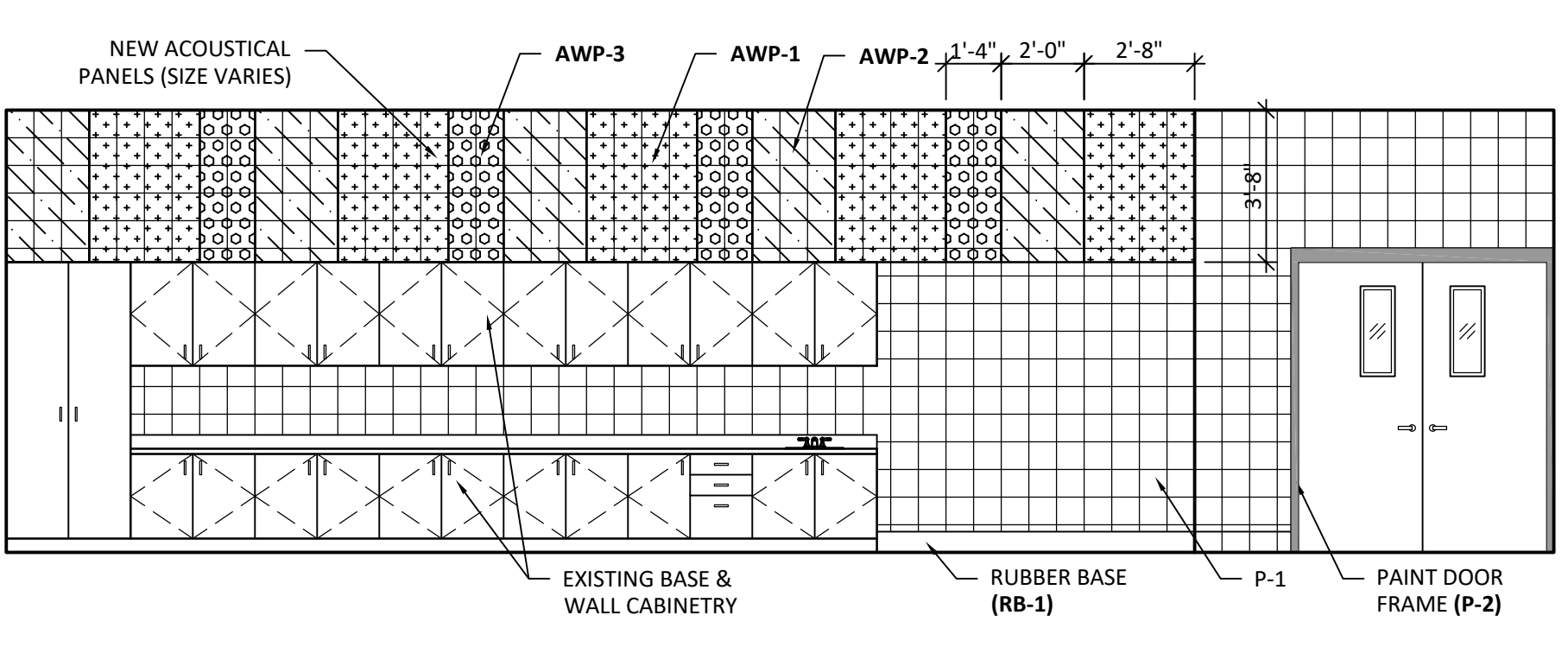
C ART CLASSROOM 4-123 INTERIOR ELEVATION
1110 1/4" = 1'-0"



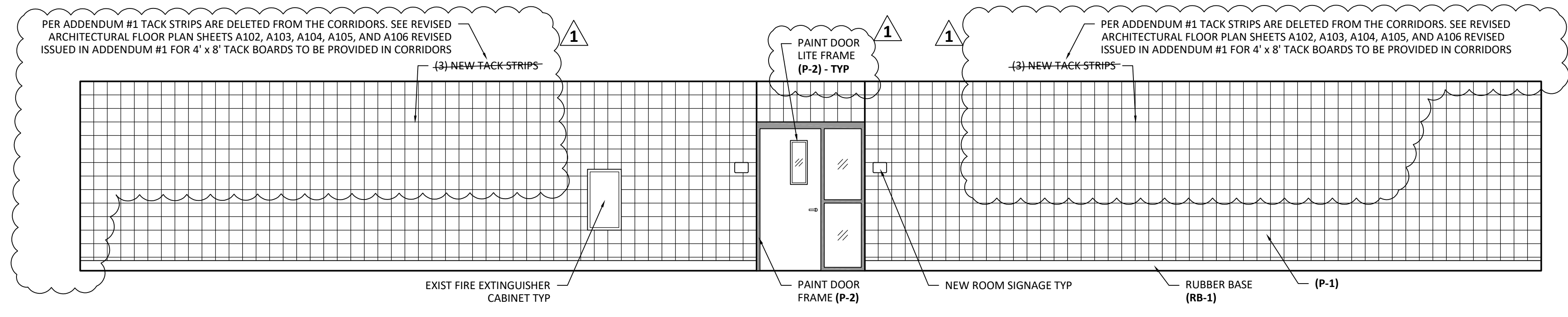
D ART CLASSROOM 4-123 INTERIOR ELEVATION
1110 1/4" = 1'-0"



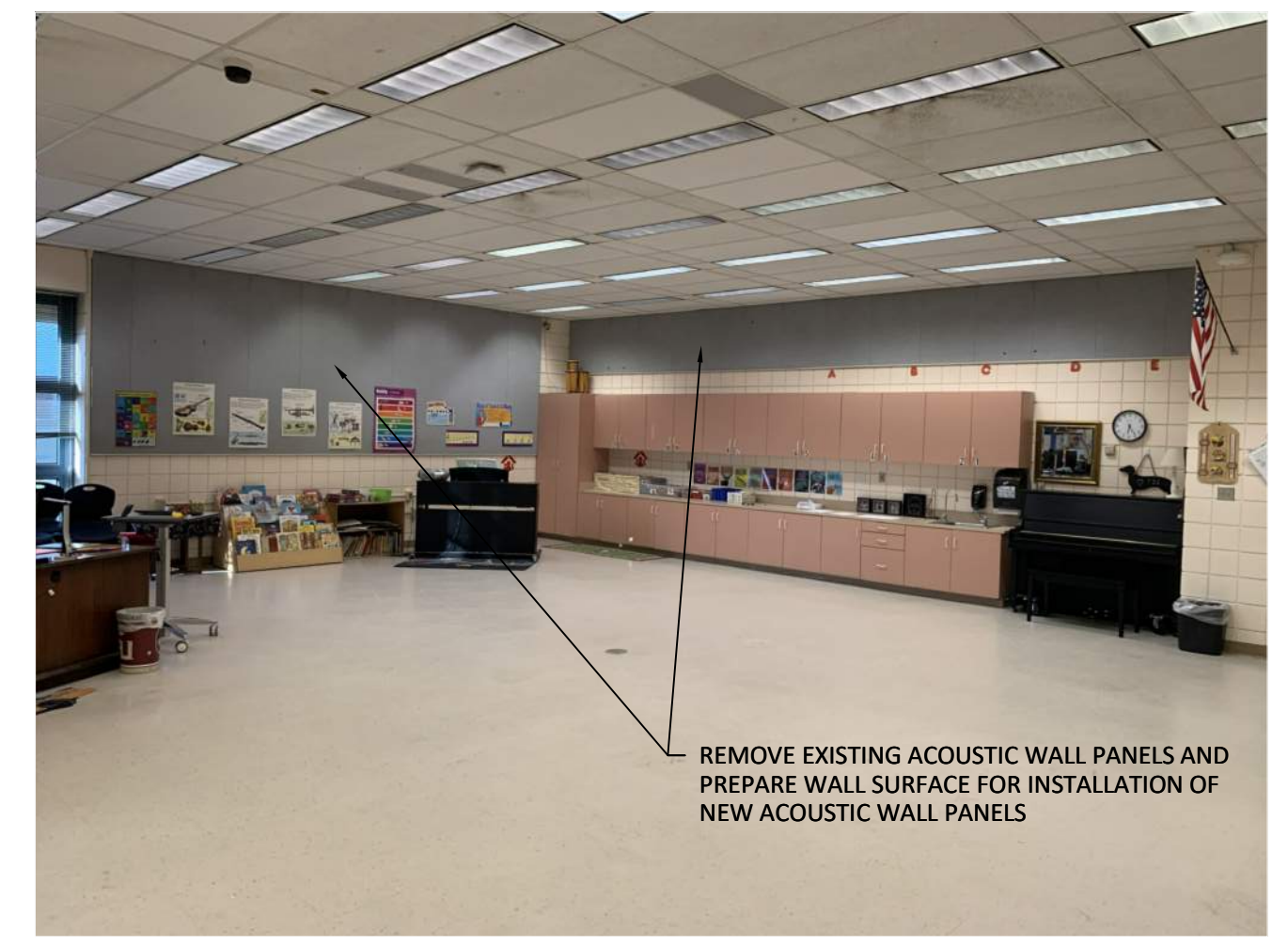
E MUSIC CLASSROOM 4-139 INTERIOR ELEVATION
1110 1/4" = 1'-0"



F MUSIC CLASSROOM 4-139 INTERIOR ELEVATION
1110 1/4" = 1'-0"



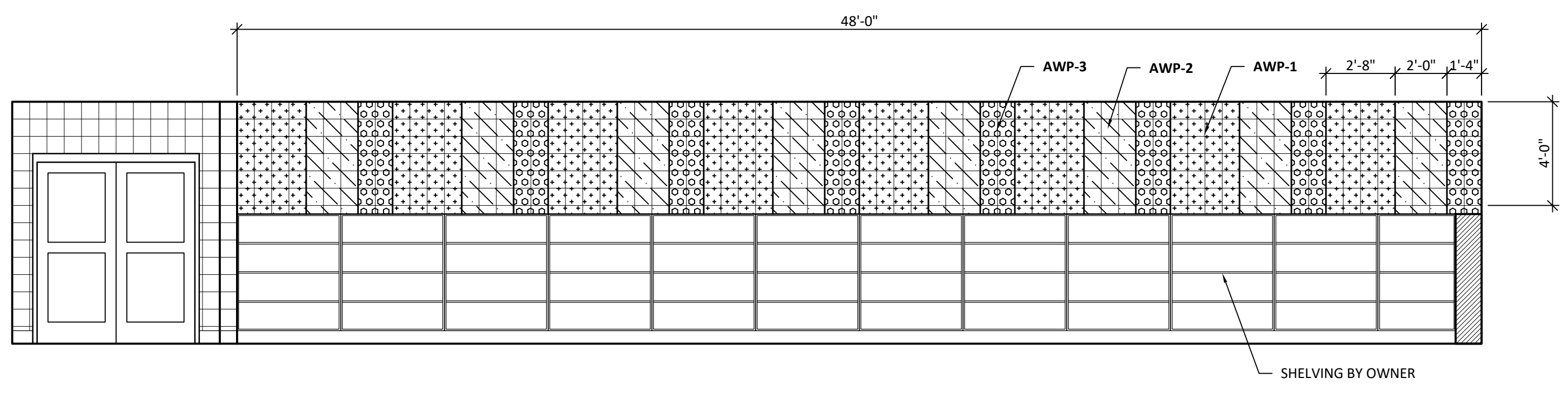
G TYPICAL CORRIDOR INTERIOR ELEVATION
1106 1/4" = 1'-0"



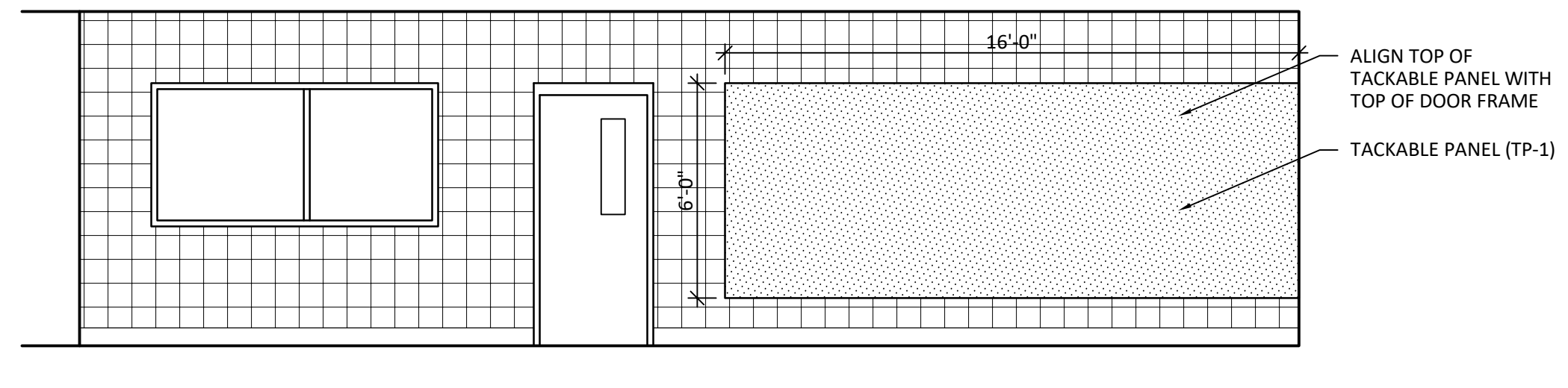
2 MUSIC ROOM - ACOUSTIC PANEL DEMOLITION
1110 N.T.S.



1 MEDIA CENTER - TACKBOARD DEMOLITION AND REMOVAL OF ALL OWNER INSTALLED PRESENTATION MATERIALS
1110 N.T.S.



H MEDIA CENTER 5-100 INTERIOR ELEVATION
1110 1/4" = 1'-0"



J MEDIA CENTER 5-100 INTERIOR ELEVATION
1110 1/4" = 1'-0"

LEGEND

	EQUIPMENT TAG		TYP TYPICAL
	DETAIL TAG (*1* INDICATES IDENTIFICATION NUMBER, *M3* INDICATES THE SHEET NUMBER DRAWN ON)		TEMP TEMPERATURE
	SHEET NOTE		SA SUPPLY AIR
	SUPPLY DUCT SECTION POSITIVE PRESSURE		RA RETURN AIR
	RETURN OR EXHAUST DUCT NEGATIVE PRESSURE		EA EXHAUST AIR
	RECTANGULAR DUCT SIZE (*A* INDICATES SIDE SHOWN, *B* INDICATES SIDE NOT SHOWN)		OA OUTDOOR AIR
	FLAT OVAL DUCT SIZE (*A* INDICATES SIDE SHOWN, *B* INDICATES SIDE NOT SHOWN)		TA TRANSFER AIR
	ROUND DUCT SIZE		EF EXHAUST FAN
	EXTERNALLY INSULATED DUCTWORK		CD CEILING DIFFUSER
	DUCT ELBOW WITH TURNING VANES		RC RETURN GRILLE
	RADIUSED DUCT ELBOW		EG EXHAUST GRILLE
	FLEXIBLE DUCT CONNECTION		SWG SIDEWALL SUPPLY GRILLE
	MANUAL VOLUME BALANCING DAMPER		L FLOVER
	HIGH PRESSURE DUCTWORK		CEF CEILING EXHAUST FAN
	DOUBLE WALL HIGH PRESSURE DUCTWORK		CRF CENTRIFUGAL ROOF MOUNTED EXHAUST FAN
	FABRIC DISPERSION DUCTWORK		UPBLAST UPBLAST ROOF MOUNTED EXHAUST FAN
	DOUBLE WALL SPIRAL DUCTWORK		UTILITY UTILITY VENT SET
	DEMOLISHED DUCT		AHU INDOOR AIR HANDLING UNIT
	GATE VALVE		CH CHILLER
	TWO-WAY CONTROL VALVE		GB GAS BOILER
	THREE-WAY CONTROL VALVE		FCU FAN COIL UNIT
	STRAINER WITH BLOW DOWN VALVE AND CAP		CWP CONDENSER WATER PUMP
	THERMOMETER		CHP CHILLED WATER PUMP
	THERMOMETER WELL OR PRESSURE TEMPERATURE PORT AS INDICATED		BP BOILER PUMP
	VARIABLE FREQUENCY DRIVE		HWP HEATING HOT WATER PUMP
	DIGITAL CONTROLS ENCLOSURE		THERMOSTAT, *1* INDICATES UNIT CONTROLLED
	BUTTERFLY VALVE- VALVE HANDLE OPENS IN DIRECTION OF FLOW		DUCT MOUNTED SMOKE DETECTOR
	BALL VALVE- VALVE HANDLE OPENS IN DIRECTION OF FLOW		UC UNDERCUT DOOR 1/2\"/>
	REFRIGERANT PIPE		16x16 DOOR GRILL
			NOT IN CONTRACT
			ABOVE FINISHED FLOOR
			FLOOR DRAIN
			TRANSFER GRILLE
			SC SOFFIT GRILLE
			SWW SIDEWALL SUPPLY GRILLE
			SWR SIDEWALL RETURN GRILLE
			DDC DIRECT DIGITAL CONTROL
			CHW CHILLED WATER
			CHS CHILLED WATER SUPPLY
			CHR CHILLED WATER RETURN
			CW CONDENSER WATER
			CWS CONDENSER WATER SUPPLY
			CWR CONDENSER WATER RETURN
			HW HOT WATER
			HWS HOT WATER SUPPLY
			HWR HOT WATER RETURN
			NO NORMALLY OPEN
			NC NORMALLY CLOSED
			VFM VENTURE FLOW METER
			AI ANALOG INPUT
			AO ANALOG OUTPUT
			DI DIGITAL INPUT
			DO DIGITAL OUTPUT
			TAB TESTING, ADJUSTING AND BALANCING TERMINAL UNIT
			NOM NOMINAL
			VFD VARIABLE FREQUENCY DRIVE
			E EXISTING
			FCU FAN COIL UNIT
			FD HORIZONTAL FIRE DAMPER
			BCU BLOWER COIL UNIT
			MVD MANUAL VOLUME DAMPER
			UH UNIT HEATER
			HS HUMIDITY SENSOR
			WM WALL MOUNTED DUCTLESS SPLIT AHU
			DCU DUCTLESS SPLIT CONDENSING UNIT
			POINT OF CONNECTION TO EXISTING
			REMOTE MOUNTED TEMPERATURE SENSOR MOUNT ON CEILING
			FRSF FILTERED ROOF SUPPLY FAN

GENERAL NOTES

- ALL DUCT DIMENSIONS ARE NET INSIDE.
- VERIFY COLLAR SIZES ON ALL AIR TERMINALS, EQUIPMENT OUTLETS AND INLETS, TRANSITION DUCTWORK AS NECESSARY. EXTERNALLY INSULATE TRANSITIONS AT EQUIPMENT CONNECTIONS.
- FIELD VERIFY CLEAR SPACE AVAILABLE, ROUTING PATH, AND CONFLICTS WITH STRUCTURE AND THE WORK OF OTHER TRADES PRIOR TO FABRICATING DUCTWORK. PROVIDE OFFSETS IN DUCTWORK AS REQUIRED, WHETHER SPECIFICALLY INDICATED ON DRAWINGS OR NOT. SUBMIT SHOP DRAWINGS ON DUCTWORK LAYOUT PRIOR TO COMMENCING WORK. MAINTAIN CLEARANCE AROUND ALL LIGHT FIXTURES AS REQUIRED TO REMOVE AND SERVICE FIXTURES. COORDINATE WITH ROOF TRUSSES/STRUCTURE. PRESSURE TEST ALL DUCTWORK FOR LEAKS. SEE SPECIFICATIONS.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PIPING, AND DUCTWORK SUCH THAT MANUFACTURERS' RECOMMENDED CLEARANCES ARE MET FOR ALL ACCESS PANELS, MOTORS, FANS, BELTS, FILTERS AND AIR INTAKES. CONDENSATE LINES SHALL BE CLEAR OF FILTER RACK ACCESS.
- PROVIDE DUCT FLEX CONNECTIONS & VIBRATION ISOLATION FOR ALL UNITS NOT INTERNALLY ISOLATED.
- WASTE VENT STACKS, EXHAUST FANS, ETC. SHALL BE A MINIMUM OF 10 FT. FROM OUTSIDE AIR INTAKES.
- ALL SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR INTAKE DUCTWORK SHALL BE GALVANIZED SHEET METAL.
- ALL AHU FILTERS SHALL BE OF A READILY AVAILABLE SIZE, OF DISPOSABLE TYPE, AND BE ACCESSIBLE WITHOUT THE USE OF SCREWS OR OTHER MECHANICAL DEVICES REQUIRING TOOLS.
- PROVIDE ACCESS PANELS IN HARD CEILING AS REQUIRED FOR MAINTENANCE AND ADJUSTMENT OF EQUIPMENT LOCATED ABOVE CEILING.
- ALL BIRD AND INSECT SCREENS SHALL BE ANODIZED ALUMINUM.
- BECAUSE OF THE SMALL SCALE OF CONTRACT DOCUMENTS IT IS NOT POSSIBLE TO SHOW ALL OFFSETS, TRANSITIONS, ETC. THE CONTRACT DOCUMENTS ARE ESSENTIALLY DIAGRAMATIC. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS COORDINATED WITH THE STRUCTURE AND ARCHITECTURAL WORK FOR REVIEW PRIOR TO COMMENCING WORK.
- THIS PROJECT SHALL INCLUDE COMMISSIONING OF THE HVAC, CONTROLS, AND RELATED ELECTRICAL SYSTEMS. THE SERVICES OF THE COMMISSIONING AUTHORITY ARE PROVIDED UNDER SEPARATE CONTRACT. UNDER THIS CONTRACT, THE PRIME CONTRACTOR, SUBCONTRACTORS, AND EQUIPMENT MANUFACTURERS SHALL PROVIDE LABOR AND MATERIAL AS REQUIRED TO ASSIST AND PARTICIPATE IN THE COMMISSIONING PROCESS FOR THE SCOPE OF WORK AS DESCRIBED IN SECTION 230800 OF THE PROJECT SPECIFICATIONS.
- ALL WORK SHALL COMPLY WITH 8TH EDITION (2023) FLORIDA BUILDING CODE.
- SEAL AND PROTECT ALL WORK IN PROGRESS DURING CONSTRUCTION SUCH AS DUCT AND PIPING TO PREVENT ACCUMULATION OF CONSTRUCTION DEBRIS.

DUCTWORK AND INSULATION GENERAL NOTES

- ALL ROUND FLEXIBLE DUCT SHALL BE FLEXMASTER TYPE 8M OR ENGINEER APPROVED EQUAL. MAXIMUM LENGTH OF ANY FLEXIBLE DUCT RUNOUT SHALL BE 5'-0" WHERE LENGTH REQUIRED EXCEEDS 5'-0", INSTALL EXTERNALLY INSULATED ROUND SNAPLOCK DUCT FOR BALANCE OF DISTANCE TO SPIN-IN TAP AT MAIN DUCT TRUNK.
- SEAL ALL DUCT PENETRATIONS OF WALLS AND FLOORS AIRTIGHT, REGARDLESS OF WHETHER WALLS AND FLOORS ARE FIRE RATED OR NOT.
- UNLESS OTHERWISE INDICATED, ALL SUPPLY AIR DUCTWORK UPSTREAM OF TERMINAL UNITS SHALL BE OVAL OR ROUND, SMACNA STATIC PRESSURE CLASS 3" W.G., SEAL CLASS A, SPIRAL. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
- ALL SUPPLY AIR DUCTWORK DOWNSTREAM OF TERMINAL UNITS (EXCEPT TAKEOFFS TO SUPPLY AIR DIFFUSERS) SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
- ALL RETURN AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. PROVIDE ACOUSTICAL DUCT LNER WHERE INDICATED.
- ALL OUTSIDE AIR INTAKE DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, INSULATION NOT REQUIRED.
- STANDARD EXHAUST AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 1/2" W.G., SEAL CLASS A, INSULATION NOT REQUIRED.
- AVOID ROUTING DUCTWORK AND TUS WITHIN 6" OF TOP OF LIGHT FIXTURES WHEREVER POSSIBLE. MAINTAIN CLEARANCE BETWEEN TUS AND DUCT INSULATION TO TOP OF LIGHTS. PROVIDE CLEARANCE ALL AROUND AIR TERMINAL UNITS AS REQUIRED FOR ROUTINE MAINTENANCE.
- PROVIDE MVD'S AT ALL TAKEOFFS FROM MAIN DUCTS.

PUMP SCHEDULE

DESIGNATION	CHP-1	CHP-2
USE	CHILLED WATER DISTRIBUTION	CHILLED WATER DISTRIBUTION
MANUFACTURER - MODEL	TACO - C11506D	TACO - C11506D
TYPE	CLOSE COUPLED	CLOSE COUPLED
SUCTION SIZE (IN.)	2.5	2.5
DISCHARGE SIZE (IN.)	1.25	1.25
PUMP TYPE	END SUCTION	END SUCTION
CAPACITY (GPM)	141.3	141.3
TOTAL HEAD (FT. H2O)	117.6	117.6
RPM	3500	3500
MINIMUM EFFICIENCY (%)	72	72
MOTOR HP (MAX)	7.5	7.5
VOLTAGE/PHASE	460/3	460/3

- NOTES:
- ALL PUMPS SHALL BE BRONZE FITTED.
 - ALL PUMPS SHALL HAVE ENERGY EFFICIENT INVERTER READY MOTORS.

AIR DEVICE SCHEDULE

MARK	MAX AIRFLOW CFM	AIR DEVICE SIZE	DUCT CONNECTION SIZE	TITUS MODEL
CD-1 CFM	80	12x12	60	TDC-AA
CD-2 CFM	245	12x12	80	TDC-AA
CD-3 CFM	350	12x12	100	TDC-AA
SWG-1 CFM	130	6x6	6x6	300RS
SS-1 CFM	450	12x12	12x12	350FL
SS-2 CFM	1705	22x22	22x22	350FL

- NOTES:
- MAX NC=20
 - PROVIDE 2x2 LAY IN PANEL FOR AIR DEVICES IN LAY IN CEILING.
 - PROVIDE BEVELED MOUNTING FRAME FOR CEILING DIFFUSERS IN HARD CEILING.
 - PROVIDE FLAT MOUNTING FRAME FOR GRILLES LOCATED IN HARD CEILING.
 - PROVIDE ALUMINUM BIRD SCREEN FOR SOFFIT GRILLES.

DUCT AIR LEAKAGE TESTING NOTE:
AFTER DEMOLITION AND NEW WORK IS COMPLETE, CONTRACTOR SHALL TEST ALL MEDIUM PRESSURE DUCT UPSTREAM OF TERMINAL UNITS FOR AIR LEAKAGE. TESTING SHALL BE IN ACCORDANCE WITH THE SMACNA HVAC AIR DUCT TEST MANUAL, LATEST EDITION. CONTRACTOR SHALL THEN DOCUMENT ALL AIR LEAKS DISCOVERED IN A REPORT DELIVERED TO THE ENGINEER AND SCHOOL DISTRICT PERSONNEL. LOW PRESSURE DUCTWORK DOWNSTREAM OF TERMINAL UNITS, ATTACHED TO SPLIT-SYSTEM HEAT PUMP AIR HANDLING UNITS, AND ATTACHED TO 100% OUTSIDE AIR UNITS WILL NOT BE TESTED.

100% OUTSIDE AIR UNIT SCHEDULE

UNIT OAU	BASIS OF DESIGN	OAU MODEL	CONFIGURATION	OA (CFM)	ESP (IN. WC)	FAN (HP)	COOLING			HEATING			OAU ELECTRICAL			NOTES			
							EAT* (DB/WB)	LAT* (DP)	TOTAL (BTU/H)	SENSIBLE (BTU/H)	ISMRE	EAT (DB)	LAT* (F)	STAGES	KW		VOLTS/PHASE	MCA	MOP
1	DESERTAIRE	OS08MHE	PACKAGED	1195	0.5	5	83.9/80.6	49.5	95700	48100	6.4	25.0	70.0	SCR	15	460/3	30	30	1,2,3,4,5,6,7,8,9
2	DESERTAIRE	OS12MHE	PACKAGED	1700	0.5	5	83.9/80.6	52.0	136300	149700	6.0	25.0	70.0	SCR	24	460/3	44	45	1,2,3,4,5,6,7,8,9
3	DESERTAIRE	OS15MHE	PACKAGED	1900	0.5	5	83.9/80.6	51.8	197100	98100	6.0	25.0	70.0	SCR	27	460/3	48	50	1,2,3,4,5,6,7,8,9

- DIRECT DRIVE FAN WITH ECM MOTOR
- REFER TO CONDENSING UNIT SCHEDULE FOR EFFICIENCIES
- ESP DOES NOT INCLUDE FILTER, CASING, ETC.
- PROVIDE 100% OUTSIDE AIR DEHUMIDIFICATION UNIT WITH HOT GAS REHEAT UNIT LEAVING AIR TEMPERATURE SHALL BE 70°F DB BUILD ADJUSTABLE.
- PROVIDE MOTORIZED OA DAMPER
- PROVIDE DIGITAL CONTROLLER WITH BACNET MSTP CARD.
- PROVIDE COATED INDOOR COILS, NON FUSED DISCONNECT, PHASE FAILURE MONITOR, DIRTY FILTER SWITCH, OUTSIDE AIR TEMPERATURE SENSOR, DISCHARGE AIR TEMPERATURE SENSOR AND LEAVING COIL TEMPERATURE SENSOR.
- PROVIDE FULLY MODULATING INVERTER COMPRESSORS WITH AUTO CHANGEOVER FUNCTIONS.
- ISMRE IS INTEGRATED SEASONAL MOISTURE REMOVAL EFFICIENCY.

CUSTOM AIR HANDLING UNIT SCHEDULE

UNIT DESIGNATION	TYPE	FAN TYPE	FAN DATA										CHILLED WATER COIL DATA										FILTER SECTION			NOTES	
			AIR VOLUME CONTROL	MAX. AIR FLOW (CFM)	MIN. AIR FLOW (CFM)	MIN. OA DAMPER (CFM)	APPROX. ESP (IN. W.G.)	TOTAL SP (IN. W.G.)	MAXIMUM FAN MOTOR HORSEPOWER	NOM MOTOR RPM	MAX. FACE VELOCITY (FPM)	UNIT TOTAL CAPACITY (MBH)	UNIT SENSIBLE CAPACITY (MBH)	AIR SIDE			WATER SIDE			TYPE	FILTER EFF. (MEF)	THICKNESS (IN)					
														EAT (°F) DB	(°F) WB	LAT (°F) DB	(°F) WB	FLOW (CPM)	EWI (°F)				LWT (°F)	MAX. WFO (FT H2O)	CONTROL VALVE (BY DDC CONTRACTOR)		CONTROL VALVE PRESSURE DROP
AHU-4.1	HDT	DDPF	VAV	3090	925	380	1.95	3.45	3	2245	385	119.8	100.7	79.3	63.3	49.6	48.3	15.9	44	59	4.8	2-WAY	11.5 FT	CARRIDGE	11	12	1,2,3,4,5,7,8
AHU-4.2	HDT	DDPF	VAV	3050	915	425	1.90	3.35	3	2215	380	116.1	94.5	79.2	64.1	51.0	50.9	15.4	44	59	4.5	3-WAY	11.5 FT	CARRIDGE	11	12	1,2,3,4,5,7,8
AHU-4.3	HDT	DDPF	VAV	15720	4715	2065	2.10	3.80	7.5	1855	470	612.4	474.5	78.0	64.0	50.5	50.4	81.4	44	59	4.6	3-WAY	11.5 FT	CARRIDGE	11	12	1,2,3,4,5,7,8
AHU-5.1	HDT	DDPF	VAV	5605	1680	635	2.00	3.75	7.5	2190	465	213.3	180.2	79.8	63.5	50.5	50.1	28.3	44	59	5.5	3-WAY	11.5 FT	CARRIDGE	11	12	1,2,3,4,5,7,8

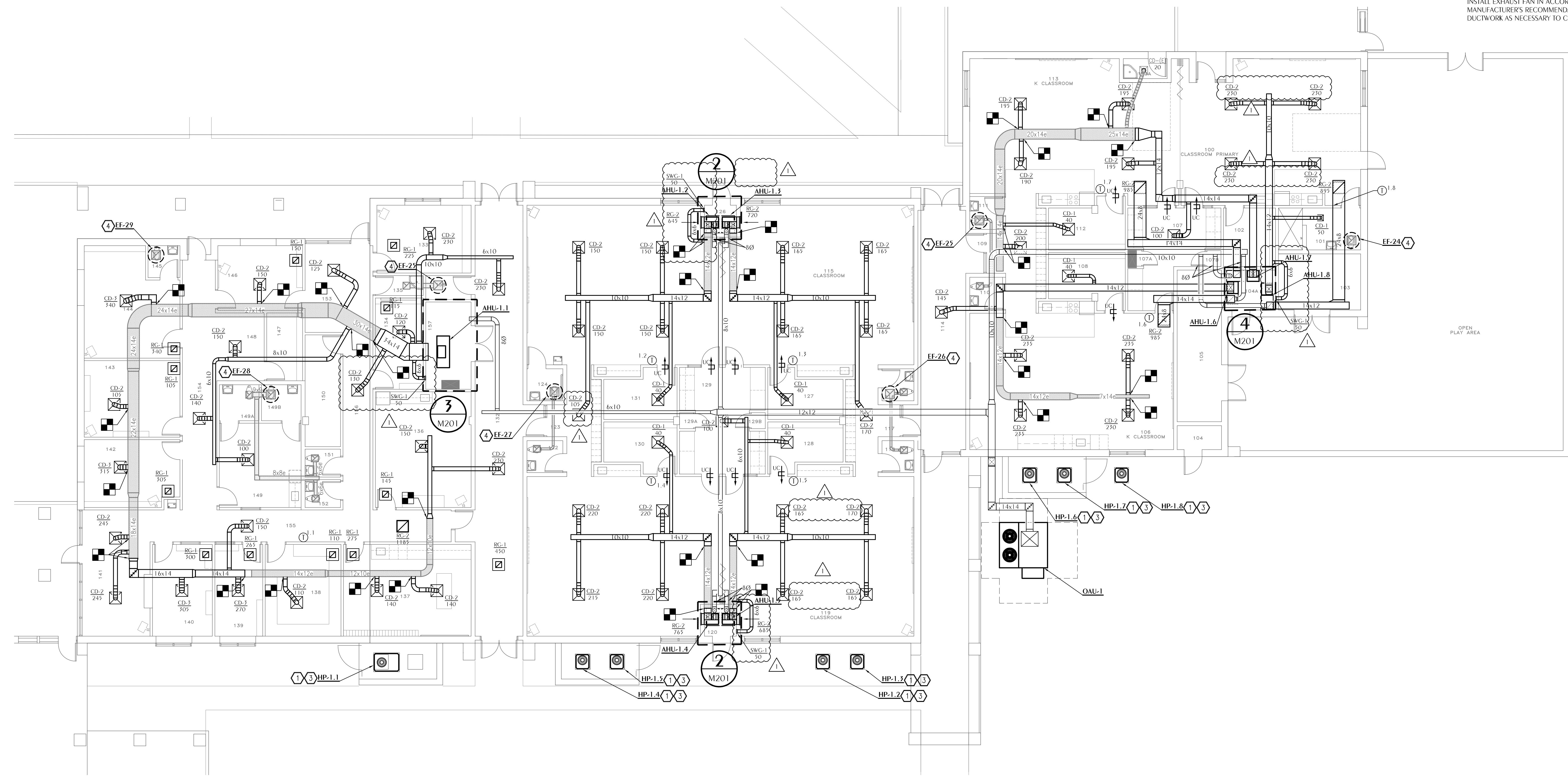
- SCHEDULE LEGEND:
- HDT - HORIZONTAL DRAW THRU
 - SDU - STACKED DEHUMIDIFICATION UNIT
 - FC - FORWARD CURVED
 - DDPF - DIRECT DRIVE PLENUM FAN
 - BC - BACKWARD CURVED
- SCHEDULE NOTES:
- ESP DOES NOT INCLUDE PRESSURE DROP THROUGH AHU CASING OR COILS
 - TOTAL SP INCLUDES PRESSURE DROP THROUGH CASING, COILS, AND MID LIFE FILTER PRESSURE
 - DROP AVERAGE ATMOSPHERIC DUST SPOT EFFICIENCY BASED ON ASHRAE 52-76
 - BASES OF DESIGN: DRAIN/CAH CUSTOM AIR HANDLING UNIT
 - 2" THICKNESS MERV 8 PRE FILTERS AND SPECIFIED FINAL FILTERS.
 - VARIABLE FREQUENCY DRIVE WITH BUILT IN DISCONNECT FOR FAN MOTOR PROVIDED BY DDC CONTRACTOR
 - 200V/3 PHASE
 - MAX. FACE VELOCITY FOR CHILLED WATER COIL IN REFERENCE TO MAX AIRFLOW
- SYMBOLS:
- SZVAV - VARIABLE AIR VOLUME, SINGLE ZONE
 - VAV - VARIABLE AIR VOLUME, MULTIPLE ZONES
 - CV - CONSTANT VOLUME

AIR VOLUME TERMINAL UNIT SCHEDULE

MARK	TOTAL CFM	COOL CFM MIN.	HEATING CFM MAX.	EAT (°F)	LAT (°F)	KW	ELECTRIC HEATING COIL		SOUND POWER AT 0.5"		INLET SIZE (IN.)	MANUFACTURER	MODEL NUMBER		
							VOLTS/PHASE	MCA	MOP	REF. CFM				DISCHARGE	RADIATED
TU-4.1	1030	310	1000	60	85	7.47	208/3	26	30	1030	26	18	14	TITUS	DESV-14
TU-4.2	1240	370	1135	60	85	8.47	208/3	29.5	30	1240	25	20	14	TITUS	DESV-14
TU-4.3	865	275	935	60	85	6.99	208/3	24.3	25	915	33	20	12	TITUS	DESV-12
TU-4.4	695	225	495	60	85	3.71	208/3	13.9	15	760	32	19	9	TITUS	DESV-09
TU-4.5	1115	325	760	60	85	5.67	208/3	19.1	20	1085	27	18	14	TITUS	DESV-14
TU-4.6	1360	400	1165	60	85	8.69	208/3	29.5	30	1330	27	20	14	TITUS	DESV-14
TU-4.7	1290	390	1150	60	85	8.14	208/3	29.5	30	1290	27	20	14	TITUS	DESV-14
TU-4.8	715	215	1215	60	85	8.59	208/3	31.2	35	715	31	19	9	TITUS	DESV-09
TU-4.9	1165	350	350	60	85	1.81	208/3	6.9	15	1165	25	19	14	TITUS	DESV-14
TU-4.10	1390	420	420	60	85	3.12	208/3	12.1	15	1390	22	20	14	TITUS	DESV-14
TU-4.11	1390	420	420	60	85	3.12	208/3	12.1	15	1390	22	20	14	TITUS	DESV-14
TU-4.12	1390	420	420	60	85	3.12	208/3	12.1	15	1390	22	20	14	TITUS	

SHEET NOTES

- 1 ROUTE NEW REFRIGERANT PIPING FROM AHU ABOVE CEILING TO EXTERIOR WALL, DOWN EXTERIOR WALL AND OVER TO APPROPRIATE HEAT PUMP UNIT. INSULATE ENTIRE LENGTH OF SUCTION PIPE WITH MINIMUM 3/4" FLEXIBLE UNICELLULAR INSULATION. PROVIDE INSULATION EXPOSED TO WEATHER WITH AN ALUMINUM JACKET.
- 2 PROVIDE MANUAL VOLUME DAMPER (MVD) IN VERTICAL OUTSIDE AIR DUCT.
- 3 PROVIDE NEW 3" TALL CONCRETE HOUSEKEEPING PAD MINIMUM 3" LARGER THAN NEW EQUIPMENT ON ALL SIDES.
- 4 PROVIDE HANGERS AND SUPPORTS AS NECESSARY AND INSTALL EXHAUST FAN IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. TRANSITION DUCTWORK AS NECESSARY TO CONNECT TO EXISTING.

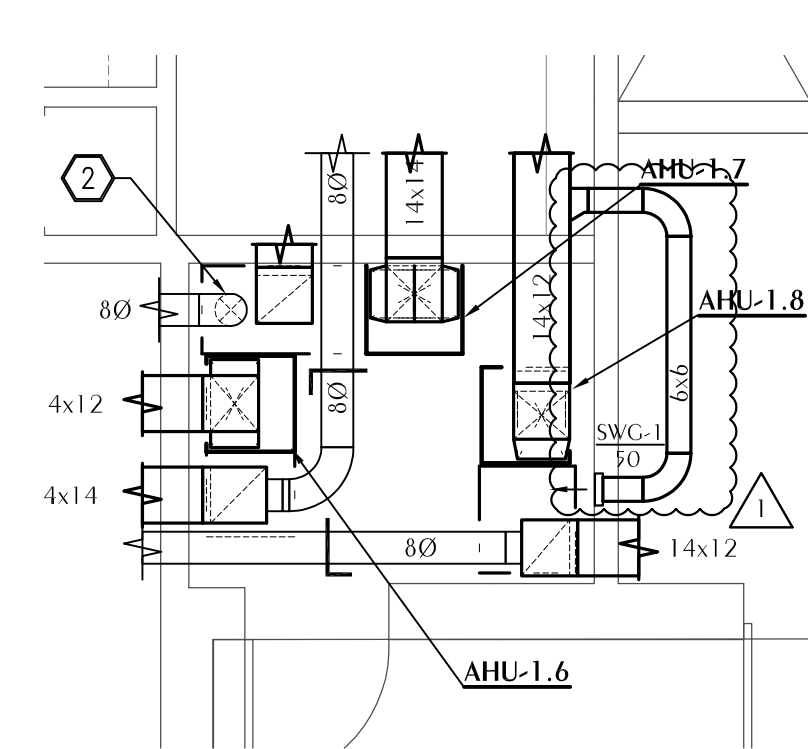
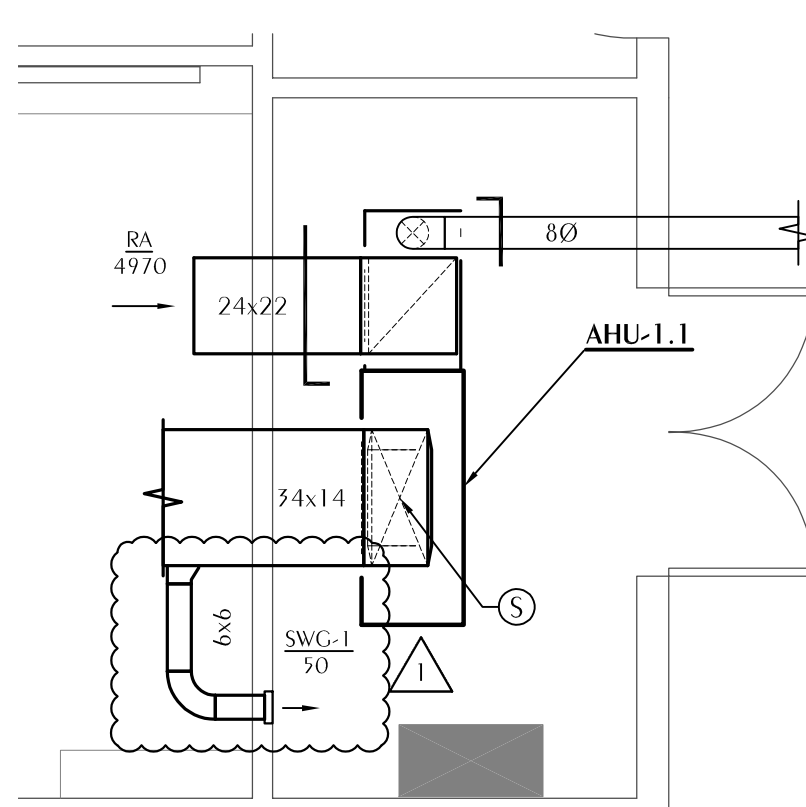
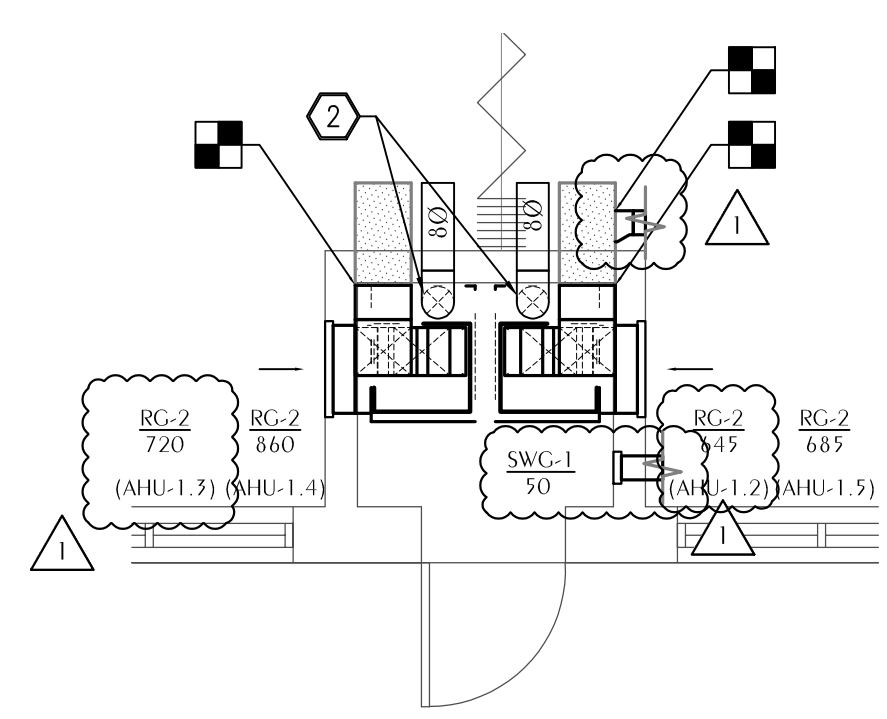


1 HVAC NEW WORK PLAN - BUILDING 1
SCALE: 1/8" = 1'-0"

2 HVAC ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"

3 HVAC ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"

4 HVAC ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"



PROJECT VOLUME 2

TOMMY SMITH ELEMENTARY SCHOOL RENOVATIONS

5044 TOMMY SMITH DR. PANAMA CITY, FL 32404

OWNER
BAY DISTRICT SCHOOLS
ARCHITECT'S SEAL

NOT FOR CONSTRUCTION

PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

ELECTRICAL
HG Engineers

PROJECT NUMBERS
Architect No: 22045B

DELIVERABLES
Schematic Design: None
Design Development: 20 JULY 2023
Bid Documents: TBD
Architect Issued Addendum #1 to CM for Bidding 05 July 2024

SHEET TITLE
HVAC NEW WORK PLAN - BLDG. 1

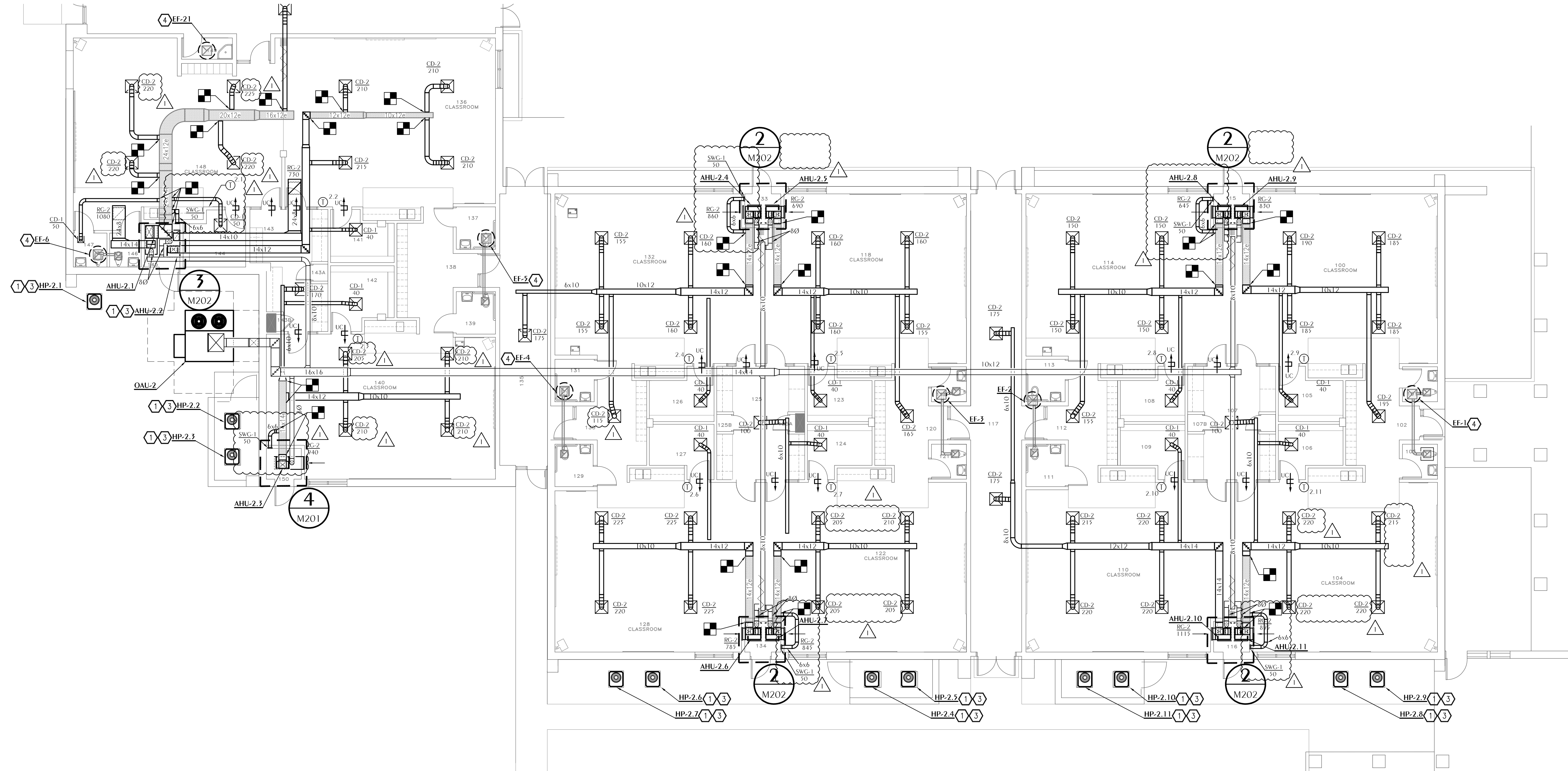
SHEET NUMBER
M201

WATFORD ENGINEERING
4452 Clinton Street Marianna, Florida 32448
311 N. College St. Office 1018 Auburn, AL 36801

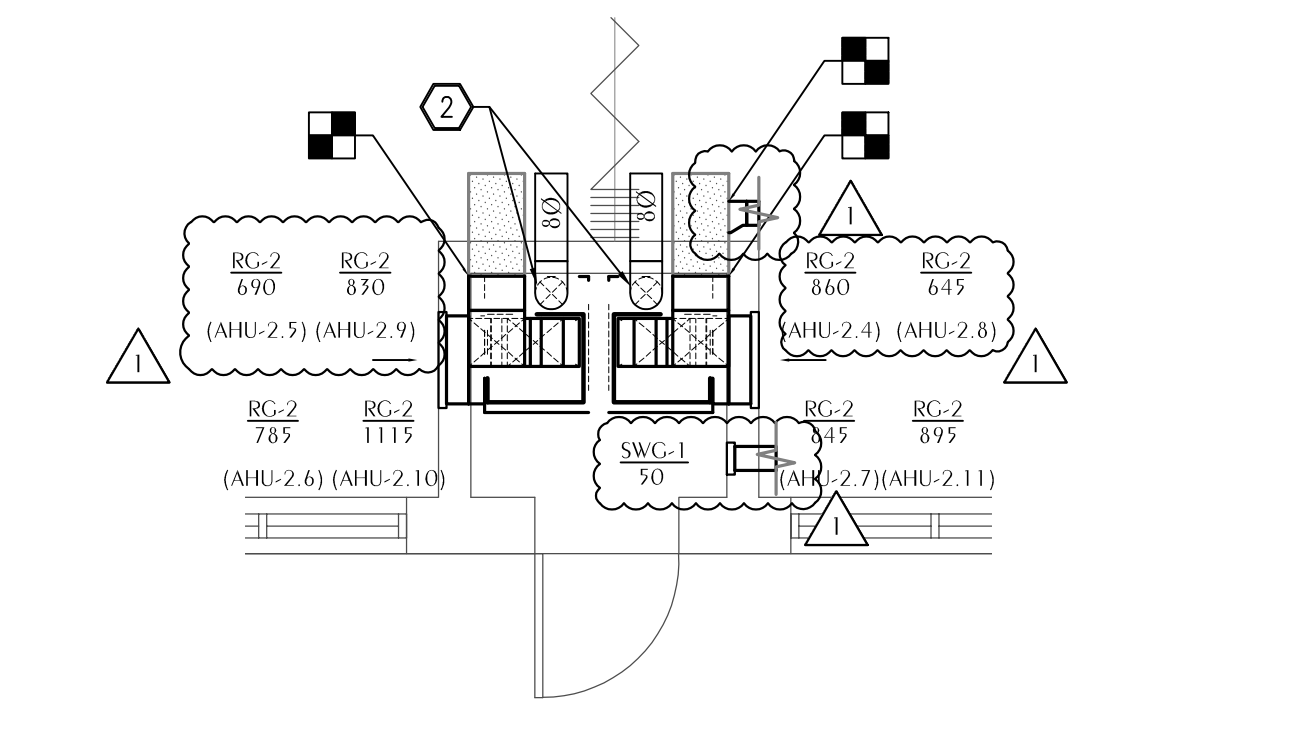
Florida CA Number: 27125
Keith A. Johnson PE
Florida License Number: 95457
800.526.3447
Project Number: 2025018
Created By: JAW
Drawn By: JVB

SHEET NOTES

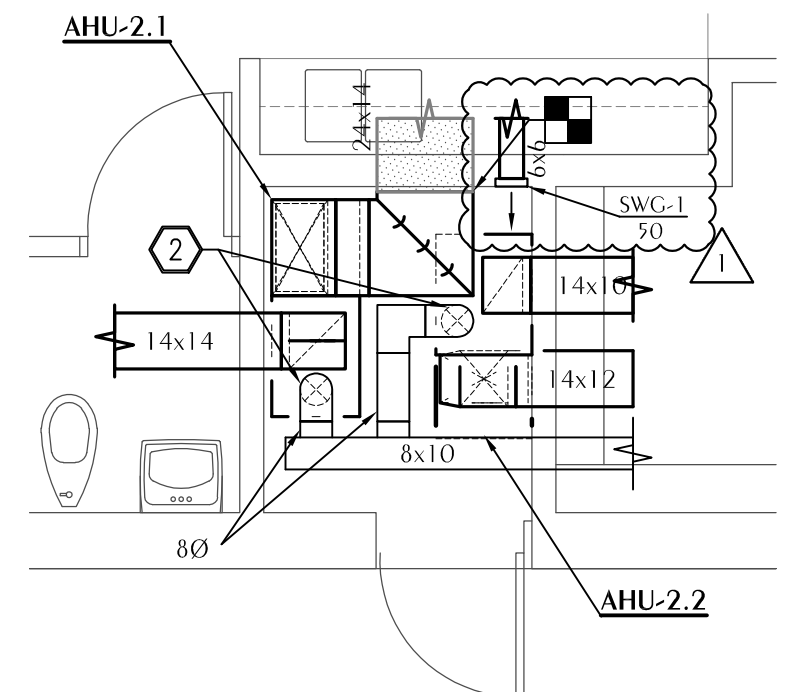
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- 4 PROVIDE HANGERS AND SUPPORTS AS NECESSARY AND INSTALL EXHAUST FAN IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. TRANSITION DUCTWORK AS NECESSARY TO CONNECT TO EXISTING.



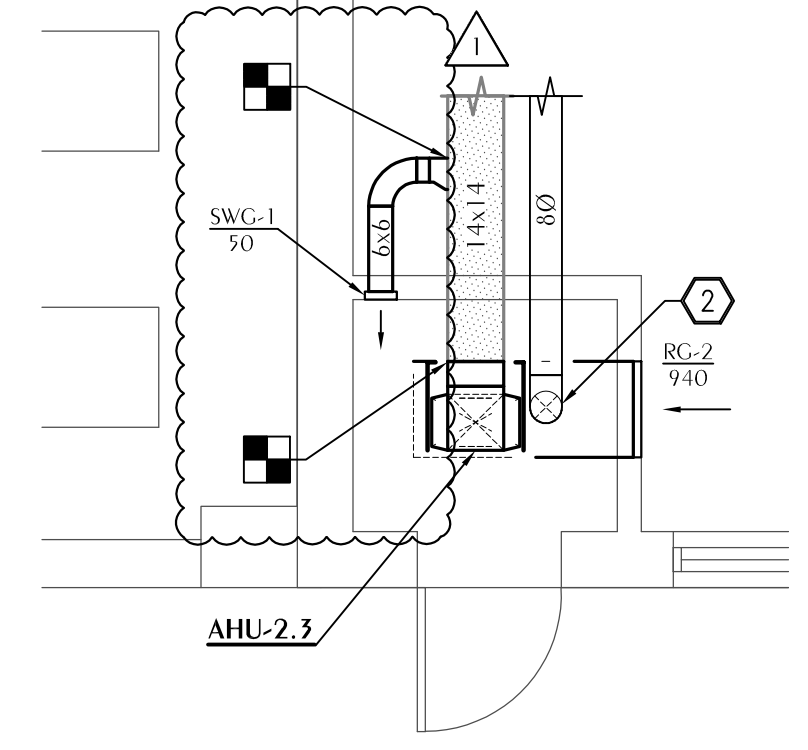
1 HVAC NEW WORK PLAN - BUILDING 2
 SCALE: 1/8" = 1'-0"



2 HVAC ENLARGED NEW WORK PLAN
 SCALE: 1/4" = 1'-0"



3 HVAC ENLARGED NEW WORK PLAN
 SCALE: 1/4" = 1'-0"



4 HVAC ENLARGED NEW WORK PLAN
 SCALE: 1/4" = 1'-0"

PROJECT VOLUME 2

TOMMY SMITH ELEMENTARY SCHOOL RENOVATIONS

5044 TOMMY SMITH DR. PANAMA CITY, FL 32404

OWNER BAY DISTRICT SCHOOLS ARCHITECT'S SEAL

NOT FOR CONSTRUCTION

PROJECT TEAM
 ARCHITECTURAL
 Caldwell Associates
 PLUMBING
 Watford Engineering
 MECHANICAL
 Watford Engineering
 ELECTRICAL
 HG Engineers

PROJECT NUMBERS
 Architect No: 22045B

DELIVERABLES
 Schematic Design: None
 Design Development: 20 JULY 2023
 Bid Documents: TBD
 Architect Issued Addendum #1 to CM for Bidding 05 July 2024

SHEET TITLE
 HVAC NEW WORK PLAN - BLDG. 2

SHEET NUMBER
M202

WATFORD ENGINEERING
 4452 Clinton Street Marianna, Florida 32446
 311 N. College St. Office 1018 Auburn, AL 36830

Florida CA Number: 27135
 Florida License No: 95657
 Project Number: 2025018
 Created By: JAC
 Drawn By: JVB

SHEET NOTES

- 1 ROUTE NEW REFRIGERANT PIPING FROM AHU ABOVE CEILING TO EXTERIOR WALL, DOWN EXTERIOR WALL AND OVER TO APPROPRIATE HEAT PUMP UNIT. INSULATE ENTIRE LENGTH OF SUCTION PIPE WITH MINIMUM 3/4" FLEXIBLE UNICELLULAR INSULATION. PROVIDE INSULATION EXPOSED TO WEATHER WITH AN ALUMINUM JACKET.
- 2 PROVIDE MANUAL VOLUME DAMPER (MVD) IN VERTICAL OUTSIDE AIR DUCT.
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- 4 PROVIDE HANGERS AND SUPPORTS AS NECESSARY AND INSTALL EXHAUST FAN IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. TRANSITION DUCTWORK AS NECESSARY TO CONNECT TO EXISTING.

PROJECT VOLUME 2

TOMMY SMITH ELEMENTARY SCHOOL RENOVATIONS

OWNER
BAY DISTRICT SCHOOLS
ARCHITECT'S SEAL

NOT FOR CONSTRUCTION

PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

ELECTRICAL
HG Engineers

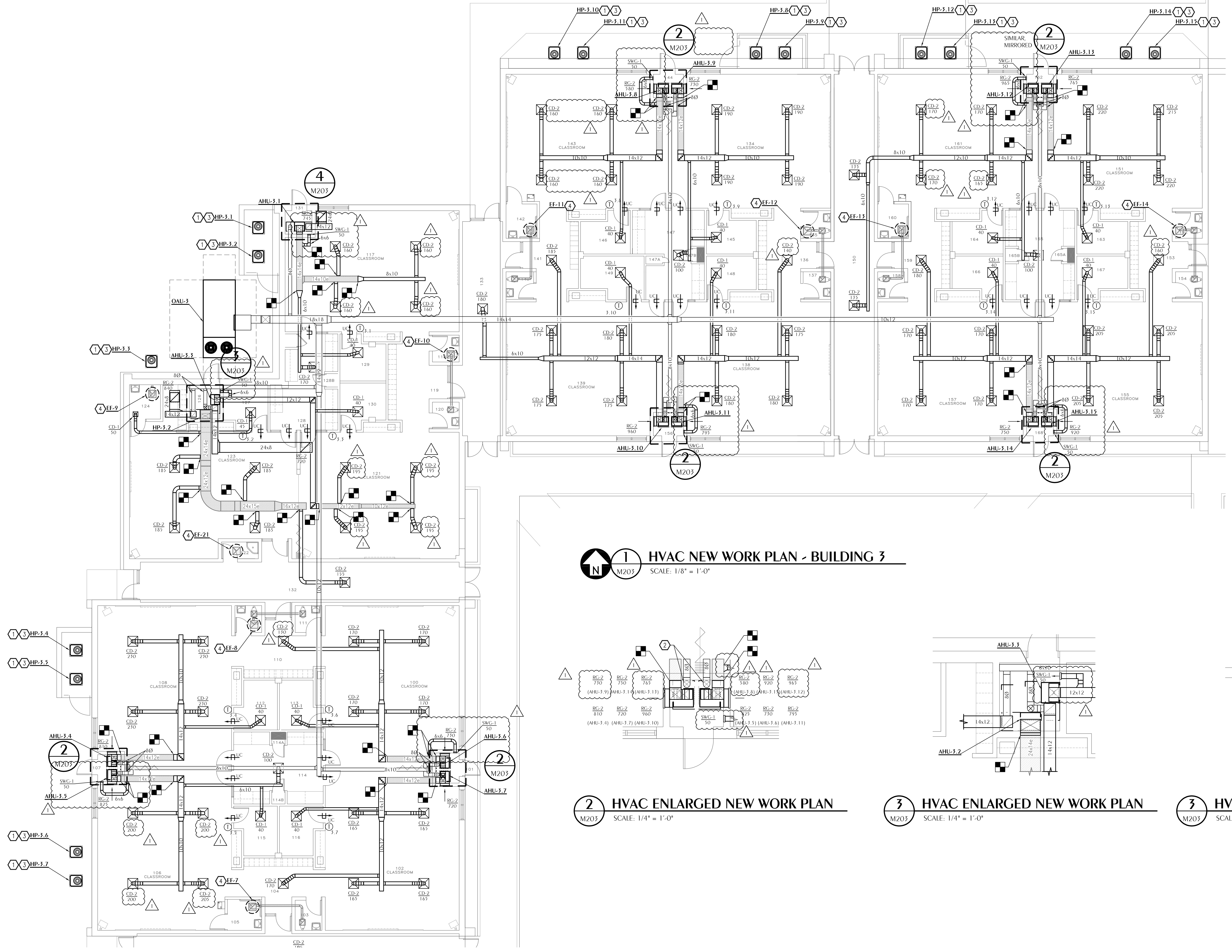
PROJECT NUMBERS
Architect No: 220458

DELIVERABLES
Schematic Design: None
Design Development: 20 JULY 2023
Bid Documents: TBD
Architect Issued Addendum #1 to CM for Bidding 05 July 2024

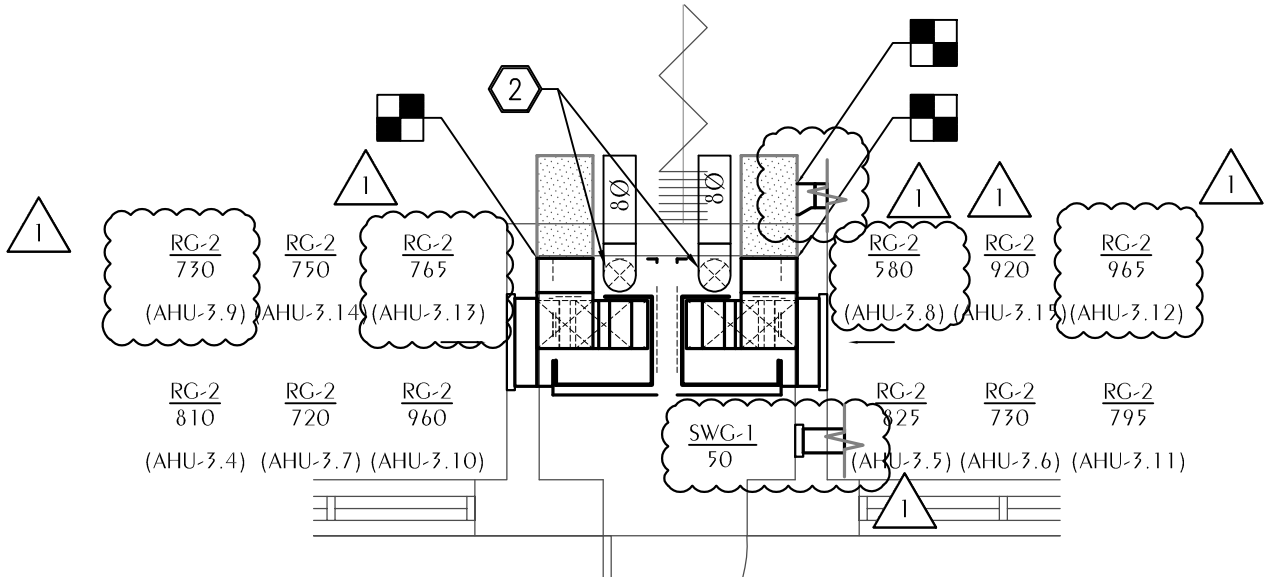
SHEET TITLE
HVAC NEW WORK
PLAN - BLDG. 3

SHEET NUMBER
M203

WATFORD ENGINEERING
4452 Clinton Street Marietta, Florida 32448
311 N. College St. Office 1018 Auburn, AL 36830
Phone CA Number: 27125
Keith A. Johnson PE
Florida License Number: 86457
800.526.3447
Project Number: 2025018
Created By: JAW
Drawn By: JVB



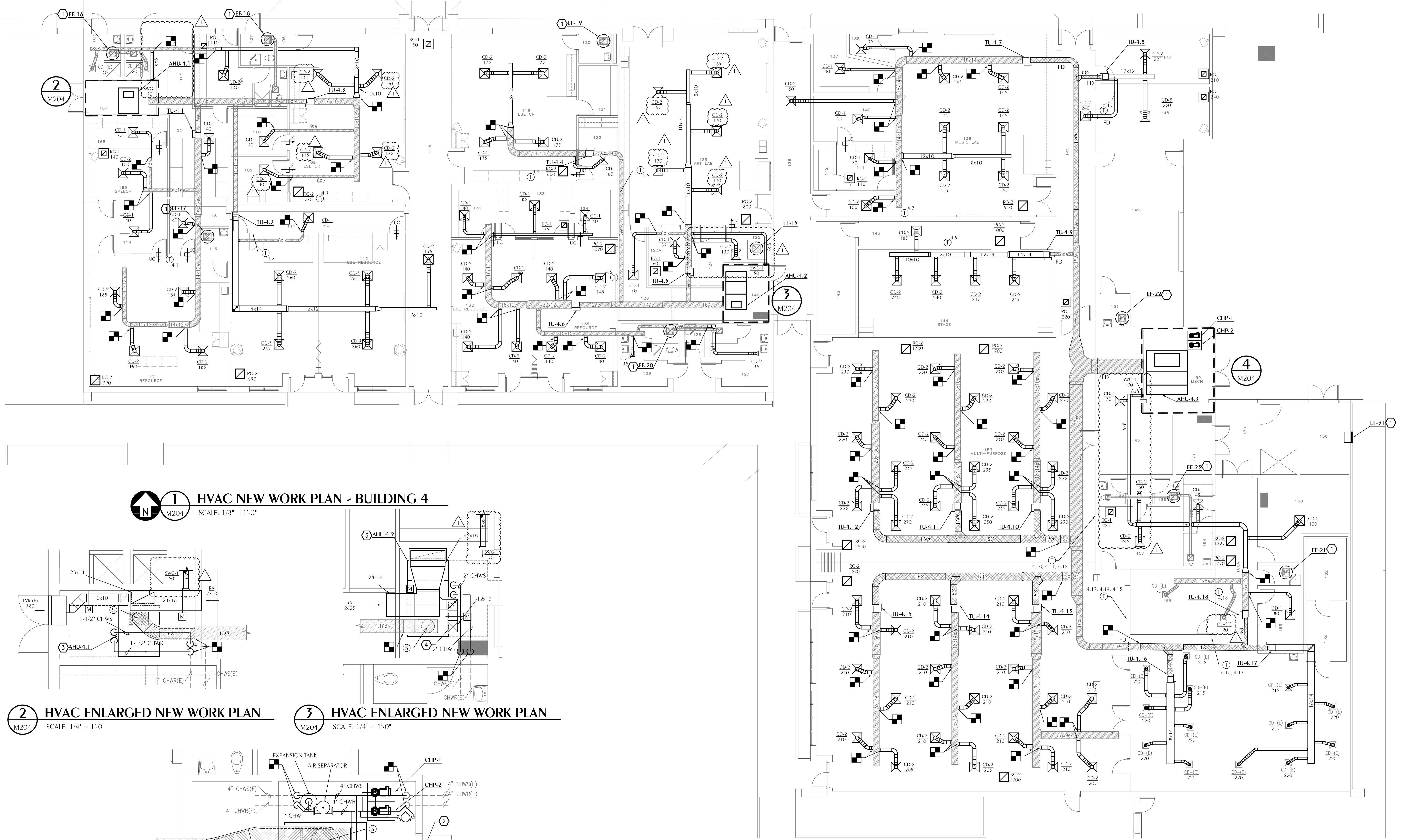
1 HVAC NEW WORK PLAN - BUILDING 3
SCALE: 1/8" = 1'-0"



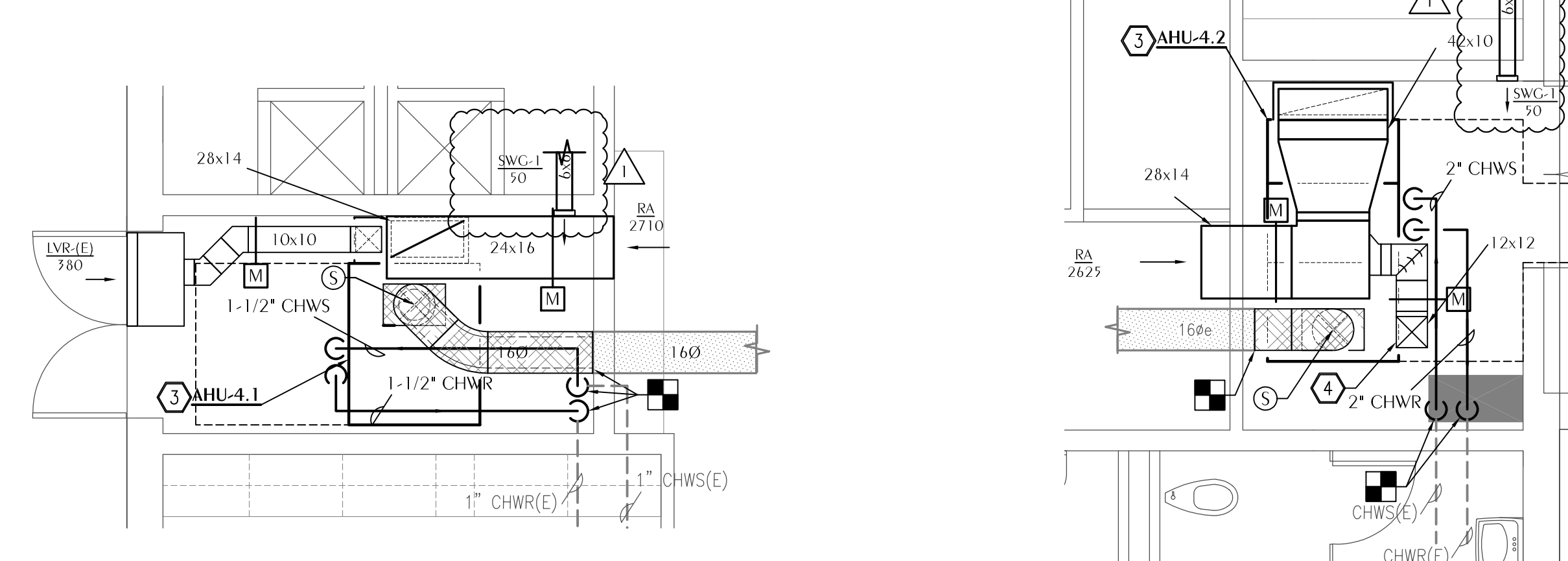
2 HVAC ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"

3 HVAC ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"

3 HVAC ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"

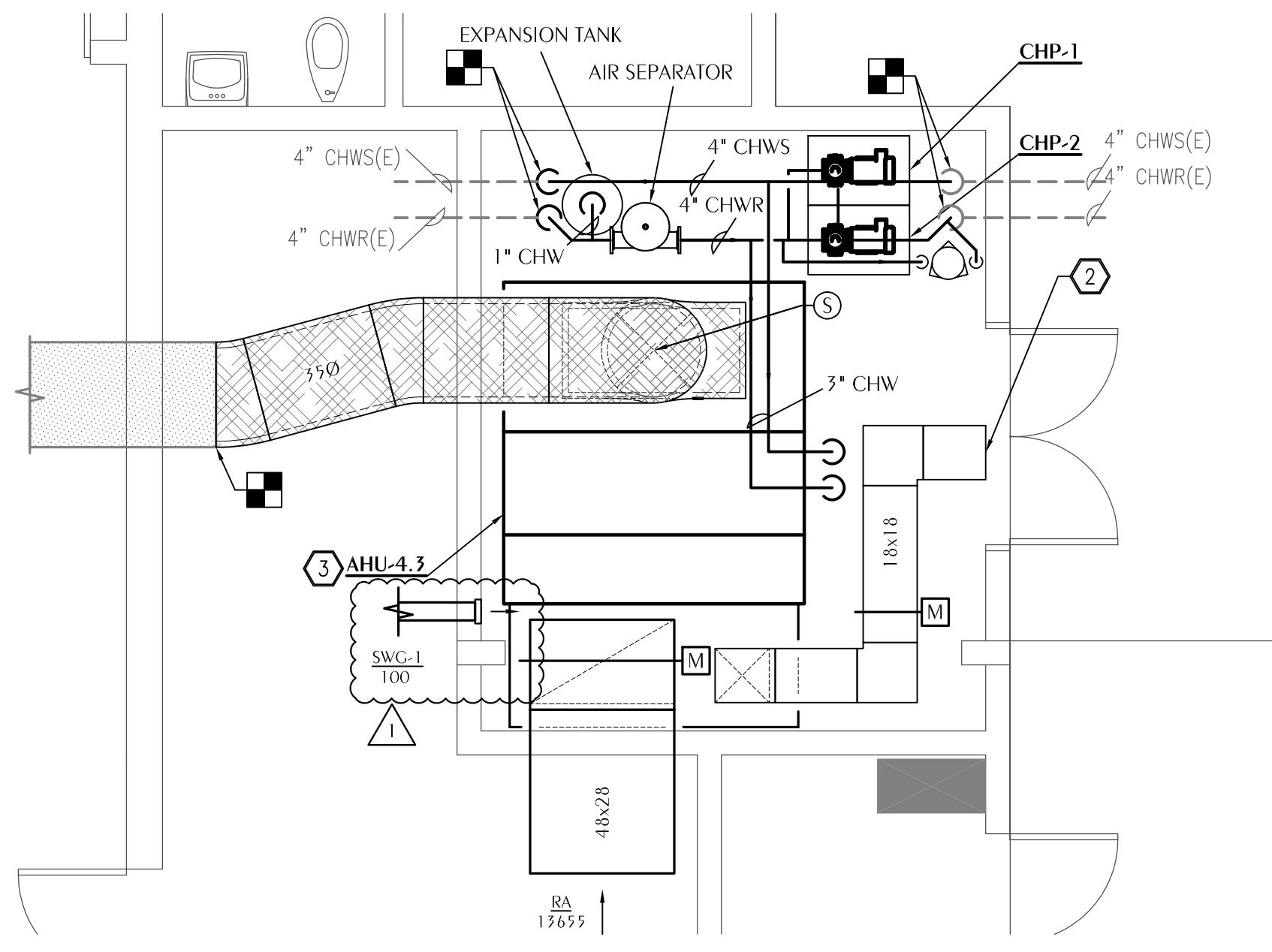


1 HVAC NEW WORK PLAN - BUILDING 4
 SCALE: 1/8" = 1'-0"



2 HVAC ENLARGED NEW WORK PLAN
 SCALE: 1/4" = 1'-0"

3 HVAC ENLARGED NEW WORK PLAN
 SCALE: 1/4" = 1'-0"



4 HVAC ENLARGED NEW WORK PLAN
 SCALE: 1/4" = 1'-0"

SHEET NOTES

- 1 PROVIDE HANGERS AND SUPPORTS AS NECESSARY AND INSTALL EXHAUST FAN IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. TRANSITION DUCTWORK AS NECESSARY TO CONNECT TO EXISTING.
- 2 CONNECT OUTSIDE AIR DUCT TO EXISTING EXTERIOR SOFFIT.
- 3 PROVIDE 3" TALL HOUSEKEEPING PAD MINIMUM 3" LARGER THAN NEW EQUIPMENT ON ALL SIDES.
- 4 CONNECT TO EXISTING OUTSIDE AIR DUCT. SMOOTHLY TRANSITION AS NECESSARY.



Florida CA Number: 27125
 Keith A. Johnson, PE
 Florida License Number: 95457
 800.526.8447
 Project Number: 2025018
 Created By: JAW
 Drawn By: JVB

SHEET NOTES

- 1 PROVIDE HANGERS AND SUPPORTS AS NECESSARY AND INSTALL EXHAUST FAN IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. TRANSITION DUCTWORK AS NECESSARY TO CONNECT TO EXISTING.
- 2 CONNECT OUTSIDE AIR DUCT TO EXTERIOR SOFFIT.
- 3 PROVIDE 3" TALL HOUSEKEEPING PAD MINIMUM 3" LARGER THAN NEW EQUIPMENT ON ALL SIDES.

PROJECT
VOLUME 2

TOMMY SMITH ELEMENTARY SCHOOL
RENOVATIONS

5044 TOMMY SMITH DR.
PANAMA CITY, FL 32404

OWNER
BAY DISTRICT SCHOOLS

ARCHITECT'S SEAL

NOT FOR CONSTRUCTION

PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

ELECTRICAL
HG Engineers

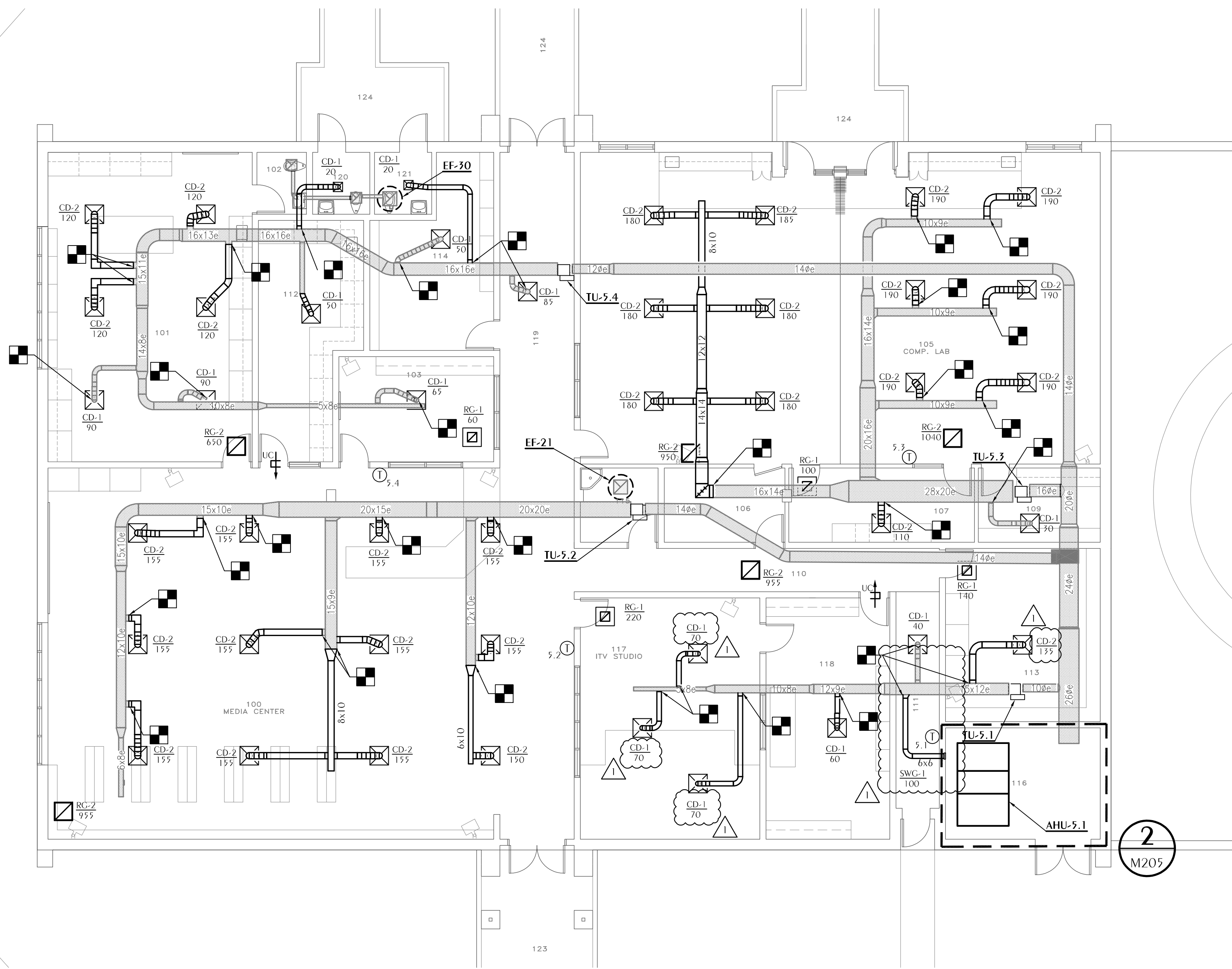
PROJECT NUMBERS
Architect No: 22045B

DELIVERABLES
Schematic Design: None
Design Development: 20 JULY 2023
Bid Documents: TBD

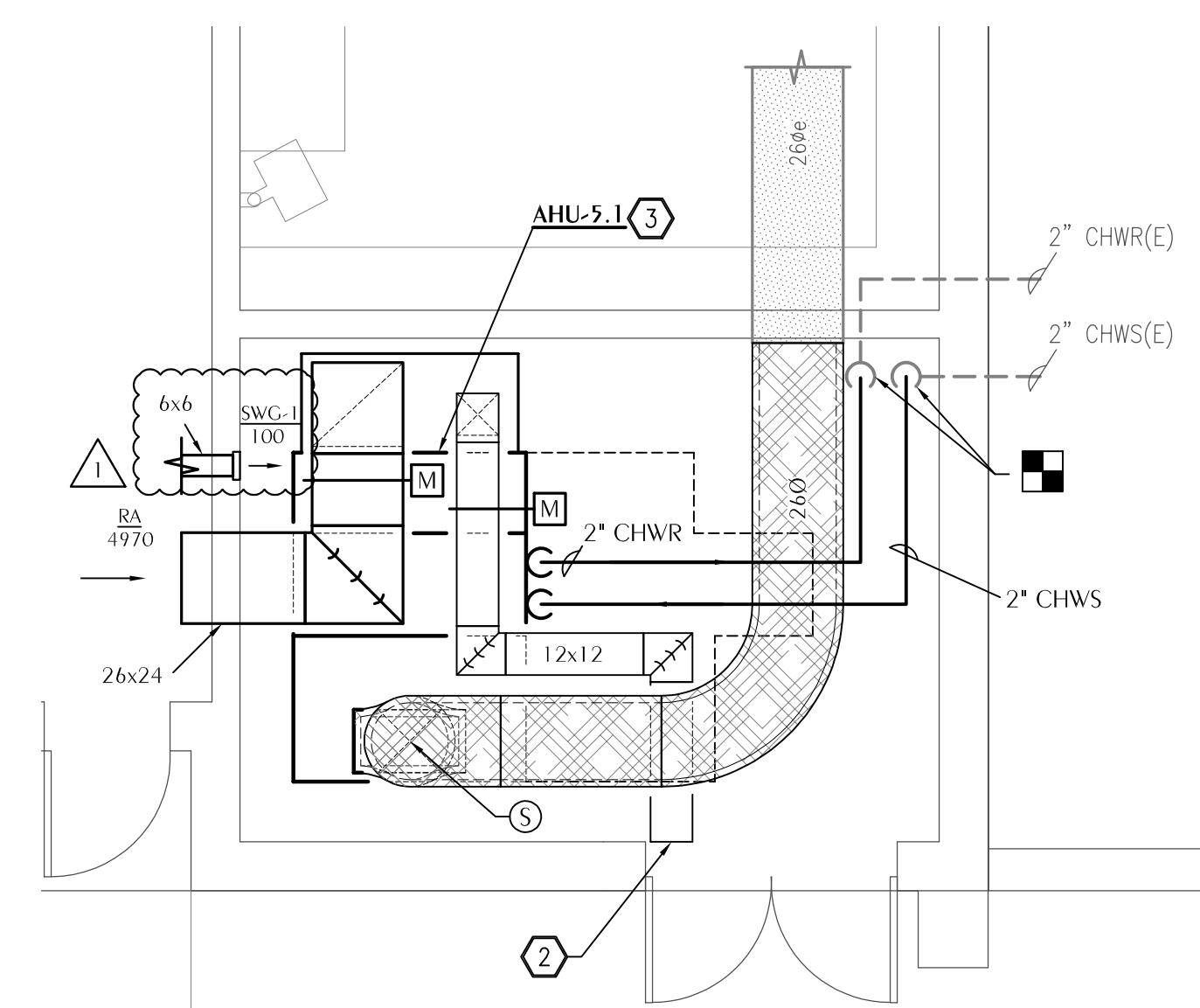
Architect Issued Addendum #1 to CM for Bidding 05 July 2024

SHEET TITLE
HVAC NEW WORK
PLAN - BLDG. 5

SHEET NUMBER
M205



1 HVAC NEW WORK PLAN - BUILDING 5
SCALE: 1/8" = 1'-0"



3 HVAC ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"

WATFORD ENGINEERING
4452 Clinton Street Marianna, Florida 32448
311 N. College St. Office 1018 Auburn, AL 36830

Florida CA Number: 27125
Keith A. Johnson, PE
Florida License Number: 95457
800.526.3447
Project Number: 2025018
Created By: JAW
Drawn By: JVB

DDC SYSTEM LEGEND

- DI DIGITAL INPUT
- DO DIGITAL OUTPUT
- AI ANALOG INPUT
- AO ANALOG OUTPUT
- DV DIGITAL VALUE
- AV ANALOG VALUE

DDC SYSTEM GENERAL NOTES

1. NEW DDC SYSTEM SHALL TIE INTO THE EXISTING NIAGARA FRONT END.
2. THE DDC CONTRACTOR SHALL PROVIDE A NEW DDC SYSTEM TO PERFORM THE INDICATED SEQUENCES, ALL OTHER FUNCTIONS REQUIRED BY THE CONTRACT DOCUMENTS, AND ALL OTHER FUNCTIONS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
3. THE CONTROLS CONTRACTOR SHALL PROVIDE A DDC SYSTEM FOR THE NEW EQUIPMENT THAT MEETS ALL REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS, THIS SHALL INCLUDE ALL GRAPHICS, AREA CONTROL MEMBERS, TIME SCHEDULING, ETC. ALL WORK SHALL BE THE RESPONSIBILITY OF THIS CONTROLS CONTRACTOR.
4. ALL SEQUENCES ARE SUBJECT TO SAFETIES. DDC CONTRACTOR SHALL PROVIDE ALL NECESSARY AND CUSTOMARY SAFETIES.
5. ALL WIRING SHALL BE IN CONDUIT. ALL CONDUIT SHALL BE IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS, REQUIREMENTS FOR 120 VAC CIRCUITS.
6. ALL CONTROL TUBING SHALL BE RUN IN CONDUIT. ALL CONDUIT SHALL BE IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS, REQUIREMENTS FOR 120 VAC CIRCUITS.
7. CONDUIT SHALL BE RUN PERPENDICULAR AND PARALLEL TO BUILDING LINES IN A FIRST CLASS WORKMANSHIP LIKE MANNER.
8. ALL WELLS SHALL BE 3/16 STAINLESS STEEL AND SHALL BE INSTALLED IN NEW THREDOLETS WHETHER INSTALLED IN NEW OR EXISTING PIPING. IN CHILLED WATER PIPING PROVIDE NEW WELLS WITH EXTENDED NECK TO SUIT INSULATION THICKNESS.
9. ALL EXISTING CONTROLS CONDUIT, WIRING, ENCLOSURES, AND DEVICES NOT TO BE REUSED SHALL BE REMOVED INCLUDING STRAPS, HANGERS, ETC.
10. NO EXPOSED CONDUIT SHALL BE USED IN FINISHED SPACES.
11. WHERE EXISTING CONTROLS DEVICES ARE REMOVED AND THE EXISTING LOCATION IS NOT TO BE REUSED, THE CONTRACTOR SHALL PROVIDE A BLANK COVER PLATE TO MATCH EXISTING ROOM DEVICES.
12. WHERE NEW DEVICES REPLACING EXISTING DEVICES DO NOT FULLY COVER THE FOOTPRINT OF THE EXISTING DEVICE, THE CONTRACTOR SHALL PROVIDE AN ESCUTCHEON OR TRIM PIECE TO COVER THE UNFINISHED SURFACE.
13. PROVIDE TWO LAPTOP COMPUTERS FOR MAINTENANCE AND SERVICE STAFF WITH ALL SERVICE SOFTWARE FOR THE SYSTEM INSTALLED. CONTROLS SYSTEM TRAINING SHALL INCLUDE TRAINING ON HOW TO USE THE TOOL FOR DIAGNOSTICS, TO MAKE SIMPLE SEQUENCE MODIFICATIONS, AND TO CONFIGURE NEW SENSORS AND CONTROLLERS.

**SEQUENCE OF OPERATION
HEAT PUMP-PRETREATED OA**

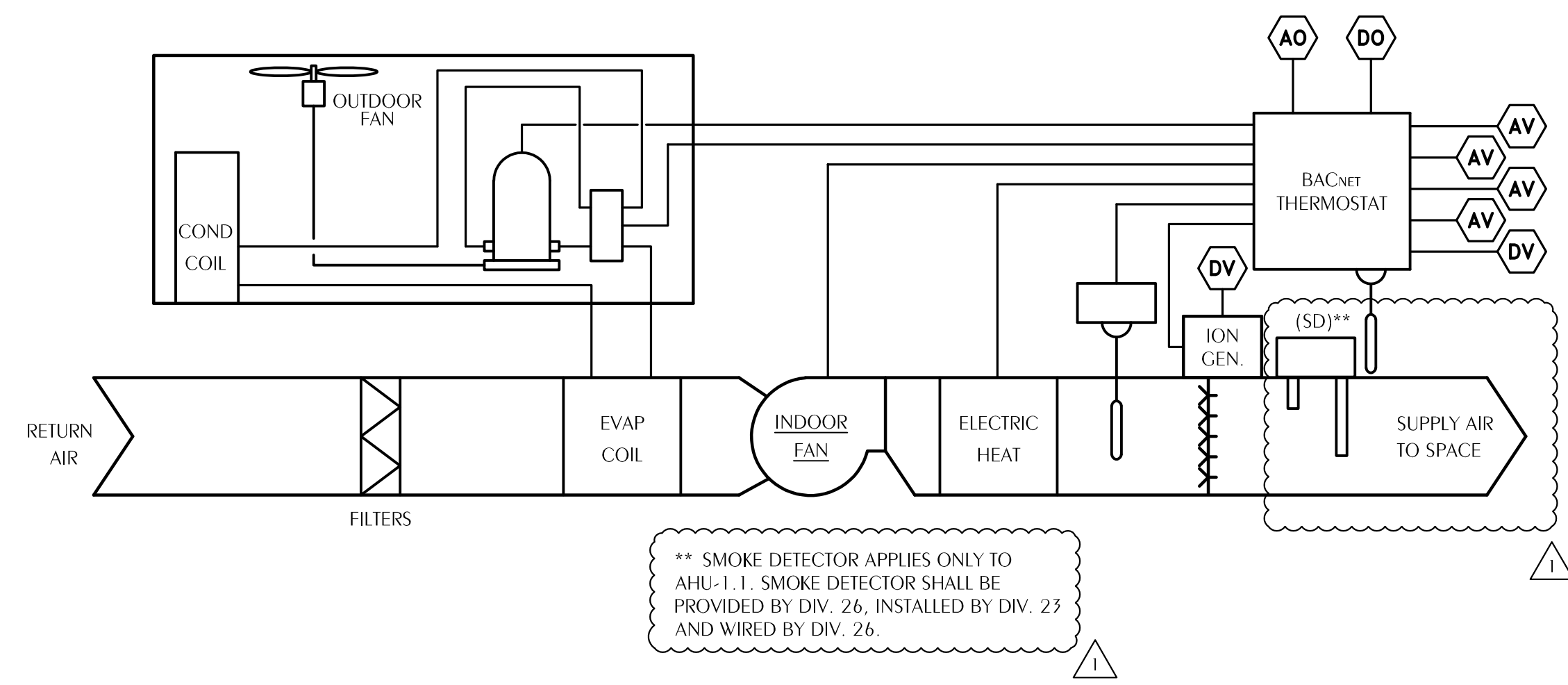
GENERAL: THE UNIT SHALL BE STARTED AUTOMATICALLY BY THE BACnet THERMOSTAT. ALL CONTROLS ACTIVATED SUBJECT TO THE FIRE ALARM RELAY, SAFETIES AND OVERLOADS. THE DDC SYSTEM SHALL INCLUDE A GRAPHIC FOR EACH UNIT AND COMMUNICATE THE INDICATED VALUES AND SETPOINTS ON THE GRAPHIC. THE DDC SHALL POST AN ALARM WHEN THE RELATIVE HUMIDITY EXCEEDS 65% (ADJUSTABLE) AND TEMPERATURE EXCEEDS SETPOINT ± 2°F FOR SPACE TEMPERATURE MORE THAN 1 HOUR AFTER OCCUPIED MODE BEGINS.

OCCUPIED MODE: THE INDOOR FAN SHALL RUN CONTINUALLY AND THE HEAT PUMP SHALL CYCLE WITH A CALL FOR HEATING AND COOLING. THE SET POINT FOR COOLING SHALL BE 75°F ADJUSTABLE. THE SET POINT FOR HEATING SHALL BE 70°F ADJUSTABLE. THE SUPPLEMENTAL ELECTRIC HEAT SHALL OPERATE AS A SECOND STAGE OF HEATING ENABLED ONLY DURING DEEROST OR WHEN THE OUTDOOR TEMPERATURE IS BELOW 55°F AND THE HEAT PUMP CAN NOT SATISFY THE CALL FOR HEATING AFTER 20 MINUTES OF RUN TIME.

UNOCCUPIED MODE: THE INDOOR FAN AND HP SHALL CYCLE TO MAINTAIN SET POINT TEMPERATURE. THE SET POINT FOR COOLING SHALL BE 80°F ADJUSTABLE. THE SET POINT FOR HEATING SHALL BE 65°F ADJUSTABLE.

VERRIDE MODE: THE OVERRIDE MODE SHALL PLACE THE SYSTEM IN OCCUPIED MODE FOR 1 HR AND THE OUTSIDE AIR UNIT FOR THE UNIT IN OVERRIDE SHALL BE PLACED IN OCCUPIED MODE FOR 1 HR.

BIPOLAR IONIZATION: THE BACnet THERMOSTAT SHALL MONITOR A DIGITAL ALARM OUTPUT ON THE IONIZATION DEVICE AND THE DDC SHALL MONITOR THIS POINT AND POST AN ALARM IF THERE IS A FAILURE.



** SMOKE DETECTOR APPLIES ONLY TO AHU-11. SMOKE DETECTOR SHALL BE PROVIDED BY DIV. 23 AND WIRED BY DIV. 26.

POINT NAME	HARDWARE POINTS					SOFTWARE POINTS				
	AI	AO	DI	DO	AV	DV	SCHED	TREND	ALARM	GRAPHIC
OCCUPIED/UNOCCUPIED SCHED				X						X
BMS TEMPERATURE SETPOINT		X								X
ZONE TEMP SETPOINT					X					X
ZONE TEMP					X				X	X
ZONE RELATIVE HUMIDITY					X				X	X
SUPPLY AIR TEMP					X					X
IONIZATION DEVICE						X			X	X

1 HEAT PUMP-PRETREATED OA CONTROL DIAGRAM
SCALE: NONE

**SEQUENCE OF OPERATION
100% OUTSIDE AIR UNIT**

GENERAL: THE DDC CONTRACTOR SHALL INSTALL FIELD MOUNTED SENSORS PROVIDED BY THE UNIT MANUFACTURER. THE DDC SYSTEM SHALL CONNECT TO THE UNITS BACNET INTERFACE TO READ THE POINTS INDICATED. THE DDC SYSTEM SHALL PROVIDE OCCUPIED/UNOCCUPIED SIGNAL TO THE FACTORY MOUNTED UNIT CONTROLLER. MONITOR ALARM STATUSES, AND MONITOR VALUES INDICATED. THE DDC SHALL MONITOR BUILDING RELATIVE HUMIDITY (BACnet POINTS FROM ROOM THERMOSTATS) AND OUTSIDE AIR SUPPLY AIR DEWPOINT TEMPERATURE. WHEN THE OA DEWPOINT SUPPLY AIR TEMPERATURE RISES ABOVE 60°F FOR MORE THAN 10 MINUTES (ADJUSTABLE), THE DDC SHALL POST AN ALARM AND SHUT DOWN THE OUTSIDE AIR UNIT.

THE FOLLOWING SEQUENCE OF OPERATIONS SHALL BE PROVIDED BY THE UNIT MANUFACTURER:

GENERAL: STARTING AND STOPPING OF EQUIPMENT SHALL BE BY A UNIT MOUNTED DIGITAL CONTROLLER. WITH THE DIGITAL CONTROLLER IN THE AUTO POSITION, THE UNIT SHALL BE STARTED AUTOMATICALLY BY THE ELECTRONIC CONTROL SYSTEM AND ALL CONTROLS ACTIVATED SUBJECT TO THE FIRE ALARM RELAY, SAFETIES AND OVERLOADS.

OCCUPIED MODE DEHUMIDIFICATION: THE MOTORIZED OA DAMPER SHALL OPEN TO THE BALANCED POSITION AND THE INDOOR FAN SHALL RUN CONTINUOUSLY. THE UNIT SHALL DEHUMIDIFY SUPPLY TO A SET POINT OF 50°F DEWPOINT AIR ANYTIME THE OUTDOOR AIR DEWPOINT IS ABOVE 55°F. THE UNIT SHALL REHEAT SUPPLY AIR TO SPACE CONDITIONS WITH VARIABLE HOT GAS, MAINTAINING LEAVING AIR TEMPERATURE OF 72°F.

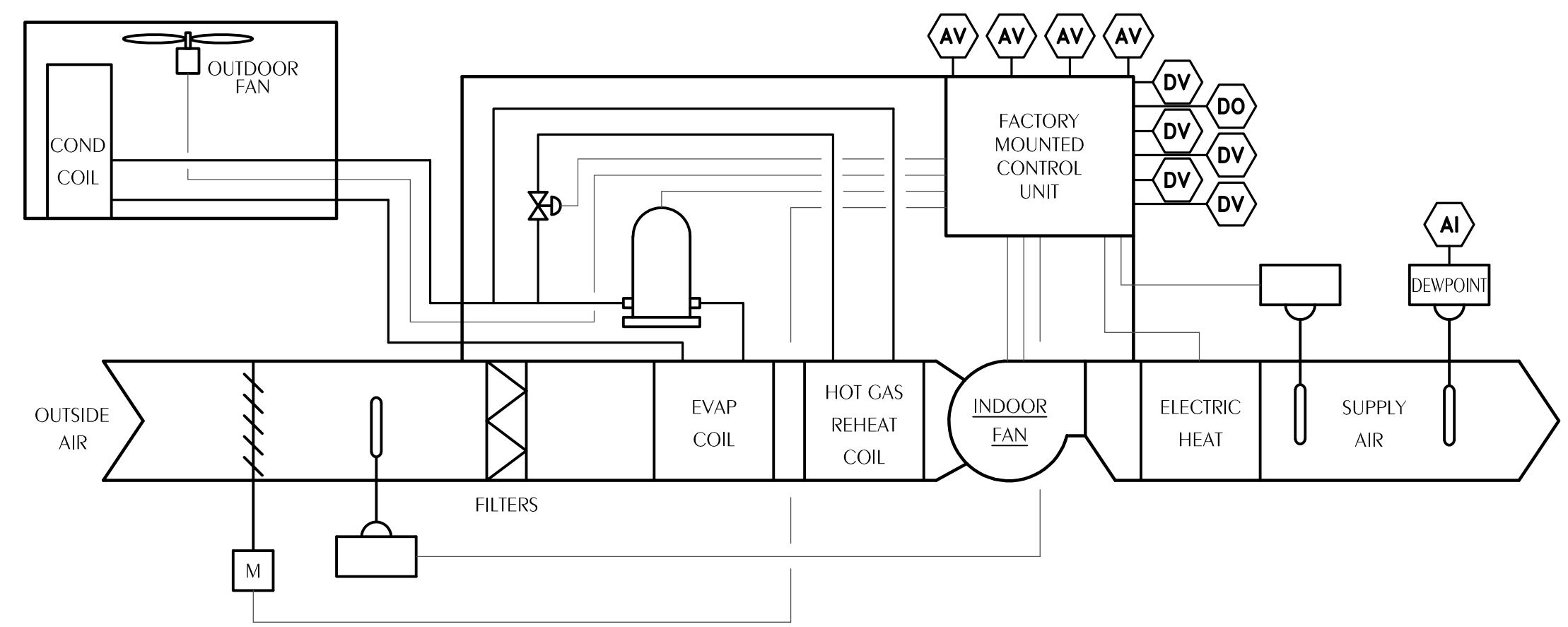
OCCUPIED MODE HEATING: WHEN THE OUTDOOR AIR TEMPERATURE FALLS BELOW 50°F, THE ELECTRIC HEAT SHALL OPERATE AS REQUIRED TO MAINTAIN 70°F LEAVING AIR TEMPERATURE. THE ELECTRIC HEAT SHALL BE LOCKED OUT DURING COOLING.

UNOCCUPIED MODE: THE MOTORIZED OA DAMPER SHALL CLOSE AND THE UNIT SHALL BE NOT OPERATE.

VERRIDE MODE: THE OVERRIDE MODE SHALL PLACE THE SYSTEM IN OCCUPIED MODE AND THE OUTSIDE AIR DAMPER FOR THE UNIT IN OVERRIDE SHALL OPEN TO THE BALANCED POSITION.

SUPPLY AIR RESET-TEMPERATURE BASED: AT THE START OF EACH PERIOD OF OCCUPANCY, THE DDC SHALL SET SUPPLY AIR TEMPERATURE TO 60°F. THE DDC SYSTEM SHALL MONITOR THE ASSOCIATED AHUS IN THE AREAS SERVED BY EACH OAU. UPON A CALL FOR HEATING FROM MORE THAN 10% OF THE UNITS SERVED BY THE OAU, THE DDC SHALL RESET OAU DISCHARGE AIR TEMPERATURE UP IN 5°F INCREMENTS UNTIL THERE ARE FEWER THAN 10% OF THE UNITS SERVED WITH HEATING DEMAND OR A MAXIMUM SUPPLY AIR TEMPERATURE OF 75°F HAS BEEN REACHED. THE INCREASE IN TEMPERATURE SHALL BE ACCOMPLISHED BY THE ELECTRIC REHEAT COIL.

SUPPLY AIR RESET-HUMIDITY BASED: THE DDC SYSTEM SHALL MONITOR THE ASSOCIATED AHUS IN THE AREAS SERVED BY EACH OAU. UPON A RISE IN AVERAGE RELATIVE HUMIDITY ABOVE 65% (ADJUSTABLE), THE DDC SHALL RESET OAU DISCHARGE AIR TEMPERATURE UP IN 5°F INCREMENTS UNTIL THE CALL FOR DEHUMIDIFICATION HAS BEEN SATISFIED OR A MAXIMUM SUPPLY AIR TEMPERATURE OF 75°F HAS BEEN REACHED. THE INCREASE IN TEMPERATURE SHALL BE ACCOMPLISHED BY THE ELECTRIC REHEAT COIL.



2 100% OUTSIDE AIR UNIT CONTROL DIAGRAM
SCALE: NONE

POINT NAME	HARDWARE POINTS					SOFTWARE POINTS				
	AI	AO	DI	DO	AV	DV	SCHED	TREND	ALARM	GRAPHIC
SCHEDULE				X						X
FAULT						X			X	X
OUTSIDE AIR SUPPLY DEW POINT	X								X	X
OUTDOOR AIR TEMP					X					X
OUTSIDE AIR DEW POINT					X					X
SUPPLY AIR TEMP					X					X
ELECTRIC HEAT					X					X
OA DAMPER						X				X
COMPRESSOR						X				X
FAN START/STOP						X				X
FAN STATUS						X			X	X

**PROJECT
VOLUME 2**

**TOMMY SMITH
ELEMENTARY SCHOOL
RENOVATIONS**

5044 TOMMY SMITH DR.
PANAMA CITY, FL 32404

**OWNER
BAY
DISTRICT
SCHOOLS**

ARCHITECT'S SEAL

**NOT FOR
CONSTRUCTION**

PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

ELECTRICAL
HG Engineers

PROJECT NUMBERS
Architect No: 22045B

DELIVERABLES
Schematic Design: None
Design Development: 20 JULY 2023
Bid Documents: TBD

Architect Issued Addendum #1 to CM for Bidding 05 July 2024

**SHEET TITLE
HVAC CONTROLS**

**SHEET NUMBER
M401**

WATFORD ENGINEERING
4452 Clinton Street Marietta, Florida 32448
311 N. College St. Office 1018 Auburn, AL 36830

Florida CA Number: 27125
Keith A. Johnson PE
Florida License Number: 95457
800.526.3447
Project Number: 2025018
Created By: AK
Drawn By: FVB

PROJECT VOLUME 3

TOMMY SMITH ELEMENTARY SCHOOL RENOVATIONS BAY DISTRICT SCHOOLS ARCHITECT'S SEAL

PROJECT TEAM ARCHITECTURAL Caldwell Associates

PLUMBING Watford Engineering

MECHANICAL Watford Engineering

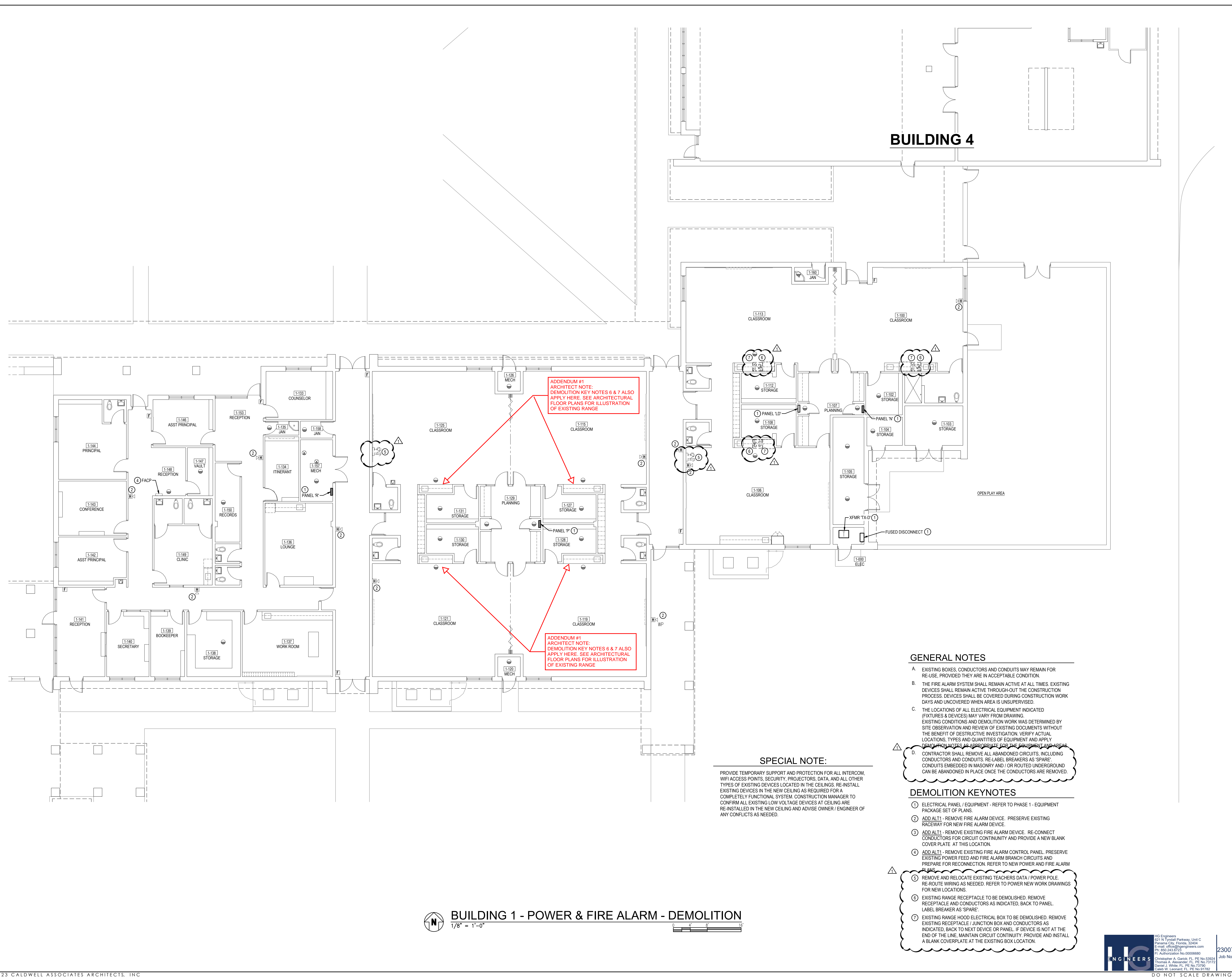
ELECTRICAL HG Engineers

PROJECT NUMBERS Achitect No: 22045D

DELIVERABLES Schematic Design: None Design Development: 20 July 2023 Bid Documents: 17 May 2024 Permit Set: Addendum 1 21 June 2024

SHEET TITLE BUILDING 1 - POWER & FIRE ALARM - DEMOLITION

SHEET NUMBER E101



ADDENDUM #1 ARCHITECT NOTE: DEMOLITION KEY NOTES 6 & 7 ALSO APPLY HERE. SEE ARCHITECTURAL FLOOR PLANS FOR ILLUSTRATION OF EXISTING RANGE

ADDENDUM #1 ARCHITECT NOTE: DEMOLITION KEY NOTES 6 & 7 ALSO APPLY HERE. SEE ARCHITECTURAL FLOOR PLANS FOR ILLUSTRATION OF EXISTING RANGE

SPECIAL NOTE: PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILINGS. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

GENERAL NOTES

- A. EXISTING BOXES, CONDUCTORS AND CONDUITS MAY REMAIN FOR RE-USE, PROVIDED THEY ARE IN ACCEPTABLE CONDITION.
B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGHOUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
C. THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT INDICATED (FIXTURES & DEVICES) MAY VARY FROM DRAWING. EXISTING CONDITIONS AND DEMOLITION WORK WAS DETERMINED BY SITE OBSERVATION AND REVIEW OF EXISTING DOCUMENTS WITHOUT THE BENEFIT OF DESTRUCTIVE INVESTIGATION. VERIFY ACTUAL LOCATIONS, TYPES AND QUANTITIES OF EQUIPMENT AND APPLY DEMOLITION NOTES AS APPROPRIATE FOR THE EQUIPMENT AND AREAS.
D. CONTRACTOR SHALL REMOVE ALL ABANDONED CIRCUITS, INCLUDING CONDUCTORS AND CONDUITS. RE-LABEL BREAKERS AS 'SPARE'. CONDUITS EMBEDDED IN MASONRY AND / OR ROUTED UNDERGROUND CAN BE ABANDONED IN PLACE ONCE THE CONDUCTORS ARE REMOVED.

DEMOLITION KEYNOTES

- 1 ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
2 ADD ALTI - REMOVE FIRE ALARM DEVICE. PRESERVE EXISTING RACEWAY FOR NEW FIRE ALARM DEVICE.
3 ADD ALTI - REMOVE EXISTING FIRE ALARM DEVICE. RE-CONNECT CONDUCTORS FOR CIRCUIT CONTINUITY AND PROVIDE A NEW BLANK COVER PLATE AT THIS LOCATION.
4 ADD ALTI - REMOVE EXISTING FIRE ALARM CONTROL PANEL. PRESERVE EXISTING POWER FEED AND FIRE ALARM BRANCH CIRCUITS AND PREPARE FOR RECONNECTION. REFER TO NEW POWER AND FIRE ALARM PLANS.
5 REMOVE AND RELOCATE EXISTING TEACHERS DATA / POWER POLE. RE-ROUTE WIRING AS NEEDED. REFER TO POWER NEW WORK DRAWINGS FOR NEW LOCATIONS.
6 EXISTING RANGE RECEPTACLE TO BE DEMOLISHED. REMOVE RECEPTACLE AND CONDUCTORS AS INDICATED. BACK TO PANEL. LABEL BREAKER AS 'SPARE'.
7 EXISTING RANGE HOOD ELECTRICAL BOX TO BE DEMOLISHED. REMOVE EXISTING RECEPTACLE / JUNCTION BOX AND CONDUCTORS AS INDICATED. BACK TO NEXT DEVICE OR PANEL. IF DEVICE IS NOT AT THE END OF THE LINE, MAINTAIN CIRCUIT CONTINUITY. PROVIDE AND INSTALL A BLANK COVERPLATE AT THE EXISTING BOX LOCATION.

BUILDING 1 - POWER & FIRE ALARM - DEMOLITION 1/8" = 1'-0"

GENERAL NOTES

- A. EXISTING BOXES, CONDUCTORS AND CONDUITS MAY REMAIN FOR RE-USE, PROVIDED THEY ARE IN ACCEPTABLE CONDITION.
- B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGH-OUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
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- D. CONTRACTOR SHALL REMOVE ALL ABANDONED CIRCUITS, INCLUDING CONDUCTORS AND CONDUITS. RE-LABEL BREAKERS AS 'SPARE'. CONDUITS EMBEDDED IN MASONRY AND / OR ROUTED UNDERGROUND CAN BE ABANDONED IN PLACE ONCE THE CONDUCTORS ARE REMOVED.

DEMOLITION KEYNOTES

- ① ADD ALT1 - REMOVE FIRE ALARM DEVICE. PRESERVE EXISTING RACEWAY FOR NEW FIRE ALARM DEVICE.
- ② ADD ALT1 - REMOVE EXISTING FIRE ALARM DEVICE. RE-CONNECT CONDUCTORS FOR CIRCUIT CONTINUITY AND PROVIDE A NEW BLANK COVER PLATE AT THIS LOCATION.
- ③ ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
- ④ REMOVE AND RELOCATE EXISTING TEACHERS DATA / POWER POLE. RE-ROUTE WIRING AS NEEDED. REFER TO POWER NEW WORK DRAWINGS FOR NEW LOCATIONS.

SPECIAL NOTE:

PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILING. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

PROJECT VOLUME 3

TOMMY SMITH ELEMENTARY SCHOOL RENOVATIONS
OWNER: BAY DISTRICT SCHOOLS
ARCHITECT'S SEAL

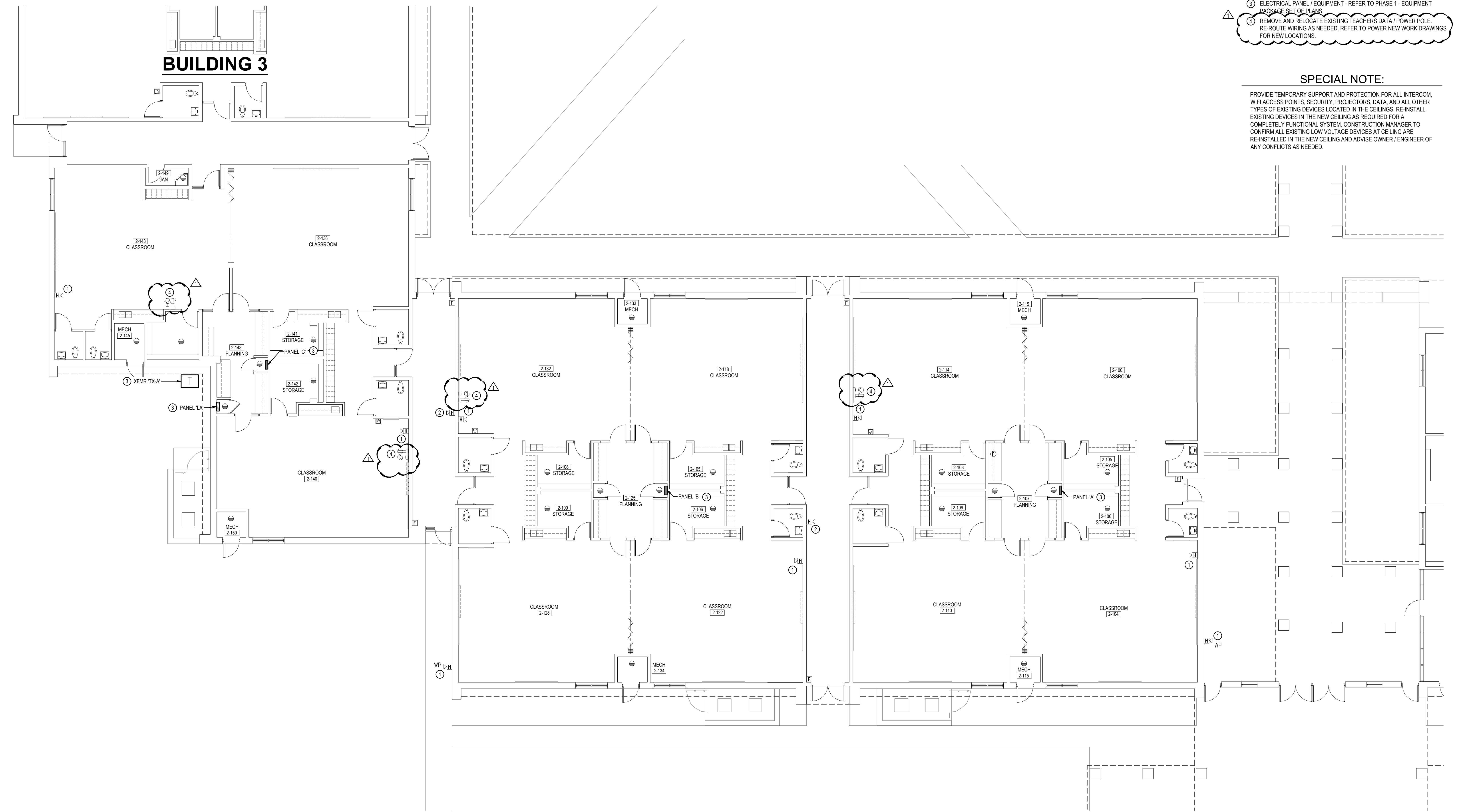
PROJECT TEAM
ARCHITECTURAL: Caldwell Associates
PLUMBING: Watford Engineering
MECHANICAL: Watford Engineering
ELECTRICAL: HG Engineers

PROJECT NUMBERS
Architect No: 22045D

DELIVERABLES
Schematic Design: None
Design Development: 20 July 2023
Bid Documents: 17 May 2024
Permit Set:
Addendum 1: 21 June 2024
Architect Issued Addendum #1 to CM for Bidding: 05 July 2024

SHEET TITLE
BUILDING 2 - POWER & FIRE ALARM - DEMOLITION

SHEET NUMBER
E102



BUILDING 2 - POWER & FIRE ALARM - DEMOLITION
1/8" = 1'-0"

PROJECT
VOLUME 3

TOMMY SMITH ELEMENTARY SCHOOL
RENOVATIONS
OWNER
BAY DISTRICT SCHOOLS

ARCHITECT'S SEAL

PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

ELECTRICAL
HG Engineers

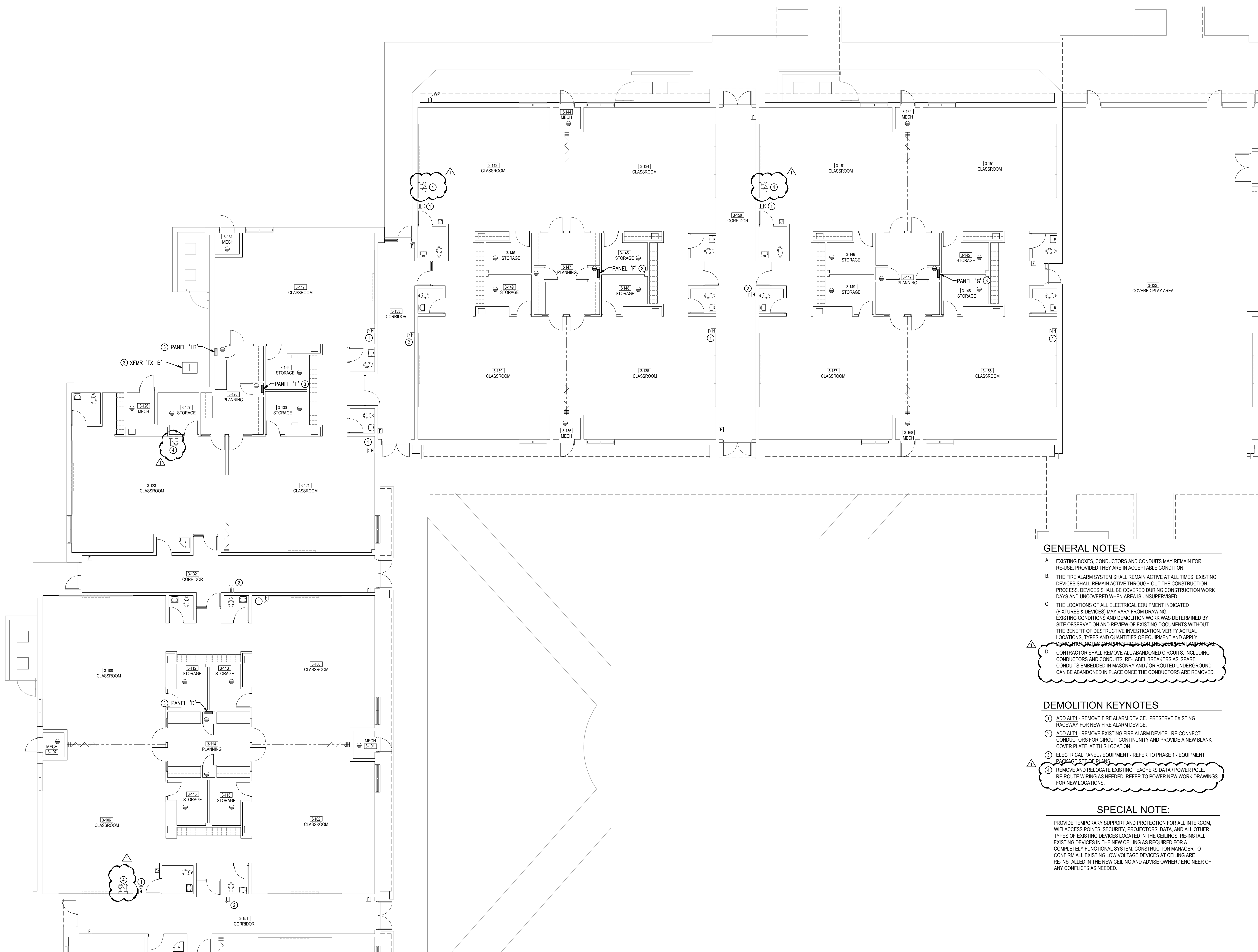
PROJECT NUMBERS
Architect No: 22045D

DELIVERABLES

Schematic Design:	None
Design Development:	20 July 2023
Bid Documents:	17 May 2024
Permit Set:	
Architect Issued Addendum #1 to CM for Bidding:	05 July 2024
Addendum 1:	21 June 2024

SHEET TITLE
BUILDING 3 - POWER & FIRE ALARM - DEMOLITION

SHEET NUMBER
E103



BUILDING 2

BUILDING 3 - POWER & FIRE ALARM - DEMOLITION
1/8" = 1'-0"

GENERAL NOTES

- A. EXISTING BOXES, CONDUCTORS AND CONDUITS MAY REMAIN FOR RE-USE, PROVIDED THEY ARE IN ACCEPTABLE CONDITION.
- B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGH-OUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
- C. THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT INDICATED (FIXTURES & DEVICES) MAY VARY FROM DRAWING. EXISTING CONDITIONS AND DEMOLITION WORK WAS DETERMINED BY SITE OBSERVATION AND REVIEW OF EXISTING DOCUMENTS WITHOUT THE BENEFIT OF DESTRUCTIVE INVESTIGATION. VERIFY ACTUAL LOCATIONS, TYPES AND QUANTITIES OF EQUIPMENT AND APPLY DEMOLITION NOTES AS APPROPRIATE FOR THE DEMOLITION AND REPAIR.
- D. CONTRACTOR SHALL REMOVE ALL ABANDONED CIRCUITS, INCLUDING CONDUCTORS AND CONDUITS. RE-LABEL BREAKERS AS SPARE. CONDUITS EMBEDDED IN MASONRY AND/OR ROUTED UNDERGROUND CAN BE ABANDONED IN PLACE ONCE THE CONDUCTORS ARE REMOVED.

DEMOLITION KEYNOTES

- ① ADD ALTI - REMOVE FIRE ALARM DEVICE. PRESERVE EXISTING RACEWAY FOR NEW FIRE ALARM DEVICE.
- ② ADD ALTI - REMOVE EXISTING FIRE ALARM DEVICE. RE-CONNECT CONDUCTORS FOR CIRCUIT CONTINUITY AND PROVIDE A NEW BLANK COVER PLATE AT THIS LOCATION.
- ③ ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
- ④ REMOVE AND RELOCATE EXISTING TEACHERS DATA / POWER POLE. RE-ROUTE WIRING AS NEEDED. REFER TO POWER NEW WORK DRAWINGS FOR NEW LOCATIONS.

SPECIAL NOTE:

PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILINGS. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

PROJECT VOLUME 3

TOMMY SMITH ELEMENTARY SCHOOL RENOVATIONS

OWNER BAY DISTRICT SCHOOLS ARCHITECT'S SEAL

PROJECT TEAM ARCHITECTURAL Caldwell Associates

PLUMBING Watford Engineering

MECHANICAL Watford Engineering

ELECTRICAL HG Engineers

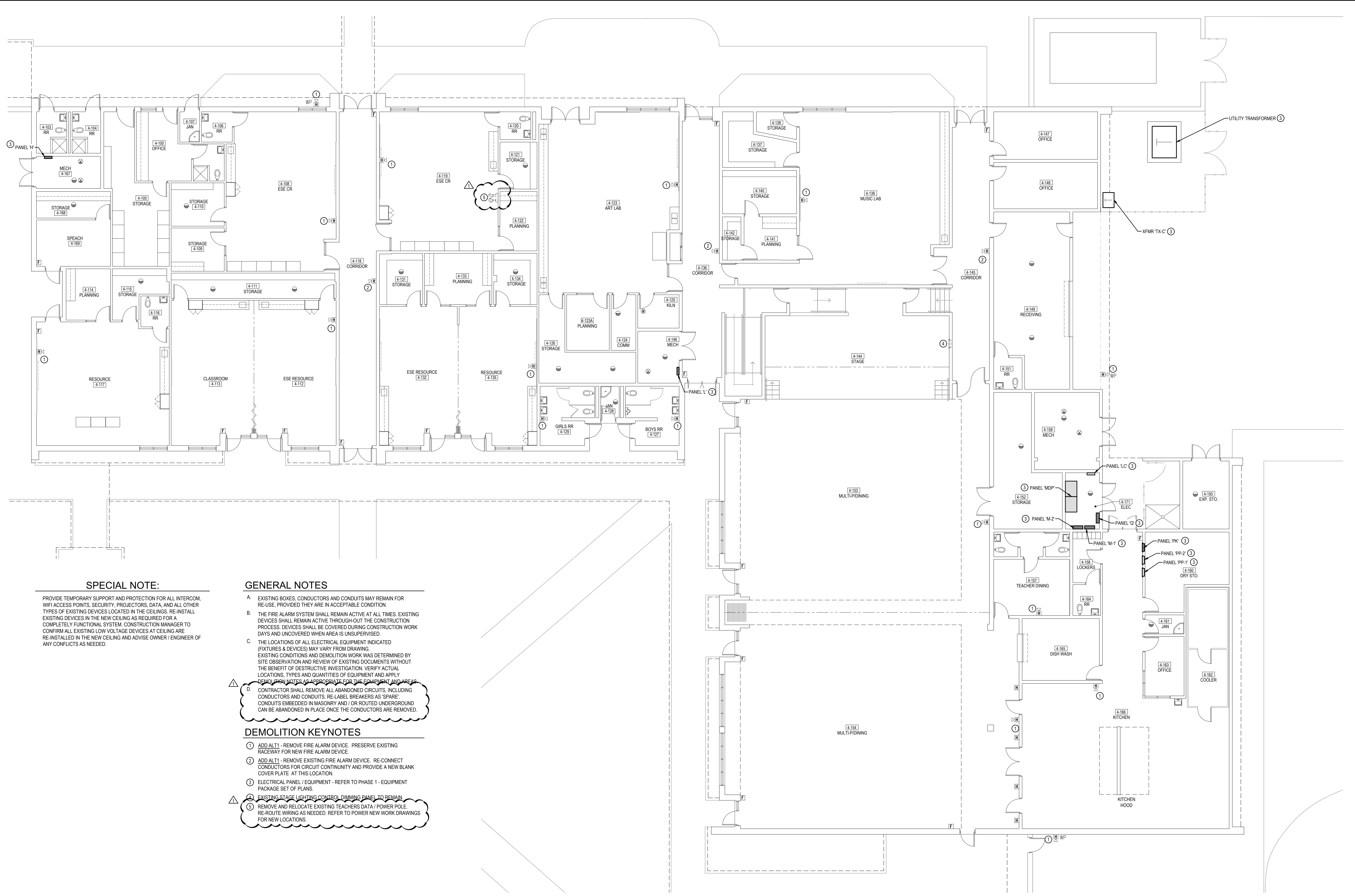
PROJECT NUMBERS Architect No: 22045D

DELIVERABLES Schematic Design: None Design Development: 20 July 2023 Bid Documents: 17 May 2024 Permit Set: Addendum 1 21 June 2024

Architect Issued Addendum #1 to CM for Bidding 05 July 2024

SHEET TITLE BUILDING 4 - POWER & FIRE ALARM - DEMOLITION

SHEET NUMBER E104



SPECIAL NOTE:

PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILINGS. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

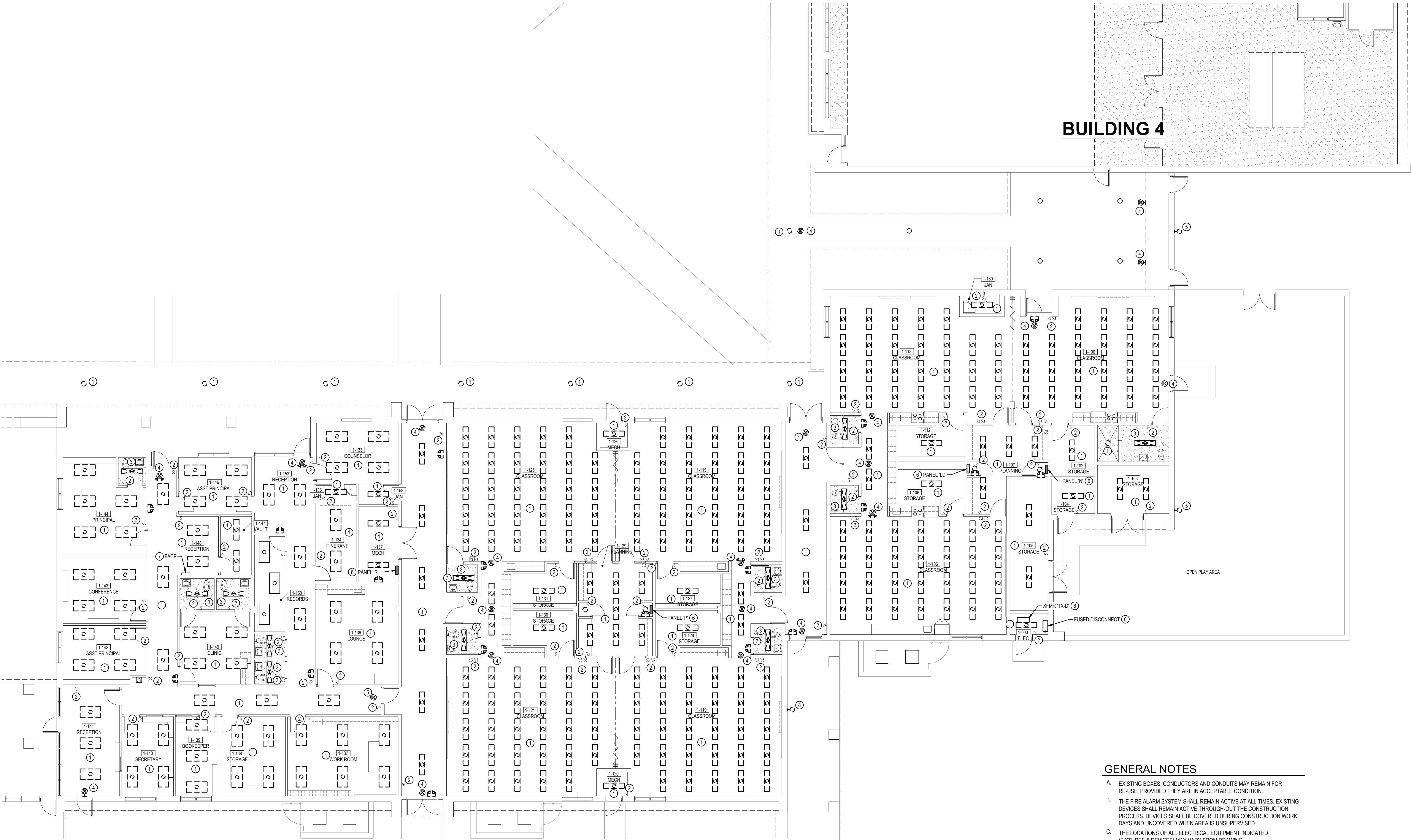
GENERAL NOTES

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B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGH-OUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
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D. CONTRACTOR SHALL REMOVE ALL ABANDONED CIRCUITS, INCLUDING CONDUCTORS AND CONDUITS. RE-LABEL BREAKERS AS SPARE. CONDUITS EMBEDDED IN MASONRY AND / OR ROUTED UNDERGROUND CAN BE ABANDONED IN PLACE ONCE THE CONDUCTORS ARE REMOVED.

DEMOLITION KEYNOTES

- 1. ADD ALT1 - REMOVE FIRE ALARM DEVICE. PRESERVE EXISTING RACEWAY FOR NEW FIRE ALARM DEVICE.
2. ADD ALT1 - REMOVE EXISTING FIRE ALARM DEVICE. RE-CONNECT CONDUCTORS FOR CIRCUIT CONTINUITY AND PROVIDE A NEW BLANK COVER PLATE AT THIS LOCATION.
3. ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
4. EXISTING STAGE LIGHTING CONTROL DIMMING PANEL TO REMAIN.
5. REMOVE AND RELOCATE EXISTING TEACHERS DATA / POWER POLE. RE-ROUTE WIRING AS NEEDED. REFER TO POWER NEW WORK DRAWINGS FOR NEW LOCATIONS.

BUILDING 4 - POWER & FIRE ALARM - DEMOLITION 1/8" = 1'-0"



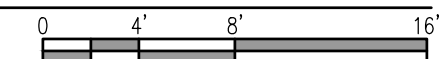
BUILDING 4

SPECIAL NOTE:
PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILINGS. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

- GENERAL NOTES**
- A. EXISTING BOXES, CONDUCTORS AND CONDUITS MAY REMAIN FOR RE-USE, PROVIDED THEY ARE IN ACCEPTABLE CONDITION.
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 - D. CONTRACTOR SHALL REMOVE ALL ABANDONED CIRCUITS, INCLUDING CONDUCTORS AND CONDUITS. RE-LABEL BREAKERS AS 'SPARE'. CONDUITS EMBEDDED IN MASONRY AND / OR ROUTED UNDERGROUND CAN BE ABANDONED IN PLACE ONCE THE CONDUCTORS ARE REMOVED.

- DEMOLITION KEYNOTES**
- ① REMOVE EXISTING LIGHT FIXTURE(S) FOR THIS ROOM / AREA. PRESERVE RACEWAY AND PREPARE CIRCUIT FOR CONNECTION TO NEW LIGHT FIXTURE.
 - ② REMOVE EXISTING SWITCH AND CONDUCTORS AS NEEDED. PRESERVE RACEWAY AND PREPARE FOR RE-USE.
 - ③ REMOVE LIGHT FIXTURE INTERNAL HARDWARE. PRESERVE FIXTURE HOUSING AS NEEDED FOR NEW RETRO-FIT LED LIGHT FIXTURE.
 - ④ REMOVE EXISTING EXIT SIGN.
 - ⑤ REMOVE AND REPLACE EXISTING BUILDING EXTERIOR LIGHT FIXTURES AS INDICATED.
 - ⑥ ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
 - ⑦ ADD ALL 1 - EXISTING FIRE ALARM CONTROL PANEL TO BE REMOVED. REFER TO FIRE ALARM DEMOLITION PLAN.
 - ⑧ REMOVE EXISTING LIGHT FIXTURE AND INSTALL COVERPLATE ON UNUSED BOX.

BUILDING 1 - LIGHTING DEMOLITION
1/8" = 1'-0"



GENERAL NOTES

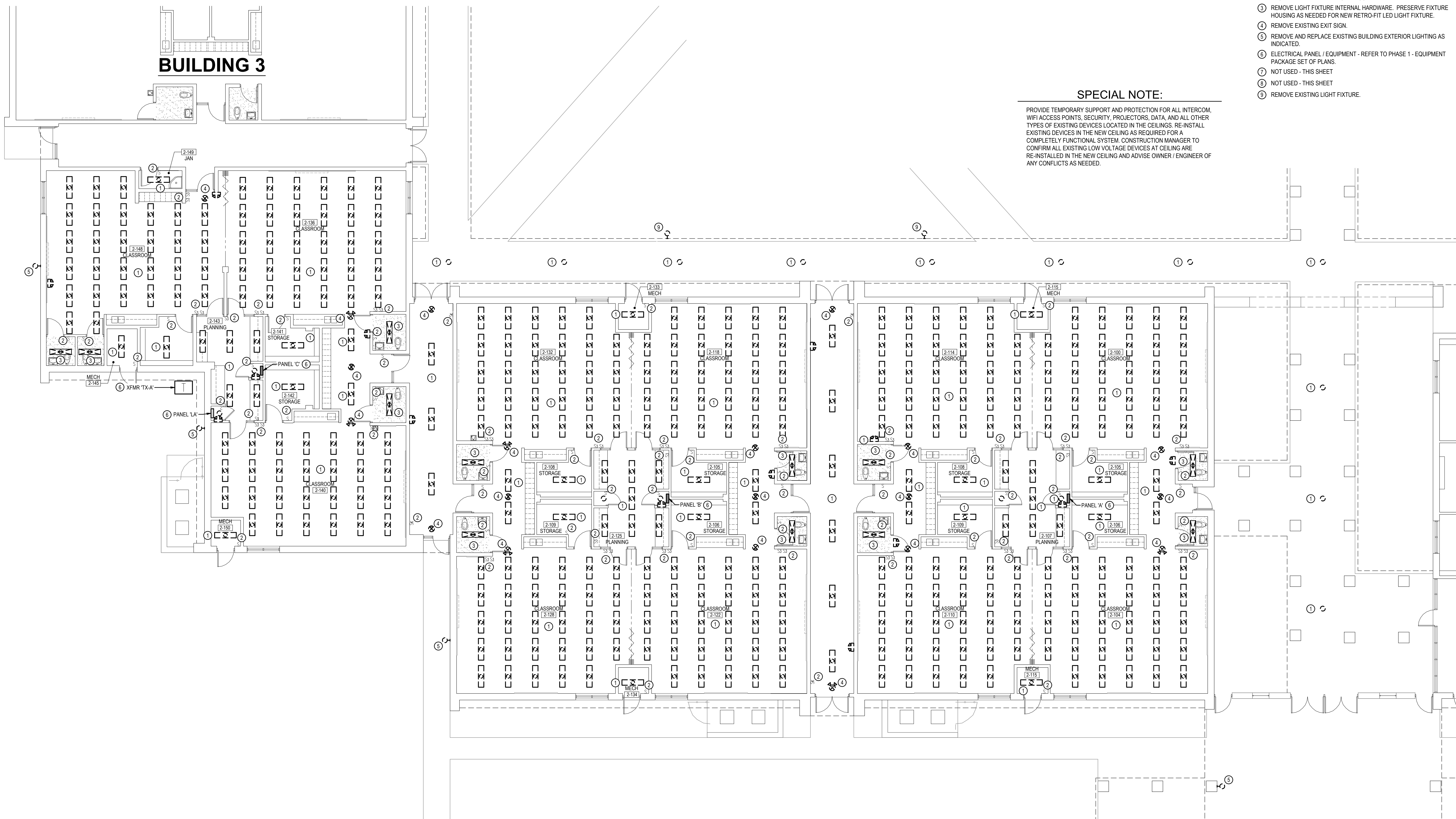
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- B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGH-OUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
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DEMOLITION KEYNOTES

- ① REMOVE EXISTING LIGHT FIXTURE(S) FOR THIS ROOM / AREA. PRESERVE RACEWAY AND PREPARE CIRCUIT FOR CONNECTION TO NEW LIGHT FIXTURE.
- ② REMOVE EXISTING SWITCH AND CONDUCTORS AS NEEDED. PRESERVE RACEWAY AND PREPARE FOR RE-USE.
- ③ REMOVE LIGHT FIXTURE INTERNAL HARDWARE. PRESERVE FIXTURE HOUSING AS NEEDED FOR NEW RETRO-FIT LED LIGHT FIXTURE.
- ④ REMOVE EXISTING EXIT SIGN.
- ⑤ REMOVE AND REPLACE EXISTING BUILDING EXTERIOR LIGHTING AS INDICATED.
- ⑥ ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
- ⑦ NOT USED - THIS SHEET
- ⑧ NOT USED - THIS SHEET
- ⑨ REMOVE EXISTING LIGHT FIXTURE.

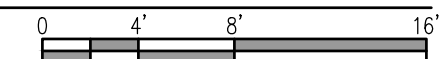
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BUILDING 3

BUILDING 2 - LIGHTING DEMOLITION
1/8" = 1'-0"



PROJECT
VOLUME 3

OWNER
TOMMY SMITH ELEMENTARY SCHOOL
BAY DISTRICT SCHOOLS
ARCHITECT'S SEAL

5044 TOMMY SMITH DR.
PANAMA CITY, FL 32404

PROJECT TEAM
ARCHITECTURAL
Caldwell Associates
PLUMBING
Watford Engineering
MECHANICAL
Watford Engineering
ELECTRICAL
HG Engineers

PROJECT NUMBERS
Architect No: 22045D

DELIVERABLES
Schematic Design: None
Design Development: 20 July 2023
Bid Documents: 17 May 2024
Permit Set:
Addendum 1 21 June 2024

Architect Issued Addendum #1 to CM for Bidding 05 July 2024

SHEET TITLE
BUILDING 2 - LIGHTING DEMOLITION

SHEET NUMBER
E202

HG Engineers
621 N. Tropic Parkway, Unit C
Panama City, Florida 32404
E-mail: office@hgengineers.com
Ph: 904.243.6723
Christopher A. Garcia, P.E., PE No. 53024
Thomas A. Alexander, P.E., PE No. 73172
David J. White, P.E., PE No. 73790
Caleb W. Leonard, P.E., PE No. 91782

23007
Job No.

PROJECT
VOLUME 3

TOMMY SMITH ELEMENTARY SCHOOL
RENOVATIONS
OWNER
BAY DISTRICT SCHOOLS
ARCHITECT'S SEAL

5044 TOMMY SMITH DR.
PANAMA CITY, FL 32404

PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

ELECTRICAL
HG Engineers

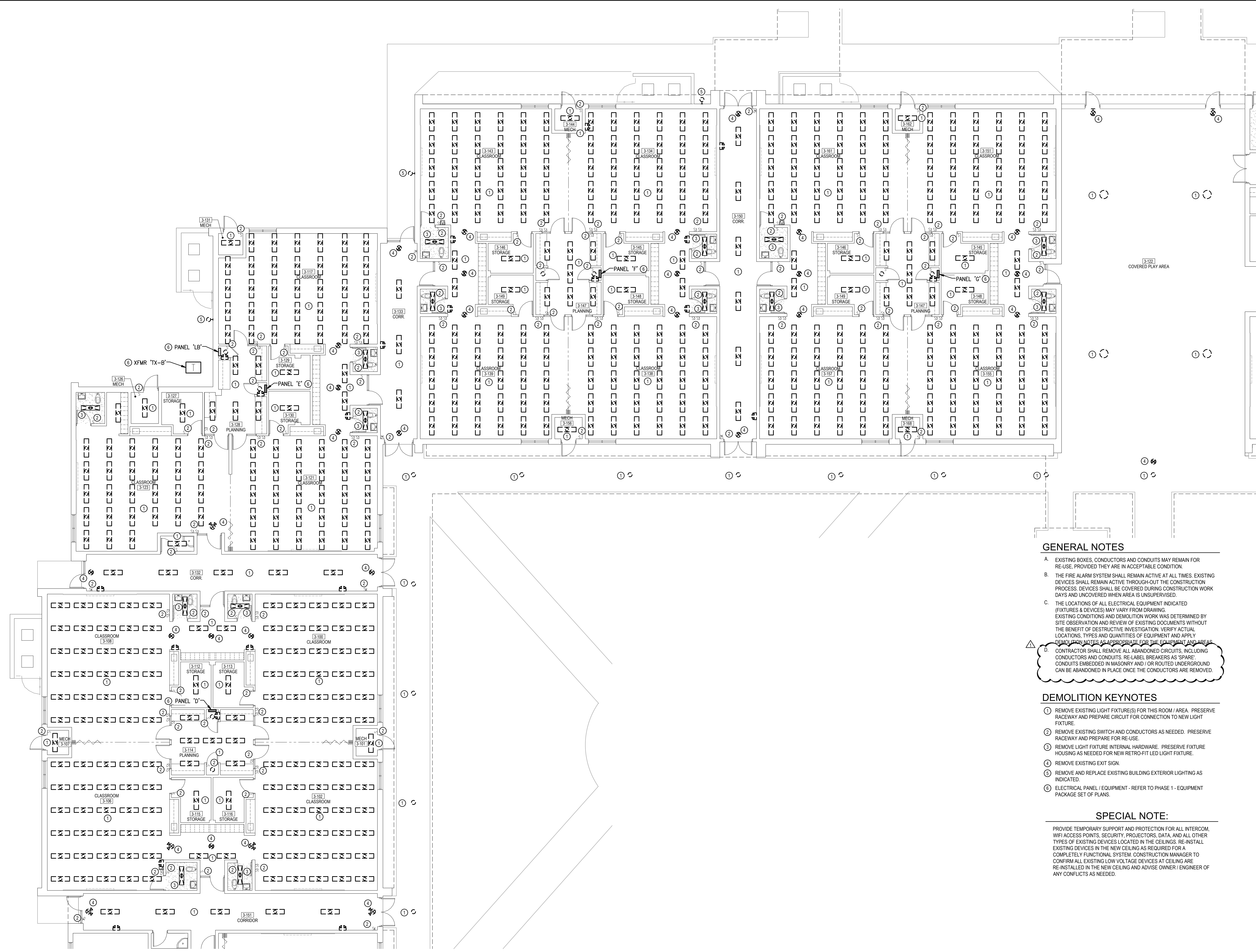
PROJECT NUMBERS
Architect No: 22045D

DELIVERABLES

Schematic Design:	None
Design Development:	20 July 2023
Bid Documents:	17 May 2024
Permit Set:	
Architect Issued Addendum #1 to CM for Bidding:	21 June 2024
	05 July 2024

SHEET TITLE
BUILDING 3 - LIGHTING DEMOLITION

SHEET NUMBER
E203



GENERAL NOTES

- A. EXISTING BOXES, CONDUCTORS AND CONDUITS MAY REMAIN FOR RE-USE, PROVIDED THEY ARE IN ACCEPTABLE CONDITION.
- B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGHOUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
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- D. CONTRACTOR SHALL REMOVE ALL ABANDONED CIRCUITS, INCLUDING CONDUCTORS AND CONDUITS. RE-LABEL BREAKERS AS SPARE. CONDUITS EMBEDDED IN MASONRY AND/OR ROUTED UNDERGROUND CAN BE ABANDONED IN PLACE ONCE THE CONDUCTORS ARE REMOVED.

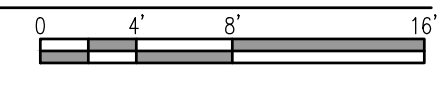
DEMOLITION KEYNOTES

- 1 REMOVE EXISTING LIGHT FIXTURE(S) FOR THIS ROOM / AREA. PRESERVE RACEWAY AND PREPARE CIRCUIT FOR CONNECTION TO NEW LIGHT FIXTURE.
- 2 REMOVE EXISTING SWITCH AND CONDUCTORS AS NEEDED. PRESERVE RACEWAY AND PREPARE FOR RE-USE.
- 3 REMOVE LIGHT FIXTURE INTERNAL HARDWARE. PRESERVE FIXTURE HOUSING AS NEEDED FOR NEW RETRO-FIT LED LIGHT FIXTURE.
- 4 REMOVE EXISTING EXIT SIGN.
- 5 REMOVE AND REPLACE EXISTING BUILDING EXTERIOR LIGHTING AS INDICATED.
- 6 ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.

SPECIAL NOTE:

PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILINGS. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

BUILDING 3 - LIGHTING DEMOLITION
1/8" = 1'-0"



HG Engineers
821 N. Tropic Parkway, Unit C
Panama City, Florida 32404
E-mail: office@hgengineers.com
PH: 850.263.0723
FL Authorization No. 0000680
Christopher A. Garcia, P.E., PE No. 53024
Thomas A. Alexander, P.E., PE No. 73172
David J. White, P.E., PE No. 73790
Caleb W. Leonard, P.E., PE No. 91782

23007
Job No.

PROJECT
VOLUME 3

OWNER
TOMMY SMITH ELEMENTARY SCHOOL
TOMMY SMITH DISTRICT SCHOOLS
ARCHITECT'S SEAL
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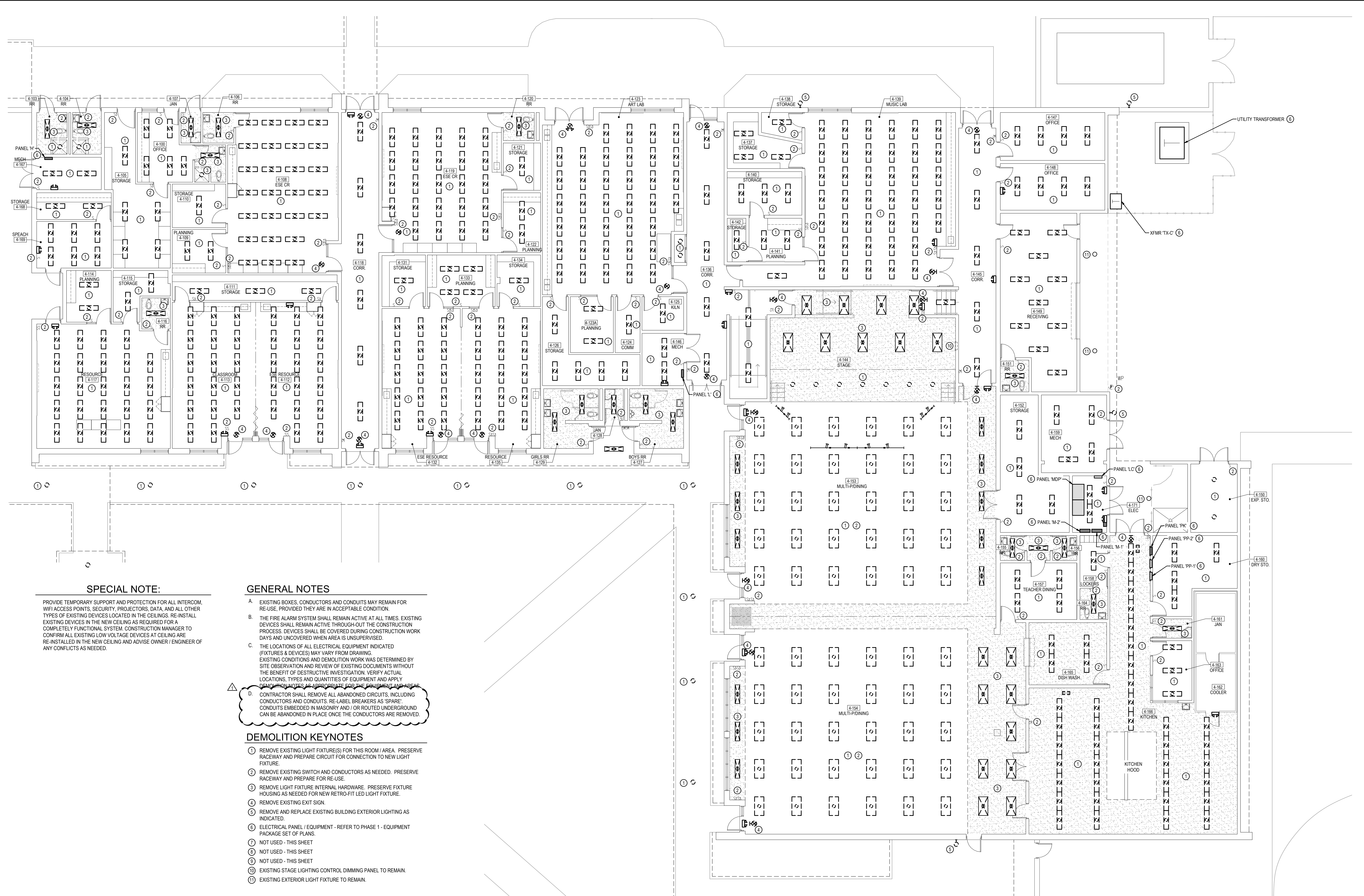
PROJECT TEAM
ARCHITECTURAL
Caldwell Associates
PLUMBING
Watford Engineering
MECHANICAL
Watford Engineering
ELECTRICAL
HG Engineers

PROJECT NUMBERS
Architect No: 22045D

DELIVERABLES
Schematic Design: None
Design Development: 20 July 2023
Bid Documents: 17 May 2024
Permit Set:
Addendum 1: 21 June 2024
Architect Issued Addendum #1 to CM for Bidding: 05 July 2024

SHEET TITLE
BUILDING 4 - LIGHTING DEMOLITION

SHEET NUMBER
E204



SPECIAL NOTE:

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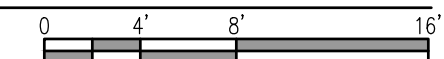
GENERAL NOTES

- A. EXISTING BOXES, CONDUCTORS AND CONDUITS MAY REMAIN FOR RE-USE, PROVIDED THEY ARE IN ACCEPTABLE CONDITION.
- B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGHOUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
- C. THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT INDICATED (FIXTURES & DEVICES) MAY VARY FROM DRAWING. EXISTING CONDITIONS AND DEMOLITION WORK WAS DETERMINED BY SITE OBSERVATION AND REVIEW OF EXISTING DOCUMENTS WITHOUT THE BENEFIT OF DESTRUCTIVE INVESTIGATION. VERIFY ACTUAL LOCATIONS, TYPES AND QUANTITIES OF EQUIPMENT AND APPLY DEMOLITION NOTES AS APPROPRIATE FOR THE PERMITTING AND REUSE.
- D. CONTRACTOR SHALL REMOVE ALL ABANDONED CIRCUITS, INCLUDING CONDUCTORS AND CONDUITS. RE-LABEL BREAKERS AS SPARE. CONDUITS EMBEDDED IN MASONRY AND / OR ROUTED UNDERGROUND CAN BE ABANDONED IN PLACE ONCE THE CONDUCTORS ARE REMOVED.

DEMOLITION KEYNOTES

- ① REMOVE EXISTING LIGHT FIXTURE(S) FOR THIS ROOM / AREA. PRESERVE RACEWAY AND PREPARE CIRCUIT FOR CONNECTION TO NEW LIGHT FIXTURE.
- ② REMOVE EXISTING SWITCH AND CONDUCTORS AS NEEDED. PRESERVE RACEWAY AND PREPARE FOR RE-USE.
- ③ REMOVE LIGHT FIXTURE INTERNAL HARDWARE. PRESERVE FIXTURE HOUSING AS NEEDED FOR NEW RETRO-FIT LED LIGHT FIXTURE.
- ④ REMOVE EXISTING EXIT SIGN.
- ⑤ REMOVE AND REPLACE EXISTING BUILDING EXTERIOR LIGHTING AS INDICATED.
- ⑥ ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
- ⑦ NOT USED - THIS SHEET
- ⑧ NOT USED - THIS SHEET
- ⑨ NOT USED - THIS SHEET
- ⑩ EXISTING STAGE LIGHTING CONTROL DIMMING PANEL TO REMAIN.
- ⑪ EXISTING EXTERIOR LIGHT FIXTURE TO REMAIN.

BUILDING 4 - LIGHTING DEMOLITION
1/8" = 1'-0"



SPECIAL NOTE:

PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILING. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

GENERAL NOTES

- A. EXISTING BOXES, CONDUCTORS AND CONDUITS MAY REMAIN FOR RE-USE, PROVIDED THEY ARE IN ACCEPTABLE CONDITION.
- B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGH-OUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
- C. THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT INDICATED (FIXTURES & DEVICES) MAY VARY FROM DRAWING. EXISTING CONDITIONS AND DEMOLITION WORK WAS DETERMINED BY SITE OBSERVATION AND REVIEW OF EXISTING DOCUMENTS WITHOUT THE BENEFIT OF DESTRUCTIVE INVESTIGATION. VERIFY ACTUAL LOCATIONS, TYPES AND QUANTITIES OF EQUIPMENT AND APPLY DEMOLITION KEYNOTES TO ALL EXISTING ELECTRICAL DEVICES.
- D. CONTRACTOR SHALL REMOVE ALL ABANDONED CIRCUITS, INCLUDING CONDUCTORS AND CONDUITS. RE-LABEL BREAKERS AS 'SPARE'. CONDUITS EMBEDDED IN MASONRY AND / OR ROUTED UNDERGROUND CAN BE ABANDONED IN PLACE ONCE THE CONDUCTORS ARE REMOVED.

DEMOLITION KEYNOTES

- 1 REMOVE EXISTING LIGHT FIXTURE(S) FOR THIS ROOM / AREA. PRESERVE RACEWAY AND PREPARE CIRCUIT FOR CONNECTION TO NEW LIGHT FIXTURE.
- 2 REMOVE EXISTING SWITCH AND CONDUCTORS AS NEEDED. PRESERVE RACEWAY AND PREPARE FOR RE-USE.
- 3 REMOVE LIGHT FIXTURE INTERNAL HARDWARE. PRESERVE FIXTURE HOUSING AS NEEDED FOR NEW RETRO-FIT LED LIGHT FIXTURE.
- 4 REMOVE EXISTING EXIT SIGN.
- 5 REMOVE AND REPLACE EXISTING BUILDING EXTERIOR LIGHTING AS INDICATED.
- 6 ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
- 7 NOT USED - THIS SHEET
- 8 REMOVE EXISTING LIGHT FIXTURE AND INSTALL COVERPLATE ON UNUSED BOX.

PROJECT
VOLUME 3

ELEMENTARY SCHOOL
TOMMY SMITH RENOVATIONS

5044 TOMMY SMITH DR.
PANAMA CITY, FL 32404

OWNER
BAY DISTRICT SCHOOLS
ARCHITECT'S SEAL

PROJECT TEAM
ARCHITECTURAL
Caldwell Associates
PLUMBING
Watford Engineering
MECHANICAL
Watford Engineering
ELECTRICAL
HG Engineers

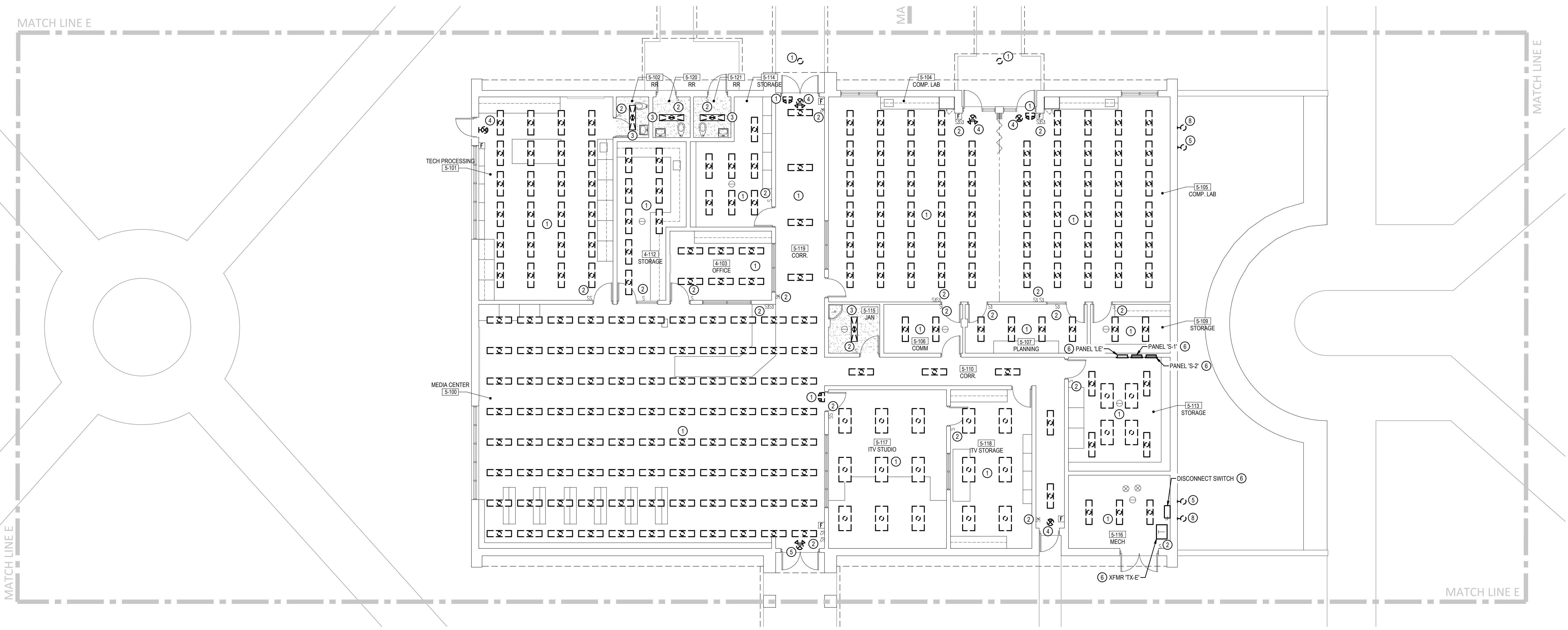
PROJECT NUMBERS
Architect No: 22045D

DELIVERABLES
Schematic Design: None
Design Development: 20 July 2023
Bid Documents: 17 May 2024
Permit Set:

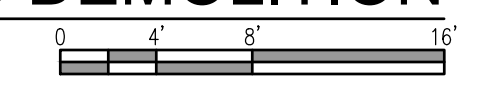
Architect Issued Addendum #1 to CM for Bidding 05 July 2024

SHEET TITLE
BUILDING 5 - LIGHTING DEMOLITION

SHEET NUMBER
E205



BUILDING 5 - LIGHTING DEMOLITION
1/8" = 1'-0"



GENERAL NOTES

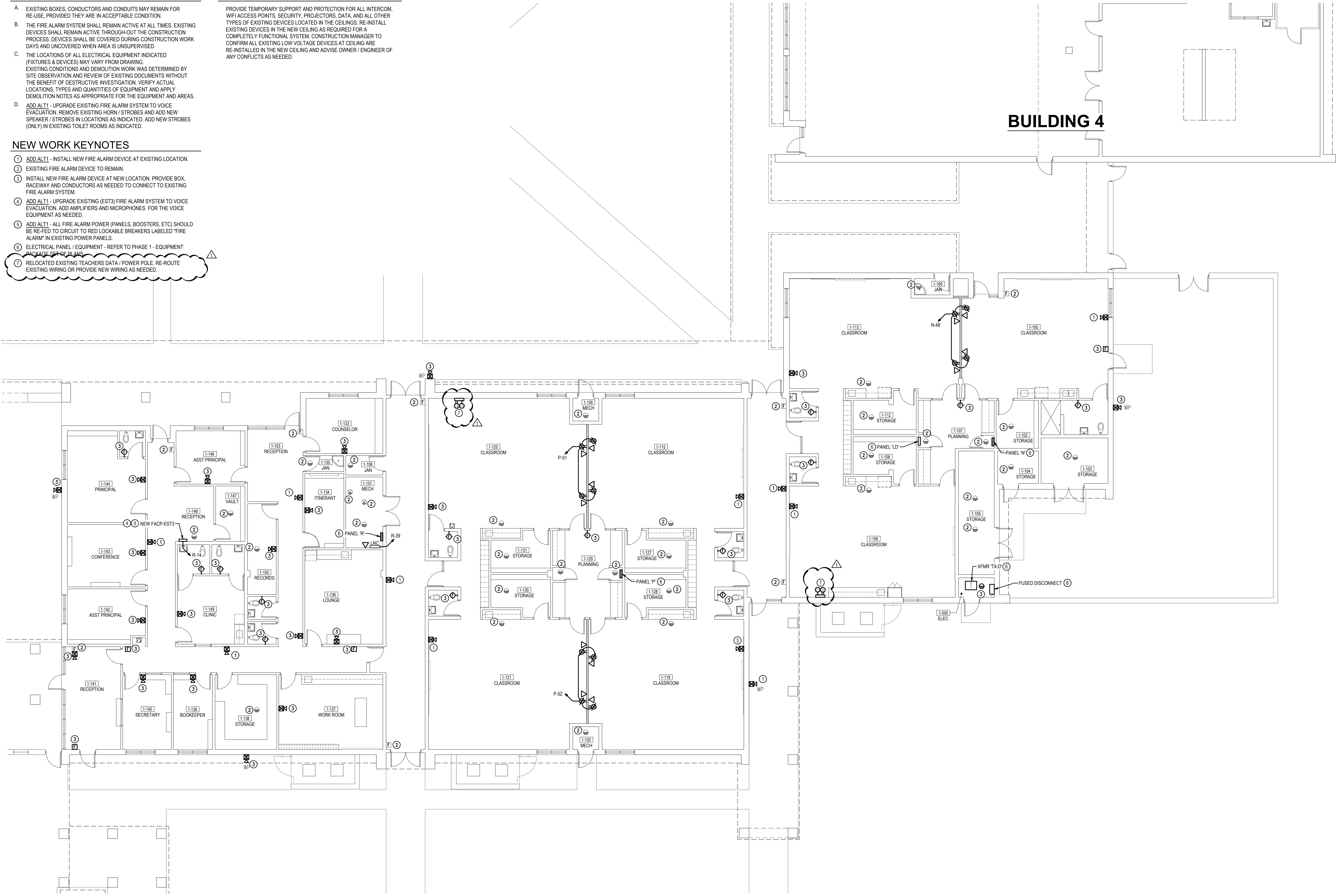
- A. EXISTING BOXES, CONDUCTORS AND CONDUITS MAY REMAIN FOR RE-USE, PROVIDED THEY ARE IN ACCEPTABLE CONDITION.
- B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGH-OUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
- C. THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT INDICATED (FIXTURES & DEVICES) MAY VARY FROM DRAWINGS. EXISTING CONDITIONS AND DEMOLITION WORK WAS DETERMINED BY SITE OBSERVATION AND REVIEW OF EXISTING DOCUMENTS WITHOUT THE BENEFIT OF DESTRUCTIVE INVESTIGATION. VERIFY ACTUAL LOCATIONS, TYPES AND QUANTITIES OF EQUIPMENT AND APPLY DEMOLITION NOTES AS APPROPRIATE FOR THE EQUIPMENT AND AREAS.
- D. ADD AL11 - UPGRADE EXISTING FIRE ALARM SYSTEM TO VOICE EVACUATION. REMOVE EXISTING HORN / STROBES AND ADD NEW SPEAKER / STROBES IN LOCATIONS AS INDICATED. ADD NEW STROBES (ONLY) IN EXISTING TOILET ROOMS AS INDICATED.

SPECIAL NOTE:

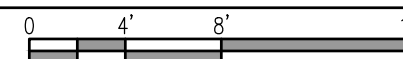
PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILINGS. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

NEW WORK KEYNOTES

- 1 ADD AL11 - INSTALL NEW FIRE ALARM DEVICE AT EXISTING LOCATION.
- 2 EXISTING FIRE ALARM DEVICE TO REMAIN.
- 3 INSTALL NEW FIRE ALARM DEVICE AT NEW LOCATION. PROVIDE BOX, RACEWAY AND CONDUCTORS AS NEEDED TO CONNECT TO EXISTING FIRE ALARM SYSTEM.
- 4 ADD AL11 - UPGRADE EXISTING (EST3) FIRE ALARM SYSTEM TO VOICE EVACUATION. ADD AMPLIFIERS AND MICROPHONES FOR THE VOICE EQUIPMENT AS NEEDED.
- 5 ADD AL11 - ALL FIRE ALARM POWER (PANELS, BOOSTERS, ETC) SHOULD BE RE-TIED TO CIRCUIT TO RED LOCKABLE BREAKERS LABELED "FIRE ALARM" IN EXISTING POWER PANELS.
- 6 ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
- 7 RELOCATED EXISTING TEACHERS DATA / POWER POLE. RE-ROUTE EXISTING WIRING OR PROVIDE NEW WIRING AS NEEDED.



BUILDING 1 - POWER & FIRE ALARM - NEW WORK
1/8" = 1'-0"



GENERAL NOTES

- A. EXISTING BOXES, CONDUCTORS AND CONDUITS MAY REMAIN FOR RE-USE, PROVIDED THEY ARE IN ACCEPTABLE CONDITION.
- B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGH-OUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
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- D. ADD AL1 - UPGRADE EXISTING FIRE ALARM SYSTEM TO VOICE EVACUATION. REMOVE EXISTING HORN / STROBES AND ADD NEW SPEAKER / STROBES IN LOCATIONS AS INDICATED. ADD NEW STROBES (ONLY) IN EXISTING TOILET ROOMS AS INDICATED.

NEW WORK KEYNOTES

- ① ADD AL1 - INSTALL NEW FIRE ALARM DEVICE AT EXISTING LOCATION.
- ② EXISTING FIRE ALARM DEVICE TO REMAIN.
- ③ INSTALL NEW FIRE ALARM DEVICE AT NEW LOCATION. PROVIDE BOX, RACEWAY AND CONDUCTORS AS NEEDED TO CONNECT TO EXISTING FIRE ALARM SYSTEM.
- ④ ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
- ⑤ RELOCATED EXISTING TEACHERS DATA / POWER POLE. RE-ROUTE EXISTING WIRING OR PROVIDE NEW WIRING AS NEEDED.

PROJECT VOLUME 3

TOMMY SMITH ELEMENTARY SCHOOL RENOVATIONS

OWNER BAY DISTRICT SCHOOLS ARCHITECT'S SEAL

PROJECT TEAM ARCHITECTURAL Caldwell Associates PLUMBING Watford Engineering MECHANICAL Watford Engineering ELECTRICAL HG Engineers

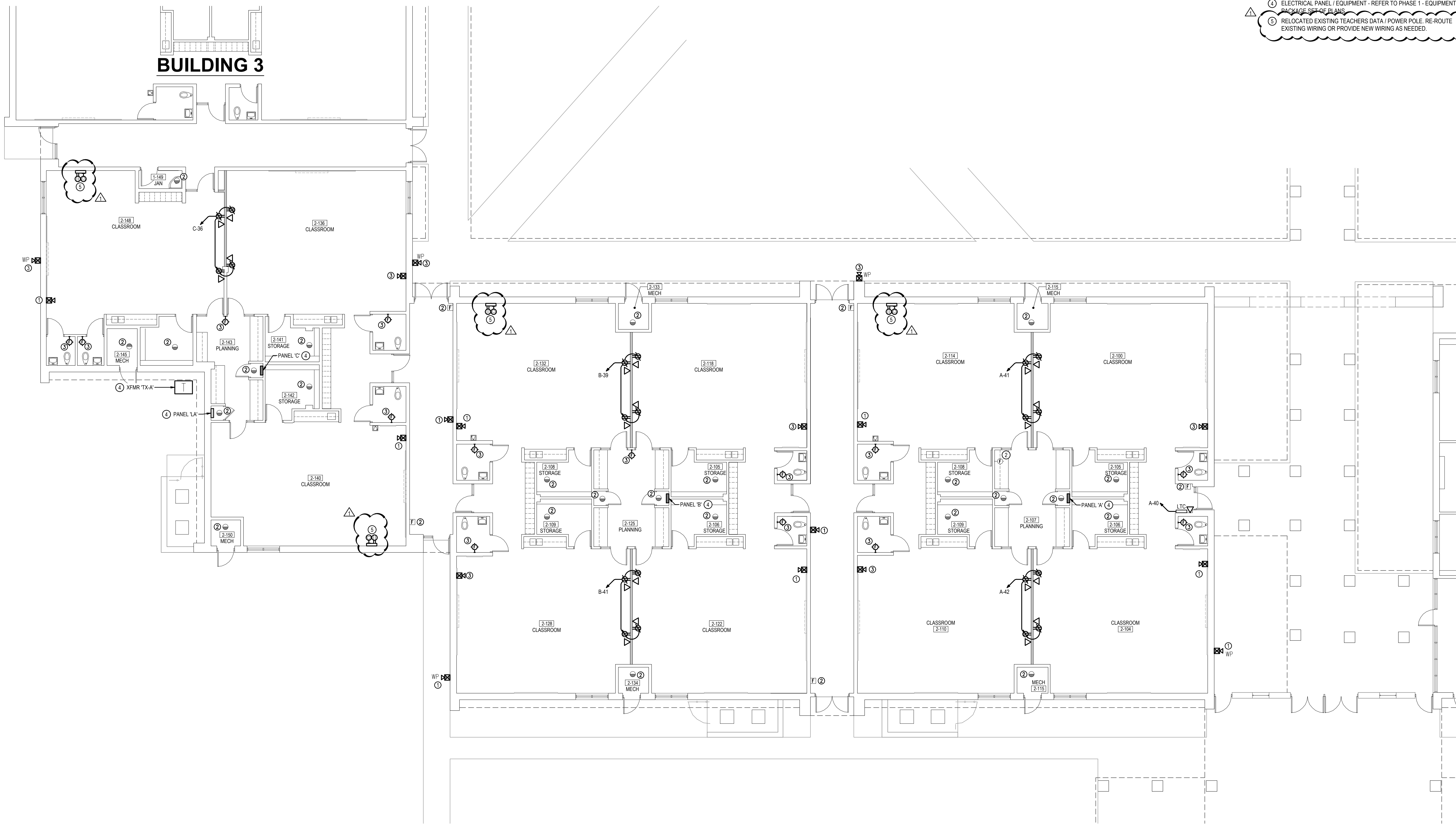
PROJECT NUMBERS Architect No: 22045D

DELIVERABLES Schematic Design: None Design Development: 20 July 2023 Bid Documents: 17 May 2024 Permit Set: Addendum 1 21 June 2024

Architect Issued Addendum #1 to CM for Bidding 05 July 2024

SHEET TITLE BUILDING 2 - POWER & FIRE ALARM - NEW WORK

SHEET NUMBER E302



PROJECT
VOLUME 3

OWNER
**TOMMY SMITH ELEMENTARY SCHOOL
RENOVATIONS**
BAY DISTRICT SCHOOLS

ARCHITECT'S SEAL

PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

ELECTRICAL
HG Engineers

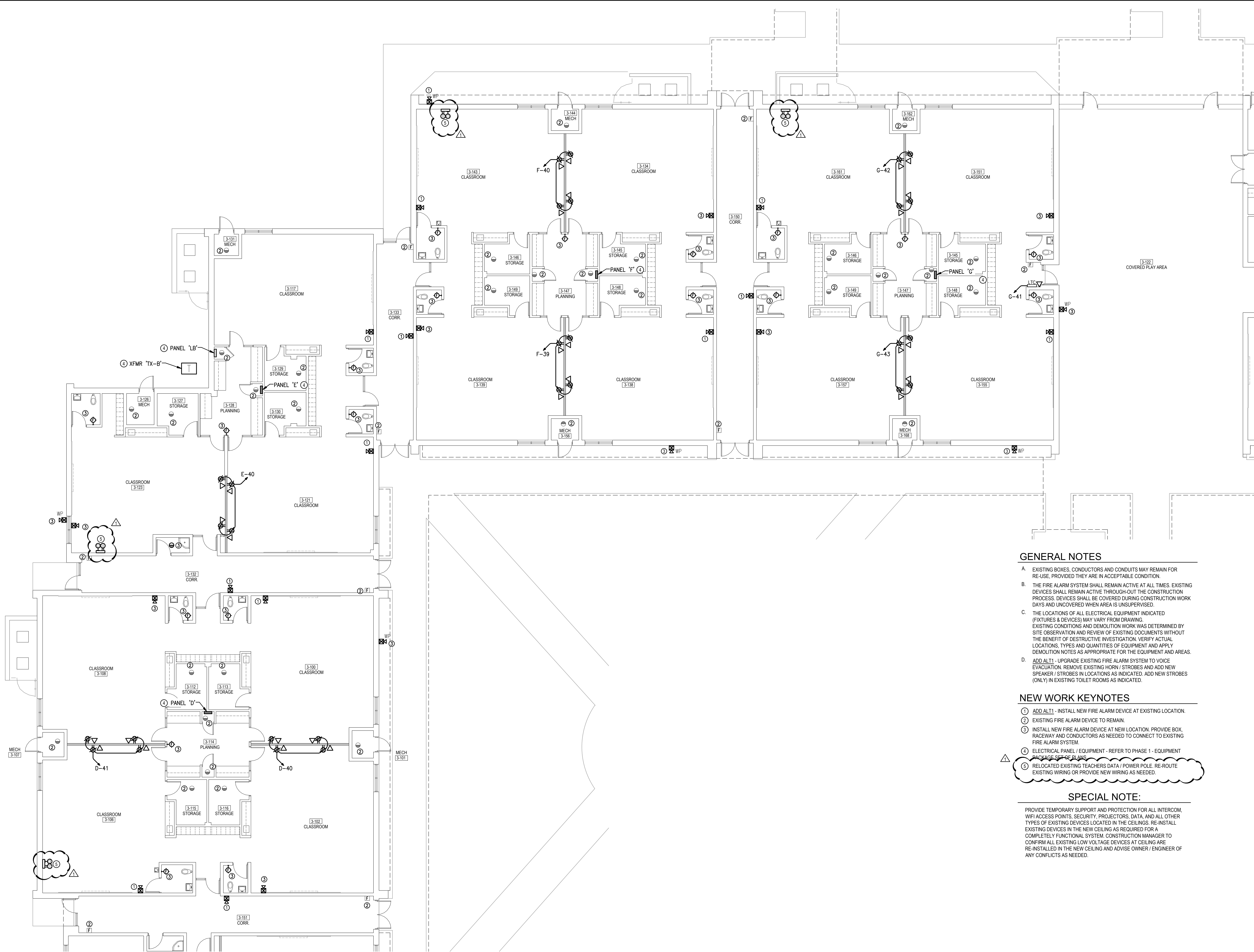
PROJECT NUMBERS
Architect No: 22045D

DELIVERABLES
Schematic Design: None
Design Development: 20 July 2023
Bid Documents: 17 May 2024
Permit Set:
Addendum 1: 21 June 2024

Architect Issued Addendum #1
to CM for Bidding 05 July 2024

SHEET TITLE
BUILDING 3 - POWER & FIRE ALARM - NEW WORK

SHEET NUMBER
E303



GENERAL NOTES

- A. EXISTING BOXES, CONDUCTORS AND CONDUITS MAY REMAIN FOR RE-USE, PROVIDED THEY ARE IN ACCEPTABLE CONDITION.
- B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGH-OUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
- C. THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT INDICATED (FIXTURES & DEVICES) MAY VARY FROM DRAWING. EXISTING CONDITIONS AND DEMOLITION WORK WAS DETERMINED BY SITE OBSERVATION AND REVIEW OF EXISTING DOCUMENTS WITHOUT THE BENEFIT OF DESTRUCTIVE INVESTIGATION. VERIFY ACTUAL LOCATIONS, TYPES AND QUANTITIES OF EQUIPMENT AND APPLY DEMOLITION NOTES AS APPROPRIATE FOR THE EQUIPMENT AND AREAS.
- D. ADD ALTI - UPGRADE EXISTING FIRE ALARM SYSTEM TO VOICE EVACUATION. REMOVE EXISTING HORN / STROBES AND ADD NEW SPEAKER / STROBES IN LOCATIONS AS INDICATED. ADD NEW STROBES (ONLY) IN EXISTING TOILET ROOMS AS INDICATED.


NEW WORK KEYNOTES

- ① ADD ALTI - INSTALL NEW FIRE ALARM DEVICE AT EXISTING LOCATION.
- ② EXISTING FIRE ALARM DEVICE TO REMAIN.
- ③ INSTALL NEW FIRE ALARM DEVICE AT NEW LOCATION. PROVIDE BOX, RACEWAY AND CONDUCTORS AS NEEDED TO CONNECT TO EXISTING FIRE ALARM SYSTEM.
- ④ ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SPEC PLANS.
- ⑤ RELOCATED EXISTING TEACHERS DATA / POWER POLE. RE-ROUTE EXISTING WIRING OR PROVIDE NEW WIRING AS NEEDED.

SPECIAL NOTE:

PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILINGS. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

BUILDING 3 - POWER & FIRE ALARM - NEW WORK
1/8" = 1'-0"


 HG Engineers
 821 N. Tropic Parkway, Unit C
 Panama City, Florida 32404
 E-mail: office@hgengineers.com
 PH: 904.263.8723
 Christopher A. Garcia, P.E., P.E. No. 53304
 Thomas A. Alexander, P.E., P.E. No. 73172
 Daniel J. White, P.E., P.E. No. 72790
 Caleb W. Leonard, P.E., P.E. No. 91782

23007
Job No.

PROJECT VOLUME 3

TOMMY SMITH ELEMENTARY SCHOOL RENOVATIONS

OWNER BAY DISTRICT SCHOOLS ARCHITECT'S SEAL

PROJECT TEAM ARCHITECTURAL Caldwell Associates

PLUMBING Watford Engineering

MECHANICAL Watford Engineering

ELECTRICAL HG Engineers

PROJECT NUMBERS Architect No: 22045D

DELIVERABLES

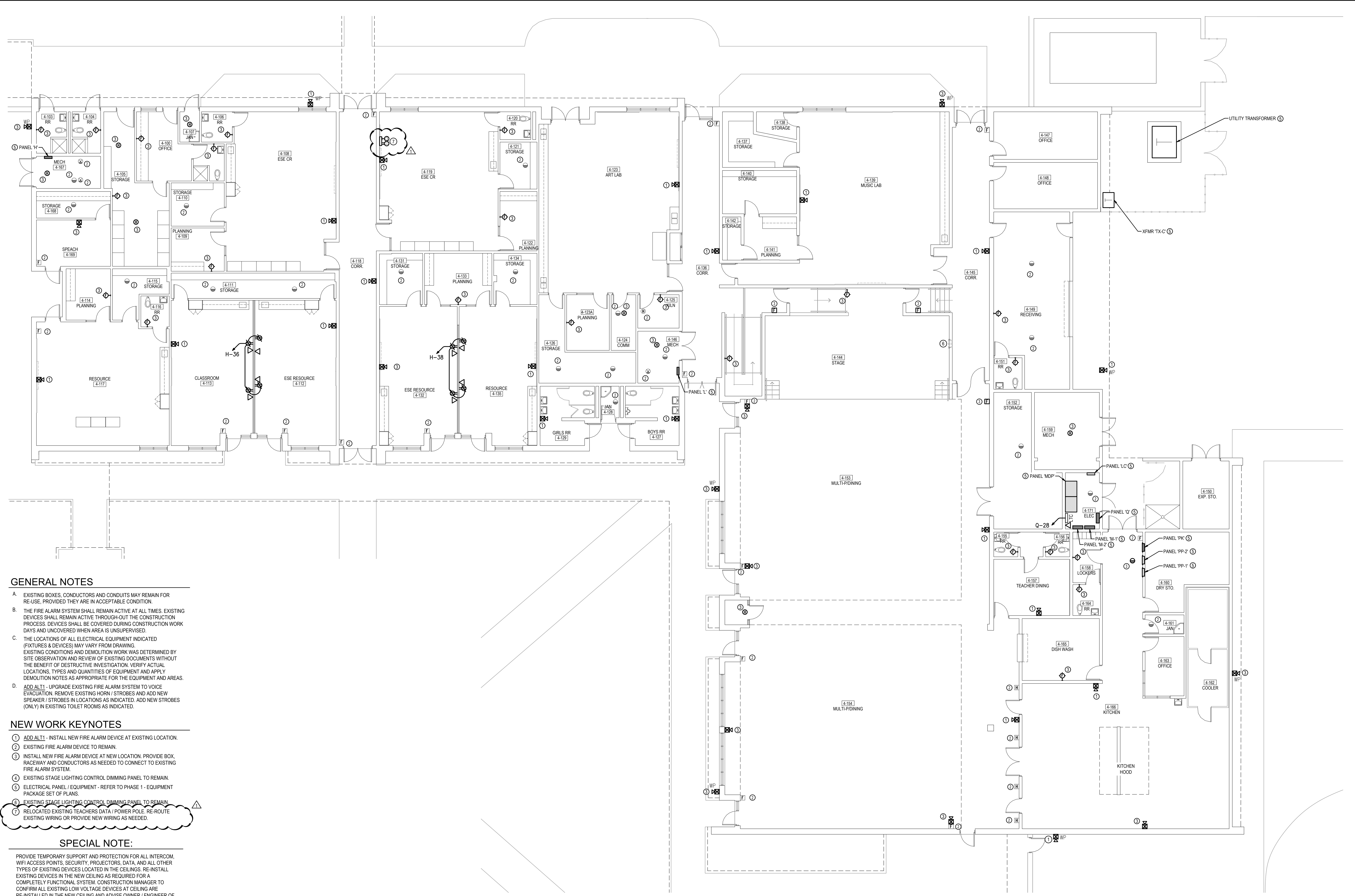
Schematic Design: None Design Development: 20 July 2023 Bid Documents: 17 May 2024 Permit Set: Addendum 1 21 June 2024

Architect Issued Addendum #1 to CM for Bidding 05 July 2024

SHEET TITLE BUILDING 4 - POWER & FIRE ALARM - NEW WORK

SHEET NUMBER

E304



GENERAL NOTES

- A. EXISTING BOXES, CONDUCTORS AND CONDUITS MAY REMAIN FOR RE-USE, PROVIDED THEY ARE IN ACCEPTABLE CONDITION.
B. THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. EXISTING DEVICES SHALL REMAIN ACTIVE THROUGH-OUT THE CONSTRUCTION PROCESS. DEVICES SHALL BE COVERED DURING CONSTRUCTION WORK DAYS AND UNCOVERED WHEN AREA IS UNSUPERVISED.
C. THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT INDICATED (FIXTURES & DEVICES) MAY VARY FROM DRAWING. EXISTING CONDITIONS AND DEMOLITION WORK WAS DETERMINED BY SITE OBSERVATION AND REVIEW OF EXISTING DOCUMENTS WITHOUT THE BENEFIT OF DESTRUCTIVE INVESTIGATION. VERIFY ACTUAL LOCATIONS, TYPES AND QUANTITIES OF EQUIPMENT AND APPLY DEMOLITION NOTES AS APPROPRIATE FOR THE EQUIPMENT AND AREAS.
D. ADD AL11 - UPGRADE EXISTING FIRE ALARM SYSTEM TO VOICE EVACUATION. REMOVE EXISTING HORN / STROBES AND ADD NEW SPEAKER / STROBES IN LOCATIONS AS INDICATED. ADD NEW STROBES (ONLY) IN EXISTING TOILET ROOMS AS INDICATED.

NEW WORK KEYNOTES

- 1 ADD AL11 - INSTALL NEW FIRE ALARM DEVICE AT EXISTING LOCATION.
2 EXISTING FIRE ALARM DEVICE TO REMAIN.
3 INSTALL NEW FIRE ALARM DEVICE AT NEW LOCATION. PROVIDE BOX, RACEWAY AND CONDUCTORS AS NEEDED TO CONNECT TO EXISTING FIRE ALARM SYSTEM.
4 EXISTING STAGE LIGHTING CONTROL DIMMING PANEL TO REMAIN.
5 ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
6 EXISTING STAGE LIGHTING CONTROL DIMMING PANEL TO REMAIN.
7 RELOCATED EXISTING TEACHERS DATA / POWER POLE. RE-ROUTE EXISTING WIRING OR PROVIDE NEW WIRING AS NEEDED.

SPECIAL NOTE:

PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILINGS. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

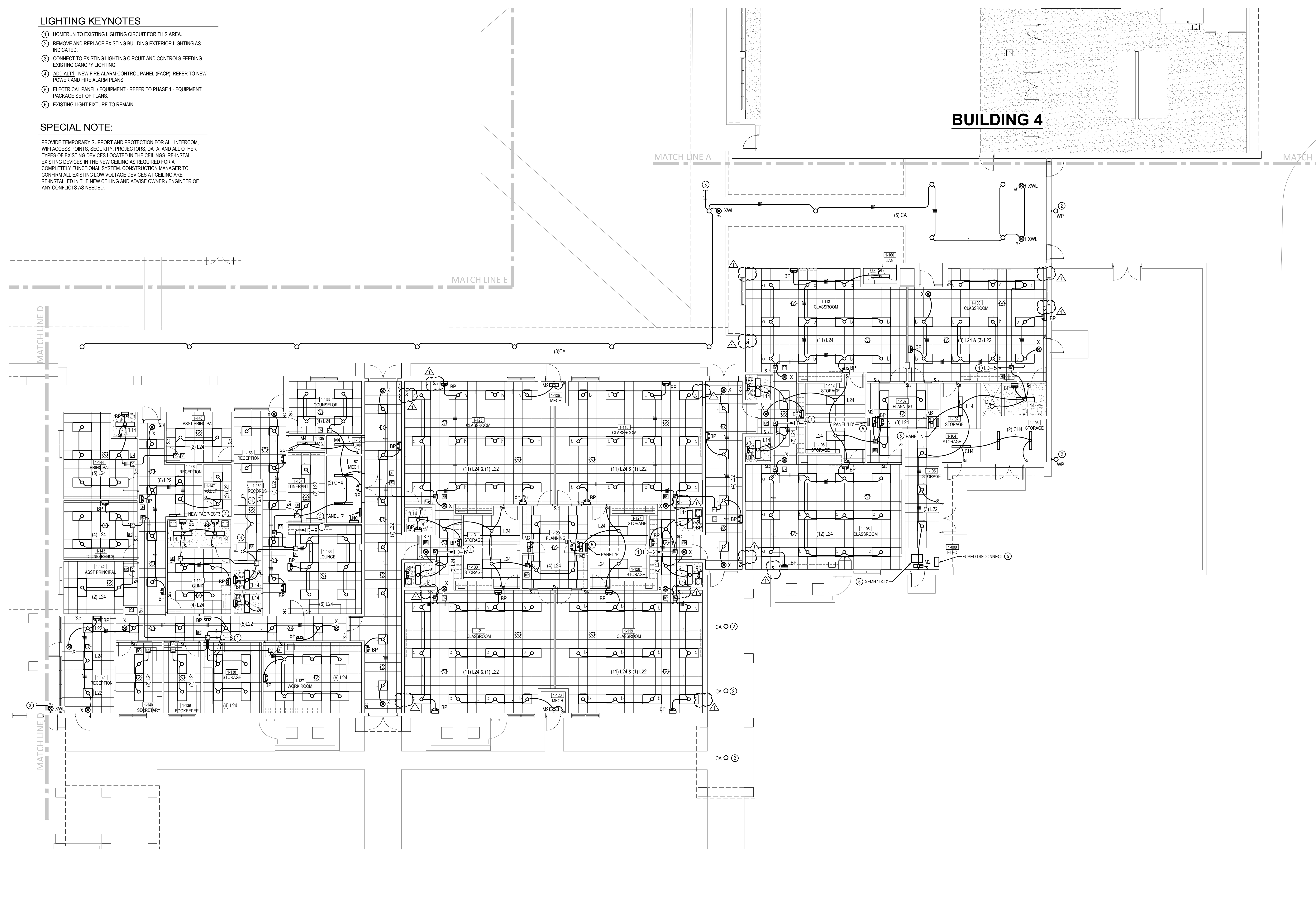
BUILDING 4 - POWER & FIRE ALARM - NEW WORK 1/8" = 1'-0"

LIGHTING KEYNOTES

- ① HOMERUN TO EXISTING LIGHTING CIRCUIT FOR THIS AREA.
- ② REMOVE AND REPLACE EXISTING BUILDING EXTERIOR LIGHTING AS INDICATED.
- ③ CONNECT TO EXISTING LIGHTING CIRCUIT AND CONTROLS FEEDING EXISTING CANOPY LIGHTING.
- ④ ADD AL1 - NEW FIRE ALARM CONTROL PANEL (FACP). REFER TO NEW POWER AND FIRE ALARM PLANS.
- ⑤ ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
- ⑥ EXISTING LIGHT FIXTURE TO REMAIN.

SPECIAL NOTE:

PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERIOR, W/F ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILINGS. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.



BUILDING 4

MATCH LINE A

MATCH LINE B

MATCH LINE E

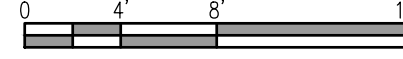
MATCH LINE D

MATCH LINE C



BUILDING 1 - LIGHTING - NEW WORK

1/8" = 1'-0"



PROJECT
VOLUME 3

TOMMY SMITH ELEMENTARY SCHOOL
RENOVATIONS

5044 TOMMY SMITH DR.
PANAMA CITY, FL 32404

OWNER
BAY DISTRICT SCHOOLS

ARCHITECT'S SEAL

PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

ELECTRICAL
HG Engineers

PROJECT NUMBERS
Architect No: 22045D

DELIVERABLES

Schematic Design:	None
Design Development:	20 July 2023
Bid Documents:	17 May 2024
Permit Set:	
Architect Issued Addendum #1 to CM for Bidding:	05 July 2024
Addendum 1:	21 June 2024

SHEET TITLE
BUILDING 1 - LIGHTING - NEW WORK

SHEET NUMBER
E401



HG Engineers
621 N. Tropic Parkway, Unit C
Panama City, Florida 32404
E-mail: office@hgengineers.com
PH: 850.243.8723
Christopher A. Garcia, P.E., PE No. 53304
Thomas A. Alexander, P.E., PE No. 73172
David J. White, P.E., PE No. 73790
Caleb W. Leonard, P.E., PE No. 91782

23007

Job No.

LIGHTING KEYNOTES

- ① HOMERUN TO EXISTING LIGHTING CIRCUIT FOR THIS AREA.
- ② BID ALTERNATE - REMOVE AND REPLACE EXISTING BUILDING EXTERIOR LIGHTING AS INDICATED.
- ③ CONNECT TO EXISTING LIGHTING CIRCUIT AND CONTROLS FEEDING EXISTING CANOPY LIGHTING.
- ④ ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.

SPECIAL NOTE:

PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY, PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILING. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

PROJECT VOLUME 3

TOMMY SMITH ELEMENTARY SCHOOL RENOVATIONS

OWNER BAY DISTRICT SCHOOLS ARCHITECT'S SEAL

PROJECT TEAM ARCHITECTURAL Caldwell Associates

PLUMBING Watford Engineering

MECHANICAL Watford Engineering

ELECTRICAL HG Engineers

PROJECT NUMBERS Architect No: 22045D

DELIVERABLES

Schematic Design: None
 Design Development: 20 July 2023
 Bid Documents: 17 May 2024
 Permit Set:

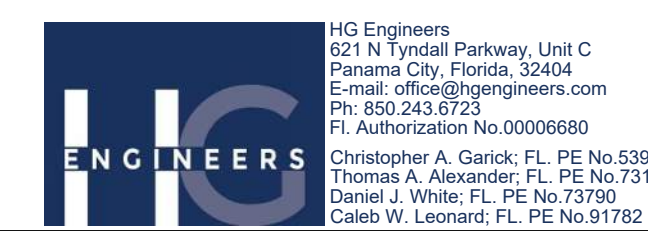
Architect Issued Addendum #1 to CM for Bidding 05 July 2024
 Addendum 1 21 June 2024

SHEET TITLE BUILDING 2 - LIGHTING - NEW WORK

SHEET NUMBER

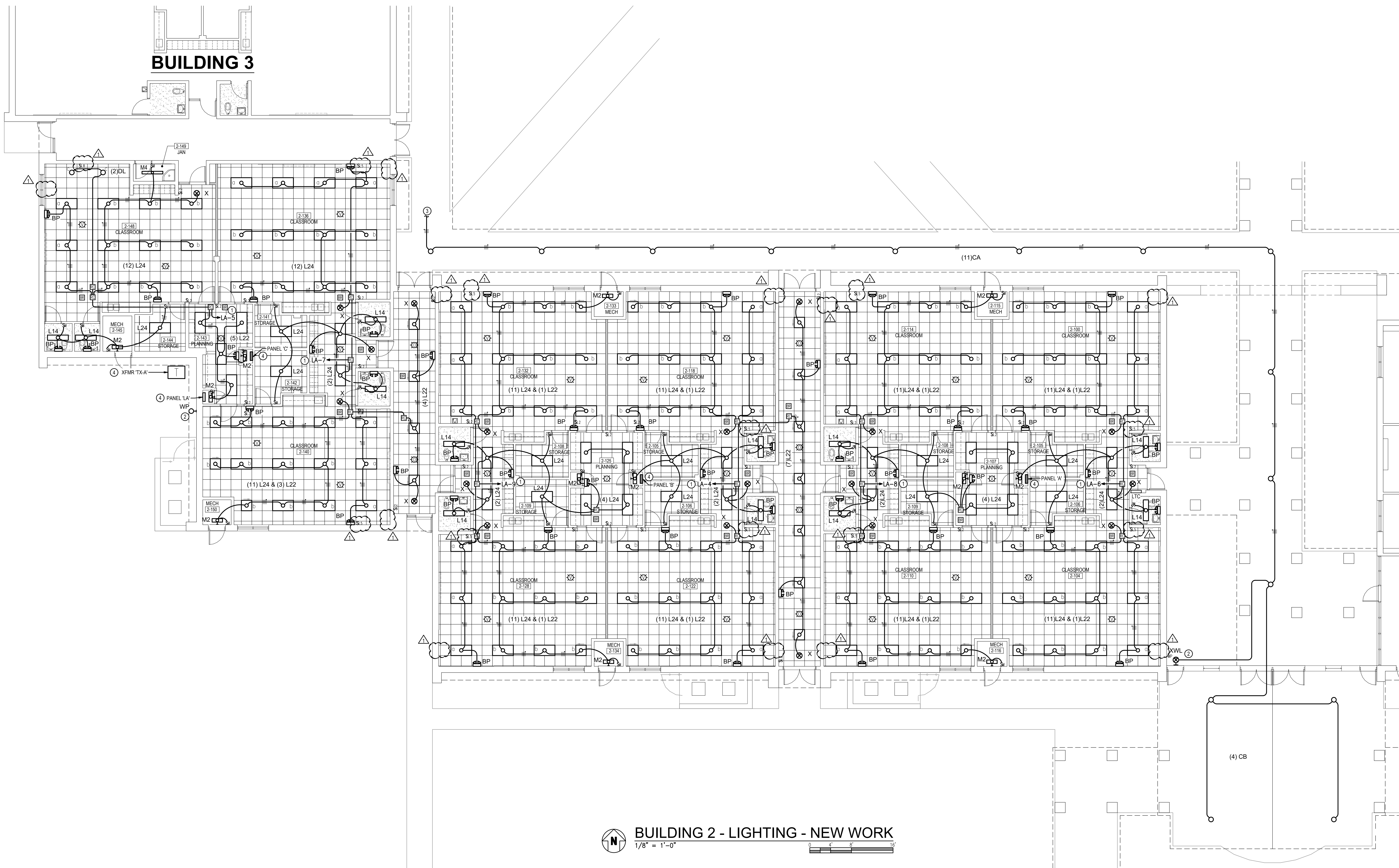
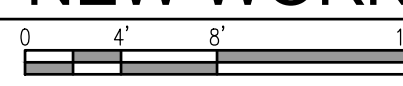
E402

23007 Job No.



HG Engineers
 821 N. Tropic Parkway, Unit C
 Panama City, Florida 32404
 Email: office@hgengineers.com
 Ph: 904.263.8723
 Christopher A. Garcia, P.E., P.E. No. 53304
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 Daniel J. Nolan, P.E., P.E. No. 73790
 Caleb W. Leonard, P.E., P.E. No. 91782

BUILDING 2 - LIGHTING - NEW WORK 1/8" = 1'-0"

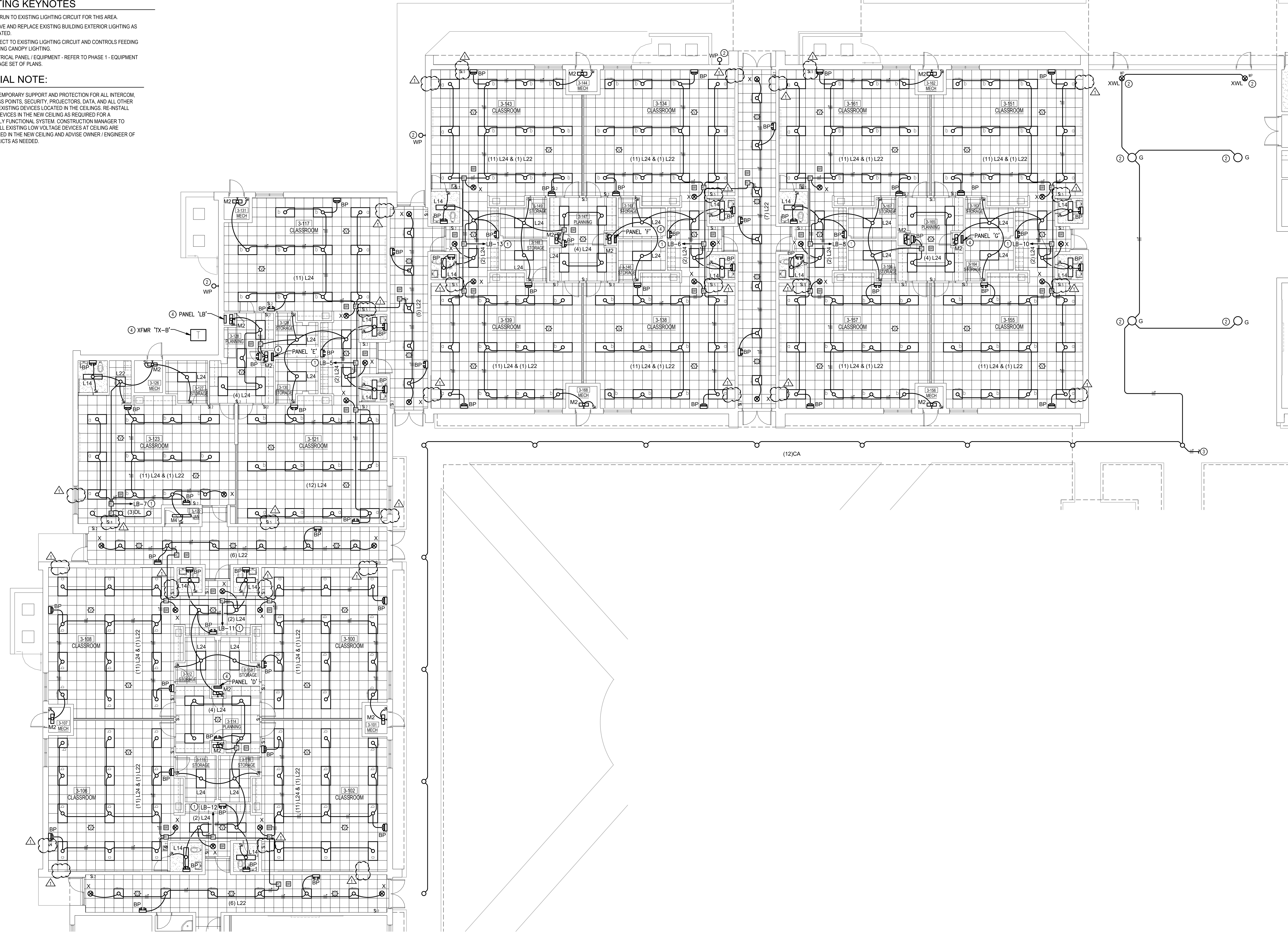


LIGHTING KEYNOTES

- ① HOMERUN TO EXISTING LIGHTING CIRCUIT FOR THIS AREA.
- ② REMOVE AND REPLACE EXISTING BUILDING EXTERIOR LIGHTING AS INDICATED.
- ③ CONNECT TO EXISTING LIGHTING CIRCUIT AND CONTROLS FEEDING EXISTING CANOPY LIGHTING.
- ④ ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.

SPECIAL NOTE:

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PROJECT
VOLUME 3

OWNER
TOMMY SMITH ELEMENTARY SCHOOL RENOVATIONS
BAY DISTRICT SCHOOLS

ARCHITECT'S SEAL

PROJECT TEAM
ARCHITECTURAL
Caldwell Associates

PLUMBING
Watford Engineering

MECHANICAL
Watford Engineering

ELECTRICAL
HG Engineers

PROJECT NUMBERS
Architect No: 22045D

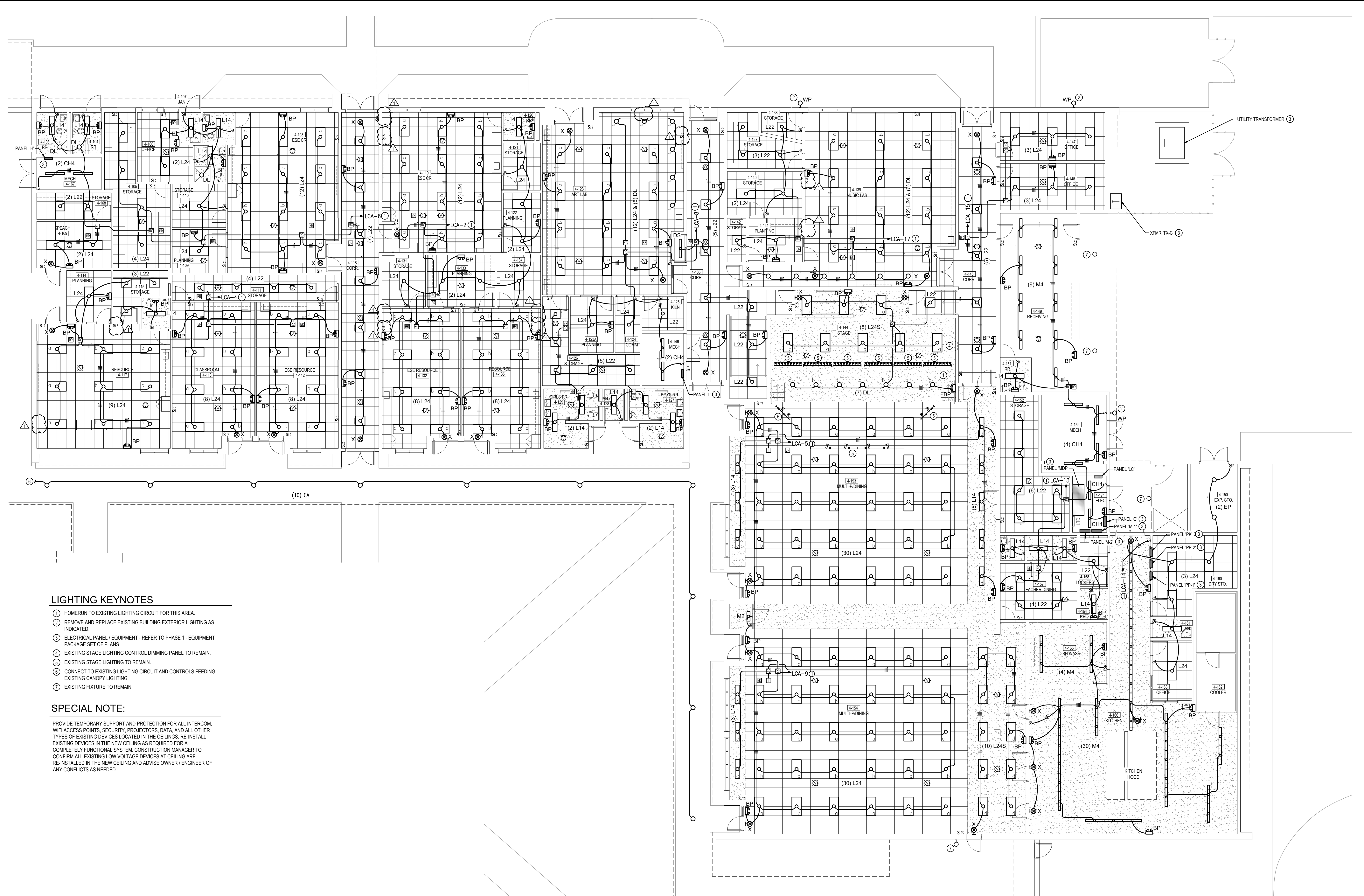
DELIVERABLES

Schematic Design:	None
Design Development:	20 July 2023
Bid Documents:	17 May 2024
Permit Set:	
Architect Issued Addendum #1 to CM for Bidding:	21 June 2024
	05 July 2024

23007
Job No.

SHEET TITLE
BUILDING 4 - LIGHTING - NEW WORK

SHEET NUMBER
E404



LIGHTING KEYNOTES

- ① HOMERUN TO EXISTING LIGHTING CIRCUIT FOR THIS AREA.
- ② REMOVE AND REPLACE EXISTING BUILDING EXTERIOR LIGHTING AS INDICATED.
- ③ ELECTRICAL PANEL / EQUIPMENT - REFER TO PHASE 1 - EQUIPMENT PACKAGE SET OF PLANS.
- ④ EXISTING STAGE LIGHTING CONTROL DIMMING PANEL TO REMAIN.
- ⑤ EXISTING STAGE LIGHTING TO REMAIN.
- ⑥ CONNECT TO EXISTING LIGHTING CIRCUIT AND CONTROLS FEEDING EXISTING CANOPY LIGHTING.
- ⑦ EXISTING FIXTURE TO REMAIN.

SPECIAL NOTE:

PROVIDE TEMPORARY SUPPORT AND PROTECTION FOR ALL INTERCOM, WIFI ACCESS POINTS, SECURITY PROJECTORS, DATA, AND ALL OTHER TYPES OF EXISTING DEVICES LOCATED IN THE CEILINGS. RE-INSTALL EXISTING DEVICES IN THE NEW CEILING AS REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM. CONSTRUCTION MANAGER TO CONFIRM ALL EXISTING LOW VOLTAGE DEVICES AT CEILING ARE RE-INSTALLED IN THE NEW CEILING AND ADVISE OWNER / ENGINEER OF ANY CONFLICTS AS NEEDED.

BUILDING 4 - LIGHTING - NEW WORK
1/8" = 1'-0"