### ADDENDUM NO. 3

#### **November 11, 2022**

### LIBERTY ELEMENTARY SCHOOL RENOVATIONS Chesterton, IN 46304

#### TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated October 17, 2022 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 3-1 through ADD 3-9, attached replacement Specification Sections 00 31 00, 01 00 32b, 01 32 00c, 01 23 00, attached Addendum No. 3 from Gibraltar Design dated November 9, 2022 and consisting of 5 pages, Specification Sections 11 40 00 - Foodservice Equipment, 32 12 16 - Asphaltic Concrete Paving, 32 17 23 - Roadway and Paving Marking, and 39 Drawings.

#### A. SPECIFICATION SECTION 00 00 20 - TABLE OF CONTENTS

#### 1. **Add:**

Specification Section 32 12 16 - Asphaltic Concrete Paving Specification Section 32 17 23 - Roadway and Paving Marking

#### B. SPECIFICATION SECTION 00 31 00 - INDIANA BID FORM

1. Replace with attached

#### C. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

#### 1. Bid Category No. 1 - General Trades

#### a. Add:

Specification Section 32 12 16 - Asphaltic Concrete Paving Specification Section 32 17 23 - Roadway and Paving Marking

#### b. Replace:

#### Clarification No. 5:

The Bid Category No. 1 Contractor shall provide plywood covered frames for new window openings, new overhead door openings, and hinged plywood at door openings to maintain temperatures necessary to perform the work and provide security. Provide protection against adverse weather so that the building and materials will not be damaged, and against unauthorized entry. Protection shall be provided well in advance of finishing operations to prevent penetration of dust or moisture into finished areas. Provide Ten (10) Construction grade padlocks keyed alike with freeze protection for gates/doors with a minimum of Ten (10) keys for distribution to designated contractors and the Construction Manager.

#### c. Replace:

#### Clarification No. 12:

Regarding Specification Section 02 41 30 Minor Demolition for Remodeling; The **Bid Category No. 1 Contractor** is responsible to provide all demolition, cutting and patching of Roof related work to include, but not limited to, membrane, fascia, coping, insulation, curbs, etc. Category No. 9 Contractor is responsible to provide all demolition, cutting and patching of Fire Protection related work to include, but not limited to, fixtures, piping, etc. The Bid Category No. 10 Contractor is responsible to provide all demolition, cutting and patching of Plumbing related work to include, but not limited to, fixtures, piping, etc. The Bid Category No. 11 **Contractor** is responsible to provide all demolition, cutting and patching of Mechanical/HVAC related work to include, but not limited to, grilles, ductwork, units, piping, systems, etc. The Bid Category No. 12 Contractor is to provide all demolition, cutting and patching of Electrical related work to include, but not limited to, light fixtures, conduit, raceways, wiring, equipment, etc. The Bid Category No. 1 Contractor is responsible for all other demolition, removals and patching as indicated on the contract documents.

#### d. Replace:

#### Clarification No. 15:

The **Bid Category No. 1 Contractor** is responsible to provide the work described in Demolition Plan Note No. 51 on Plan Sheets AD101, AD102 and AD103.

#### e. Add:

#### Clarification No. 17:

The **Bid Category No. 1 Contractor** shall provide protection for all flooring that is scheduled to remain. Protection must be adequate for all contractors. Protection on wood floor in gymnasium must be adequate for the use of a scissor lift for overhead fire protection piping work. Installation, relocation, and removal of temporary protection shall be coordinated with the Skillman Site Manager.

#### Clarification No. 18:

The **Bid Category No. 1 Contractor** shall provide the work indicated in Demolition Plan Note No. 35 on Plan AD101 for Rooms A-119, A-120, A-122, A-123, A-124, A-125 and A-126 only.

#### 2. Bid Category No. 3 - Metal Studs/Drywall

#### a. Replace:

#### Clarification No. 5:

The **Bid Category No. 3 Contractor** is responsible to provide the work described in Plan Notes 20, 26 and 35 on Plan Sheets A-101, A-102 and A-103.

#### 3. Bid Category No. 4 - Painting

#### a. Add:

#### Clarification No. 6:

The **Bid Category No. 4 Contractor** is responsible to provide demolition of all wall covering in a manner to minimize damaging subsurface and to provide patching and coating of existing surfaces as required to prepare for final finishes as indicated throughout the contract documents.

#### 4. **Bid Category No. 5 - Hard Tile**

#### a. Replace:

#### Clarification No. 2:

The Bid Category No. 5 Contractor or the Bid Category No. 6 Contractor – whichever is providing the final finishes – is responsible to provide the work described in Plan Notes 27 and 28 on Plan Sheets A-101, A-102 and A-103.

#### 5. Bid Category No. 6 - Carpet/Resilient

#### a. Replace:

#### Clarification No. 2:

The Bid Category No. 5 Contractor or the Bid Category No. 6 Contractor – whichever is providing the final finishes – is responsible to provide the work described in Plan Notes 27 and 28 on Plan Sheets A-101, A-102 and A-103.

#### 6. **Bid Category No. 7 - Casework**

#### a. **Replace:**

#### Clarification No. 2:

Reference Specification Section 06 20 00 – Finish Carpentry: The **Bid** Category No. 7 Contractor shall provide all work shown on Drawing Sheet A730 including solid surfaces. The **Bid Category No. 1 Contractor** shall provide all other items in this section.

#### 7. Bid Category No. 8 - Food Service

#### a. Add:

Specification Section 11 40 00 - Food Service Equipment

#### 8. **Bid Category No. 9 - Fire Protection**

#### a. Add:

#### Clarification No. 6:

The **Bid Category Contractor** requiring access to their work above ceiling systems that are not scheduled to be removed in their entirety is responsible to provide the removal and replacement of the applicable portions of ceiling systems required for their overhead work as indicated throughout the contract documents.

#### b. Add:

#### Clarification No. 7:

The **Bid Category No. 1 Contractor** shall provide the work indicated in Demolition Plan Note No. 35 on Plan AD101 for Rooms A-119, A-120, A-122, A-123, A-124, A-125 and A-126 only.

#### c. Clarification No. 8:

Regarding Specification Section 02 41 30 Minor Demolition for Remodeling; The **Bid Category No. 1 Contractor** is responsible to provide all demolition, cutting and patching of Roof related work to include, but not limited to, membrane, fascia, coping, insulation, curbs, etc. Category No. 9 Contractor is responsible to provide all demolition, cutting and patching of Fire Protection related work to include, but not limited to, fixtures, piping, etc. The Bid Category No. 10 Contractor is responsible to provide all demolition, cutting and patching of Plumbing related work to include, but not limited to, fixtures, piping, etc. The Bid Category No. 11 **Contractor** is responsible to provide all demolition, cutting and patching of Mechanical/HVAC related work to include, but not limited to, grilles, ductwork, units, piping, systems, etc. The Bid Category No. 12 Contractor is to provide all demolition, cutting and patching of Electrical related work to include, but not limited to, light fixtures, conduit, raceways, wiring, equipment, etc. The Bid Category No. 1 Contractor is responsible for all other demolition, removals and patching as indicated on the contract documents.

#### 9. **Bid Category No. 10 - Plumbing**

#### a. Replace:

#### Clarification No. 3:

Regarding Specification Section 02 41 30 Minor Demolition for Remodeling; The Bid Category No. 1 Contractor is responsible to provide all demolition, cutting and patching of Roof related work to include, but not limited to, membrane, fascia, coping, insulation, curbs, etc. Category No. 9 Contractor is responsible to provide all demolition, cutting and patching of Fire Protection related work to include, but not limited to, fixtures, piping, etc. The Bid Category No. 10 Contractor is responsible to provide all demolition, cutting and patching of Plumbing related work to include, but not limited to, fixtures, piping, etc. The Bid Category No. 11 **Contractor** is responsible to provide all demolition, cutting and patching of Mechanical/HVAC related work to include, but not limited to, grilles, ductwork, units, piping, systems, etc. The Bid Category No. 12 Contractor is to provide all demolition, cutting and patching of Electrical related work to include, but not limited to, light fixtures, conduit, raceways, wiring, equipment, etc. The Bid Category No. 1 Contractor is responsible for all other demolition, removals and patching as indicated on the contract documents.

#### b. Add:

#### Clarification No. 9:

The **Bid Category Contractor** requiring access to their work above ceiling systems that are not scheduled to be removed in their entirety is responsible to provide the removal and replacement of the applicable portions of ceiling systems required for their overhead work as indicated throughout the contract documents.

#### c. Add:

#### Clarification No. 10:

The **Bid Category No. 1 Contractor** shall provide the work indicated in Demolition Plan Note No. 35 on Plan AD101 for Rooms A-119, A-120, A-122, A-123, A-124, A-125 and A-126 only.

#### 10. Bid Category No. 11 - Mechanical

#### a. Replace:

#### Clarification No. 4:

Regarding Specification Section 02 41 30 Minor Demolition for Remodeling; The Bid Category No. 1 Contractor is responsible to provide all demolition, cutting and patching of Roof related work to include, but not limited to, membrane, fascia, coping, insulation, curbs, etc. Category No. 9 Contractor is responsible to provide all demolition, cutting and patching of Fire Protection related work to include, but not limited to, fixtures, piping, etc. The Bid Category No. 10 Contractor is responsible to provide all demolition, cutting and patching of Plumbing related work to include, but not limited to, fixtures, piping, etc. The Bid Category No. 11 **Contractor** is responsible to provide all demolition, cutting and patching of Mechanical/HVAC related work to include, but not limited to, grilles, ductwork, units, piping, systems, etc. The Bid Category No. 12 Contractor is to provide all demolition, cutting and patching of Electrical related work to include, but not limited to, light fixtures, conduit, raceways, wiring, equipment, etc. The Bid Category No. 1 Contractor is responsible for all other demolition, removals and patching as indicated on the contract documents.

#### b. Add:

#### Clarification No. 9:

The **Bid Category Contractor** requiring access to their work above ceiling systems that are not scheduled to be removed in their entirety is responsible to provide the removal and replacement of the applicable portions of ceiling systems required for their overhead work as indicated throughout the contract documents.

#### c. Add:

#### Clarification No. 10:

The **Bid Category No. 1 Contractor** shall provide the work indicated in Demolition Plan Note No. 35 on Plan AD101 for Rooms A-119, A-120, A-122, A-123, A-124, A-125 and A-126 only.

#### 11. Bid Category No. 12 - Electrical

#### a. Replace:

#### Clarification No. 4:

Regarding Specification Section 02 41 30 Minor Demolition for Remodeling; The Bid Category No. 1 Contractor is responsible to provide all demolition, cutting and patching of Roof related work to include, but not limited to, membrane, fascia, coping, insulation, curbs, etc. Category No. 9 Contractor is responsible to provide all demolition, cutting and patching of Fire Protection related work to include, but not limited to, fixtures, piping, etc. The Bid Category No. 10 Contractor is responsible to provide all demolition, cutting and patching of Plumbing related work to include, but not limited to, fixtures, piping, etc. The Bid Category No. 11 **Contractor** is responsible to provide all demolition, cutting and patching of Mechanical/HVAC related work to include, but not limited to, grilles, ductwork, units, piping, systems, etc. The Bid Category No. 12 Contractor is to provide all demolition, cutting and patching of Electrical related work to include, but not limited to, light fixtures, conduit, raceways, wiring, equipment, etc. The Bid Category No. 1 Contractor is responsible for all other demolition, removals and patching as indicated on the contract documents.

#### b. Add:

#### Clarification No. 11:

The **Bid Category Contractor** requiring access to their work above ceiling systems that are not scheduled to be removed in their entirety is responsible to provide the removal and replacement of the applicable portions of ceiling systems required for their overhead work as indicated throughout the contract documents.

#### c. Add:

#### Clarification No. 12:

The **Bid Category No. 1 Contractor** shall provide the work indicated in Demolition Plan Note No. 35 on Plan AD101 for Rooms A-119, A-120, A-122, A-123, A-124, A-125 and A-126 only.

#### D. SPECIFICATION SECTION 01 23 00 - BID ALTERNATES

1. Replace with attached

#### E. SPECIFICATION SECTION 01 32 00b - GUIDELINE SCHEDULE

1. **Replace with attached** 

#### F. SPECIFICATION SECTION 01 32 00c - PHASING PLAN

1. **Replace with the attached** 

#### CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

ADD No.3

Format (Revised 2013) (Amended for DSC)

### **Duneland Liberty Elementary School Renovations**

### **Duneland School Corporation**

Chesterton, IN

#### **PART I**

(To be completed for all bids. Please type or print)

Date (month, day, year):			
BIDDER (Firm)			
Address			P.O. Box
City/State/Zip			
Telephone Number:		Email Address:	
Person to contact reg	garding this Bid		
Pursuant to notices g complete the public	-	fers to furnish labor a	nd/or materials necessary to
	Insert Catego	ory No. (s) and Name(	<u>s)</u>
	ions prepared by Gibralt	•	enovations, in accordance with deridian St., Ste. #300,
BASE BID			
For the sum of	(Sum in words)		
		DOLLARS (	\$)
			(Sum in figures)

The undersigned acknowled Receipt of Addenda No. (s)	-	owing Addenda:	
PROPOSAL TIME			
	may be accepted or re	or a period of sixty (60) con jected during this period. Bi deemed rejected.	
Attended pre-bid conferenc	e YES	NO	
Has visited the jobsite	YES	NO	
	e Guideline Schedule	in Section 01 32 00 and the NO	intent
	Vritten Drug Testing Place work project and mee	an that covers all employees ets or exceeds the requirement	
	1 ES	NO	
measure the active particip Disabled Individual-Owner	pation of Minority- Ow ed Businesses. The Pro	s to create a program to enco yned, Women-Owned, Veter gram is to ensure that MWV e in all Skillman Corporation	ran – Owned and DBEs are
Bidder has included:	DBE: YES	% NO	
		d or certified check with the	

The undersigned further agrees to furnish a bond or certified check with this Bid for an amount specified in the Notice to Bidders. If Alternate Bids apply, submit a proposal for each in accordance with the Plans and Specifications.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin, or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

### CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS (if applicable)

I, the undersigned bidder, or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

#### **ALTERNATE BIDS**

TSC 220190.03

A blank entry or an entry of "No Bid", "N/A", or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate "No Change".

#### \*\*MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE \*\*

Alternate Bid No. 1 – Schneider Electric Controls	s installed by Precision Control S	Systems, Inc.
Change the Base Bid the sum of(sum in words)		
		ADD
	DOLLARS (\$)	DEDUCT
	(sum in figures)	
Alternate Bid No. 2 – Bell & Gossett Pumps		
Change the Base Bid the sum of		
(sum in words)		
		ADD
	_DOLLARS (\$) (sum in figures)	DEDUCT
	(sum in figures)	
Alternate Bid No. 3 – Chemical Water Treatment	by H-O-H Chemicals	
Change the Base Bid the sum of		
(sum in words)		
(Sum in Words)		ADD
	DOLLARS (\$	
	DOLLARS (\$) (sum in figures)	
Alternate Bid No. 4 – Notifier Fire Alarm System		
Change the Base Bid the sum of		
(sum in words)		
		ADD
	_DOLLARS (\$) (sum in figures)	DEDUCT
	(sum in figures)	

Bid Form Section 00 31 00-3

#### <u>Alternate Bid No. 5 – Square D Electrical Distribution Equipment</u>

Change the Base Bid the sum of		
(sum in words)		
		ADD
	DOLLARS (\$) (sum in figures)	DEDUCT
	(sum in figures)	
Alternate Bid No. 6 – Remodel of canopy roofing	fossis and roof framing at Entry E	2 101 steel
columns and foundations to remain	, lascia and foot framing at Entry B	<u> </u>
columns and foundations to remain		
GL d. D. Dild.		
Change the Base Bid the sum of		
(sum in words)		
	DOLLARG (A	ADD
	DOLLARS (\$)	DEDUCT
	(sum in figures)	
Alternate Bid No. 7 – Work for Kitchen, Kitchen	Office, Storage/Office, PE Storage.	Serving and
Dishwashing areas		
Change the Base Bid the sum of		
(sum in words)		
,		ADD
	DOLLARS (\$	DEDUCT
	DOLLARS (\$) (sum in figures)	
Alternate Did No. 9 Week for couth morbing let		
Alternate Bid No. 8 – Work for south parking lot		
Change the Base Bid the sum of		
(sum in words)		4 D.D.
	DOLLARG (A	ADD
	DOLLARS (\$) (sum in figures)	DEDUCT
	(sum in figures)	

#### **PART II**

(For projects of \$150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

#### SECTION I EXPERIENCE QUESTIONNAIRE

1.	What public works projects has your organization completed for the period of one (1) year
	prior to the date of the current bid?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

2	XX71 4 1. 1			- C 1 1	1	i <u></u> 9
,	What public works	nroiecis are nov	/ in process	or construction	ny vour	organization (
<b>4</b> .	William public Wollks	projects are nov	in process	or combination	o, your	or guilleunoir.

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

3.	Have you ever failed to complete any work awarded to you?why?	_If so, where and
4.	List references from private firms for which you have performed work.	

#### SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1.	Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)
2.	Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.
3.	If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will required a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

4.	What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.
5.	Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

#### SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

#### SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

#### SECTION V OATH AND AFFIRMATION

I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

Dated at	this	day of	, 20	
			(Name of Orga	nization)
	Ву			
-			(Title of Person	n Signing)
		WLEDGEMI	ENT	
STATE OF	) 55			
COUNTY OF	)			
Before me, a Notary Publ	ic, personally appea	ared the abov	e-named	
Swore that the statements	contained in the for	regoing docu	ment are true and c	correct.
Subscribed and sworn to	before me this		lay of	,
(Title)				
]	Notary Public			
My Commission Expires:				
County of Residence:				

END OF SECTION 00 31 00

#### PART 1 - GENERAL

#### 1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including amended General Conditions and other Division 1 Specification Sections, apply to work of this Section.

#### 1.02 PURPOSE

A. The Bids for the Alternates described herein are required in order for the Owner to obtain information necessary for the proper consideration of the Project in its entirety.

#### 1.03 ALTERNATES

A. Definitions: Alternates are defined as alternate products, materials, equipment, installations, or systems for the Work, which may, at Owner's option and under terms established by Instructions to Bidders, be selected and recorded in the Owner-Contractor Agreement to either supplement or displace corresponding basic requirements of Contract Documents. Alternates may or may not substantially change scope and general character of the Work; and must not be confused with "allowances", "unit prices", "change orders", "substitutions", and other similar provisions.

#### 1.04 SCHEDULE OF ALTERNATES

- A. <u>ALTERNATE NO. 1: State the cost to provide Schneider Electric Controls as installed by Precision Controls Systems, Inc., if not already included in your Base Bid.</u>
- B. <u>ALTERNATE NO. 2: State the cost to provide hydronic pumps manufactured by Bell & Gossett if not already included in your Base Bid.</u>
- C. <u>ALTERNATE NO. 3: State the cost to provide Chemical Water Treatment by H-O-H Chemicals if not already included in your Base Bid.</u>
- D. <u>ALTERNATE NO. 4: State the cost to provide a Fire Alarm System manufactured by Notifier if not already included in your Base Bid.</u>
- E. <u>ALTERNATE NO. 5: State the cost to provide Electrical Distribution Equipment manufactured by Square D if not already included in your Base Bid.</u>

TSC 220190.03 Alternates 01 23 00-1

- F. <u>ALTERNATE NO. 6: State the cost to provide new canopy structure as indicated on the Drawings for canopy at Entry B-101, including removal of the existing canopy roofing, fascia, and roof framing. Existing steel columns and foundations to remain.</u>
- G. <u>ALTERNATE NO. 7: State the cost to provide the work for the Kitchen, Kitchen Office, Storage/Office, PE Storage, Serving and Dishwashing areas as shown on the bid plans.</u>
- H. <u>ALTERNATE No. 8: State the cost to provide the work at the south parking lot as shown on bid plans.</u>

<u>PART 2 - PRODUCTS</u>, <u>PART 3 - EXECUTION</u> (Not Used)

END OF SECTION 01 23 00

TSC 220190.03 Alternates 01 23 00-2

Name	Original Start Duration	Finish	2023 2024 2024 20.  p   Oct   Nov   Dec   Jan   F   Mar   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Feb   Mar   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   F   Mar   Apr   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   F   Mar   Apr   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   F   Mar   Apr   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   F   Mar   Apr   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   F   Mar   Apr   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   F   Mar   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   F   Mar   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   Apr   M   Jun   Jul   Aug   Sep   Oct   Apr   Apr   Apr   M   Jun   Jul   Aug   Sep   Oct   Apr   Apr   M   Jun   Jul   Aug   Sep   Oct   Apr   Apr   Apr   M   Jun   Jul   Aug   Sep   Oct   Apr   Apr   Apr   M   Jun   Jul   Aug   Sep   Oct   Apr   Ap
uneland Liberty Elementary School Renovations	462 Oct-17-2	22 Jul-30-24	
Project Administration	462 Oct-17-2	22 Jul-30-24	Duneland Liberty Elementary School Renovations
Bid Phase	22 Oct-17-2	22 Nov-15-22	Project Administration  Δ➡V Bid Phase
Pre-Bid Meeting	0	Oct-25-22	◆ Pre-Bid Meeting
Bid Opening	0	Nov-15-22	◆ Bid Opening
Recommendation/Award	0	Nov-30-22	♦ Recommendation/Award
Notice to Proceed	0 Dec-07-	22	◆ Notice to Proceed
Submittals, Product Data, Shop Drawings, Samples	120 Dec-07-	22 May-25-23	△ Submittals, Product Data, Shop Drawings, Samples
Contracts	5 Dec-07-	22 Dec-13-22	Contracts
Start Summer Break 2023	0 May-26-	23*	◆ Start Summer Break 2023
Start Construction	0 May-26-	23	◆ Start Construction
Mobilization	5 May-26-	23 Jun-01-23	
Classroom A.1 Turnover	0	Jul-14-23	◆ Classroom A.1 Turnover
Classroom B.1 Turnover	0	Aug-03-23	◆ Classroom B.1 Turnover
First Teacher Day 2023	0 Aug-07-	23*	◆ First Teacher Day 2023
Classroom B.2 Turnover	0	Oct-11-23	◆ Classroom B.2 Turnover
Classroom B.3 Turnover	0	Dec-19-23	◆ Classroom B.3 Turnover
Classroom B.4 Turnover	0	Mar-08-24	Classroom B.4 Turnover
Classroom A.2 Turnover	0	May-16-24	◆ Classroom A.2 Turnover
Start Summer Break 2024	0 May-24-	24*	◆ Start Summer Break 2024
Admin A.3 Turnover	0	Jul-15-24	◆ Admin A.3 Turnover
Substantial Completion	0	Jul-16-24	◆ Substantial Completion
Final Punchlist Completion	10 Jul-17-2	4 Jul-30-24	Final Punchlist Completion
Project Completion	0	Jul-30-24	◆ Project Completion

Actual Work

Remaining Work

Critical Remaining Work

Milestone

220190.03. - Duneland Liberty Elementary School Renormal Guideline Schedule Oct-17-22

Page 1 of 9

△ Summary



Activity Name	Original Start Duration	Finish	2023 2024 2025
Site Work	3 May-26-23	May-30-23	p Oct Nov Dec Jan F Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan F Mar Apr M Jun Jul
			Site Work
Landscape	2 May-26-23	May-29-23	☑ Landscape
Curbs and Walks	2 May-29-23	May-30-23	☑ Curbs and Walks
Interior Build Out	307 May-26-23	Jul-30-24	Interior Build Out
Unit B Gym, Cafeteria, Corridors	45 May-26-23	Jul-28-23	Unit B Gym, Cafeteria, Corridors
Fire Sprinkler Mains	45 May-26-23	Jul-28-23	Fire Sprinkler Mains
Classroom B.1	49 May-26-23	Aug-03-23	Classroom B.1
Demolition	10 May-26-23	Jun-08-23	ΔV Demolition
Abatement	7 Jun-09-23	Jun-19-23	Abatement
Underground Utilites and Floor Patch	5 Jun-20-23	Jun-26-23	△☑ Underground Utilites and Floor Patch
Store Fronts and Glazing	5 Jun-20-23	Jun-26-23	△☑ Store Fronts and Glazing
Metal Stud Framing	5 Jun-27-23	Jul-03-23	
In-Wall Electrical Rough-Ins	5 Jun-27-23	Jul-03-23	△ In-Wall Electrical Rough-Ins
Ductwork	5 Jun-27-23	Jul-03-23	△ Ductwork
Overhead Piping/ Sprinklers	5 Jul-05-23	Jul-11-23	☑ Overhead Piping/ Sprinklers
Overhead Electrical and Technology	5 Jul-05-23	Jul-11-23	
Drywall and Tape	5 Jul-12-23	Jul-18-23	△▼ Drywall and Tape
Painting	5 Jul-19-23	Jul-25-23	Painting
Ceilings	3 Jul-26-23	Jul-28-23	☑ Ceilings
Light Fixtures	3 Jul-26-23	Jul-28-23	☑ Light Fixtures
Diffusers and Grilles	3 Jul-26-23	Jul-28-23	☑ Diffusers and Grilles
Casework and Millwork	4 Jul-31-23	Aug-03-23	
Flooring	4 Jul-31-23	Aug-03-23	
Doors and Hardware	4 Jul-31-23	Aug-03-23	
Actual Work	220100 (	12 Days along d	Liberty Flementary School Renovations



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Activity Name	Original Start Duration	Finish	2023 2024 2025
Restrooms B.1	28 Jun-09-23	Jul-19-23	p Oct Nov Dec Jan F Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan F Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan F Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan F Mar Apr M Jun Jul
Demolition	5 Jun-09-23		Restrooms B.1  Demolition
Underground Utilities and Floor Patch	2 Jun-16-23	Jun-19-23	☑ Underground Utilities and Floor Patch
Plumbing Rough-Ins	4 Jun-20-23	Jun-23-23	☑ Plumbing Rough-Ins
Metal Stud Framing	2 Jun-26-23	Jun-27-23	☑ Metal Stud Framing
Drywall	5 Jun-28-23	Jul-05-23	△ Drywall
Tile	4 Jul-06-23	Jul-11-23	Ø Tile
Painting	2 Jul-12-23	Jul-13-23	
Plumbing Fixtures	2 Jul-14-23	Jul-17-23	
Toilet Partitions	2 Jul-18-23	Jul-19-23	☑ Toilet Partitions
Toilet Accessories	2 Jul-18-23	Jul-19-23	☑ Toilet Accessories
Multi-Purpose Room C.1	5 May-26-23	Jun-01-23	Multi-Purpose Room C.1
Metal Stud Framing	1 May-26-23	May-26-23	☑ Metal Stud Framing
Drywall and Tape	3 May-26-23	May-30-23	
Painting	1 May-31-23	May-31-23	☑ Painting
Doors and Hardware	1 Jun-01-23	Jun-01-23	□ Doors and Hardware
Classroom A.1	35 May-26-23	Jul-14-23	Classroom A.1
Demolition	5 May-26-23	Jun-01-23	△ Demolition
Abatement	5 Jun-02-23	Jun-08-23	
Store Fronts and Glazing	5 Jun-02-23	Jun-08-23	△▼ Store Fronts and Glazing
Overhead Piping/ Sprinklers	5 Jun-09-23	Jun-15-23	
Painting	5 Jun-16-23	Jun-22-23	
Ceilings	5 Jun-23-23	Jun-29-23	<b>△</b> ▼ Ceilings
Flooring	5 Jun-30-23	Jul-07-23	△▼ Flooring
Actual Work	220100		Liberty Flowentam School Day overious



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Activity N	ame	Original Start Duration	Finish	2023 2024 2025
	De ann and Handara		1-1-44-00	p Oct Nov Dec Jan F Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan F M Jun Jul Aug Sep Oct Nov Dec Jan F M Jul Aug Sep Oc
	Doors and Hardware	5 Jul-10-23	Jul-14-23	Doors and Hardware
П	Classroom B.2	49 Aug-04-23	Oct-11-23	Classroom B.2
	Demolition	10 Aug-04-23	Aug-17-23	△▼ Demolition
	Abatement	7 Aug-18-23	Aug-28-23	△ Abatement
	Underground Utilites and Floor Patch	5 Aug-29-23	Sep-04-23	△▼ Underground Utilites and Floor Patch
	Store Fronts and Glazing	5 Aug-29-23	Sep-04-23	△▼ Store Fronts and Glazing
	Metal Stud Framing	5 Sep-05-23	Sep-11-23	Metal Stud Framing      Metal Stud Framing
	In-Wall Electrical Rough-Ins	5 Sep-05-23	Sep-11-23	Δ∇ In-Wall Electrical Rough-Ins
	Ductwork	5 Sep-05-23	Sep-11-23	<b>⊿</b> Ductwork
	Overhead Piping/ Sprinklers	5 Sep-12-23	Sep-18-23	Ø Overhead Piping/ Sprinklers
	Overhead Electrical and Technology	5 Sep-12-23	Sep-18-23	
	Drywall and Tape	5 Sep-19-23	Sep-25-23	Ø Drywall and Tape
	Painting	5 Sep-26-23	Oct-02-23	△ Painting
	Ceilings	3 Oct-03-23	Oct-05-23	. ☑ Ceilings
	Diffusers and Grilles	3 Oct-03-23	Oct-05-23	
	Light Fixtures	3 Oct-03-23	Oct-05-23	
	Casework and Millwork	4 Oct-06-23	Oct-11-23	
	Flooring	4 Oct-06-23	Oct-11-23	⊿ Flooring
	Doors and Hardware	4 Oct-06-23	Oct-11-23	☑ Doors and Hardware
	Restrooms B.2	24 Aug-18-23	Sep-20-23	Restrooms B.2
	Demolition	5 Aug-18-23	Aug-24-23	<b>△</b> ▼ Demolition
	Underground Utilities and Floor Patch	2 Aug-25-23	Aug-28-23	☑ Underground Utilities and Floor Patch
	Plumbing Rough-Ins	4 Aug-29-23	Sep-01-23	☑ Plumbing Rough-Ins
	Metal Stud Framing	2 Aug-29-23	Aug-30-23	☑ Metal Stud Framing
11-11-11	▼ Actual Work			

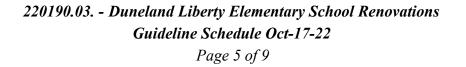


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Activity Na	ame	Original Start Duration	Finish	2023 2024 2025
	Drawell and Tana		Son 06 02	p Oct Nov Dec Jan F Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan F Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan F Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan F Mar Apr M Jun Jul
	Drywall and Tape	5 Aug-31-23	Sep-06-23	Zy Drywaii and rape
	Tile	4 Sep-07-23	Sep-12-23	⊿⊽ Tile
	Painting	2 Sep-13-23	Sep-14-23	
	Plumbing Fixtures	2 Sep-15-23	Sep-18-23	
	Toilet Partitions	2 Sep-19-23	Sep-20-23	☑ Toilet Partitions
	Toilet Accessories	2 Sep-19-23	Sep-20-23	☑ Toilet Accessories
	Classroom B.3	49 Oct-12-23	Dec-19-23	Classroom B.3
	Demolition	10 Oct-12-23	Oct-25-23	△▼ Demolition
	Abatement	7 Oct-26-23	Nov-03-23	△ Abatement
	Underground Utilites and Floor Patch	5 Nov-06-23	Nov-10-23	☑ Underground Utilites and Floor Patch
	Store Fronts and Glazing	5 Nov-06-23	Nov-10-23	
	Metal Stud Framing	5 Nov-13-23	Nov-17-23	
	In-Wall Electrical Rough-Ins	5 Nov-13-23	Nov-17-23	☑ In-Wall Electrical Rough-Ins
	Ductwork	5 Nov-13-23	Nov-17-23	. Duċtwork
	Overhead Piping/Sprinklers	5 Nov-20-23	Nov-24-23	Ø Overhead Piping/Sprinklers
	Overhead Electrical and Technology	5 Nov-20-23	Nov-24-23	Ø Overhead Electrical and Technology
	Drywall and Tape	5 Nov-27-23	Dec-01-23	△ Drywall and Tape
	Painting	5 Dec-04-23	Dec-08-23	
	Ceilings	3 Dec-11-23	Dec-13-23	☑ Ceilíngs
	Light Fixtures	3 Dec-11-23	Dec-13-23	☑ Light Fixtures
	Diffusers and Grilles	3 Dec-11-23	Dec-13-23	☑ Diffusers and Grilles
	Casework and Millwork	4 Dec-14-23	Dec-19-23	☑ Casework and Millwork
	Flooring	4 Dec-14-23	Dec-19-23	△▼ Flooring







vity Name	Original Start Finish Duration	2023	2024 2025  Oct   Nov   Dec   Jan   Feb   Mar   Apr   M   Jun   Jul   Aug   Sep   Oct   Nov   Dec   Jan   F   Mar   Apr   M   Jun   Ju
Doors and Hardware	4 Dec-14-23 Dec-19-23	P Oct 1404 Dec Joan P Iviai Apr Ivi Jun Jun Aug Sep C	Doors and Hardware
Classroom B.4	49 Jan-02-24 Mar-08-24		<u></u>
Demolition	10 Jan-02-24 Jan-15-24		Classroom B.4  Demolition
Abatement	7 Jan-16-24 Jan-24-24		⊿v Abatement
Underground Utilites and Floor Patch	5 Jan-25-24 Jan-31-24		
Store Fronts and Glazing	5 Jan-25-24 Jan-31-24		
Metal Stud Framing	5 Feb-01-24 Feb-07-24		
In-Wall Electrical Rough-Ins	5 Feb-01-24 Feb-07-24		In-Wall Electrical Rough-Ins
Ductwork	5 Feb-01-24 Feb-07-24		<b>△</b> Ductwork
Overhead Piping/ Sprinklers	5 Feb-08-24 Feb-14-24		
Overhead Electrical and Technology	5 Feb-08-24 Feb-14-24		
Drywall and Tape	5 Feb-15-24 Feb-21-24		<b>△</b> Drywall and Tape
Painting	5 Feb-22-24 Feb-28-24		
Ceilings	3 Feb-29-24 Mar-04-24		
Diffusers and Grilles	3 Feb-29-24 Mar-04-24		
Light Fixtures	3 Feb-29-24 Mar-04-24		☑ Light Fixtures
Casework and Millwork	4 Mar-05-24 Mar-08-24		☑ Casework and Millwork
Flooring	4 Mar-05-24 Mar-08-24		
Doors and Hardware	4 Mar-05-24 Mar-08-24		☑ Doors and Hardware
Restrooms B.4	28 Jan-16-24 Feb-22-24		Postroppo P.4
Demolition	5 Jan-16-24 Jan-22-24		Restrooms B.4  Demolition
Underground Utilities and Floor Patch	2 Jan-23-24 Jan-24-24		☑ Underground Utilities and Floor Patch
Plumbing Rough-Ins	4 Jan-25-24 Jan-30-24		
Metal Stud Framing	2 Jan-31-24 Feb-01-24		☑ Metal Stud Framing
Actual Work	220190.03 Dunelan	Liberty Elementary School Renovations	
Remaining Work	Guide	line Schedule Oct-17-22	SKILLMAN

Actual Work

Remaining Work

Critical Remaining Work

Milestone

Summary

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Activity Na	me	Original Start Duration	Finish	202		2025
				p Oct Nov Dec Jan F Mar Apr M Jun	Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan F	Mar Apr M Jun Jul
	Drywall and Tape	5 Feb-02-24	Feb-08-24			
	Tile	4 Feb-09-24	Feb-14-24		∆⊽ Tile	
	Painting	2 Feb-15-24	Feb-16-24			
	Plumbing Fixtures	2 Feb-19-24	Feb-20-24			
Ш	Toilet Partitions	2 Feb-21-24	Feb-22-24		☑ Toilet Partitions	
Ш	Toilet Accessories	2 Feb-21-24	Feb-22-24		▼ Toilet Accessories	
	Classroom A.2	49 Mar-11-24	May-16-24		Classroom A 2	
	Demolition	10 Mar-11-24	Mar-22-24		△▼ Demolition	
	Abatement	7 Mar-25-24	Apr-02-24		△ Abatement	
	Underground Utilites and Floor Patch	5 Apr-03-24	Apr-09-24			ר ו ו ו ו ו ו ו ו ו ו ו ו ו ו ו ו ו ו ו
	Store Fronts and Glazing	5 Apr-03-24	Apr-09-24			
	Metal Stud Framing	5 Apr-10-24	Apr-16-24			
	In-Wall Electrical Rough-Ins	5 Apr-10-24	Apr-16-24			
	Ductwork	5 Apr-10-24	Apr-16-24		<b>△</b> ▼ Ductwork	
	Overhead Piping/ Sprinklers	5 Apr-17-24	Apr-23-24			
	Overhead Electrical and Technology	5 Apr-17-24	Apr-23-24			)y
	Drywall and Tape	5 Apr-24-24			△▼ Drywall and Tape	
	Painting	5 May-01-24	_		<b>∆</b> ⊽ Painting	
	Ceilings	3 May-08-24				
	Diffusers and Grilles	3 May-08-24	May-10-24			
	Light Fixtures	3 May-08-24	May-10-24			
	Casework and Millwork	4 May-13-24	May-16-24			
	Flooring	4 May-13-24	May-16-24			



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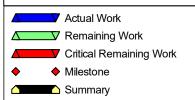
Activity N	ame	Original Start Duration	Finish			2023				2024	2025
				p Oct Nov Dec	Jan F Mar Ap	r M Jun Jul	Aug Sep O	ct Nov Dec J			t Nov Dec Jan F Mar Apr M Jun Jul
	Doors and Hardware	4 May-13-24	May-16-24								/are
	Admin A.3	37 May-24-24	Jul-15-24							Admin A.3	
	Demolition	5 May-24-24	May-30-24							■ Demolition	
	Abatement	5 May-31-24	Jun-06-24							Abatement	
	Underground Utilites and Floor Patch	2 Jun-07-24	Jun-10-24							Underground	Jtilites and Floor Patch
	Store Fronts and Glazing	5 Jun-07-24	Jun-13-24								nd Glazing
	Metal Stud Framing	4 Jun-11-24	Jun-14-24							Metal Stud Fr	aming
	In-Wall Electrical Rough-Ins	4 Jun-11-24	Jun-14-24							In-Wall Electr	cal Rough-Ins
	Ductwork	4 Jun-11-24	Jun-14-24							Ductwork	
	Overhead Piping/ Sprinklers	5 Jun-17-24	Jun-21-24							Overhead Pi	oing/ Sprinklers
	Overhead Electrical and Technology	5 Jun-17-24	Jun-21-24							Overhead El	ectrical and Technology
	Drywall and Tape	5 Jun-24-24	Jun-28-24							Drywall and	Таре
	Painting	3 Jul-01-24	Jul-03-24							Painting	
	Ceilings	4 Jul-04-24	Jul-09-24							Ceilings	
	Diffusers and Grilles	4 Jul-04-24	Jul-09-24							Diffusers a	nd Grilles
	Light Fixtures	4 Jul-04-24	Jul-09-24							∆ Light Fixtur	es
	Casework and Millwork	4 Jul-10-24	Jul-15-24							Casework	and Millwork
	Flooring	4 Jul-10-24	Jul-15-24							Flooring	
	Doors and Hardware	4 Jul-10-24	Jul-15-24							Doors and	l Hardware
	Mechanical/Boiler Room and Mezzanine	48 May-24-24	Jul-30-24					<b>N</b>	lechanical/Ro	oiler Room and Mezz	anine
	Boiler Room	48 May-24-24	Jul-30-24							Boiler Room	
	Demolition	5 May-24-24	May-30-24							Demolition	
	Piping Rough Ins	10 May-31-24	Jun-13-24							Piping Rough	Ins
	Electrical Rough Ins	10 May-31-24	Jun-13-24							Electrical Rou	gh Ins
	Actual Work  V Remaining Work	220190.0	3 Duneland 1	=	-	Renovations					
	▼ Remaining Work  ▼ Critical Remaining Work		Guideli	ne Schedule O						SKILLMAN	

Milestone △ Summary

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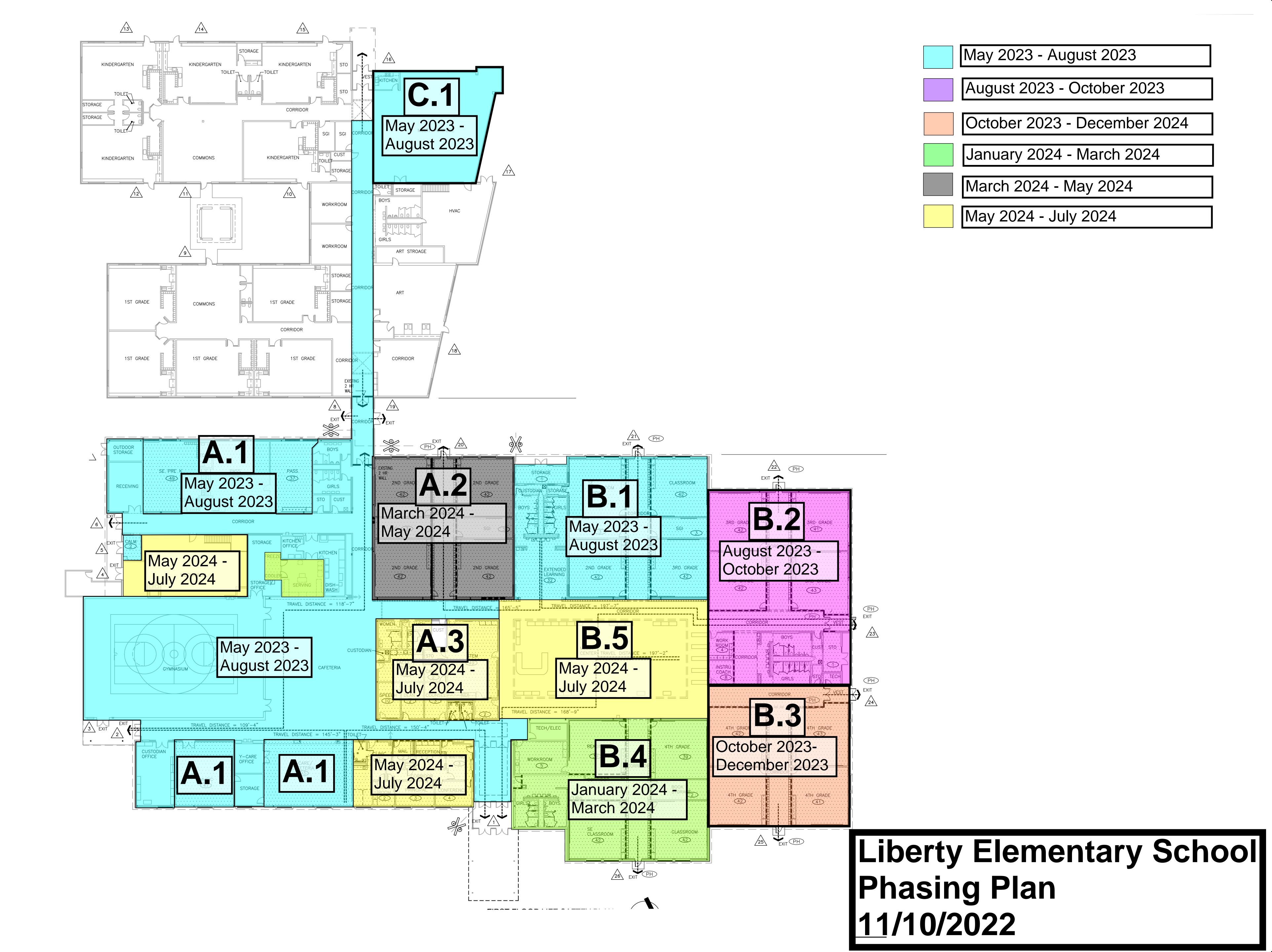


Activity Na	ime	Original Start Duration	Finish		2023	2024 2025
				p Oct Nov Dec Jan F	Mar Apr M Jun Jul Aug Sep Oct Nov	v Dec Jan Feb Mar Apr M Jun Jul Aug Sep Oct Nov Dec Jan F Mar Apr M Jun Jul
	Concrete Pads	5 Jun-14-24	Jun-20-24			✓ Concrete Pads
	Set Mechanical Equipment	5 Jun-21-24	Jun-27-24			
	Final Electrical Connections	10 Jun-28-24	Jul-11-24			Final Electrical Connections
Ш	Final Piping Connections	10 Jun-28-24	Jul-11-24			△▼ Final Piping Connections
Ш	Temperature Controls	13 Jul-12-24	Jul-30-24			Temperature Controls
Ш	Insulation	5 Jul-12-24	Jul-18-24			⊿⊽ Insulation
	Final Testing and Start Up	5 Jul-19-24	Jul-25-24			
	Chiller Replacement	48 May-24-24	Jul-30-24			Chiller Replacement
	Demolition	5 May-24-24	May-30-24			
	Paint Chiller Support	10 May-31-24	Jun-13-24			Paint Chiller Support
Ш	Set Chiller	3 Jun-14-24	Jun-18-24			✓ Set Chiller
	Piping Final Connection and Insulation	10 Jun-19-24	Jul-02-24			Piping Final Connection and Insulation
Ш	Electrical Final Connections	10 Jun-19-24	Jul-02-24			Electrical Final Connections
	Temperature Controls	20 Jul-03-24	Jul-30-24			Temperature Controls
	Final Testing and Start Up	5 Jul-03-24	Jul-09-24			
Ш	Air Handling Unit Replacement	43 May-31-24	Jul-30-24			Air Handling Unit Replacement
Ш	Demolition	5 May-31-24	Jun-06-24			✓ Demolition
	Concrete Pads	5 Jun-07-24	Jun-13-24			Concrete Pads
	Set Air Handling Unit	3 Jun-14-24	Jun-18-24			✓ Set Air Handling Unit
	Piping Final Connection and Insulation	10 Jun-19-24	Jul-02-24			Piping Final Connection and Insulation
	Electrical Final Connections	10 Jun-19-24	Jul-02-24			Electrical Final Connections
	Temperature Controls	20 Jul-03-24	Jul-30-24			Temperature Controls
	Final Testing and Start Up	5 Jul-03-24	Jul-09-24			
	, i					



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#### **ADDENDUM THREE**

**Addendum Three (AD.03)** to the drawings and specifications prepared by Gibraltar Design for **Liberty Elementary School Renovations** for Duneland School Corporation, Chesterton, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum, Addendum One and Addendum Two, and include the appropriate content of same within their bid proposal.

#### **SPECIFICATIONS**

- 1. Specification Section 04 20 00 Unit Masonry
  - A. Delete Paragraph 2.6 A.1 in its entirety.
- 2. Specification Section 09 65 13 Resilient Flooring
  - A. Revise Paragraph 2.2 B.1 to read as follows:
    - "1. Wear Layer Thickness: Tarkett, 32 mils and Mannington, 40 mils."
- 3. Specification Section 10 11 00 Markerboards & Corkboards
  - A. Claridge Aspire Marker/Projection Boards is hereby approved to bid Markerboards and Projectable Markerboards for this project. All requirements of the Drawings and Specifications shall be met, including the color selections.
- 4. Specification Section 10 73 16 Canopies
  - A. JAG Metal Solutions is hereby approved to bid Canopies for this project. All requirements of the Drawings and Specifications shall be met, including the color selections.
- 5. Specification Section 11 40 00 Foodservice Equipment
  - A. Add Specification Section 11 40 00 Foodservice Equipment, included in this Addendum, to the Construction Documents.
- 6. Specification Section 23 05 00 Mechanical Materials and Methods
  - A. Delete Paragraph 2.06.F (and all subparagraphs) in its entirety.
- 7. Specification Section 32 12 16 Asphaltic Concrete Paving
  - A. Add Specification Section 32 12 16, Asphaltic Concrete Paving, included in this Addendum, to the Construction Documents.
- 8. Specification Section 32 17 23 Roadway and Paving Marking
  - A. Add Specification Section 32 17 23, Roadway and Paving Marking, included in this Addendum, to the Construction Documents.



#### **DRAWINGS**

#### 9. Sheet G-102

A. Refer to revised full size drawings, included in this Addendum, for revised Sheet Index.

#### 10. Sheet S-402

A. Refer to revised full size drawing, included in this Addendum, for notes added to clarify Detail 10/S-402.

#### 11. Sheet AD101

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Added and revised Demolition Plan Notes.
  - 2. Added demolition at bulkhead between Cafeteria A-120 and Serving A-125.
  - 3. Clarification of casework demolition at General Office A-106 and Music, A-116.
  - 4. Demolition of existing finishes at Corridor B-129.

#### 12. Sheet AD102

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Added and revised Demolition Plan Notes.
  - 2. Demolition of existing finishes at Media Center B-123

#### 13. Sheet A-100

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Added Architectural Paving Plan.

#### 14. Sheet A-101

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Added note 38 to Plan Notes.
  - 2. Update overhead bulkhead lines and add coiling overhead grill track and support at the south wall of Serving A-128.

#### 15. Sheet A-201

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Added new rooftop mechanical equipment and associated notes.

#### 16. Sheet A-501

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Added detail 7/A-501 Overhead Coiling Grille.

#### 17. Sheet A-610

A. Refer to revised full size drawings, included in this Addendum, for the following revisions:



- 1. Add additional section cuts to Aluminum Window Elevation W1.
- 2. Revise titles of Detail 8 and 9/A-610.
- 3. Add Details 10 and 11/A-610 for windows in existing wall construction without new wall furring.

#### 18. Sheet A-730

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Casework elevation cabinet model adjustment.

#### 19. Sheets A-801 and A-802

- A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Note plan finish changes.

#### 20. Sheet A-820

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - 1. Note change in Carpet C4.

#### 21. Sheet A-860

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Note addition of wall tile pattern elevations.

#### 22. Sheet A-901

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Add Reflected Ceiling Plan Notes 21 and 22.
  - 2. Add new bulkheads between Cafeteria A-117 and Serving A-128.
  - 3. Add new ceilings to corridor north of Restrooms A-134 and A-135.

#### 23. Sheet A-902

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Add Reflected Ceiling Plan Notes 21 and 22.
  - 2. Add new ceilings to Media Center B-107 and surrounding Corridors.

#### 24. Sheet K-100

A. Refer to revised full size drawing, included in this Addendum, for revisions.

#### 25. Sheet P-001

- A. Refer to revised full size drawing, included in this Addendum, for revisions.
  - 1. Add FS-1 to Plumbing Fixture Schedule.

#### 26. Sheet P-101

- A. Refer to revised full size drawing, included in this Addendum, for revisions.
  - 1. Add sanitary line in Kitchen A-130.



#### 27. Sheet P-111

- A. Refer to revised full size drawing, included in this Addendum, for revisions.
  - 1. Add FS-1 in Kitchen A-130.

#### 28. Sheet MV-101

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - 1. Revised exhaust ductwork in Storage A-126.
  - 2. Added VRF system to Kitchen A-130.

#### 29. Sheet MP-101

A. Refer to revised full size drawing, included in this Addendum, for VRF system added to Kitchen A-130.

#### 30. Sheet M-201

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - 1. Added exhaust fan rebalance notes.
  - 2. Added roof mounted condensing unit and refrigerant piping.

#### 31. Sheet M-202

A. Refer to revised full size drawing, included in this Addendum, for Added exhaust fan rebalance notes.

#### 32. Sheet M-501

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - 1. Added VRF Diagram.
  - 2. Added VRF Schedule.
  - 3. Added VRF Condensing unit to Mechanical Equipment Schedule.

#### 33. Sheet M-601

A. Refer to revised full size drawing, included in this Addendum, for added hot water piping diagram.

#### 34. Sheet E-001

A. Refer to revised full size drawing, included in this Addendum, for added TV symbol.

#### 35. Sheets ED101 and ED102

A. Refer to two (2) revised full size drawings, included in this Addendum, for existing lighting demolition revised in Media Center.

#### 36. Sheets EL101 and EL102

A. Refer to two (2) revised full size drawings, included in this Addendum, for existing lighting replaced in Media Center.

#### 37. Sheets EP101 and EP102

A. Refer to two (2) revised full size drawings, included in this Addendum, for added Kitchen scope "Alternate Bid".

#### 38. Sheet E-201

A. Refer to revised full size drawing, included in this Addendum, for condensing unit added to floor plan.



#### 39. Sheet E-602

A. Refer to revised full size drawing, included in this Addendum, for revised Mechanical Connection Schedule.

#### 40. Sheet E-603

A. Refer to revised full size drawing, included in this Addendum, for added Kitchen Equipment Schedule.

#### 41. Sheet E-604

A. Refer to revised full size drawing, included in this Addendum, for revised one-line diagram for emergency power.

#### 42. Sheet T001

A. Replace this sheet with the one being issued in this Addendum.

#### 43. Sheet T101

- A. Refer to revised full size drawing, included in this Addendum, for revisions.
  - 1. Change local input outlet to data outlet location in kitchen office A-129.
  - 2. Change local input outlet to data outlet location in Storage / Office A-126.
  - 3. Remove POS location and relocate other to wall in Serving A-128.

Pages 1 through 5, inclusive, Specification Sections 11 40 00, 32 12 16, and 32 17 23; and Thirty-nine (39) Full-Size Drawings, constitutes the total makeup of **Addendum Three**.



De J. May

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PROJECT

LIBERTY
ELEMENTARY
SCHOOL RENOVATIONS

DUNELAND SCHOOL CORPORATION CHESTERTON, INDIANA

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PROJECT
21-137
DATE
10/17/22

COORDINATED BY MMM

DRAWN BY

CJA

CHECKED BY
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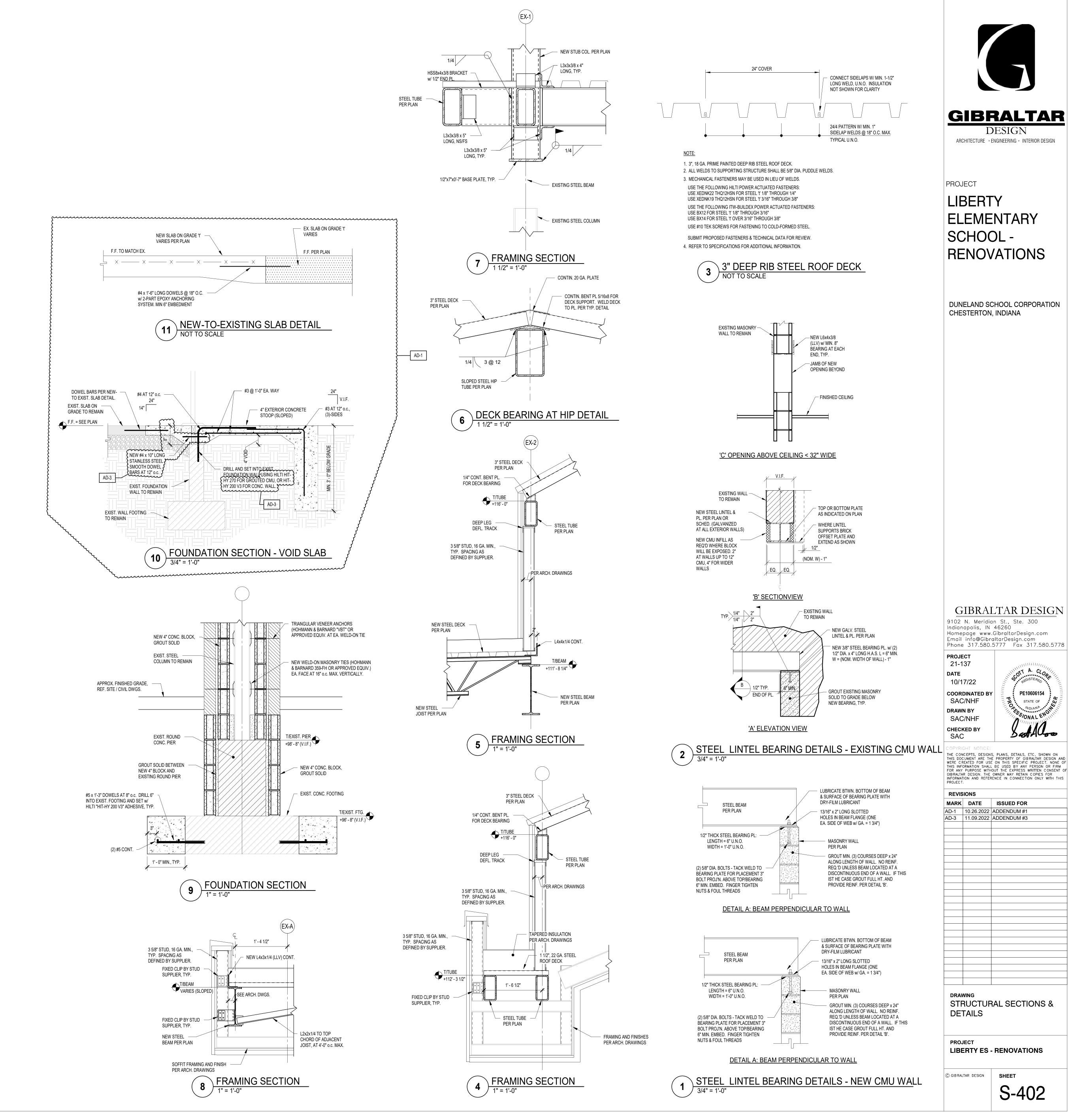
AD-3 11/09/22 ADDENDUM NO. 3

SHEET INDEX

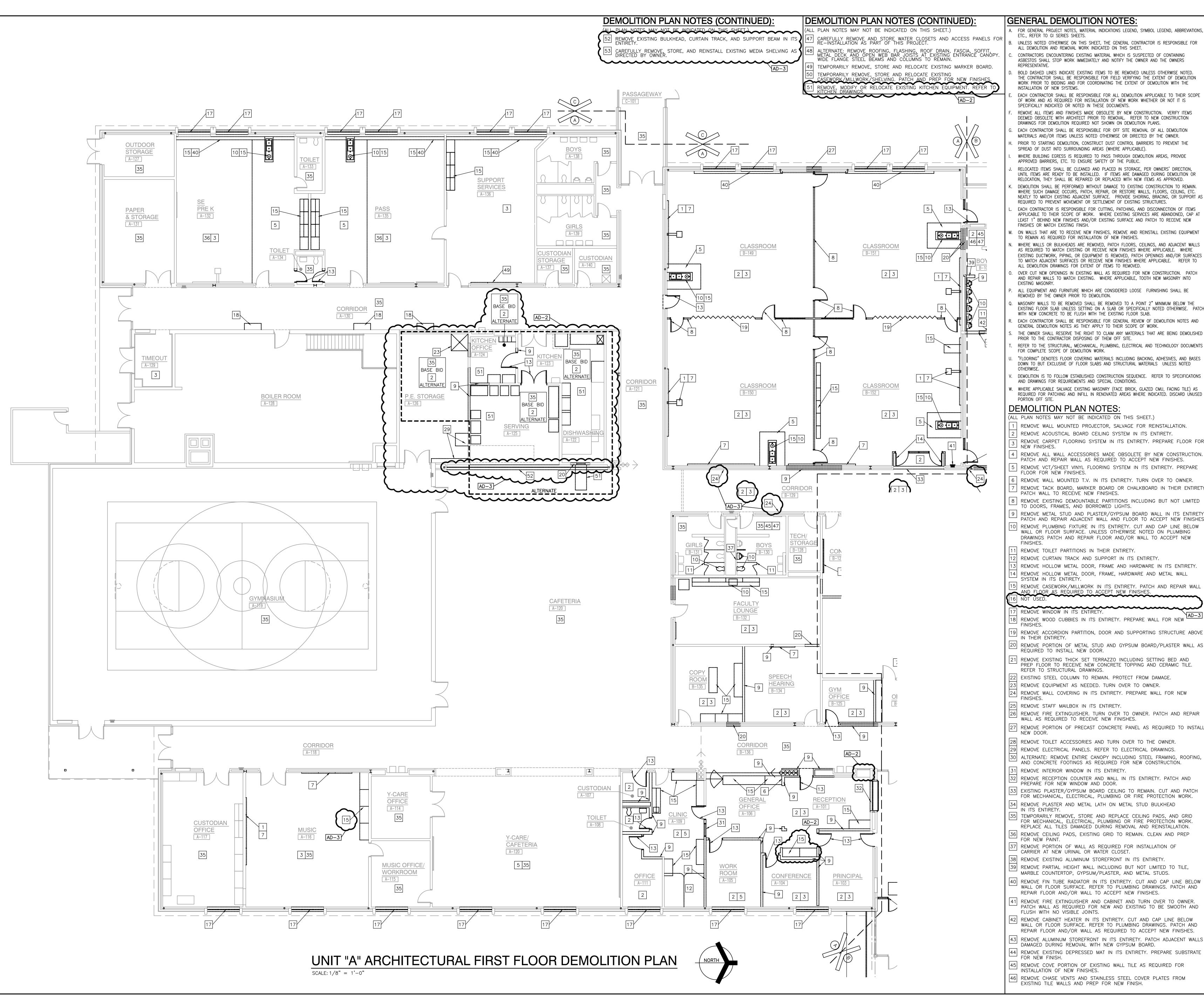
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MARK	DATE	ISSUED FOR
AD-1	10.26.2022	ADDENDUM #1
AD-3	11.09.2022	ADDENDUM #3



**GENERAL DEMOLITION NOTES:** 

- FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.
  - UNLESS NOTED OTHERWISE ON THIS SHEET, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL WORK INDICATED ON THIS SHEET. CONTRACTORS ENCOUNTERING EXISTING MATERIAL WHICH IS SUSPECTED OF CONTAINING
  - ASBESTOS SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND THE OWNERS REPRESENTATIVE. BOLD DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXTENT OF DEMOLITION
  - WORK PRIOR TO BIDDING AND FOR COORDINATING THE EXTENT OF DEMOLITION WITH THE INSTALLATION OF NEW SYSTEMS.
  - EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION APPLICABLE TO THEIR SCOPE OF WORK AND AS REQUIRED FOR INSTALLATION OF NEW WORK WHETHER OR NOT IT IS SPECIFICALLY INDICATED OR NOTED IN THESE DOCUMENTS. REMOVE ALL ITEMS AND FINISHES MADE OBSOLETE BY NEW CONSTRUCTION. VERIFY ITEMS
  - DEEMED OBSOLETE WITH ARCHITECT PRIOR TO REMOVAL. REFER TO NEW CONSTRUCTION DRAWINGS FOR DEMOLITION REQUIRED NOT SHOWN ON DEMOLITION PLANS.
  - EACH CONTRACTOR SHALL BE RESPONSIBLE FOR OFF SITE REMOVAL OF ALL DEMOLITION MATERIALS AND/OR ITEMS UNLESS NOTED OTHERWISE OR DIRECTED BY THE OWNER. PRIOR TO STARTING DEMOLITION, CONSTRUCT DUST CONTROL BARRIERS TO PREVENT THE
  - SPREAD OF DUST INTO SURROUNDING AREAS (WHERE APPLICABLE). WHERE BUILDING EGRESS IS REQUIRED TO PASS THROUGH DEMOLITION AREAS, PROVIDE APPROVED BARRIERS, ETC. TO ENSURE SAFETY OF THE PUBLIC.
  - RELOCATED ITEMS SHALL BE CLEANED AND PLACED IN STORAGE, PER OWNERS' DIRECTION, UNTIL ITEMS ARE READY TO BE INSTALLED. IF ITEMS ARE DAMAGED DURING DEMOLITION OR RELOCATION, THEY SHALL BE REPAIRED OR REPLACED WITH NEW ITEMS AS APPROVED. DEMOLITION SHALL BE PERFORMED WITHOUT DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. WHERE SUCH DAMAGE OCCURS, PATCH, REPAIR, OR RESTORE WALLS, FLOORS, CEILING, ETC. NEATLY TO MATCH EXISTING ADJACENT SURFACE. PROVIDE SHORING, BRACING, OR SUPPORT AS
  - EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, PATCHING, AND DISCONNECTION OF ITEMS APPLICABLE TO THEIR SCOPE OF WORK. WHERE EXISTING SERVICES ARE ABANDONED, CAP AT LEAST 1" BEHIND NEW FINISHES AND/OR EXISTING SURFACE AND PATCH TO RECEIVE NEW FINISHES OR MATCH EXISTING FINISH.
  - ON WALLS THAT ARE TO RECEIVE NEW FINISHES, REMOVE AND REINSTALL EXISTING EQUIPMENT TO REMAIN AS REQUIRED FOR INSTALLATION OF NEW FINISHES. WHERE WALLS OR BULKHEADS ARE REMOVED, PATCH FLOORS, CEILINGS, AND ADJACENT WALLS AS REQUIRED TO MATCH EXISTING OR RECEIVE NEW FINISHES WHERE APPLICABLE. WHERE EXISTING DUCTWORK, PIPING, OR EQUIPMENT IS REMOVED, PATCH OPENINGS AND/OR SURFACES TO MATCH ADJACENT SURFACES OR RECEIVE NEW FINISHES WHERE APPLICABLE. REFER TO
  - OVER CUT NEW OPENINGS IN EXISTING WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR WALLS TO MATCH EXISTING. WHERE APPLICABLE, TOOTH NEW MASONRY INTO ALL EQUIPMENT AND FURNITURE WHICH ARE CONSIDERED LOOSE FURNISHING SHALL BE
  - REMOVED BY THE OWNER PRIOR TO DEMOLITION. MASONRY WALLS TO BE REMOVED SHALL BE REMOVED TO A POINT 2" MINIMUM BELOW THE EXISTING FLOOR SLAB UNLESS SETTING ON A SLAB OR SPECIFICALLY NOTED OTHERWISE. PATCH WITH NEW CONCRETE TO BE FLUSH WITH THE EXISTING FLOOR SLAB. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL REVIEW OF DEMOLITION NOTES AND
  - PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE. REFER TO THE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND TECHNOLOGY DOCUMENTS FOR COMPLETE SCOPE OF DEMOLITION WORK.
  - "FLOORING" DENOTES FLOOR COVERING MATERIALS INCLUDING BACKING, ADHESIVES, AND BASES DOWN TO BUT EXCLUSIVE OF FLOOR SLABS AND STRUCTURAL MATERIALS UNLESS NOTED
  - DEMOLITION IS TO FOLLOW ESTABLISHED CONSTRUCTION SEQUENCE. REFER TO SPECIFICATIONS AND DRAWINGS FOR REQUIREMENTS AND SPECIAL CONDITIONS.
  - WHERE APPLICABLE SALVAGE EXISTING MASONRY (FACE BRICK, GLAZED CMU, FACING TILE) AS REQUIRED FOR PATCHING AND INFILL IN RENOVATED AREAS WHERE INDICATED. DISCARD UNUSED

#### **DEMOLITION PLAN NOTES:** (ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- REMOVE WALL MOUNTED PROJECTOR, SALVAGE FOR REINSTALLATION.
- REMOVE ACOUSTICAL BOARD CEILING SYSTEM IN ITS ENTIRETY. REMOVE CARPET FLOORING SYSTEM IN ITS ENTIRETY. PREPARE FLOOR FOR ン NEW FINISHES.
- 4 REMOVE ALL WALL ACCESSORIES MADE OBSOLETE BY NEW CONSTRUCTION. PATCH AND REPAIR WALL AS REQUIRED TO ACCEPT NEW FINISHES.
- REMOVE VCT/SHEET VINYL FLOORING SYSTEM IN ITS ENTIRETY. PREPARE FLOOR FOR NEW FINISHES. 6 REMOVE WALL MOUNTED T.V. IN ITS ENTIRETY. TURN OVER TO OWNER.
- REMOVE TACK BOARD, MARKER BOARD OR CHALKBOARD IN THEIR ENTIRETY PATCH WALL TO RECEIVE NEW FINISHES.
- 8 REMOVE EXISTING DEMOUNTABLE PARTITIONS INCLUDING BUT NOT LIMITED TO DOORS, FRAMES, AND BORROWED LIGHTS.
- 9 REMOVE METAL STUD AND PLASTER/GYPSUM BOARD WALL IN ITS ENTIRET PATCH AND REPAIR ADJACENT WALL AND FLOOR TO ACCEPT NEW FINISHES. REMOVE PLUMBING FIXTURE IN ITS ENTIRETY. CUT AND CAP LINE BELOW WALL OR FLOOR SURFACE. UNLESS OTHERWISE NOTED ON PLUMBING DRAWINGS PATCH AND REPAIR FLOOR AND/OR WALL TO ACCEPT NEW
- 1 REMOVE TOILET PARTITIONS IN THEIR ENTIRETY.
- REMOVE CURTAIN TRACK AND SUPPORT IN ITS ENTIRETY
- REMOVE HOLLOW METAL DOOR, FRAME AND HARDWARE IN ITS ENTIRETY. 14 REMOVE HOLLOW METAL DOOR, FRAME, HARDWARE AND METAL WALL SYSTEM IN ITS ENTIRETY.
- REMOVE CASEWORK/MILLWORK IN ITS ENTIRETY. PATCH AND REPAIR WALL AND FLOOR AS REQUIRED TO ACCEPT NEW FINISHES

REMOVE WINDOW IN ITS ENTIRETY.

- 18 REMOVE WOOD CUBBIES IN ITS ENTIRETY. PREPARE WALL FOR NEW finishes. 19 REMOVE ACCORDION PARTITION, DOOR AND SUPPORTING STRUCTURE ABOVE
- $^{\mathsf{J}}$  IN THEIR ENTIRETY. PI REMOVE PORTION OF METAL STUD AND GYPSUM BOARD/PLASTER WALL AS REQUIRED TO INSTALL NEW DOOR.
- 1 REMOVE EXISTING THICK SET TERRAZZO INCLUDING SETTING BED AND PREP FLOOR TO RECEIVE NEW CONCRETE TOPPING AND CERAMIC TILE. REFER TO STRUCTURAL DRAWINGS.
- $\mathbb{R}^2$  EXISTING STEEL COLUMN TO REMAIN. PROTECT FROM DAMAGE. 23 REMOVE EQUIPMENT AS NEEDED. TURN OVER TO OWNER.
- 24 REMOVE WALL COVERING IN ITS ENTIRETY. PREPARE WALL FOR NEW
- 26 REMOVE FIRE EXTINGUISHER. TURN OVER TO OWNER. PATCH AND REPAIR WALL AS REQUIRED TO RECEIVE NEW FINISHES.
- 7 REMOVE PORTION OF PRECAST CONCRETE PANEL AS REQUIRED TO INSTALL NEW DOOR.
- 28 REMOVE TOILET ACCESSORIES AND TURN OVER TO THE OWNER. 29 REMOVE ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS.
- 1 REMOVE INTERIOR WINDOW IN ITS ENTIRETY. 2 REMOVE RECEPTION COUNTER AND WALL IN ITS ENTIRETY. PATCH AND PREPARE FOR NEW WINDOW AND DOOR.
- 3| EXISTING PLASTER/GYPSUM BOARD CEILING TO REMAIN. CUT AND PATCH FOR MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION WORK. 34 REMOVE PLASTER AND METAL LATH ON METAL STUD BULKHEAD
- FOR MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION WORK. REPLACE ALL TILES DAMAGED DURING REMOVAL AND REINSTALLATION. 36 REMOVE CEILING PADS, EXISTING GRID TO REMAIN. CLEAN AND PREP
- FOR NEW PAINT. REMOVE PORTION OF WALL AS REQUIRED FOR INSTALLATION OF CARRIER AT NEW URINAL OR WATER CLOSET.
- 38 REMOVE EXISTING ALUMINUM STOREFRONT IN ITS ENTIRETY. 9 REMOVE PARTIAL HEIGHT WALL INCLUDING BUT NOT LIMITED TO TILE, MARBLE COUNTERTOP, GYPSUM/PLASTER, AND METAL STUDS.
- WALL OR FLOOR SURFACE. REFER TO PLUMBING DRAWINGS. PATCH AND REPAIR FLOOR AND/OR WALL TO ACCEPT NEW FINISHES.
- 41 REMOVE FIRE EXTINGUISHER AND CABINET AND TURN OVER TO OWNER. PATCH WALL AS REQUIRED FOR NEW AND EXISTING TO BE SMOOTH AND FLUSH WITH NO VISIBLE JOINTS.
- -2 REMOVE CABINET HEATER IN ITS ENTIRETY. CUT AND CAP LINE BELOW WALL OR FLOOR SURFACE. REFER TO PLUMBING DRAWINGS. PATCH AND REPAIR FLOOR AND/OR WALL AS REQUIRED TO ACCEPT NEW FINISHES.
- 43 REMOVE ALUMINUM STOREFRONT IN ITS ENTIRETY. PATCH ADJACENT WALLS DAMAGED DURING REMOVAL WITH NEW GYPSUM BOARD. 44 REMOVE EXISTING DEPRESSED MAT IN ITS ENTIRETY. PREPARE SUBSTRATE
- TOR NEW FINISH. 45 REMOVE COVE PORTION OF EXISTING WALL TILE AS REQUIRED FOR ' INSTALLATION OF NEW FINISHES.



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DUNELAND SCHOOL CORPORATION

SCHOOL -

CHESTERTON, INDIANA

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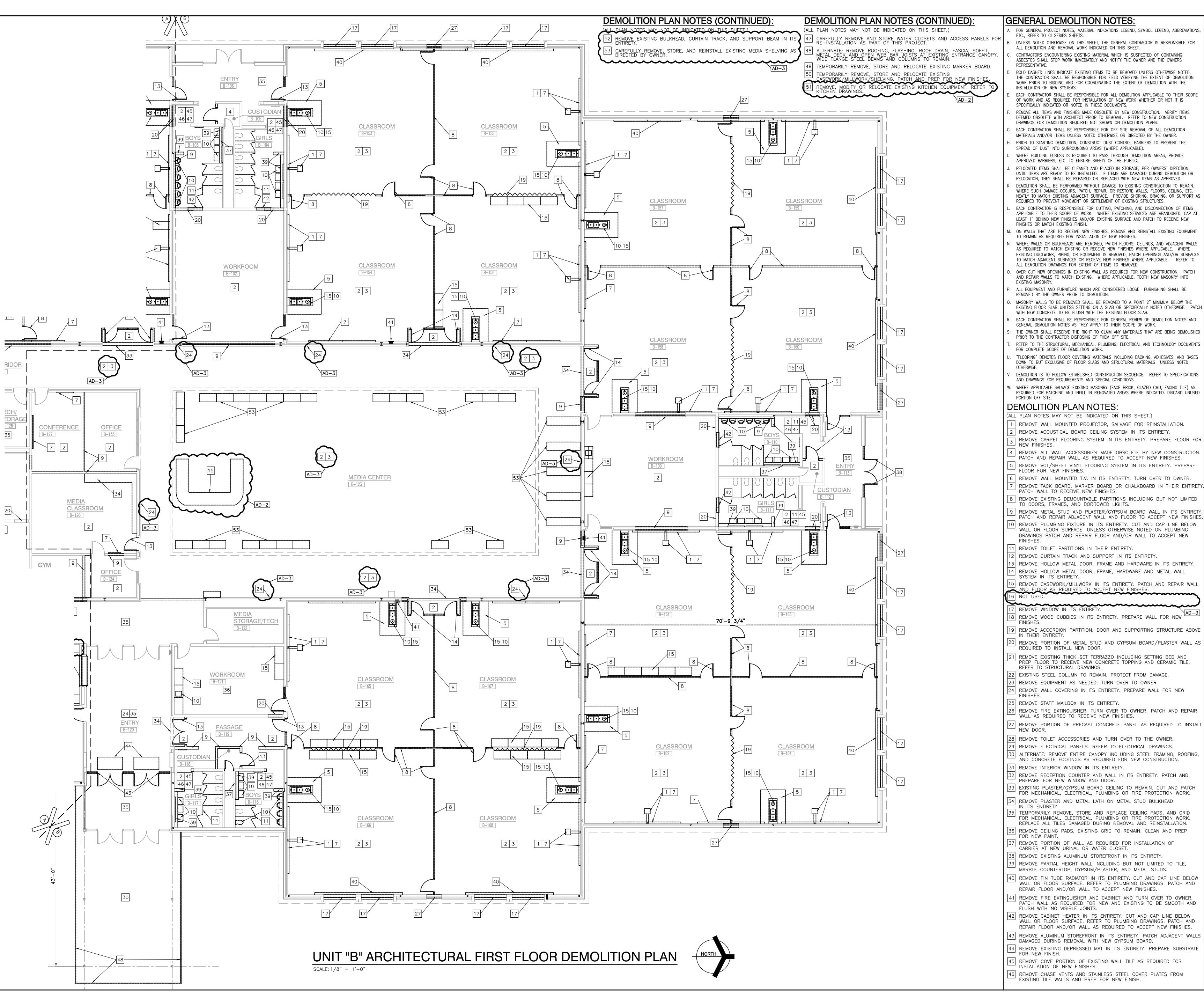
	MARK	DATE	ISSUED FOR
-	AD-2	11/02/22	ADDENDUM NO. 2
	AD-3	11/09/22	ADDENDUM NO. 3
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UNIT "A" ARCHITECTURAL FIRST FLOOR DEMOLITION

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**AD101** 



**GENERAL DEMOLITION NOTES:** 

- FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.
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  - BOLD DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXTENT OF DEMOLITION WORK PRIOR TO BIDDING AND FOR COORDINATING THE EXTENT OF DEMOLITION WITH THE
  - INSTALLATION OF NEW SYSTEMS. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION APPLICABLE TO THEIR SCOPE OF WORK AND AS REQUIRED FOR INSTALLATION OF NEW WORK WHETHER OR NOT IT IS
  - SPECIFICALLY INDICATED OR NOTED IN THESE DOCUMENTS. REMOVE ALL ITEMS AND FINISHES MADE OBSOLETE BY NEW CONSTRUCTION. VERIFY ITEMS DEEMED OBSOLETE WITH ARCHITECT PRIOR TO REMOVAL. REFER TO NEW CONSTRUCTION
  - DRAWINGS FOR DEMOLITION REQUIRED NOT SHOWN ON DEMOLITION PLANS. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR OFF SITE REMOVAL OF ALL DEMOLITION
  - MATERIALS AND/OR ITEMS UNLESS NOTED OTHERWISE OR DIRECTED BY THE OWNER. PRIOR TO STARTING DEMOLITION, CONSTRUCT DUST CONTROL BARRIERS TO PREVENT THE SPREAD OF DUST INTO SURROUNDING AREAS (WHERE APPLICABLE).
  - WHERE BUILDING EGRESS IS REQUIRED TO PASS THROUGH DEMOLITION AREAS, PROVIDE APPROVED BARRIERS, ETC. TO ENSURE SAFETY OF THE PUBLIC.
  - RELOCATED ITEMS SHALL BE CLEANED AND PLACED IN STORAGE, PER OWNERS' DIRECTION, UNTIL ITEMS ARE READY TO BE INSTALLED. IF ITEMS ARE DAMAGED DURING DEMOLITION OR RELOCATION, THEY SHALL BE REPAIRED OR REPLACED WITH NEW ITEMS AS APPROVED. DEMOLITION SHALL BE PERFORMED WITHOUT DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. WHERE SUCH DAMAGE OCCURS, PATCH, REPAIR, OR RESTORE WALLS, FLOORS, CEILING, ETC.
  - REQUIRED TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING STRUCTURES. EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, PATCHING, AND DISCONNECTION OF ITEMS APPLICABLE TO THEIR SCOPE OF WORK. WHERE EXISTING SERVICES ARE ABANDONED, CAP AT LEAST 1" BEHIND NEW FINISHES AND/OR EXISTING SURFACE AND PATCH TO RECEIVE NEW FINISHES OR MATCH EXISTING FINISH.
  - ON WALLS THAT ARE TO RECEIVE NEW FINISHES, REMOVE AND REINSTALL EXISTING EQUIPMENT TO REMAIN AS REQUIRED FOR INSTALLATION OF NEW FINISHES. WHERE WALLS OR BULKHEADS ARE REMOVED, PATCH FLOORS, CEILINGS, AND ADJACENT WALLS AS REQUIRED TO MATCH EXISTING OR RECEIVE NEW FINISHES WHERE APPLICABLE. WHERE EXISTING DUCTWORK, PIPING, OR EQUIPMENT IS REMOVED, PATCH OPENINGS AND/OR SURFACES
  - OVER CUT NEW OPENINGS IN EXISTING WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR WALLS TO MATCH EXISTING. WHERE APPLICABLE, TOOTH NEW MASONRY INTO ALL EQUIPMENT AND FURNITURE WHICH ARE CONSIDERED LOOSE FURNISHING SHALL BE
  - REMOVED BY THE OWNER PRIOR TO DEMOLITION. MASONRY WALLS TO BE REMOVED SHALL BE REMOVED TO A POINT 2" MINIMUM BELOW THE EXISTING FLOOR SLAB UNLESS SETTING ON A SLAB OR SPECIFICALLY NOTED OTHERWISE. PATC
  - WITH NEW CONCRETE TO BE FLUSH WITH THE EXISTING FLOOR SLAB. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL REVIEW OF DEMOLITION NOTES AND GENERAL DEMOLITION NOTES AS THEY APPLY TO THEIR SCOPE OF WORK. THE OWNER SHALL RESERVE THE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED
  - PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE. REFER TO THE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND TECHNOLOGY DOCUMENTS FOR COMPLETE SCOPE OF DEMOLITION WORK.
  - "FLOORING" DENOTES FLOOR COVERING MATERIALS INCLUDING BACKING, ADHESIVES, AND BASES DOWN TO BUT EXCLUSIVE OF FLOOR SLABS AND STRUCTURAL MATERIALS UNLESS NOTED
  - DEMOLITION IS TO FOLLOW ESTABLISHED CONSTRUCTION SEQUENCE. REFER TO SPECIFICATIONS AND DRAWINGS FOR REQUIREMENTS AND SPECIAL CONDITIONS.
  - WHERE APPLICABLE SALVAGE EXISTING MASONRY (FACE BRICK, GLAZED CMU, FACING TILE) AS REQUIRED FOR PATCHING AND INFILL IN RENOVATED AREAS WHERE INDICATED. DISCARD UNUSED

#### **DEMOLITION PLAN NOTES:**

- (ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.) REMOVE WALL MOUNTED PROJECTOR, SALVAGE FOR REINSTALLATION.
- REMOVE ACOUSTICAL BOARD CEILING SYSTEM IN ITS ENTIRETY.
- REMOVE CARPET FLOORING SYSTEM IN ITS ENTIRETY. PREPARE FLOOR FOR ☐ NEW FINISHES. 4 REMOVE ALL WALL ACCESSORIES MADE OBSOLETE BY NEW CONSTRUCTION.
- PATCH AND REPAIR WALL AS REQUIRED TO ACCEPT NEW FINISHES. 5 REMOVE VCT/SHEET VINYL FLOORING SYSTEM IN ITS ENTIRETY. PREPARE
- floor for NEW FINISHES. 6 REMOVE WALL MOUNTED T.V. IN ITS ENTIRETY. TURN OVER TO OWNER.
- REMOVE TACK BOARD, MARKER BOARD OR CHALKBOARD IN THEIR ENTIRETY PATCH WALL TO RECEIVE NEW FINISHES.
- 8 REMOVE EXISTING DEMOUNTABLE PARTITIONS INCLUDING BUT NOT LIMITED
- TO DOORS, FRAMES, AND BORROWED LIGHTS.  $\Theta \mid$  REMOVE METAL STUD AND PLASTER/GYPSUM BOARD WALL IN ITS ENTIRET PATCH AND REPAIR ADJACENT WALL AND FLOOR TO ACCEPT NEW FINISHES
- REMOVE PLUMBING FIXTURE IN ITS ENTIRETY. CUT AND CAP LINE BELOW WALL OR FLOOR SURFACE. UNLESS OTHERWISE NOTED ON PLUMBING DRAWINGS PATCH AND REPAIR FLOOR AND/OR WALL TO ACCEPT NEW
- $1 \mid$  REMOVE TOILET PARTITIONS IN THEIR ENTIRETY.
- REMOVE CURTAIN TRACK AND SUPPORT IN ITS ENTIRETY
- REMOVE HOLLOW METAL DOOR, FRAME AND HARDWARE IN ITS ENTIRETY 14 REMOVE HOLLOW METAL DOOR, FRAME, HARDWARE AND METAL WALL
- SYSTEM IN ITS ENTIRETY.

REMOVE CASEWORK/MILLWORK IN ITS ENTIRETY. PATCH AND REPAIR WALL AND FLOOR AS REQUIRED TO ACCEPT NEW FINISHES

The same of the sa REMOVE WINDOW IN ITS ENTIRETY.

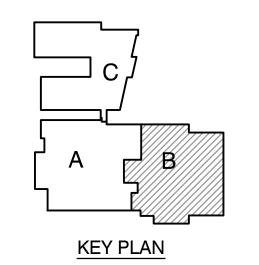
- 18 REMOVE WOOD CUBBIES IN ITS ENTIRETY. PREPARE WALL FOR NEW AD-3 19 REMOVE ACCORDION PARTITION, DOOR AND SUPPORTING STRUCTURE ABOVE
- IN THEIR ENTIRETY. O REMOVE PORTION OF METAL STUD AND GYPSUM BOARD/PLASTER WALL AS REQUIRED TO INSTALL NEW DOOR.
- REMOVE EXISTING THICK SET TERRAZZO INCLUDING SETTING BED AND PREP FLOOR TO RECEIVE NEW CONCRETE TOPPING AND CERAMIC TILE. REFER TO STRUCTURAL DRAWINGS.
- $\mathbb{R}^2$  EXISTING STEEL COLUMN TO REMAIN. PROTECT FROM DAMAGE. 3 REMOVE EQUIPMENT AS NEEDED. TURN OVER TO OWNER.
- 24 REMOVE WALL COVERING IN ITS ENTIRETY. PREPARE WALL FOR NEW
- 7 REMOVE PORTION OF PRECAST CONCRETE PANEL AS REQUIRED TO INSTALL
- 28 REMOVE TOILET ACCESSORIES AND TURN OVER TO THE OWNER. 29 REMOVE ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS.
- O ALTERNATE: REMOVE ENTIRE CANOPY INCLUDING STEEL FRAMING, ROOFING. AND CONCRETE FOOTINGS AS REQUIRED FOR NEW CONSTRUCTION. 1 REMOVE INTERIOR WINDOW IN ITS ENTIRETY.
- REMOVE RECEPTION COUNTER AND WALL IN ITS ENTIRETY. PATCH AND PREPARE FOR NEW WINDOW AND DOOR. 3 EXISTING PLASTER/GYPSUM BOARD CEILING TO REMAIN. CUT AND PATCH
- FOR MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION WORK. 34 REMOVE PLASTER AND METAL LATH ON METAL STUD BULKHEAD
- FOR MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION WORK. REPLACE ALL TILES DAMAGED DURING REMOVAL AND REINSTALLATION. 36 REMOVE CEILING PADS, EXISTING GRID TO REMAIN. CLEAN AND PREP
- REMOVE PORTION OF WALL AS REQUIRED FOR INSTALLATION OF CARRIER AT NEW URINAL OR WATER CLOSET.
- 38 REMOVE EXISTING ALUMINUM STOREFRONT IN ITS ENTIRETY. 39 REMOVE PARTIAL HEIGHT WALL INCLUDING BUT NOT LIMITED TO TILE, MARBLE COUNTERTOP, GYPSUM/PLASTER, AND METAL STUDS.
- REPAIR FLOOR AND/OR WALL TO ACCEPT NEW FINISHES. 41 REMOVE FIRE EXTINGUISHER AND CABINET AND TURN OVER TO OWNER. PATCH WALL AS REQUIRED FOR NEW AND EXISTING TO BE SMOOTH AND
- FLUSH WITH NO VISIBLE JOINTS. 42 REMOVE CABINET HEATER IN ITS ENTIRETY. CUT AND CAP LINE BELOW
- WALL OR FLOOR SURFACE. REFER TO PLUMBING DRAWINGS. PATCH AND REPAIR FLOOR AND/OR WALL AS REQUIRED TO ACCEPT NEW FINISHES. 43 REMOVE ALUMINUM STOREFRONT IN ITS ENTIRETY. PATCH ADJACENT WALLS
- DAMAGED DURING REMOVAL WITH NEW GYPSUM BOARD. 44 REMOVE EXISTING DEPRESSED MAT IN ITS ENTIRETY. PREPARE SUBSTRATE ─ FOR NEW FINISH.
- ' INSTALLATION OF NEW FINISHES. 46 REMOVE CHASE VENTS AND STAINLESS STEEL COVER PLATES FROM EXISTING TILE WALLS AND PREP FOR NEW FINISH.



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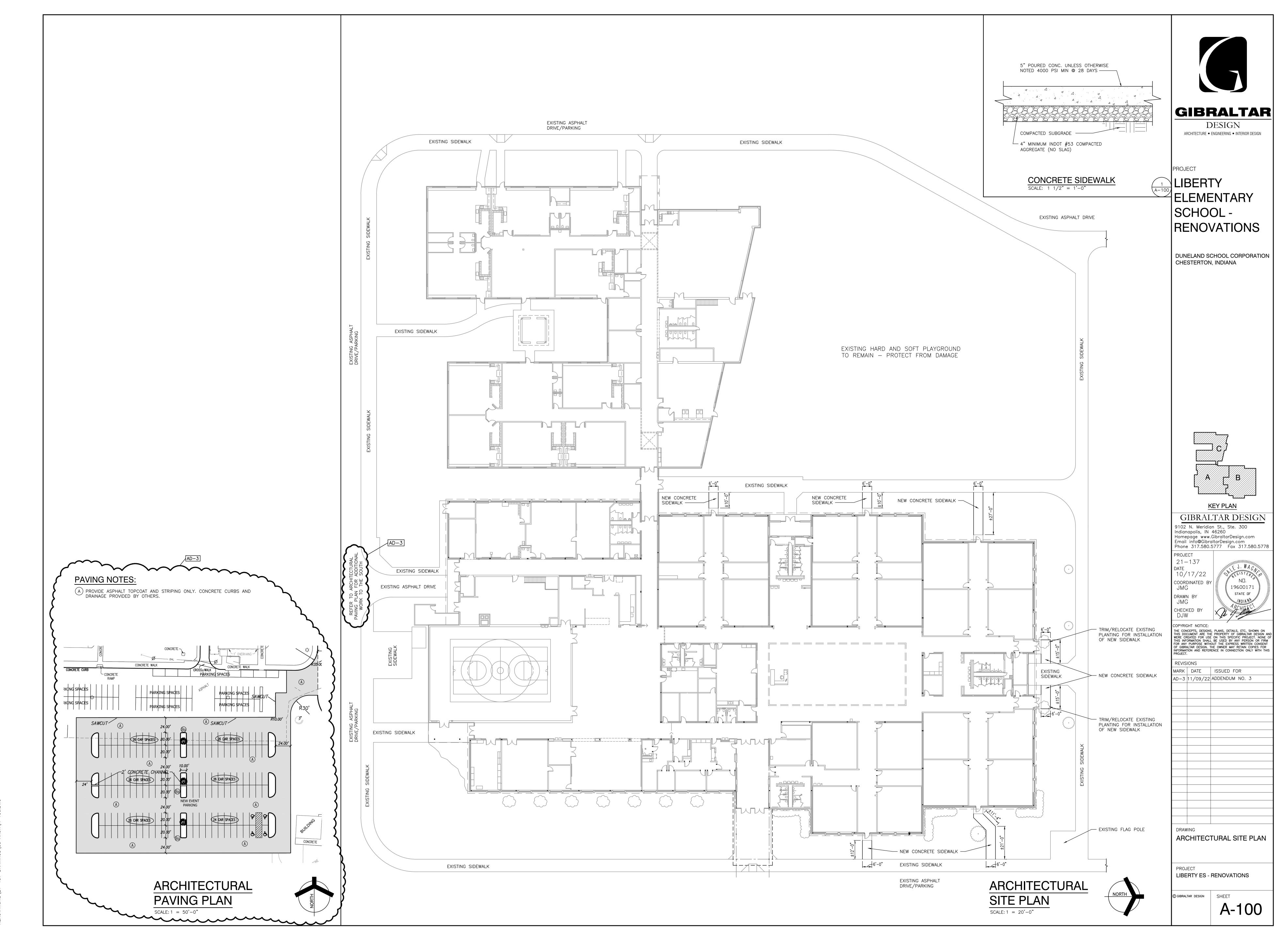
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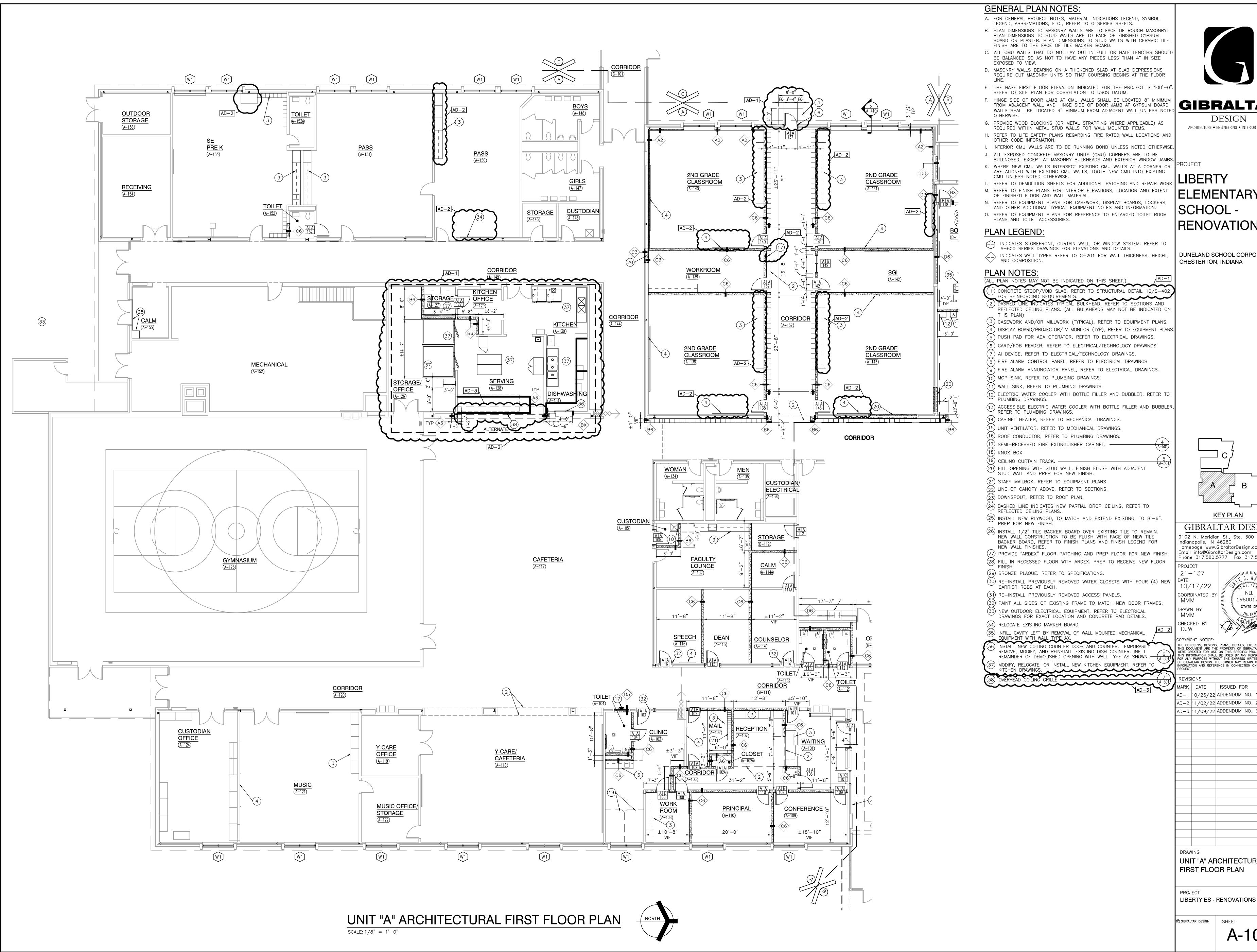
**UNIT "B" ARCHITECTURAL** FIRST FLOOR DEMOLITION

LIBERTY ES - RENOVATIONS

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**AD102** 





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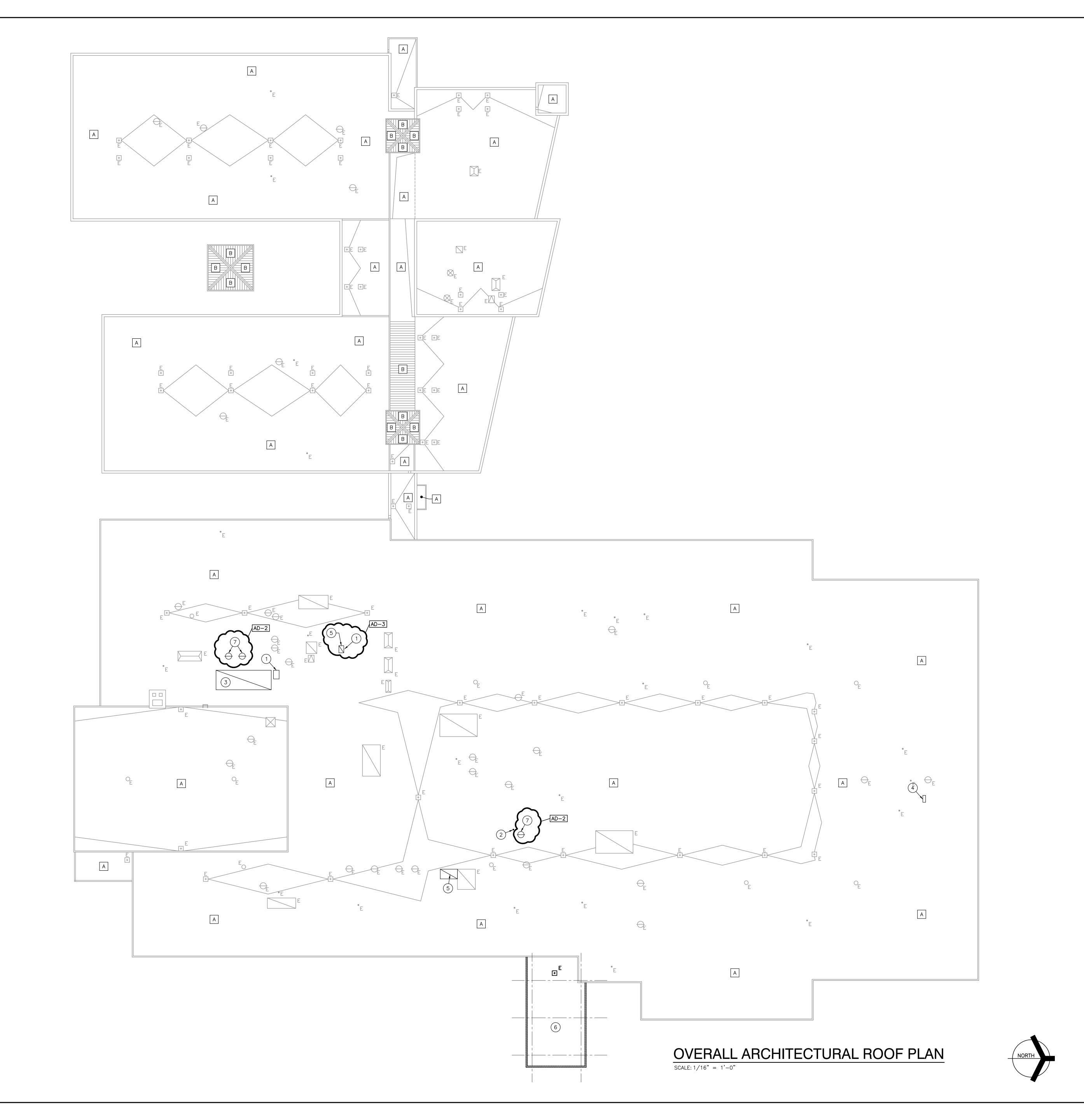
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UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN

LIBERTY ES - RENOVATIONS

GIBRALTAR DESIGN SHEET

A-101



GENERAL ROOF PLAN NOTES:

- A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-301.
   B. THERE MAY BE LOCATIONS ON NEW AND/OR EXISTING ROOF WHERE THE
- B. THERE MAY BE LOCATIONS ON NEW AND/OR EXISTING ROOF WHERE THE ROOF DECK MAY NOT BE STRUCTURALLY SOUND. CONTRACTORS SHOULD USE EXTREME CAUTION IN WORKING THESE ROOF AREAS TO MAINTAIN SAFE WORKING CONDITIONS.
- C. THE ROOFING INSTALLER SHALL VERIFY ALL DIMENSIONS, CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION.

  COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

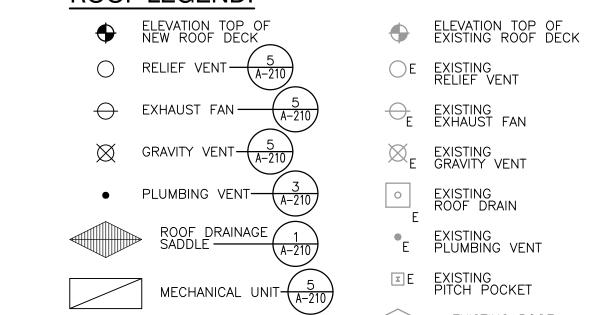
  SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- D. THE ROOFING INSTALLER SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL DAMAGE CAUSED BY THE IMPROPER STORAGE OR STACKING OF ROOFING MATERIALS.
- E. ALL DIMENSIONS INDICATED ON THE ROOF PLAN ARE APPROXIMATE. THE ROOFING INSTALLER IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR THE EXECUTION OF HIS WORK AND PRIOR TO ANY FABRICATION OF THE VARIOUS MATERIALS.
- F. THE ROOFING INSTALLER SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING DEMOLITION AND/OR NEW CONSTRUCTION. THE ROOFING INSTALLER SHALL INSPECT AND CLEAR ALL DRAINS, SCUPPERS AND DOWNSPOUTS PRIOR TO COMPLETION OF WORK AND TO ENSURE THAT THEY ARE FREE OF DEBRIS AND ARE FUNCTIONING
- G. ROOF DRAIN LOCATION INDICATE DESIGN INTENT. COORDINATE LOCATIONS WITH STRUCTURAL AND MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND TRADES.
- H. FOR LOCATION AND QUANTITY OF ALL ROOFTOP MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS.I. FOR LOCATION OF ALL NEW AND/OR EXISTING PLUMBING VENTS, REFER TO
- MECHANICAL ROOF PLANS.

  J. EXTEND ALL PLUMBING VENTS SO THAT THE TOP IS A MINIMUM OF 12"
- ABOVE THE ROOFING MEMBRANE.

  K. PROVIDE NEW FLASHING AND TWO PIECE COUNTER—FLASHING WHERE NEW ROOFING ABUTS A NEW OR EXISTING WALL, UNLESS OTHERWISE NOTED OR
- L. PROVIDE FLASHING AND SADDLES FOR ALL EQUIPMENT PROVIDED UNDER MECHANICAL.
   M. PROVIDE FLASHING OF ALL VENTS, FAN CURBS, MASONRY WALLS, FLUES, DRAINS, FASCIAS, ETC. IN ACCORDANCE WITH THESE DRAWINGS AND SPECIFICATIONS, AND WITH ROOFING MANUFACTURERS STANDARD DETAILS
- AND SPECIFICATIONS.
  N. CONTRACTOR TO PROVIDE CRICKETS AND/OR ROOF SADDLES AS REQUIRED TO PROMOTE POSITIVE DRAINAGE AROUND ALL ROOF TOP PENETRATIONS.
  O. SADDLES AND TAPERED INSULATION SYMBOLS INDICATE DESIGN INTENT TO
- SLOPES TO DRAIN. ROOFING INSTALLER SHALL PROVIDE SUBMITTAL DRAWINGS FOR TAPERED INSULATION AND SADDLES TO ENSURE POSITIVE SLOPE.

  P. ALL NEW WOOD BLOCKING AND NAILERS SHALL BE FIRE/MOISTURE TREATED
- Q. ANCHOR ALL ROOFING EDGE WOOD BLOCKING AND STRUCTURAL INSULATED SHEATHING FOR COPINGS, FASCIA, AND EXPANSION JOINT COMPRESSIBLE TUBES AS REQUIRED TO CONFORM TO STATE AND LOCAL CODES.
- R. REFER TO ARCHITECTURAL FLOOR PLAN FOR LOCATION OF SECTION CUTS FOR ADDITIONAL INFORMATION.
- S. REMOVE ALL ROOF GRAVEL, RESIDUE, AND ALL PROJECTIONS WHICH WOULD PREVENT THE NEW ROOF INSULATION FROM LAYING FLAT OVER THE ROOF SURFACES.
- T. AT ALL NEW ROOF DRAINS AND/OR EXISTING ROOF DRAINS AT AREAS TO BE RE-ROOFED, REMOVE AND CLEAN ROOF DRAIN STRAINERS AND CLAMP RINGS. REINSTALL AFTER NEW ROOF INSULATION AND ROOFING MEMBRANE ARE IN PLACE, ANY BROKEN OR MISSING ROOF DRAIN STRAINER SHALL BE REPLACED WITH A NEW STRAINER.
- U. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF ROOF TOP EQUIPMENT TO BE REMOVED.V. ALL ROOF SADDLE SLOPES SHALL BE 1/2" PER 12".

## ROOF LEGEND:



HATCH PATTERN E EXISTING PENTHOU ROOFING SYSTEM.

E EXISTIN ROOF

→ INDICATES ROOF SADDLE SLOPE (1/2" PER 12")

→ INDICATES ROOF SLOPE (1/4" PER 12")

ROOF WALKWAY PADS  $\frac{2}{A-210}$ 

## **ROOF TYPES:**

A EXISTING MEMBRANE ROOF SYSTEM SHALL REMAIN EXCEPT AS NOTED. PROTECT FROM ADJACENT ROOF WORK.

B EXISTING STANDING SEAM METAL ROOF SYSTEM SHALL REMAIN EXCEPT AS NOTED. PROTECT FROM ADJACENT ROOF WORK.

#### ROOF PLAN NOTES:

110	OI I LANTOILO.	
(ALL	PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)	
1	NEW ROOF PENETRATIONS BASED ON MECHANICAL WORK.	5 A-210
2	NEW PLUMBING VENT, REFER TO PLUMBING DRAWINGS	A-210 $A-2$ $A-2$
3	NEW MECHANICAL EQUIPMENT ON EXISTING RAILS, REFER TO MECHANICAL.	
4	NEW MECHANICAL EQUIPMENT ON NEW CURB PER EQUIPMENT SUPPLIER RECOMMENDATIONS, REFER TO — MECHANICAL FLASH NEW CURB INTO EXISTING ROOF PER DETAIL.	A-2
$\overline{}$		

(5) NEW MECHANICAL EQUIPMENT ON NEW EQUIPMENT RAILS, REFER TO MECHANICAL. INSTALL RAILS PER DETAIL. —

V NOTES:

MAY NOT BE INDICATED ON THIS SHEET.)

ENETRATIONS BASED ON MECHANICAL

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**KEY PLAN** 

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DRAWING

OVERALL ARCHITECTURAL ROOF PLAN

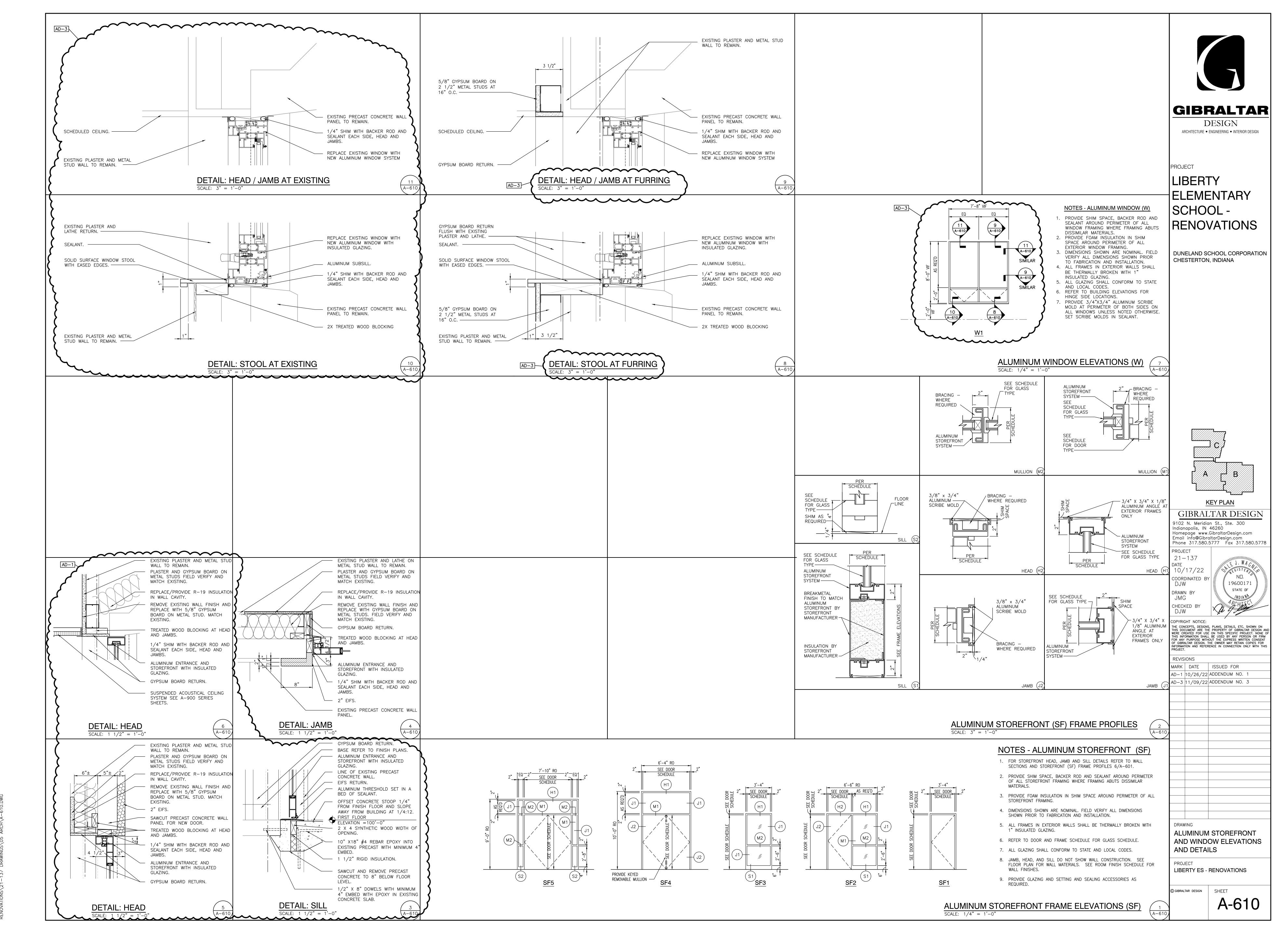
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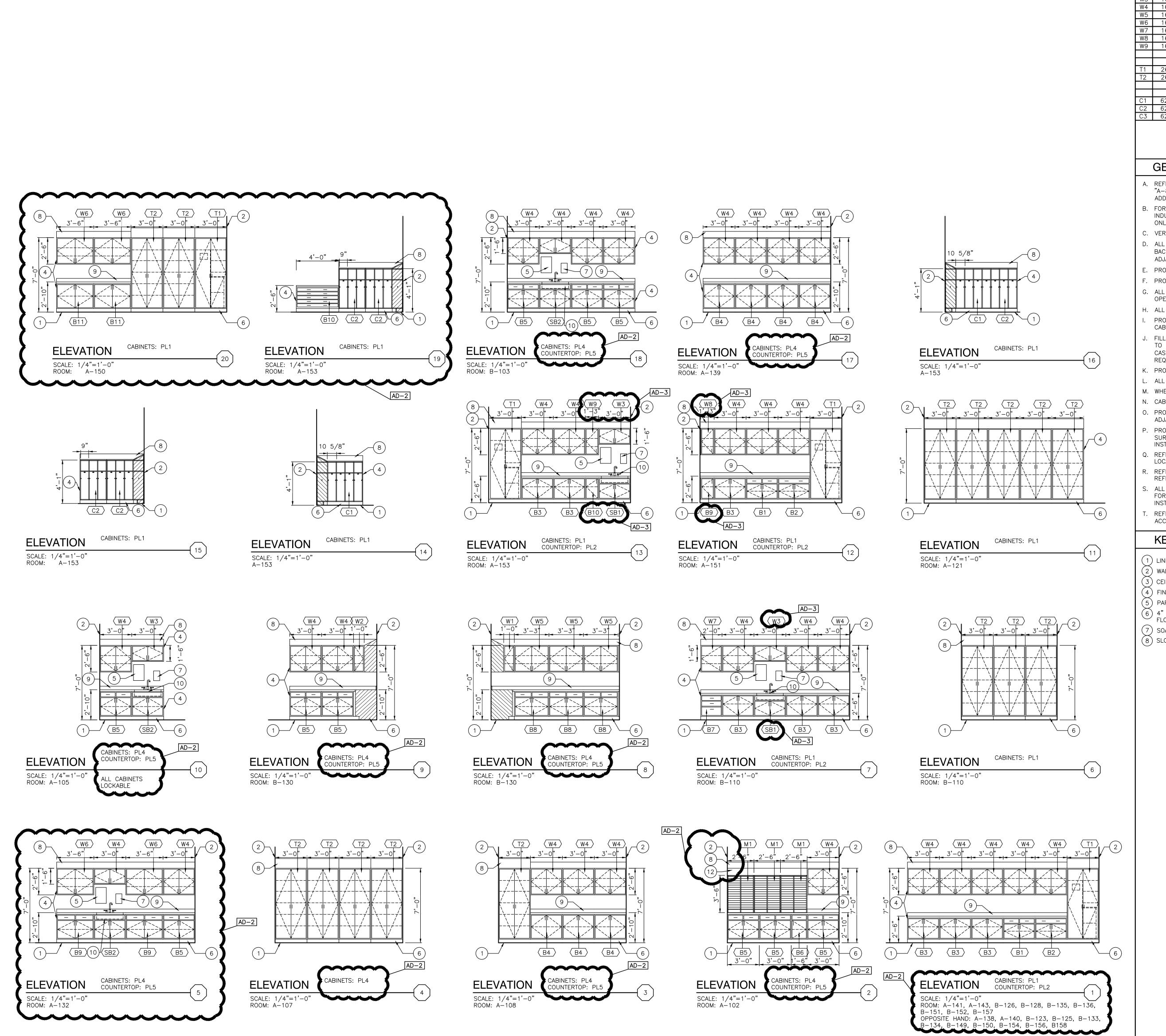
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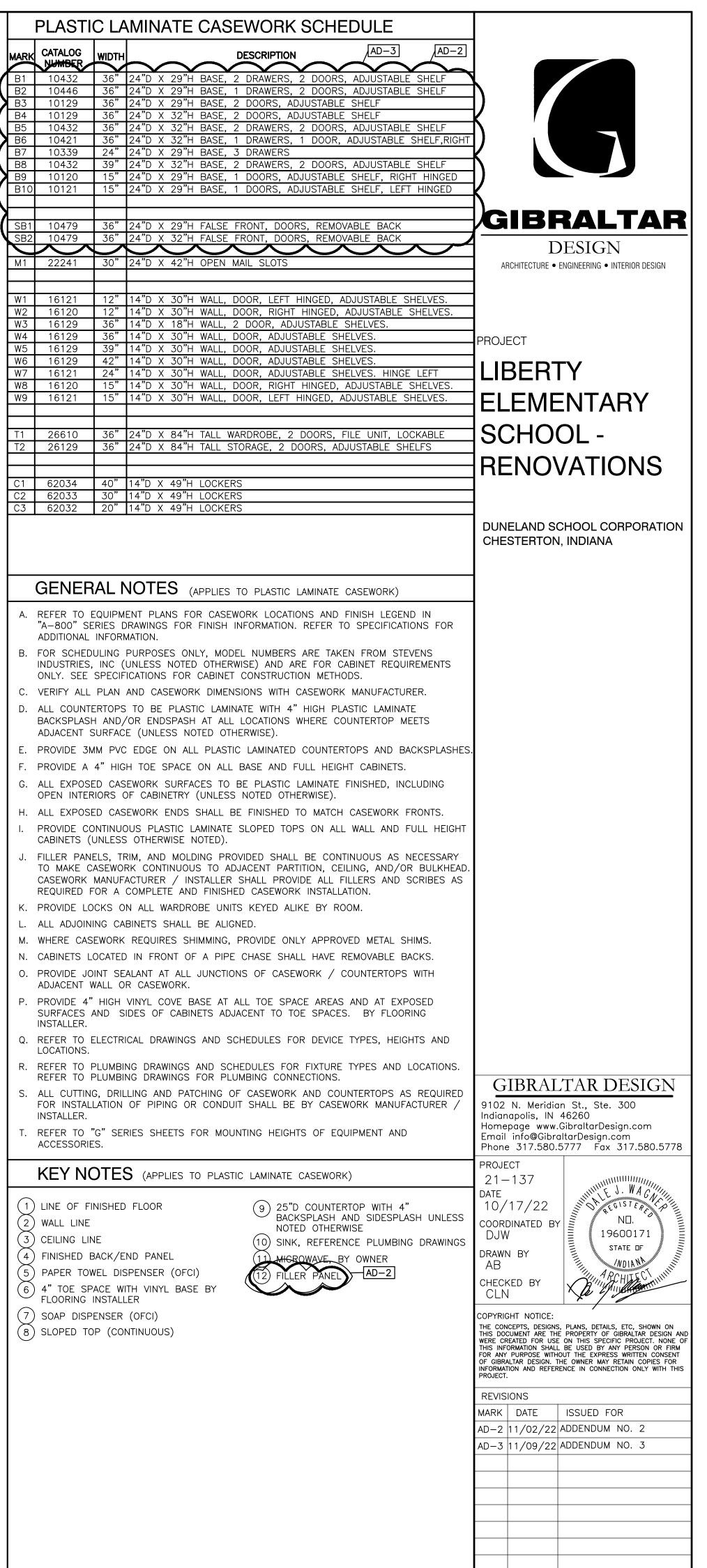
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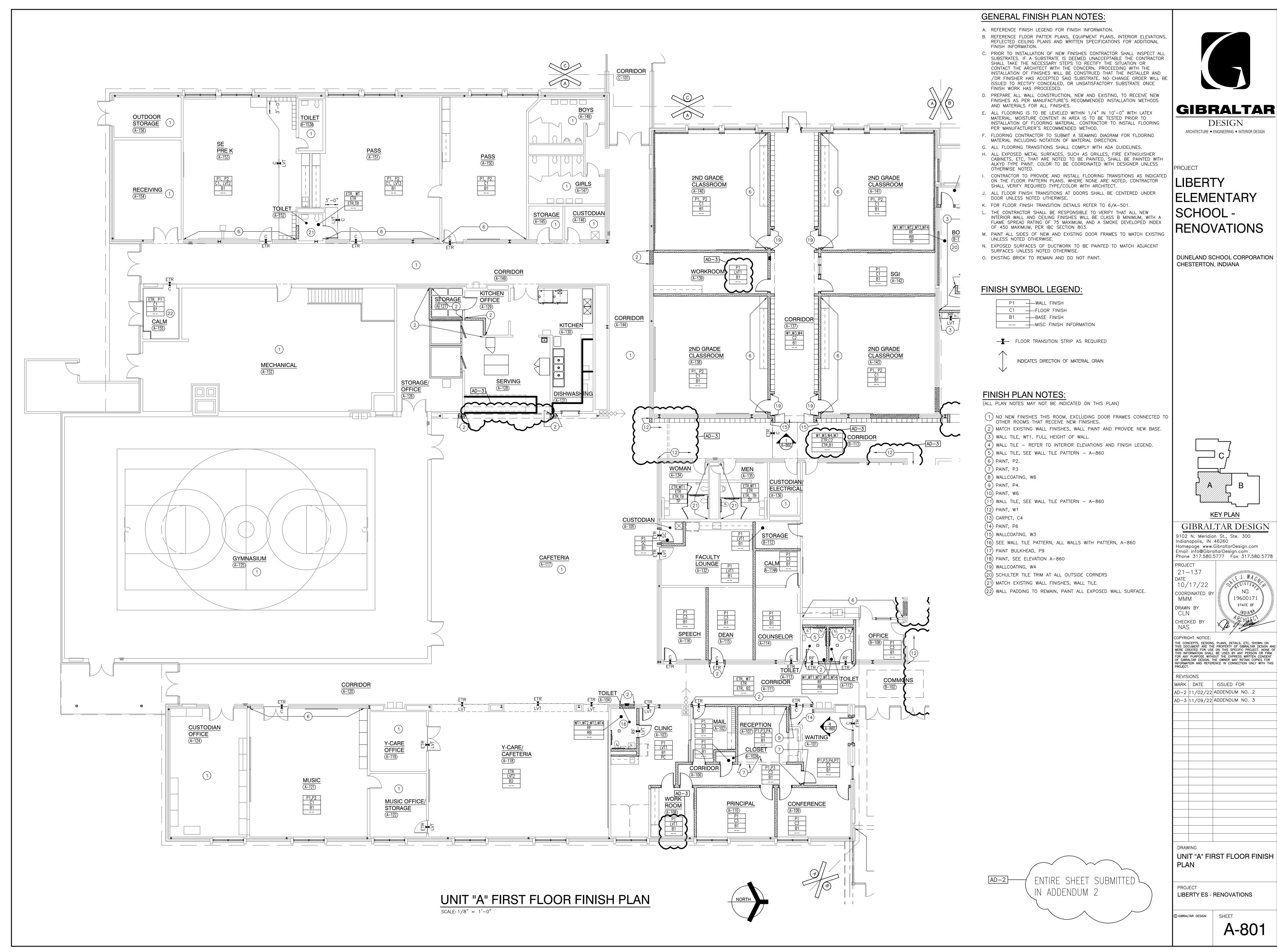
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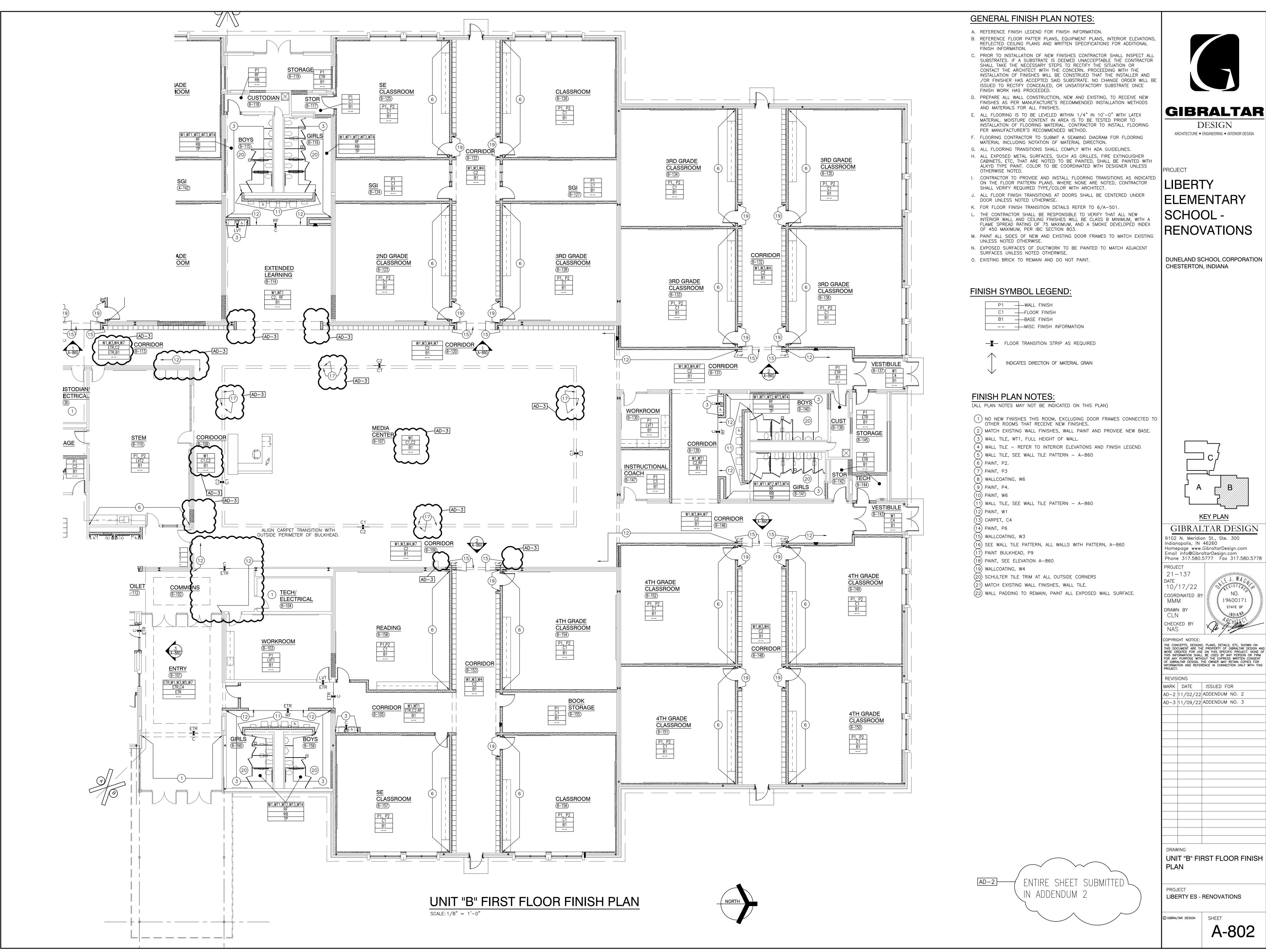
CASEWORK SCHEDULE AND

LIBERTY ES - RENOVATIONS

ELEVATIONS



A-801



GIBRALTAR DESIGN SHEET

DESIGN

KEY PLAN

19600171 STATE OF

A-802

FINISH LEGEND SIZE COMMENTS MARK DESCRIPTION MANUFACTURER PATTERN/FINISH NUMBER/COLOR SURFACE WALL BASE BURGUNDY 85 4" COVE TARKETT MATCH EXISTING VINYL 5" COVE RESINOUS EPOXY RESUFLOR DECO QUARTZ MORNING FOG BC23 SHERWIN WILLIAMS FLOOR MATERIALS CARPET TILE CRAYON 01957 FIREFLIES 48006 24" X 24" INSTALL: MONOLITHIC 24" X 24" ALL STAR - GAMETIME III ROBINSON (ROBI) INSTALL: MONOLITHIC CARPET TILE MANNINGTON 24" X 24" AFTERMATH II 03026 INSTALL: VERTICAL ASHLAR CARPET TILE FIREWORKS 23514 C2 24" X 24" CARPET TILE ALL STAR — HALFTIME ROBINSON (ROBI) INSTALL: MONOLITHIC MANNINGTON 24" X 24" TARKETT APPLAUSE III 02803 INSTALL: MONOLITHIC CARPET TILE FOOTHILL 28521 C3 HELMETRON 13634 CARPET TILE MANNINGTON GOOGIE – PHENOMENA 24" X 24" INSTALL: VERTICAL ASHLAR CHROMIUM 26201 24" X 24" INSTALL: QUARTER TURN WALK OFF CARPET TILE TARKETT ASSERTIVE ACTION 04837 WALK OFF CARPET TILE MANNINGTON FORCE KINETIC 11360 18" X 36" INSTALL: HORIZONTAL BRICK ASHLAR LUXURY VINYL TILE TARKETT CONTOUR COLOR POP SAND DOLLAR PCOP C147 18" X 18" INSTALL: VERTICAL ASHLAR LVT1 NON-BEVELED EDGE. INSTALL: BLOCKED LUXURY VINYL TILE MANNINGTON ACTIVE LINES - GRID ZING CHAROAL 207 18" X 18" LUXURY VINYL TILE TARKETT CONTOUR COLOR POP SEA SALT PCOP C145 18" X 18" INSTALL: VERTICAL ASHLAR LVT2 LUXURY VINYL TILE MANNINGTON ACTIVE LINES - CRISSCROSS FLASH 101 18" X 18" NON-BEVELED EDGE. INSTALL: BLOCKED LUXURY VINYL TILE TARKETT CONTOUR COLOR POP MALT PCOP C146 18" X 18" INSTALL: VERTICAL ASHLAR LVT3 NON-BEVELED EDGE. INSTALL: BLOCKED LUXURY VINYL TILE 18" X 18" MANNINGTON ACTIVE LINES - GRID RESUFLOR DECO QUARTZ MORNING FOG BC23 RESINOUS EPOXY SHERWIN WILLIAMS SEALED CONCRETE WALL MATERIALS REPOSE GRAY SW 7015 PAINT SHERWIN WILLIAMS SHERWIN WILLIAMS ACIER SW 9170 PAINT SHERWIN WILLIAMS GAUNTLET GRAY SW 7019 SHERWIN WILLIAMS TAUPE TONE SW 7633 PAINT SHERWIN WILLIAMS CUSTOM TO MATCH EXISTING PAINT SHERWIN WILLIAMS CUSTOM COLOR \* SEE NOTE 1 PAINT HIGH REFLECTIVE WHITE SW 7757 SHERWIN WILLIAMS SHERWIN WILLIAMS URBANE BRONZE SW 7048 PAINT SHERWIN WILLIAMS CUSTOM COLOR PAINT \* SEE NOTE 2 REPOSE GRAY SW 7015 WALLCOATING SHERWIN WILLIAMS NOT USED GAUNTLET GRAY SW7019 WALLCOATING SHERWIN WILLIAMS WALLCOATING SHERWIN WILLIAMS TAUPE TONE SW 7633 NOT USED WALLCOATING SHERWIN WILLIAMS \* SEE NOTE 1 WALLCOATING SHERWIN WILLIAMS HIGH REFLECTIVE WHITE SW 7757 CERAMIC WALL TILE AMERICAN OLEAN CALM 0035 6" X 6" CERAMIC WALL TILE 3" X 6"

STABLE 0055

PASSION 0019

STORM GRAY 0040

APPEARS LTKATRE WP115

VOUS TEMPEST VS6002-1

TUMBLED STONE 9220CE

WHITE STONE 9208CS BEIGE TRAVERTINE 9236SS

TAUPE GY835-3N

EARTHEN 006

MATCH EXISTING

RANGE PEEL TEXTURE ROGRESSION 3 511517 WINTER GRRAY MATRIX MR6005T

BLUE LUNARIA LU3001T

5TH AVEELM 7966K-12

3" X 6"

3" X 6"

AMERICAN OLEAN

AMERICAN OLEAN

AMERICAN OLEAN

PIONITE

NEVAMAR

WILSONART

INEVAMAR

NEVAMAR

WILSONART

WILSONART

WILSONART

HINDY HIDERS

MAHARAM

SCHLUTER

CERAMIC WALL TILE

CERAMIC WALL TILE

PLASTIC LAMINATE

PLASTIC LAMINATE

PLASTIC LAMINATE

| PLASTIC LAMINATE

PLASTIC LAMINATE

SOLID SURFACE

SOLID SURFACE

SOLID SURFACE

CORNER GUARD

TOILET PARTITION

PRIVACY CURTAIN

LOCKERS

METAL TRIM

WOOD DOOR

WINDOW ROLLER SHADE MECHO

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## ETR = EXISTING TO REMAIN

MISCELLANEOUS

CASEWORK AND MILLWORK

NOTE 1 SHERWIN WILLIAMS 062018 DUNELAND'S MAROON — CUSTOM MANUAL MATCH INTERIOR SUPER PAINT SEMI GLOSS LATEX IFC 8012NP CCE\*COLORANT 0Z 32 64 128

W1-WHITE - 10 1 1 L1-BLUE - 58 1 -R2-MAROON - 38 1 1 R3-MAGENTA 6 20 - -

NOTE 2 SHERWIN WILLIAMS 703287 DUNELAND'S GOLD — CUSTOM MANUAL MATCH INTERIOR SUPER PAINT EG-SHEL ACRYLIC LATEX IFC 8012NP

CCE\*COLORANT 0Z 32 64 128 W1-WHITE 2 22 - 1 R4-NEW RED - 14 1 1 Y1-YELLOW 8 27 - 1

NOTE 3 IT IS INTENDED THAT FLOORING (CARPET AND LVT) WITH MULTIPLE MANUFACTURE OPTIONS, SHOULD BE BID AS "A" OR "B" PACKAGE ONLY.

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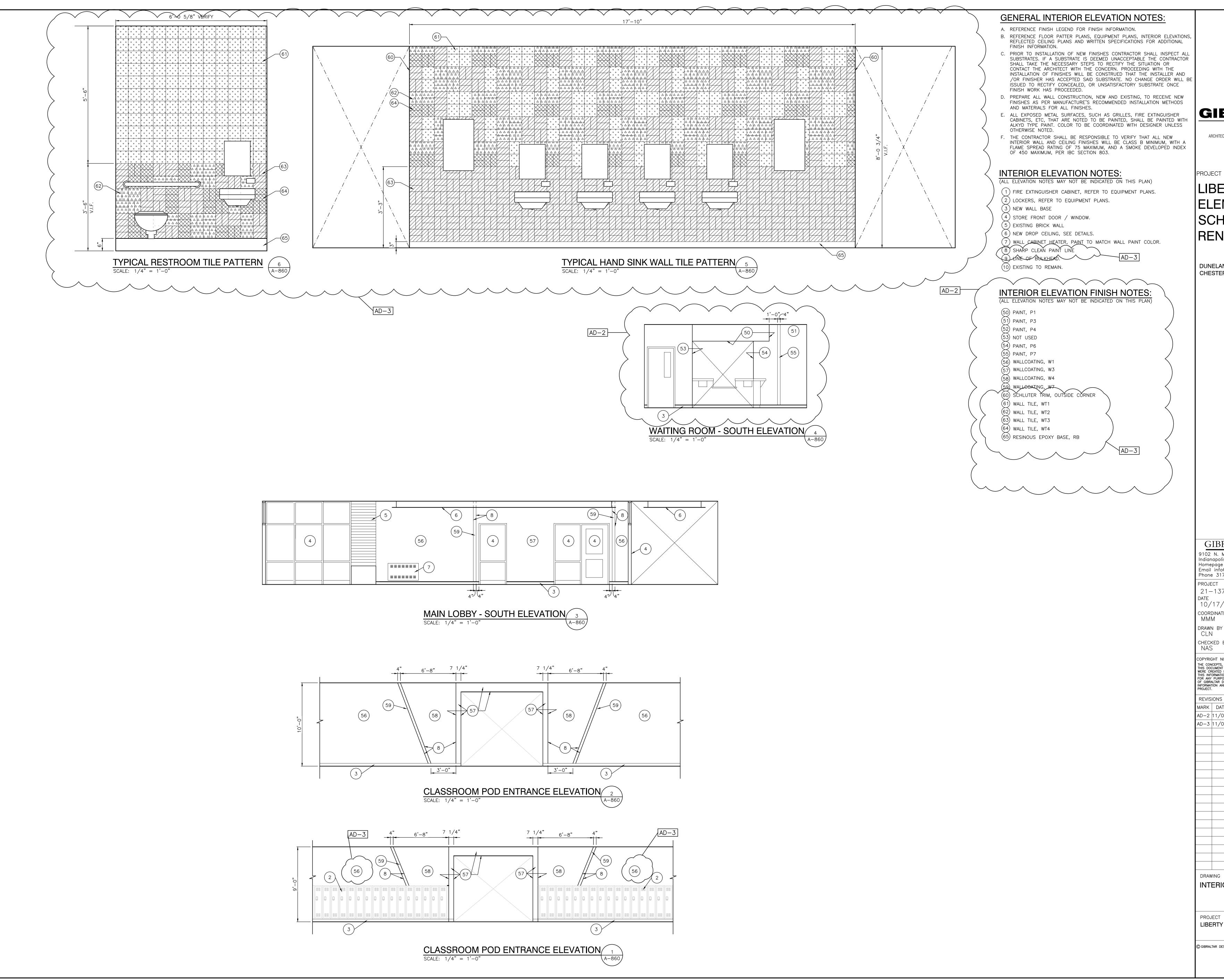
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FINISH LEGEND

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LIBERTY ES - RENOVATIONS

A-820

IN ADDENDUM 2



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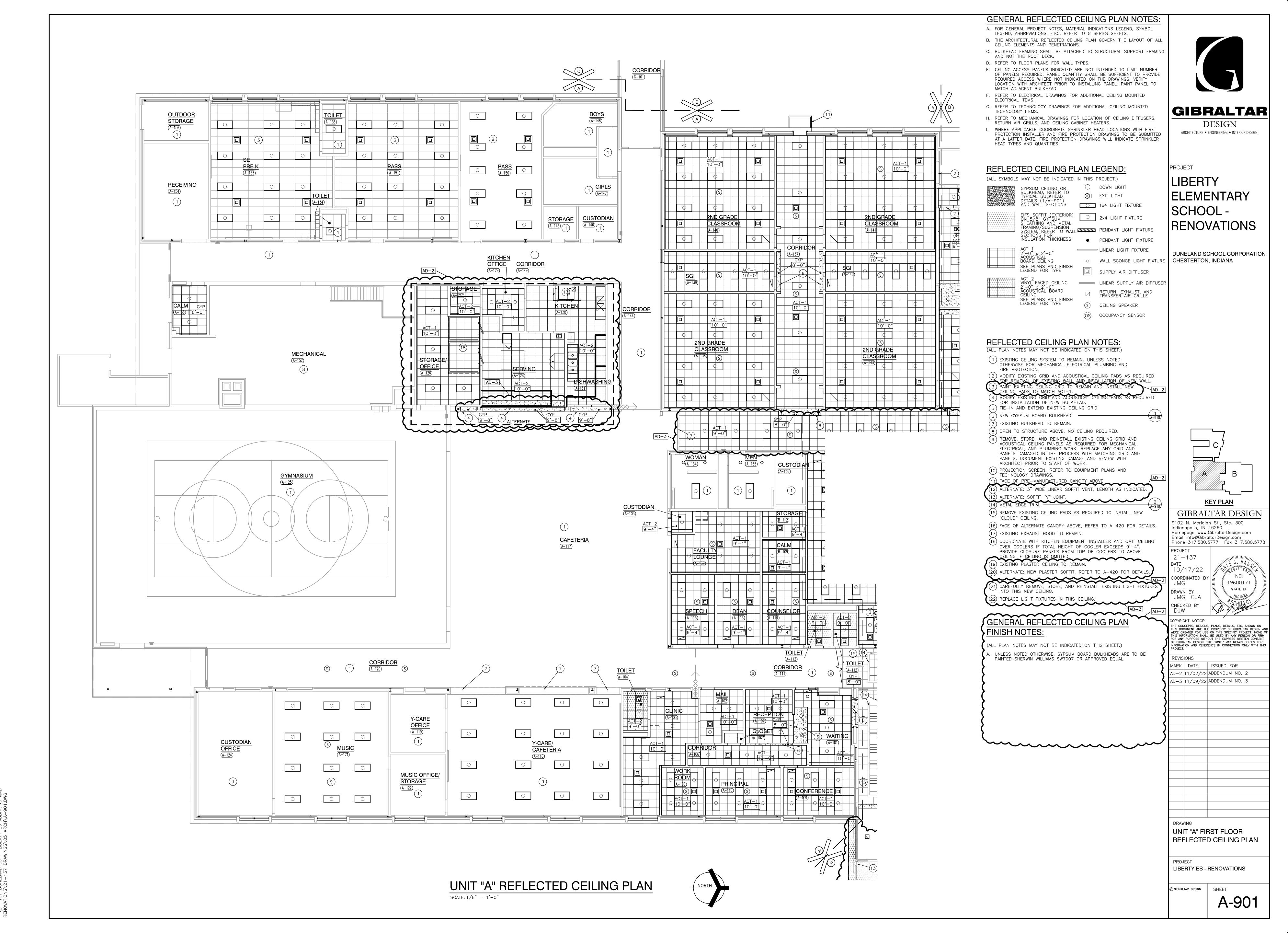
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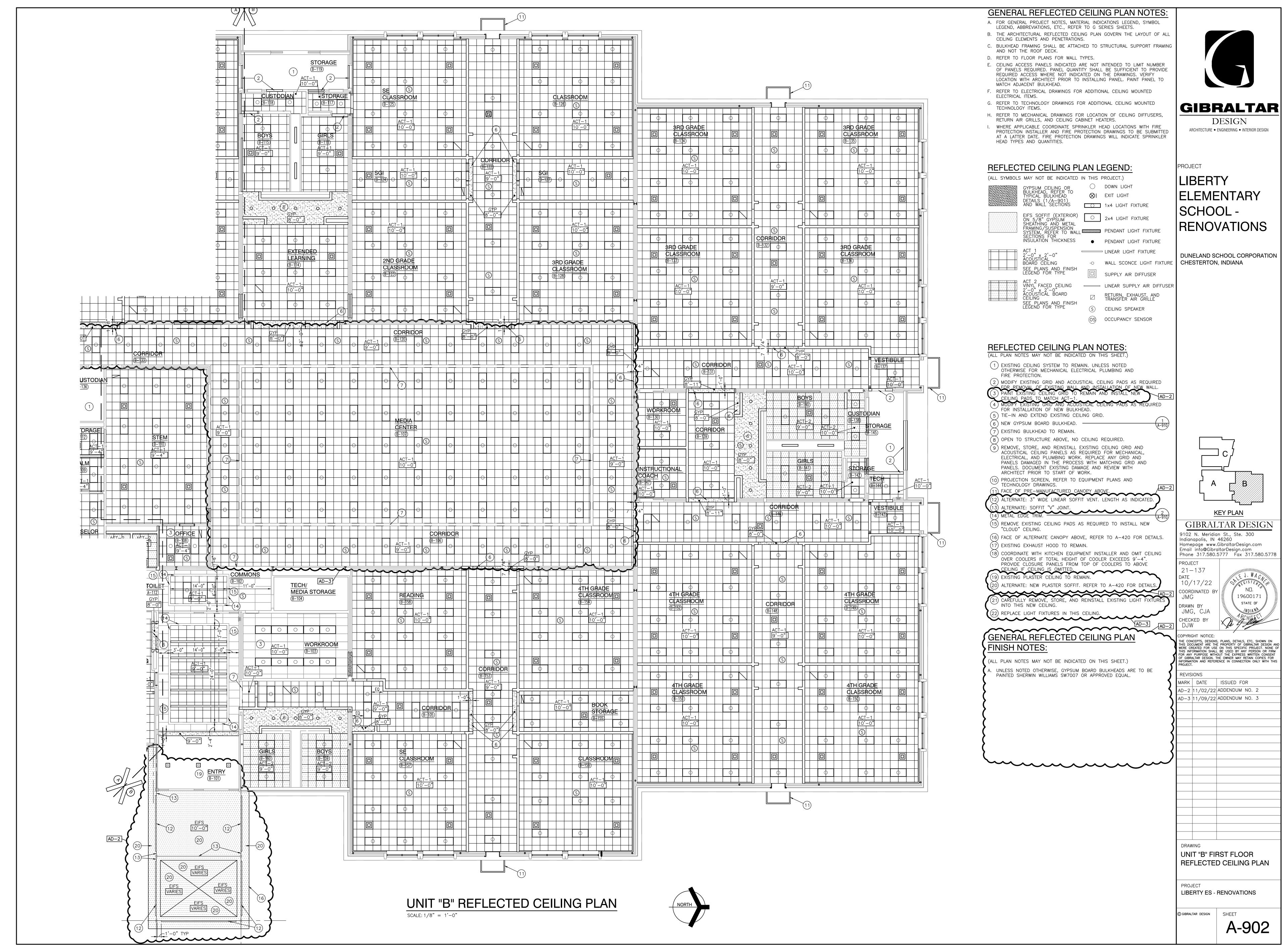
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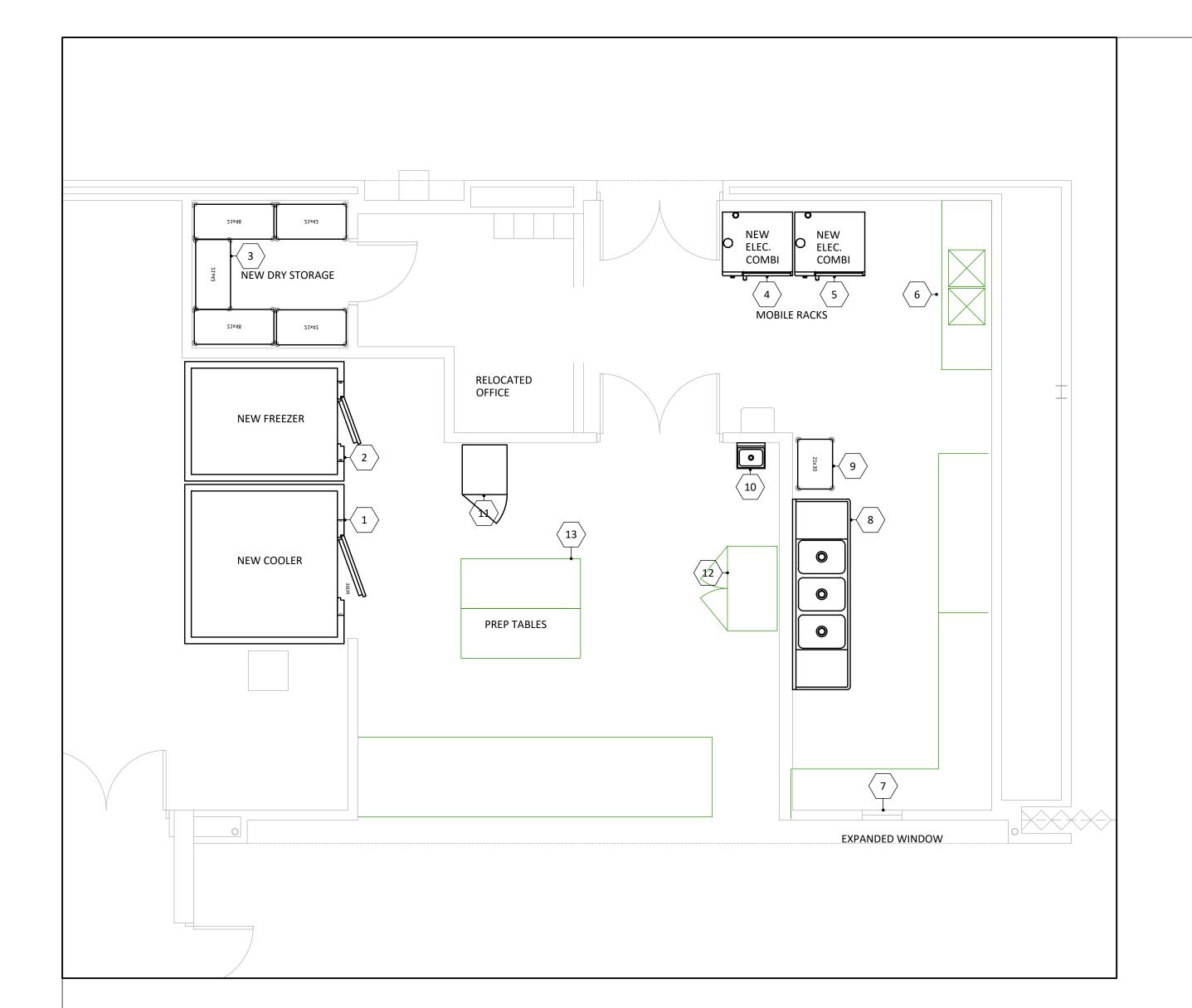
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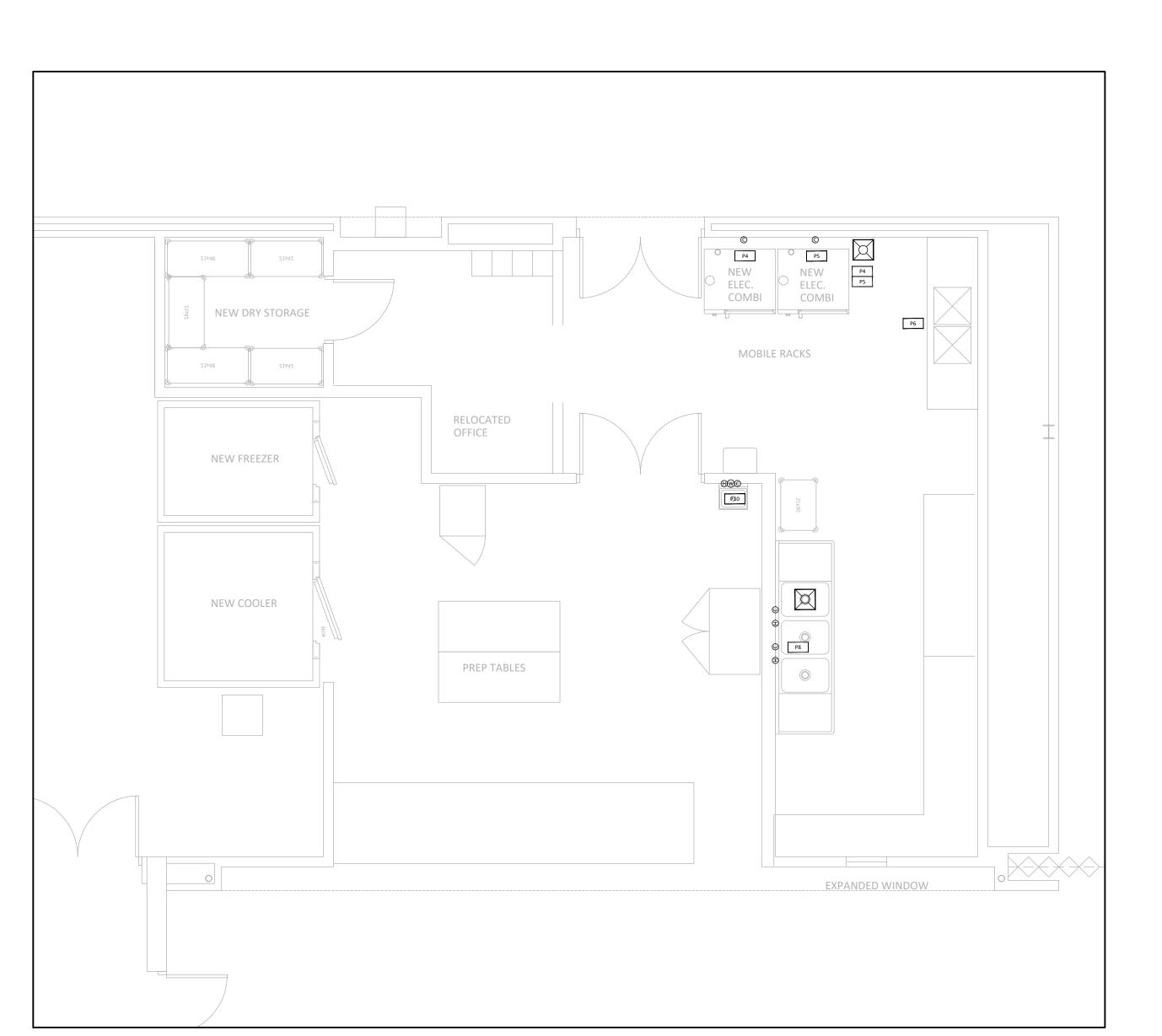
A-902



ELEC. COMBI COMBI

MOBILE RACKS

	EQ	UIPMENT			ME	CH	ANICA	\L					ELE	CTF	RIC	AL		
		DESCRIPTION	SOURCE				GAS	ı			REMARKS							REMARKS
II EM NUMBER	QUANTITY	(NIKEC= NOT IN KITCHEN EQUIPMENT CONTRACT)		НОТ	COLD	AFF	CONN. SIZE M BTU	AFF	WASTE	AFF		VOLTAGE	KW	AMPS	HP	PHASE CONN.	AFF	
1	1	WALK-IN COOLER	NOR-LAKE KL7788-C									120 208		15.0 15.0		1 1	l	FOR LIGHTS AND DOOR FRAME HEATER FOR CONDENSING UNIT AND COIL
2	1	WALK-IN FREEZER	NOR-LAKE KL7768-F									120 208		15.0 15.0				FOR LIGHTS AND DOOR FRAME HEATER FOR CONDENSING UNIT AND COIL
3	5	DRY STORAGE MOBILE SHELVING UNIT	INTERMETRO SUPER ERECTA															REFER TO COOLER/FREEZER DWG. K400
4	1	VENTLESS COMBI OVEN SIX PAN FULL (ELECTRIC)	RATIONAL ICC-6 FULL E		0.75	48			2.0	FS	EXTEND SERVICE TO FILTER FOR STEAM EXTEND DRAIN TO FLOOR SINK	208 120		62.2 15.0		3 D 1 P		70 AMP DEDICATED CIRCUIT REQUIRED NEMA 5-15P FOR HOOD
5	1	VENTLESS COMBI OVEN SIX PAN FULL (ELECTRIC)	RATIONAL ICC-6 FULL E		0.75	48			2.0	FS	EXTEND SERVICE TO FILTER FOR STEAM EXTEND DRAIN TO FLOOR SINK	208 120		62.2 15.0		3 D 1 P		70 AMP DEDICATED CIRCUIT REQUIRED NEMA 5-15P FOR HOOD
6	1	PREP TABLE WITH TWO SINKS	EXISTING RELOCATED								REVIEW REUSE OF EXISTING PLUMBING CONNECTIONS							
7	1	EXPANDED DISH DROP WINDOW	CUSTOM FABRICATED															
8	1	THREE COMP SINK WITH FAUCETS	ADV. TABCO 93-83-60-24RL	0.50	0.50	18			1.50	FS	EXTEND DRAINS TO FLOOR SINK							
9	1	DISH SHELVING	INTERMETRO SUPER ERECTA P	PRO														
LO	1	HAND SINK WITH FAUCET	JOHN BOOS HAND SINK	0.50	0.50	18			1.50	FS	EXTEND DRAINS TO FLOOR SINK							
11	1	ROLL IN HEATED CABINET	TRUE STA1HRI-1S									120/ 208		15.0		1 D	86	NEMA 14-20P
12	1	TWO DOOR REACH IN REFRIGERATOR	EXISTING RELOCATED															
L3	2	PREP TABLES	EXISTING RELOCATED															

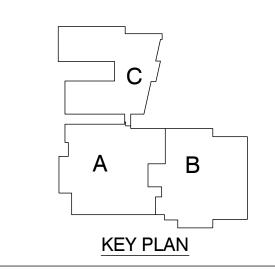




PROJECT

LIBERTY
ELEMENTARY
SCHOOL RENOVATIONS

DUNELAND SCHOOL CORPORATION CHESTERTON, INDIANA



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PROJECT
21-137
DATE
10/17/22
COORDINATED BY RDG

RDG
DRAWN BY
JJN
CHECKED BY
RDG

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DRAWING
FOODSERVICE EQUIPMENT
PROJECT.

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AD03 11/9/22 ADDENDUM #3

DRAWING
FOODSERVICE EQUIPMENT
PLAN AND SCHEDULE

PROJECT
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K-100

Wednesday, 11/9/2022 — 8:49 AM — LAST SAVED BY:JOI G:\SHARED DRIVES\RDG PROJECT DATA\RDG PROJECT FOLDER (2022)\2022—056—GIBRALTAR—DUNELAND LIBERTY ES\3. DRAWINGS\A. CAD\QF—2022—056—PLAN.DWG

FOODSERVICE EQUIPMENT PLAN

NEW DRY STORAGE

NEW FREEZER

**NEW COOLER** 

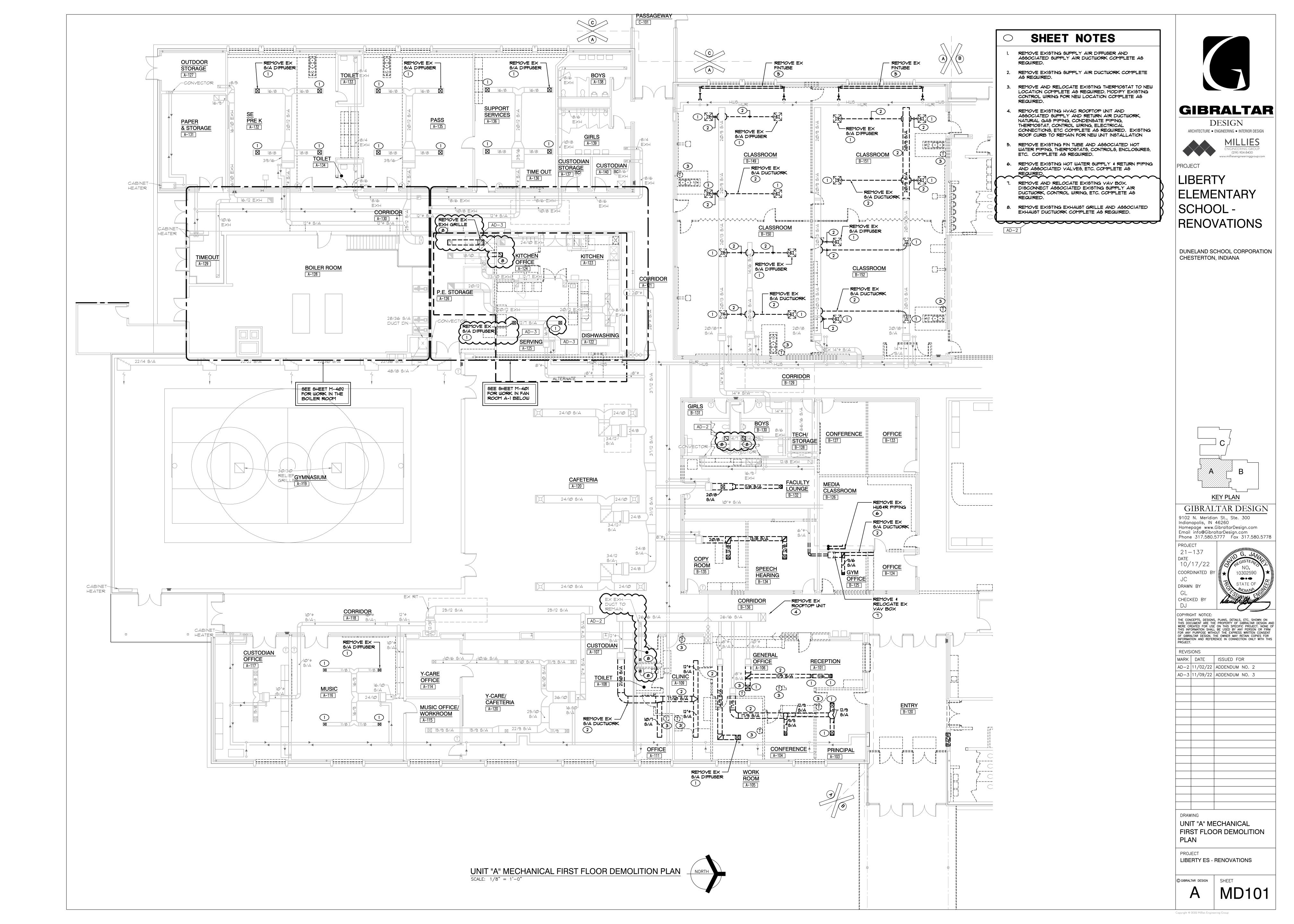
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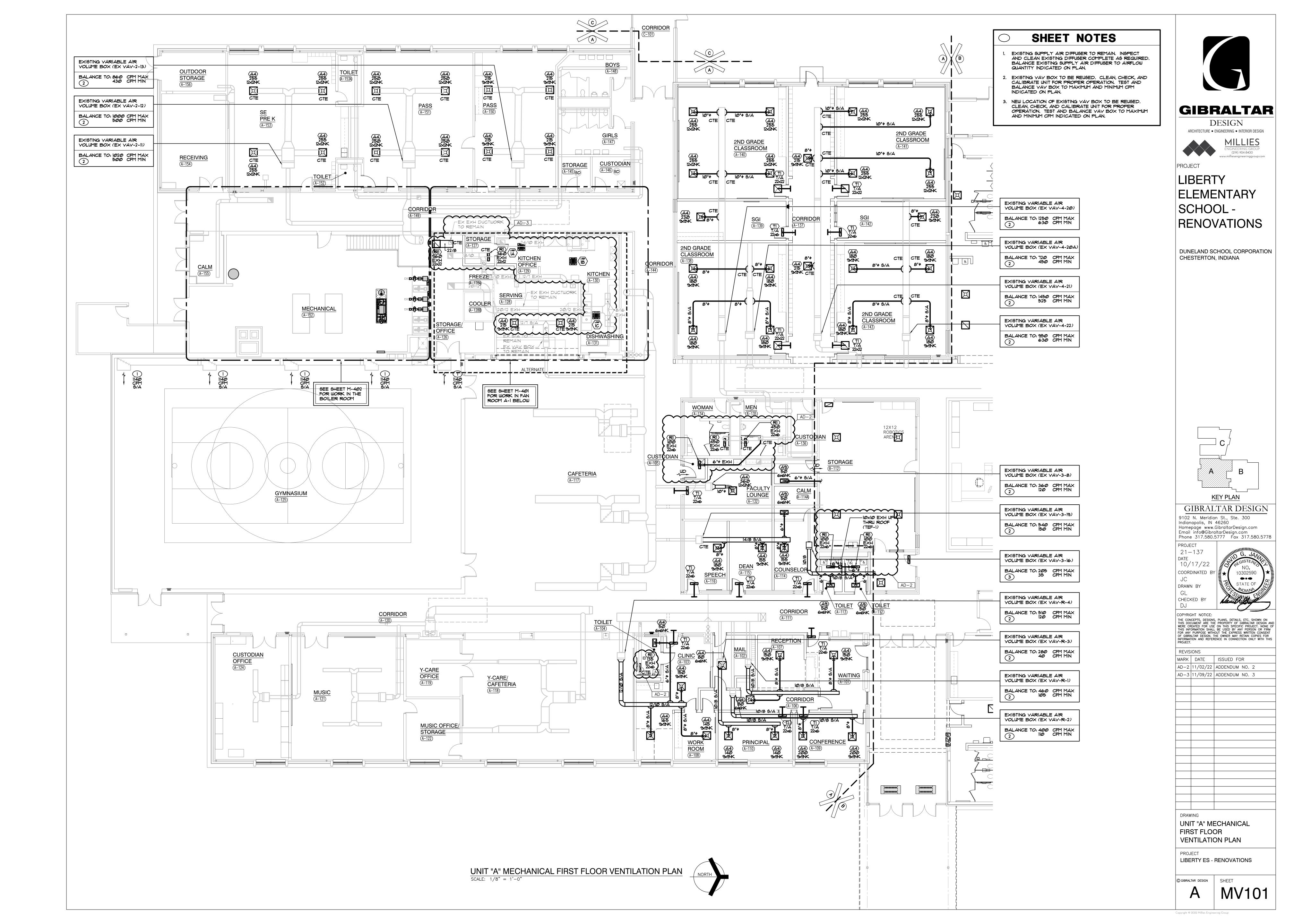
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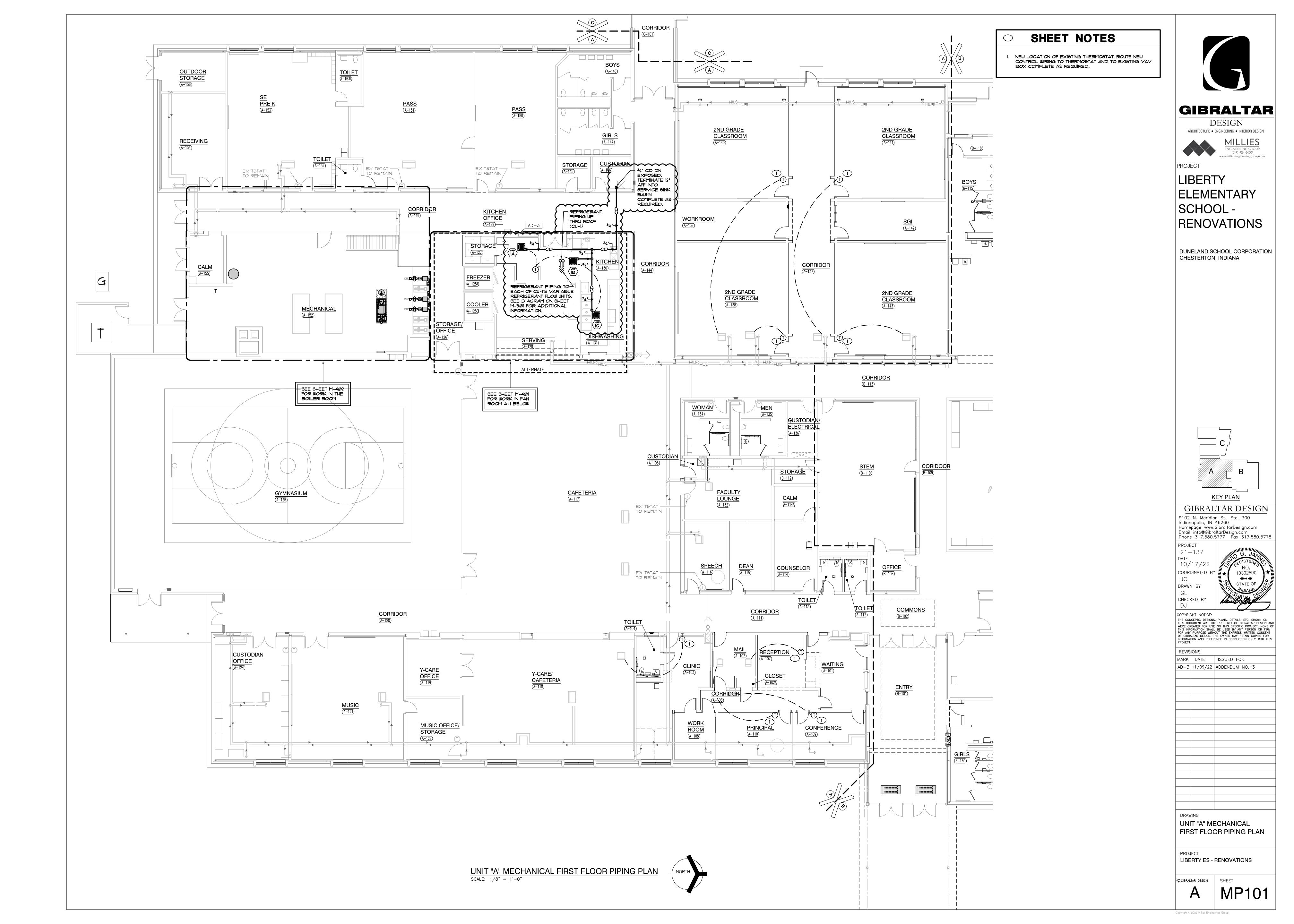
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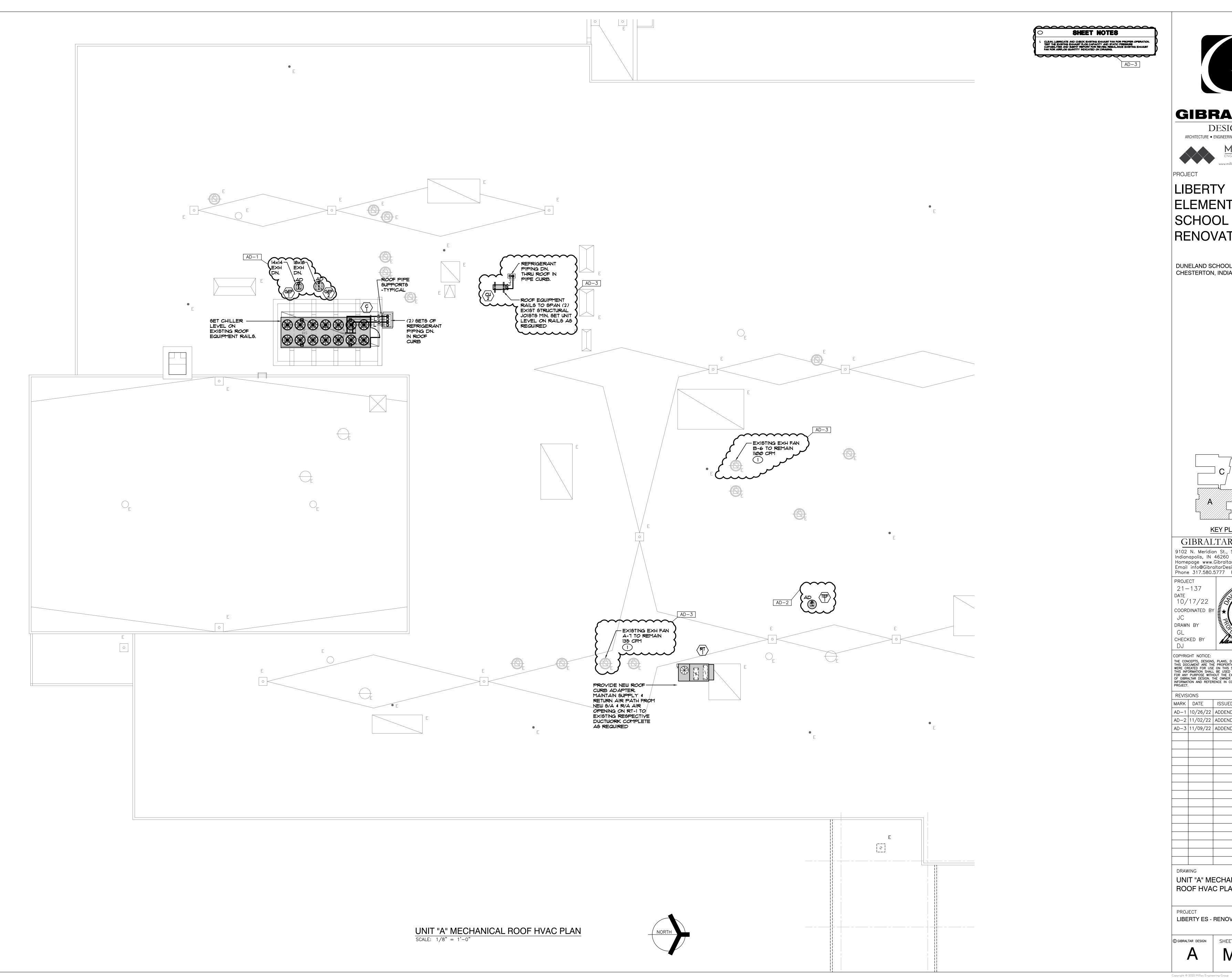
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SCALE 1/4" = 1'-0"











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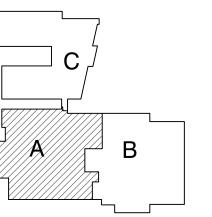
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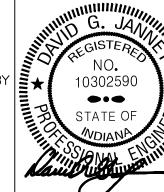
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AD-3	11/09/22	ADDENDUM	NO.	3

UNIT "A" MECHANICAL ROOF HVAC PLAN

LIBERTY ES - RENOVATIONS

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M-201





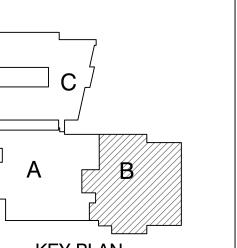
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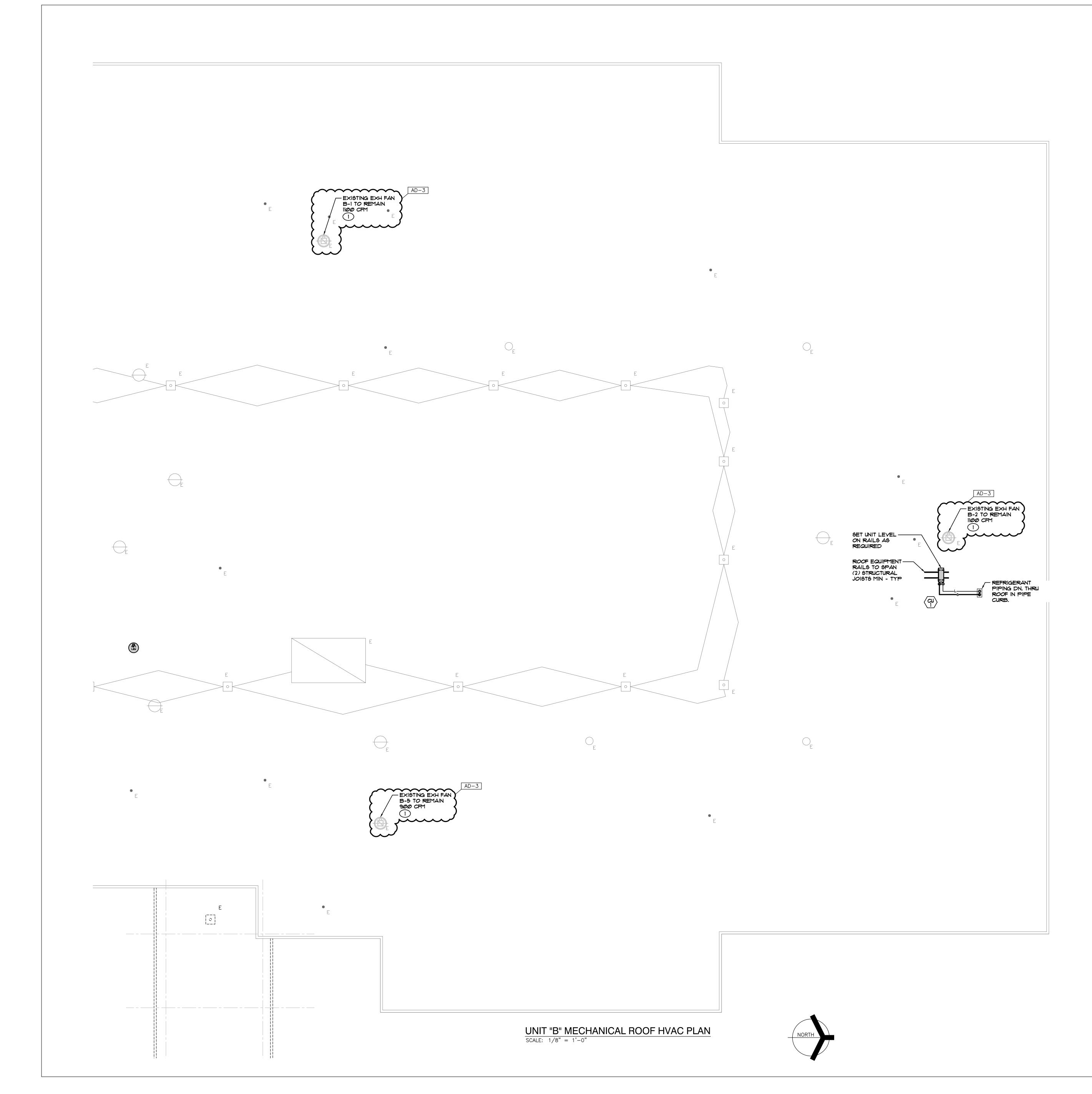
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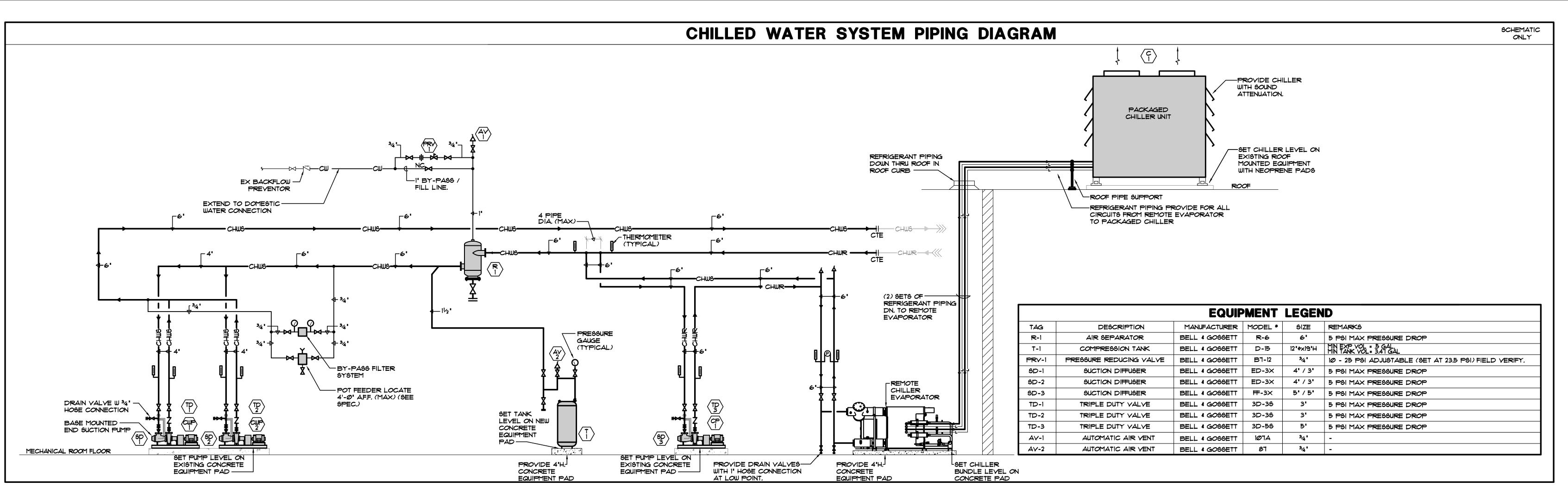
UNIT "B" MECHANICAL ROOF HVAC PLAN

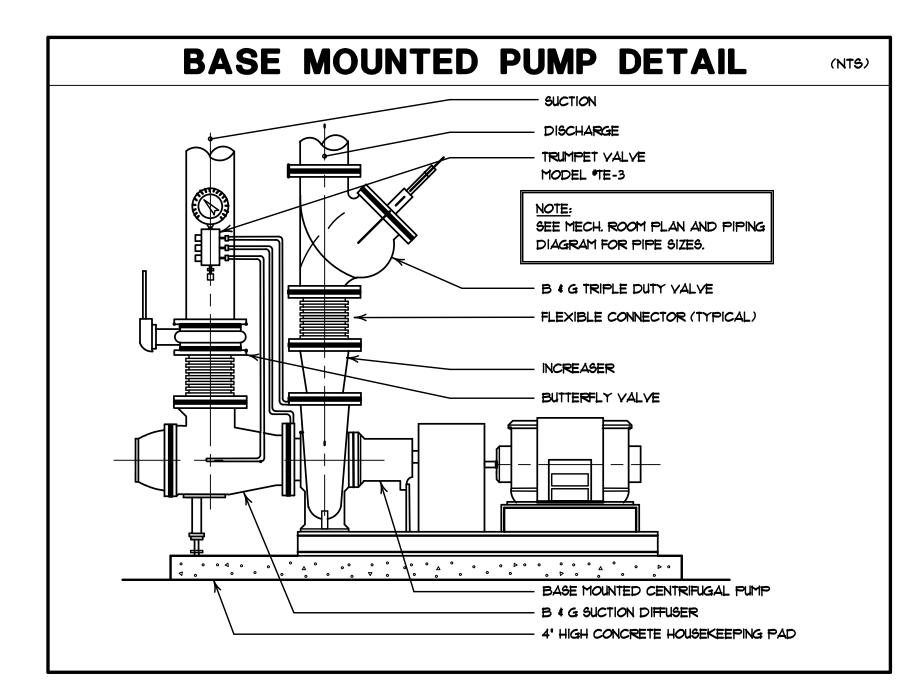
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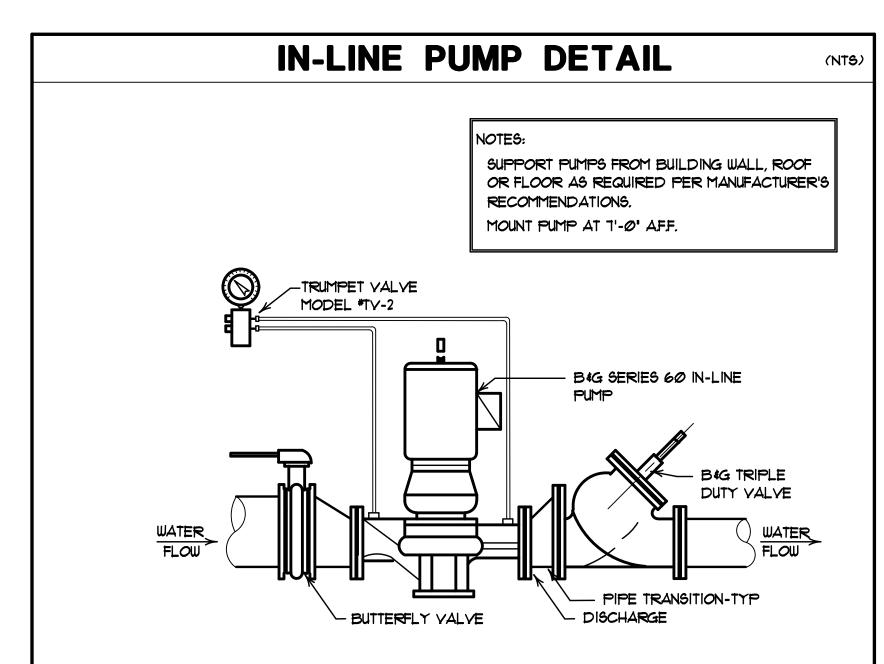
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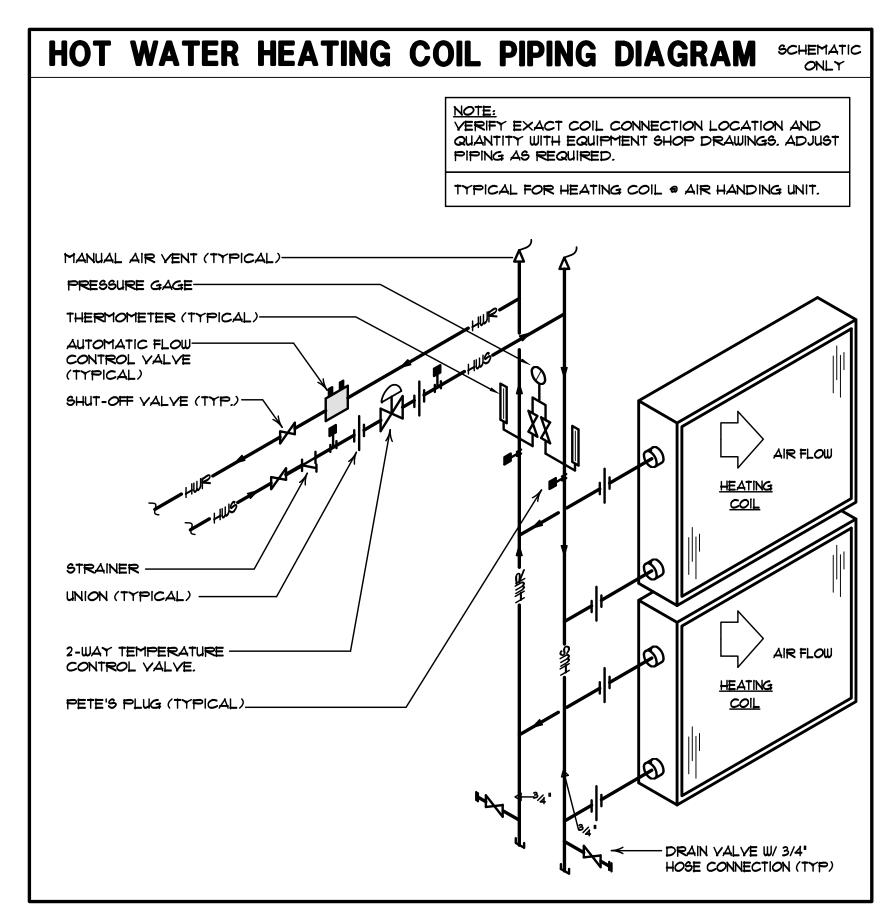
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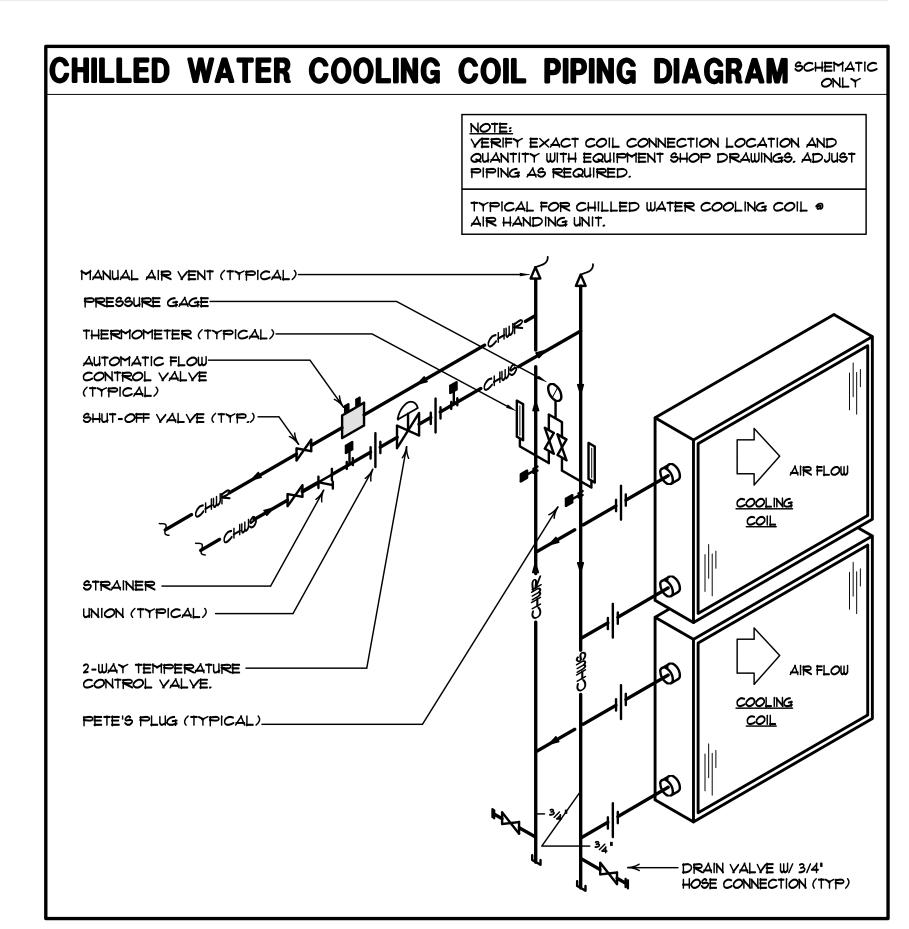


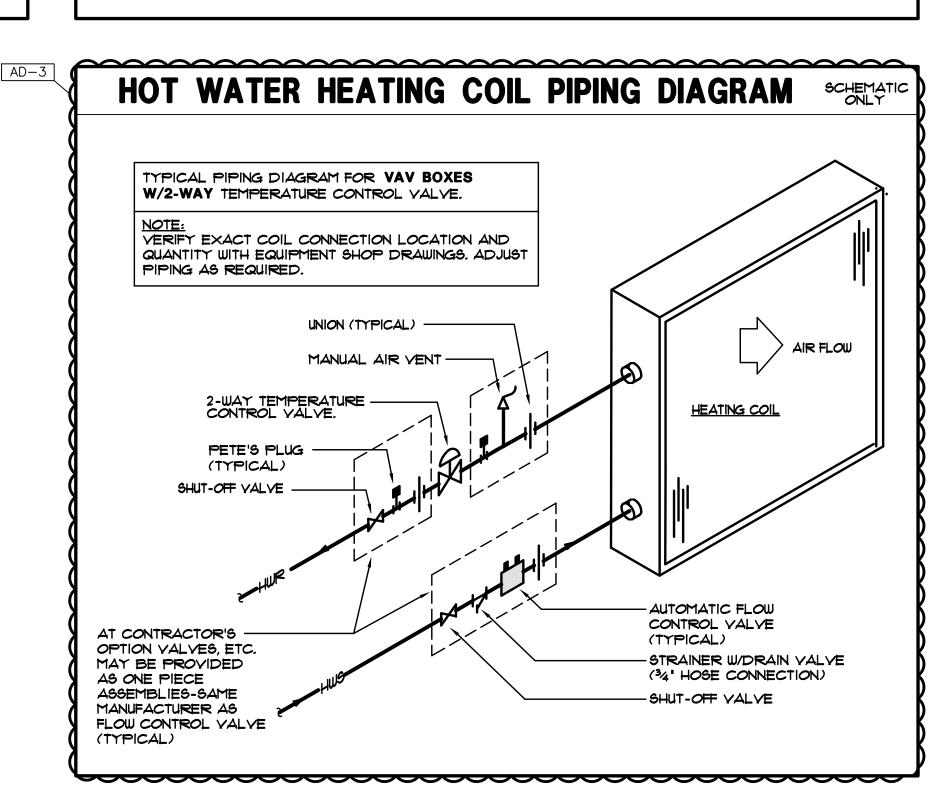














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JC
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KS
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					PLUMBII	NG FIXTURE SCHEDULE		
TAG	FIXTURE/EQUIPMENT	FIXTURE/EQUIPMENT	FIXTURE/EQUIPMENT	ACCEPTABLE	FIXTURE VALVE/FAUCET	FIXTURE VALVE/FAUCET	ACCEPTABLE	ACCESSORIES/REMARKS
NO.	TYPE	DESCRIPTION	MANUFACTURER AND MODEL NO.	MANUF.	TYPE	TYPE	MANUF.	(SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)
WC-1	WATER CLOSET	VITREOUS CHINA, WALL MOUNTED ADA	AMERICAN STANDARD 2257.101	NOTE 1	BATTERY SENSOR FLUSH VALVE, 16 GPF	AMERICAN STANDARD 6065161.002	NOTE 1	AMERICAN STANDARD 5901.100 SEAT
WC-2	WATER CLOSET	VITREOUS CHINA, WALL MOUNTED	AMERICAN STANDARD 2257.101	NOTE 1	BATTERY SENSOR FLUSH VALVE, 16 GFF	AMERICAN STANDARD 6065161.002	NOTE 1	AMERICAN STANDARD 5901.100 SEAT
UR-1	URINAL	VITREOUS CHINA, WALL MOUNTED, ADA	AMERICAN STANDARD 6590001	NOTE 1	BATTERY SENSOR FLUSH VALVE, Ø.125 GPF	AMERICAN STANDARD 6064013002	NOTE 1	-
L-1	LAVATORY	VITREOUS CHINA, WALL MOUNTED, 20"XIS" ADA	AMERICAN STANDARD Ø355Ø12	NOTE 1	05 GPM-BATTERY SENSOR4' CENTERS	AMERICAN STANDARD 605B205	NOTE 2	PROVIDED WITH THERMOSTATIC MIXING VALVE. MCGUIRE PW-2150-WC 1-1/2" PROWRAP, MCQUIRE H216TCCLK SUPPLIES, LAVATORY CHAIR CARRIER EQUIVILENT TO ZURN Z1231E
FD-1	FLOOR DRAIN	CAST IRON BODY, ADJUSTABLE 6'X6' NICKEL BRONZE TOP	ZLIRN Z4156	NOTE 3		·	····	VANDALPROOF SCREWS
FS-1	FLOOR SINK	CAST IRON, 6' DEEP, 8'x8' TOP	ZURN ZN1910-4NH-19-32	NOTE 3			-	ALUMINUM DOME STRAINER, SECURED HINGED GRATE, SLOPED RIM. TOP TO BE MOUNTED FLUSH WITH FLOOR
SI	9INK	1-COMPARTMENT STAINLESS STEEL SINK, 22 XIS-1/2 X5	ELKAT LRADO 221950	NOTE 4	TWO HANDLE, 4-GOOSENEOR, 15 GFM	ELRAY LK406GN0414	NOTE 5	ELKAY 99 STRAINER MCGUIRE 9-8912-C9DF P-TRAP, MCGUIRE 9126 TCCLK 9UPPLIES
S-2	SINK	1-COMPARTMENT STAINLESS STEEL SINK, 15 "x17-1/2"x5"	ELKAY LRADIS1050	NOTE 4	TWO HANDLE, 4" GOOSENECK, 1.5 GPM	ELKAY LK406GN04T4	NOTE 5	ELKAY *35 STRAINER, MCGUIRE *B-8912-CSDF P-TRAP, MCGUIRE *H2167CCLK SUPPLIES
S-3	SINK	TWO COMPARTMENT STAINLESS STEEL SINK, 29'XIS'X5'	ELKAY LRAD 291850	NOTE 4	TWO HANDLE, 8' GOOSENECK, 15 GPM	ELKAY LK406GN08T4	NOTE 5	(2) ELKAY *35 STRAINER, ELKAY *LK-53 DRAIN ASSEMBLY, MCGUIRE *H2167CCLK SUPPLIES
\	TEMPERED WATER VALVE	TEMPERED WATER VALVE	BRADLEY *659-4000A	NOTE 6	•••••••••••••••••••••••••••••••••••••••		~···	VALVE RATED AT 2 GPM • 5 P6L PRESSURE DROP (MIN FLOW 02 GPM)
MB-1	MOP BASIN	24x24x10 HIGH DENSITY COMPOSITE MOP BASIN	ZURN Z1996-24	NOTE 7	WALL MOUNTED SERVICE FAUCET	ZURN Z843M4	NOTE 8	W/ 3/4" HOSE THREAD, YACUUM BREAKER, WALL BRACE
RD-1	ROOF DRAIN	CAST IRON BODY, GRAVEL STOP, LARGE SUMP	ZURN ZIOO-NH-DP-EA	NOTE 3		-	-	-
OFRD-T	OVERTION ROOF DRAIN	CAST RON BODY, GRAVEL STOP, LARGE SUMP	20ml 2000-NH-DP-EA-04	NOTE 3			سبب	
NOTE 1: A	MERICAN STANDARD, KOH	ILER, ZURN, SLOAN, TOTO		NOTE 5: ELKAY, Z	URN, DELTA, SLOAN, CHICAGO FAUCET CO., AME	RICAN STANDARD, KOHLER		

TAG	FIXTURE/EQUIPMENT	FIXTURE/EQUIPMENT	FIXTURE/EQUIPMENT	ACCEPTABLE	ACCESSORIES/REMARKS			EL	ECTRICA	L DATA		
NO.	TYPE	DESCRIPTION	MANUFACTURER AND MODEL NO.	MANUF.	(SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)	ĦP	MCA	FLA	AMPS 1	10CP V	OLT 1	Ħ
EWC-1	ELECTRIC WATER COOLER	ELECTRIC WALL MOUNTED, W/BOTTLE FILLER	ELKAY LZS8WSLP	NOTE 1	·	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	·	5	~~~		120	<u>~</u>
WH-1	WATER HEATER	199 MBH, 235 GPH @ 100f., 100 GAL. STORAGE	A. O. SMITH BTH-199(A)	NOTE 2	TEMP. RELIEF VALVE, DRAIN VALVE PIPED TO FLOOR DRAIN	-	_	_	-	-	120	1

## **GENERAL NOTES**

A. WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, AND STATE PLUMBING

NOTE 6: LEONARD, POWERS, LAWLER, BRADLEY, SYMMONS

NOTE 8: ZURN, DELTA, T49 BRASS, CHICAGO FAUCET CO.

NOTE 7: ZURN, FIAT, MUSTEE, SWAN, ACORN

B. THE SCOPE OF WORK SPECIFIED HEREIN AND IN THE SPECIFICATIONS SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER - REFER TO THE SCOPE OF WORK FOR EACH TRADE. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND CONSTRUCTION MANAGERS SCOPE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR CLARIFICATION. THE ARCHITECT/ENGINEER'S DECISION SHALL BE FINAL.

NOTE 1: ZURN, DELTA, SLOAN, CHICAGO FAUCET CO., AMERICAN STANDARD, KOHLER

NOTE 3: ZURN, JOSAM, J.R. SMITH, MIFAB, WADE, WATTS

NOTE 4: ELKAY, JUST, KOHLER

- C. LAYOUT IS DIAGRAMMATIC. INSTALL PIPING AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING ANY WORK SUBMIT SHOP DRAWINGS OF WORK AS PER SPECIFICATIONS.
- D. COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY PIPING AND SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.
- E. FIELD VERIFY IF EXISTING ASBESTOS WILL BE ENCOUNTERED PRIOR TO STARTING ANY WORK. IF ASBESTOS IS PRESENT, THE OWNER WILL PROVIDE FOR THE REMOVAL OF ANY MATERIAL CONTAINING ASBESTOS. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- F. LAYOUT WORK TO AVOID CONFLICTS BETWEEN DUCTWORK, LIGHTING, CEILINGS, PIPING AND BUILDING STRUCTURE.
- G. SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT TIMES. REQUIRED SHUTDOWN OF EXISTING UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL. NOTIFY OWNER'S REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO ANY SHUTDOWN OF EXISTING PLUMBING
- H. COORDINATE VENT THROUGH ROOF LOCATIONS WITH OUTDOOR AIR INTAKE LOCATIONS TO MAINTAIN A MINIMUM SEPARATION OF TEN FEET.
- VISIT SITE PRIOR TO BIDDING TO DETERMINE FIELD CONDITIONS. YERIFY EXISTING INTERIOR AND EXTERIOR PLUMBING SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO DETERMINE EXTENT OF NEW AND DEMOLITION WORK, VERIFY EXISTING INTERIOR AND EXTERIOR STORM AND SANITARY PIPING SYSTEMS AS TO ROUTING, SIZE AND INVERT ELEVATION PRIOR TO ANY INSTALLATION OF NEW AND REMOVAL OF ANY
- COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. ANY EXISTING CONDUIT, PIPING, DUCTWORK, EQUIPMENT, ETC., SHALL BE REWORKED AS REQUIRED TO AVOID CONFLICTS WITH THE INSTALLATION OF THE NEW PLUMBING SYSTEMS. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE ANY CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, FIXTURES AND PIPING, ETC., SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK.
- K. REMOYE EXISTING EQUIPMENT, FIXTURES, PIPING, ETC. PRESENTLY SERVING AREAS THAT ARE BEING RENOVATED AND THAT ARE NOT REQUIRED TO STAY IN SERVICE. NO EQUIPMENT, FIXTURES, PIPING, SUPPORTS, HANGERS, ETC, IS TO BE LEFT ABANDONED. VERIFY QUANTITY, LOCATION AND ELEVATION OF EXISTING TO BE REMOVED IN FIELD. REMOVE EXISTING ABANDONED EQUIPMENT, FIXTURES AND PIPING IN AREAS THAT ARE TO BE
- EXISTING INFORMATION IDENTIFIED ON THE CONTRACT DOCUMENTS IS SCHEMATIC ONLY AS AN AID TO THE CONTRACTOR PROPERLY ADDRESS EXISTING CONDITIONS FOR A COMPLETE AND PROPER INSTALLATION OF NEW SYSTEMS. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE REPORTED IN WRITTEN FORM FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE
- ANY HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPORTED IN WRITTEN FORM FOR REVIEW AND DIRECTION, FAILURE TO DO SO SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR ANY REQUIRED CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION.
- REMOVED PIPING IS TO BE TERMINATED PROPERLY BACK TO EXISTING MAINS. CAP PIPING WATERTIGHT. PROVIDE ADDITIONAL PIPING AS REQUIRED TO MAINTAIN CONTINUITY OF EXISTING SYSTEMS MODIFIED DUE TO REMOVAL OF PORTION OF SYSTEMS.
- O. PATCH EXISTING CEILING, FLOOR, WALL AND ROOF OPENINGS AND SURROUNDING FINISHES RESULTING FROM REMOVAL OF EXISTING MATERIALS AND EQUIPMENT SO THAT FINISH WILL MATCH EXISTING IN SURROUNDING AREAS.
- P. PROVIDE FINISHING OF EXISTING CEILING, FLOOR, AND WALL SURFACES AT LOCATIONS AFFECTED BY REMOVAL OF EXISTING MATERIALS AND EQUIPMENT SO THAT NEW FINISH WILL MATCH EXISTING IN SURROUNDING
- Q. REMOVE EXISTING CEILINGS REQUIRED FOR INSTALLATION OF NEW WORK. REINSTALL CEILING UPON COMPLETION OF WORK. REPLACE DAMAGED CEILING MATERIALS TO MATCH EXISTING.

- R. PROVIDE CUTTING, CORE DRILLING AND PATCHING OF EXISTING FLOOR, WALL AND ROOF CONSTRUCTIONS REQUIRED FOR THE INSTALLATION OF NEW PIPING. SEAL PENETRATIONS THROUGH FLOOR, WALL AND ROOF STRUCTURE WATERTIGHT AND WITH AN APPROVED FIRE STOPPING MATERIAL, INCLUDING APPROVED FIRE RATED SLEEVE.
- 5. PROVIDE AND INSTALL PLENUM WRAP, TESTED TO UL 84 AND UL 910, ON ALL EXISTING PVC PIPING IN NEW OR EXISTING RETURN AIR CEILING
- T. PROVIDE CUTTING, TRENCHING AND PATCHING OF EXISTING FLOOR SLAB

REQUIRED FOR THE INSTALLATION OF NEW UNDERGROUND PIPING.

- U. PROVIDE ROUGH-IN AND FINAL CONNECTIONS TO PLUMBING EQUIPMENT AND FIXTURES. SET FIXTURES/EQUIPMENT AND FURNISH AND INSTALL NECESSARY
- FITTINGS, TRAPS, STOPS, ETC. AS REQUIRED. Y. PLUMBING PIPING ROUTING TO BE FIELD COORDINATED WITH NEW AND EXISTING HYAC DUCTWORK, HYAC PIPING, FIRE PROTECTION PIPING,
- ELECTRICAL AND STRUCTURE TO ENSURE NO CONFLICTS WILL OCCUR DUE
- W. PIPING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- X. ISOLATION VALVES SHALL BE INSTALLED OVER ACCESSIBLE CEILINGS. WHEN ISOLATION VALVES ARE INSTALLED OVER INACCESSIBLE CEILING AREAS, IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO FURNISH AND INSTALL 12" X 12" (MINIMUM) CEILING ACCESS DOORS, TYPE TO BE VANDALPROOF, TAMPERPROOF ASSEMBLIES. INSTALLATION TO BE COORDINATED WITH GENERAL CONTRACTOR
- Y. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR FINAL MOUNTING HEIGHTS OF PLUMBING FIXTURES.
- Z. PROTECT NEW AND EXISTING DRAIN OPENINGS AND SANITARY LINES DURING CONSTRUCTION TO PREVENT BLOCKAGE. ROD-OUT EXISTING SANITARY
- AA. REPAIR AND/OR REPLACE DAMAGED PIPE INSULATION THAT OCCURS AS
- THE RESULT OF THIS CONSTRUCTION.
- SEALED TO MAKE AIRTIGHT. REFER TO MECHANICAL DUCTWORK DRAWINGS FOR AIR PLENUM LOCATIONS.
- AC. YIDEOTAPE EXISTING SANITARY MAIN TO CONFIRM EXISTING BRANCH SANITARY CONNECTION POINTS, INVERTS AND CONDITION OF PIPING AS REQUIRED TO COMPLETE WORK, PROVIDE REPORT INDICATING CONNECTION POINT LOCATIONS, INVERTS, ANDANY DEFICIENCIES IN EXISTING SANITARY PIPING SYSTEM PRIOR TO STARTING WORK.

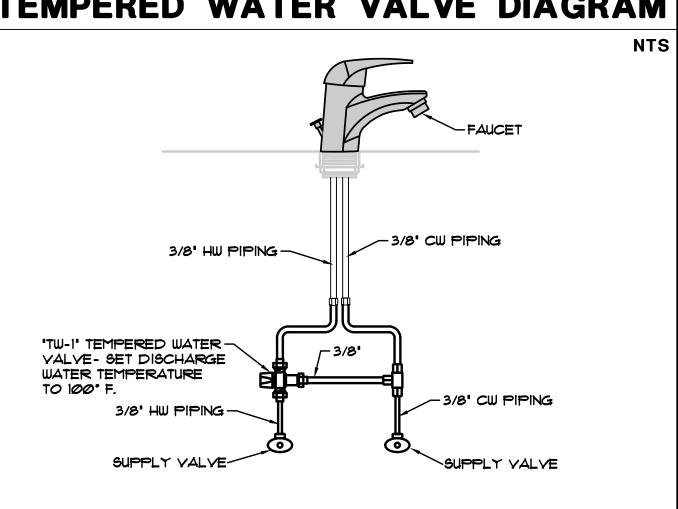
# SYMBOL LIST

PIPING. PIPING SHALL BE FREE OF BLOCKAGE.

AB. PIPING PENETRATING AIR PLENUM CEILING AREAS SHALL BE PROPERLY

#### EXISTING UNDERGROUND SANITARY PIPING EXISTING COLD WATER PIPING EXISTING HOT WATER PIPING EXISTING HOT WATER RECIRCULATION PIPING EXISTING PIPING ---- EXISTING PIPING TO BE REMOVED OR ABANDONED NEW UNDERGROUND SANITARY SEWER NEW COLD WATER PIPING NEW HOT WATER PIPING ---- NEW HOT WATER RECIRCULATION PIPING NEW YENT PIPING PIPE DOWN PIPE UP SHUT-OFF YALVE CHECK YALVE BALANCING COCK/MANUAL FLOW CONTROL VALVE SHEET NOTE TAG CTE CONNECT TO EXISTING COLD WATER DN EWC ELECTRIC WATER COOLER EX EXISTING FC0 FLOOR CLEANOUT FLOOR DRAIN HOT WATER HOT WATER RECIRCULATION LAYATORY YENT THROUGH ROOF WATER CLOSET

## TEMPERED WATER VALVE DIAGRAM





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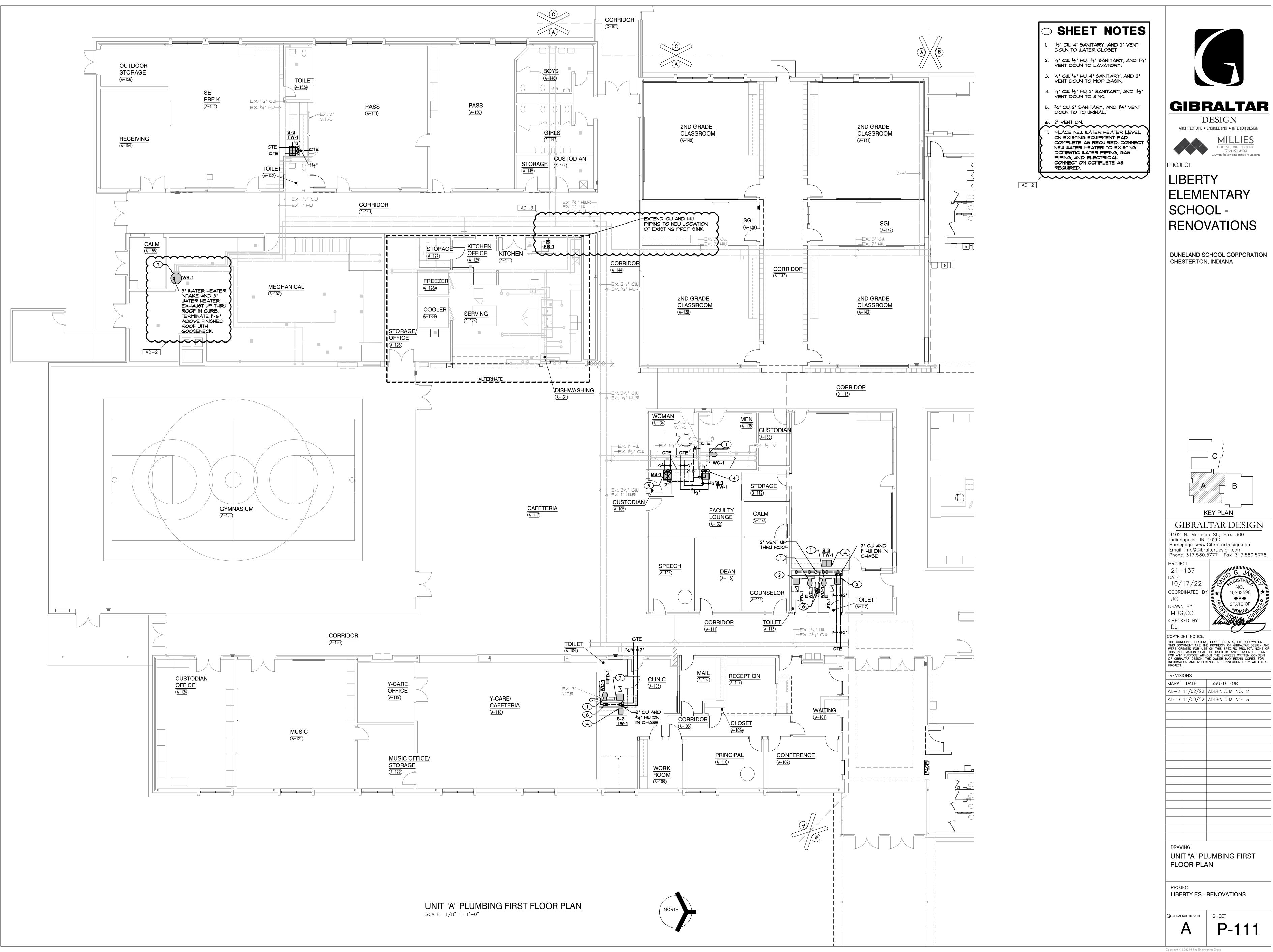
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NOTES, SYMBOLS & **ABBREVIATIONS** 

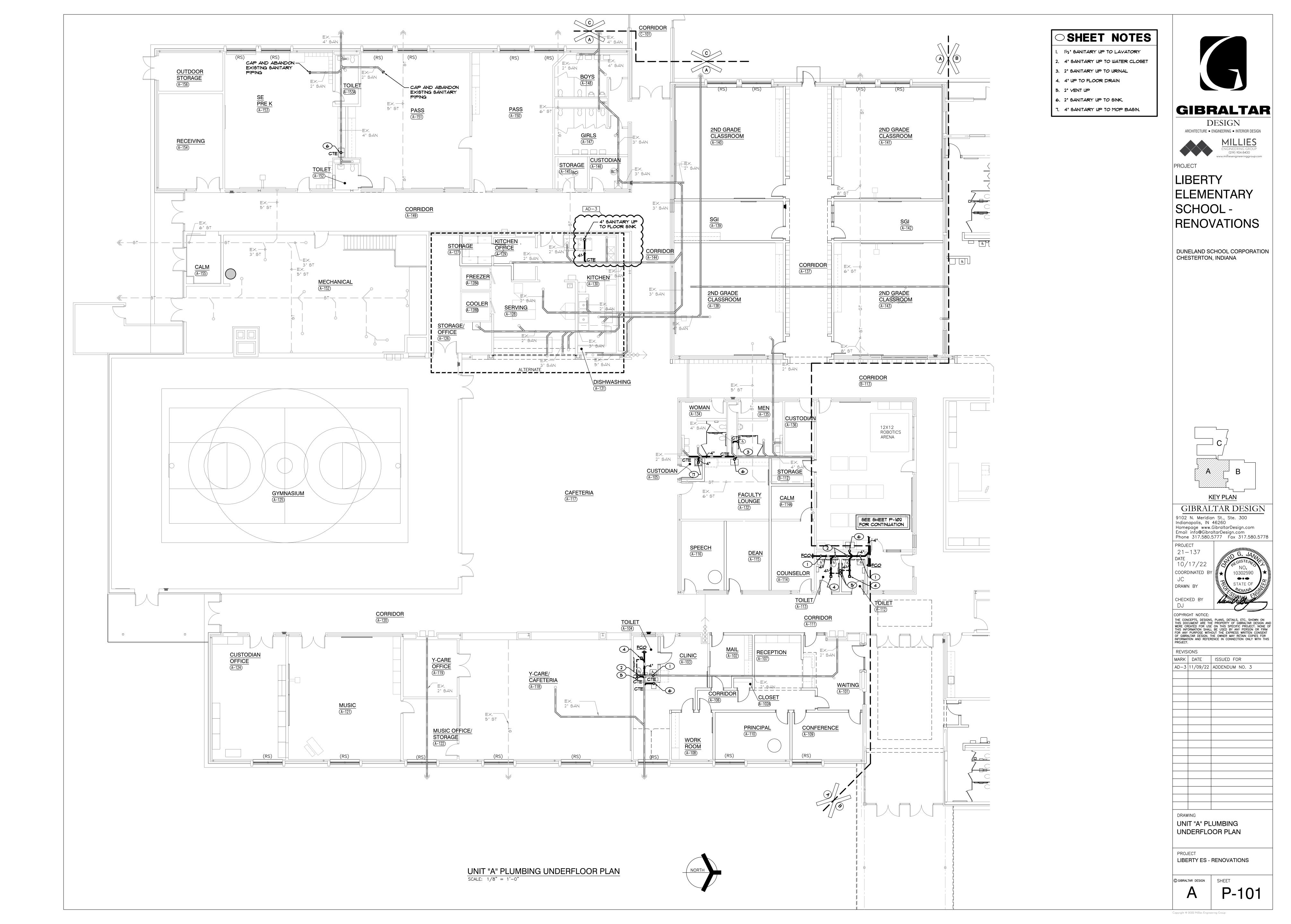
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#### SYMBOL LIST

#### **TECHNOLOGY**

- AIPHONE EXTERIOR DOOR INTERCOM SYSTEM, MOUNTED 48' A.F. PROVIDE LE BACK BOX WITH 3/4" CONDUIT ROUTED TO THE ACCESSIBLE CEILING SPACE.
- AIPHONE INTERIOR DOOR INTERCOM SYSTEM, MOUNTED ON OWNER'S DESK. PROVIDE BACK BOX AT 42' A.F. WITH 34' CONDUIT ROUTED TO THE ACCESSIBLE
- AIPHONE DOOR INTERCOM POWER SUPPLY. CONNECT TO NEAREST LOCAL RECEPTACLE.
- SCOREBOARD JUNCTION BOX MOUNTED 18' AF OR AS NOTED

OPERATING SYSTEM.

- SCORERS TABLE OUTLET MOUNTED IS' A.F.F. OR FLUSH IN FLOOR, AS INDICATED
- ELECTRIC DOOR STRIKE STUB 3/4" CONDUIT FROM THE ACCESSIBLE CEILING SPACE TO THE DOOR MULLION FOR WIRING. INTERFACE WIRING FROM THE DOOR STRIKE TO THE DOOR ACCESS SYSTEM FOR A COMPLETE AND PROPERLY
- HOLD OPEN RELEASE ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION
- VIDEO INTERCOM CALL STATION ROUGH-IN ONLY REFER TO TECHNOLOGY

DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

- VIDEO INTERCOM MASTER STATION ROUGH-IN ONLY REFER TO TECHNOLOGY
- DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION KEYPAD - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT,
- WIRING AND ROUGH-IN INFORMATION
- DOOR RELEASE ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION
- CONDUIT, WIRING AND ROUGH-IN INFORMATION

DOOR STATUS SENSOR - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR

- PROXIMITY CARD READER ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION
- VOLUME CONTROL ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION
- SPEAKER ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION
- ANALOG CLOCK ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION
- MIC INPUT ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION.
- YOICE/DATA OUTLET ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR

CONDUIT, WIRING AND ROUGH-IN INFORMATION.

WIRING AND ROUGH-IN INFORMATION.

WIRING AND ROUGH-IN INFORMATION

ROUGH-IN.

- DATA OUTLET ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT,
- LED CLOCK ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT,
- SPEAKER, HORN TYPE ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION
- VIDEO PROJECTOR ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION, COORDINATE EXACT MOUNTING HEIGHT OF ADJACENT POWER OUTLET WITH LOW YOLTAGE EQUIPMENT INSTALLER PRIOR TO
- FLAT PANEL ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT. WIRING AND ROUGH-IN INFORMATION, COORDINATE EXACT MOUNTING HEIGHT OF ADJACENT POWER OUTLET WITH LOW VOLTAGE EQUIPMENT INSTALLER PRIOR TO
- VIDEO SURVEILLANCE CAMERA OUTLET EXTERIOR WALL ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION.
- VIDEO SURVEILLANCE CAMERA OUTLET CEILING MOUNTED ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION.
- SOUND CABINET ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION.
- WIRELESS LAN ACCESS POINT CEILING MOUNTED ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION.
- BUILDING AUTOMATION SYSTEMS ROUGH-IN ONLY REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION.
- WALKER RFB4 SERIES FLUSH FLOOR BOX WITH TWO (2) 20A GROUNDED DUPLEX RECEPTACLES AND ROUGH-IN FOR DATA JACKS - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION FOR LOW YOLTAGE ROUGH-IN.

PROVIDE SCRUB-RESISTANT COVER AND COORDINATE FINISH WITH ARCHITECT.

#### **EQUIPMENT AND WIRING**

- JUNCTION BOX SIZE AND TYPE AS REQUIRED.
- FLEX CONDUIT CONNECTION
- JUNCTION BOX W/ FLEX CONDUIT CONNECTION.
- ELECTRIC MOTOR CONNECTION PROVIDE LOCAL DISCONNECT SWITCH PER NATIONAL ELECTRIC CODE - CONNECT MISCELLANEOUS ACCESSORIES SUCH AS BACK DRAFT DAMPERS, ETC. COMPLETE AS REQUIRED.
- ELECTRIC PANELBOARDS.
- DISCONNECT SWITCH SIZE AND TYPE AS REQUIRED COORDINATE AMPERE RATING WITH EQUIPMENT SUPPLIER
- COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH.
- MAGNETIC STARTER
- TRANSFORMER SIZE AND TYPE AS REQUIRED
- SURGE SUPPRESSION DEVICE
- TELEPHONE TERMINAL BOARD
- CONDUIT STUB INTO ACCESSIBLE CEILING SPACE TERMINATE W/ INSULATING BUSHING
- CONDUIT CONCEALED ABOVE CEILING OR IN WALL
- CONDUIT CONCEALED IN OR BELOW FINISHED FLOOR
- ----- CONDUIT EXPOSED ON CEILING, WALL OR BAR JOIST ROUTED IN NEAT MANNER
- $\mathcal{N}_{\mathsf{M}\mathsf{A}}$  | FLEXIBLE CONDUIT ROUTED IN NEAT MANNER WITHIN CHASE OF CASEWORK. /LP-AI # HOMERUN TO PANEL INDICATING PANEL AND CIRCUIT BREAKER NUMBER WITHIN THE PANEL.
- INDICATES NUMBER OF CONDUCTORS IN CONDUIT (CONTRACTOR SHALL VERIFY AND INSTALL ADDITIONAL WHERE REQUIRED) CROSS HATCHED INDICATES NUMBER OF CONDUCTORS (HOT OR SWITCHED LEG, NEUTRAL, GROUND)
- DOOR OPERATOR PUSH BUTTON FURNISHED BY OTHERS, WIRED AND INSTALLED BY CONTRACTOR. PROVIDE TWO (2) GANG BACK-BOX MOUNTED AT 42' A.F.F. WITH 34'C.
- ROUTED DOOR OPERATOR. BWING DOOR OPERATOR FURNISHED AND INSTALLED BY OTHERS, WIRED BY
- CONTRACTOR. COORDINATE ELECTRICAL LOCATION WITH DOOR HARDWARE
- HAND DRYER (MODEL SPECIFIED BY ARCHITECT), REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATION.
- FLUSH IN FLOOR BOX, SIZE AND TYPE AS REQUIRED. VERIFY IN FIELD EXACT CONDITIONS AND REQUIREMENTS PRIOR TO ROUGH-IN. FURNISH AND INSTALL ACCESSORIES AND APPURTENANCES AS REQUIRED FOR A COMPLETE AND PROPERLY OPERATING SYSTEM.
- CONDUIT STUB UP OUT OF FLOOR

## SHEET SYMBOLS

- HEXAGON TAG REFERENCE TO EQUIPMENT CONNECTION SCHEDULE ELLIPSE TAG REFERENCE TO SHEET NOTES
- TWO DEVICE MOUNTED UNDER COMMON COVER. WHERE LOW YOLTAGE DEVICES ARE MOUNTED UNDER COMMON COVER, COMBINE CONDUIT STUBS MAINTAINING THE EQUIVALENT FREE AREA FOR THE LOW YOLTAGE CABLING.

#### FIRE ALARM

### FIRE ALARM DEVICES, MOUNTING HEIGHT, ETC. SHALL COMPLY WITH 'ADA' STANDARDS.

MOTORIZED DAMPER - E.C. TO INTERLOCK COMPLETE AS REQUIRED.

- FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR PANEL
- KNOX BOX PER THE LOCAL FIRE DISTRICT STANDARDS, AT THE LOCATION INDICATED. PROVIDE BOTH POWER AND SMOKE EVACUATION KEY CONTROLS.
- VERIFY ELEVATION OF DEVICE WITH THE LOCAL FIRE DISTRICT PRIOR TO INSTALLING SAME. WHERE REQUIRED, FURNISH AND INSTALL A FLASHING ANNUNCIATOR, TIED TO THE FIRE ALARM SYSTEM, TO IDENTIFY LOCATION OF THE KNOX BOX.
- AUTOMATIC DIALER FOR FIRE, ELEVATOR, AND/OR SECURITY SYSTEM. EXTEND (2) TELEPHONE LINES TO EACH DIALER FROM T.T.B.
- FIRE ALARM SPEAKER / STROBE WITH 110 CANDELA MTD. 80" A.F. OF 6" BELOW FINISHED CEILING WHICHEVER IS LOWER
- FIRE STROBE MTD 80" AFF. 15 CANDELA
- FIRE ALARM SPEAKER / STROBE MTD 80' AFF. 15 CANDELA
- CEILING MOUNTED FIRE ALARM SPEAKER, PROVIDE RECESSED UNITS WHERE CEILINGS EXIST AND SURFACE MOUNT UNITS IN EXPOSED CEILING AREAS.
- FIRE ALARM SYSTEM HEAT DETECTOR COMBINATION TYPE (R/R FIXED TEMP.) IN BOILER ROOM
- FIRE ALARM SYSTEM SMOKE DETECTOR CEILING MOUNTED ABOVE FACP
- FIRE ALARM SYSTEM DUCT TYPE SMOKE DETECTOR WIRED TO CONTROL LOCAL FAN SHUT DOWN RELAY - DUCT DETECTOR TO BE MOUNTED IN AIR DUCT SYSTEM AND WIRED PER MANUFACTURER'S RECOMMENDATIONS AND NFPA 12
- FIRE ALARM CONTROL RELAY IN AIR HANDLING UNIT CONTROL PANEL WIRED TO SHUT DOWN FANS UPON FIRE ALARM SYSTEM ACTIVATION - NOTE: FANS TO AUTOMATICALLY RESTART UPON FIRE ALARM SYSTEM RESET. ALSO, RELAYS SHALL BE INTERFACED TO FIRE DOORS TO DISENGAGE UPON ACTIVATION OF
- THE FIRE ALARM SYSTEM. SMOKE FIRE DAMPER, CONNECT CONTROL WIRING TO ASSOCIATED SMOKE DUCT
- SMOKE DAMPER, CONNECT CONTROL WIRING TO ASSOCIATED SMOKE DUCT

DETECTORS.

- FIRE PROTECTION SPRINKLER FLOW SWITCH FIRE PROTECTION SPRINKLER TAMPER SWITCH
- FIRE PROTECTION SPRINKLER ALARM BELL INSTALLED AND WIRED
- ELECTROMAGNETIC WALL MOUNTED DOOR HOLDER OR WIRE HARDWARE INSTALLED DOOR CLOSER COMPLETE AS REQUIRED, CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING STYLE WITH DOOR SCHEDULE PRIOR TO ROUGHING IN FOR SAME.

#### **SWITCHING**

- GENERAL PURPOSE 1-POLE SWITCH (TYPICAL MOUNTED 42" A.F.F.) (HUBBELL #1221 OR EQUAL) PROVIDE LOW YOLTAGE STYLE SWITCH WHERE REQUIRED TO INTERFACE WITH LIGHTING CONTROL POWER PACK TO ACCOMPLISH REQUIRED LIGHTING CONTROL
- GENERAL PURPOSE 3-WAY SWITCH MTD 42" AFF (HUBBELL #1223 OR EQUAL) PROVIDE LOW VOLTAGE STYLE SWITCH WHERE REQUIRED TO INTERFACE WITH LIGHTING CONTROL POWER PACK TO ACCOMPLISH REQUIRED LIGHTING CONTROL SEQUENCE.
- GENERAL PURPOSE FOUR WAY SWITCH MTD. 42" AFF (HUBBELL #1224 OR EQUAL) PROVIDE LOW YOLTAGE STYLE SWITCH WHERE REQUIRED TO INTERFACE WITH LIGHTING CONTROL POWER PACK TO ACCOMPLISH REQUIRED LIGHTING CONTROL SEQUENCE.
- FURNISH AND INSTALL WALL SWITCH SINGLE BUTTON DUAL TECHNOLOGY OCCUPANCY SENSOR WITH MANUAL ON OPERATION MTD 42" AFF: SENSORSWITCH \*WSX-PDT OR
- APPROVED EQUAL BY EATON, LEVITON OR HUBBELL CONTROLS. 0-10Y DIMMER SWITCH - (TYPICAL - MOUNTED 42" A.F.F.) (PROVIDE LEVITON OR LUTRON DIMMER - COORDINATE EXACT MODEL WITH OWNER AND WITH FIXTURE
- MANUFACTURER FOR COMPATIBILITY) FURNISH AND INSTALL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH POWER PACK. MANUFACTURERS: SENSORSWITCH \*CM-PDT-10-MP-20 (WITH MICROPHONICS) OR APPROVED EQUAL BY EATON, LEVITON OR HUBBELL CONTROLS.
- FURNISH AND INSTALL CEILING MOUNTED HIGH BAY OCCUPANCY SENSOR WITH POWER PACK. MANUFACTURERS: SENSORSWITCH \*CM-6 OR APPROVED EQUAL BY COOPER OR HUBBELL CONTROLS. SENSOR SHALL BE PROGRAMMED FOR MANUAL ON UNLESS

SENSOR SHALL BE PROGRAMMED FOR MANUAL ON UNLESS OTHERWISE NOTED.

- FURNISH AND INSTALL CEILING MOUNTED PIR HIGH BAY OCCUPANCY SENSOR WITH POWER PACK AND WIREGUARD PROTECTION. MANUFACTURERS: N-LIGHT \*NCM-6 OR APPROVED EQUAL BY EATON, LEVITON OR HUBBELL CONTROLS. SENSOR SHALL BE
- PROGRAMMED FOR MANUAL ON UNLESS OTHERWISE NOTED. EXTERIOR LIGHTING CONTROL PHOTOCELL

OTHERWISE NOTED.

- UTILITY CONTROLLER FOR SCIENCE LAB SHUT OFF SWITCHES AND EQUIPMENT RECESSED MOUNTED IN WALL. REFER TO THE SCIENCE ROOM SHUT-OFF SCHEMATIC WIRING DIAGRAM FOR ADDITIONAL INFORMATION.
- GYMNASIUM LIGHTING CONTROL SWITCH (TYPICAL MTD AT 42" AFF) REFER TO
- DETAIL FOR ADDITIONAL INFORMATION.
- KEY OPERATED TOGGLE TYPE SWITCH

EQUIPMENT SUPPLIER.

- PROJECTOR SCREEN SWITCH ROUGH-IN. PROVIDE SUITABLE BACK BOX AND STAINLESS STEEL ENGRAVED COVER PLATE FOR SWITCH DEVICES FURNISHED BY
- MANUAL STARTING SWITCH WITH THERMAL OVERLOAD PROTECTION
- WIRELESS CEILING MOUNTED DAYLIGHT HARVESTING SENSOR BY N-LIGHT

## **RECEPTACLES**

- 120Y-20A SPECIFICATION GRADE DUPLEX RECEPTACLE (MOUNTED 18' AFF. OR AS NOTED) (HUBBELL #5362 OR EQUAL).
- 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE (MOUNTED 42" A.F.F. OR 2" ABOVE BACKSPLASH IF LOCATED ABOVE COUNTER) (HUBBELL #5362 OR EQUAL)

PROTECTION - (MOUNTED 18" A.F.F. OR AS NOTED) (HUBBELL "GF20 OR EQUAL)

- 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE (MOUNTED AT SPECIAL
- HEIGHT COORDINATE IN FIELD) (HUBBELL #5362 OR EQUAL) 120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH G.F.I.
- 120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH G.F.I. PROTECTION (MOUNTED 42" A.F.F. OR 2" ABOVE BACKSPLASH IF LOCATED ABOVE

SPECIAL PURPOSE OUTLET (AS NOTED ON PLAN OR SPECIFICATIONS).

COUNTER) (HUBBELL \*GF20 OR EQUAL)

ACCESSIBLE CEILING SPACE.

- REEL CORD WITH 45' CORD AND 20A DUPLEX GFCI RECEPTACLE, HUBBELL
- \*HBL45123GF20 OR EQUAL, COMPLETE WITH BALL STOP, AND ALL OTHER APPURTENANCES NECESSARY FOR A COMPLETE AND PROPER INSTALLATION. MOUNT REEL CORD TO THE STRUCTURE ABOVE OR TO THE CEILING GRID (WHERE CEILINGS EXIST). VERIFY CONDITIONS, REQUIREMENTS AND LOCATIONS IN FIELD PRIOR TO ROUGH-IN.
- PROVIDE LOW YOLTAGE FURNITURE FEED. PROVIDE 2 GANG BACK BOX WITH 2" CONDUIT TO THE ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. EXTEND 2" FLEXIBLE CONDUIT TO THE FURNITURE. COORDINATE REQUIREMENTS WITH FURNITURE SUPPLIER.
- ELECTRICAL POWER FURNITURE FEED. PROVIDE 2 GANG BACK BOX AND EXTEND 7(F)- I' FLEXIBLE CONDUIT TO THE FURNITURE. COORDINATE REQUIREMENTS WITH THE FURNITURE SUPPLIER.

COORDINATE EXACT MOUNTING HEIGHT PRIOR TO ROUGH-IN.

WIREMOLD \*RC4 SERIES POKE THROUGH DEVICE WITH ALUMINUM FLANGE AND BLACK FACE PLATE. PROVIDED WITH TWO (2) DUPLEX RECEPTACLES, TWO (2) DATA JACKS. PROVIDE CAT-6 PLENUM CABLE, FROM EACH JACK, TO NEAREST IDF OR MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH, PROVIDE WITH SCRUB RESISTANT GASKETING AND ALL PROPER ACCESSORIES TO BE INSTALLED THROUGH THE FLOOR. PROVIDE COMMUNICATION ADAPTER TO PROPERLY ROUTE LOW VOLTAGE WIRING TO THE

FLUSH IN WALL "TY" PANEL CONSISTING WITH ONE (1) DUPLEX RECEPTACLE MOUNTED IN A BACK BOX. REFER TO TECHNOLOGY DRAWINGS FOR SEPARATE 2-GANG BACK BOX WITH DATA JACK AND CABLING BACK AS INDICATED IN 'T' SERIES OF SHEETS.



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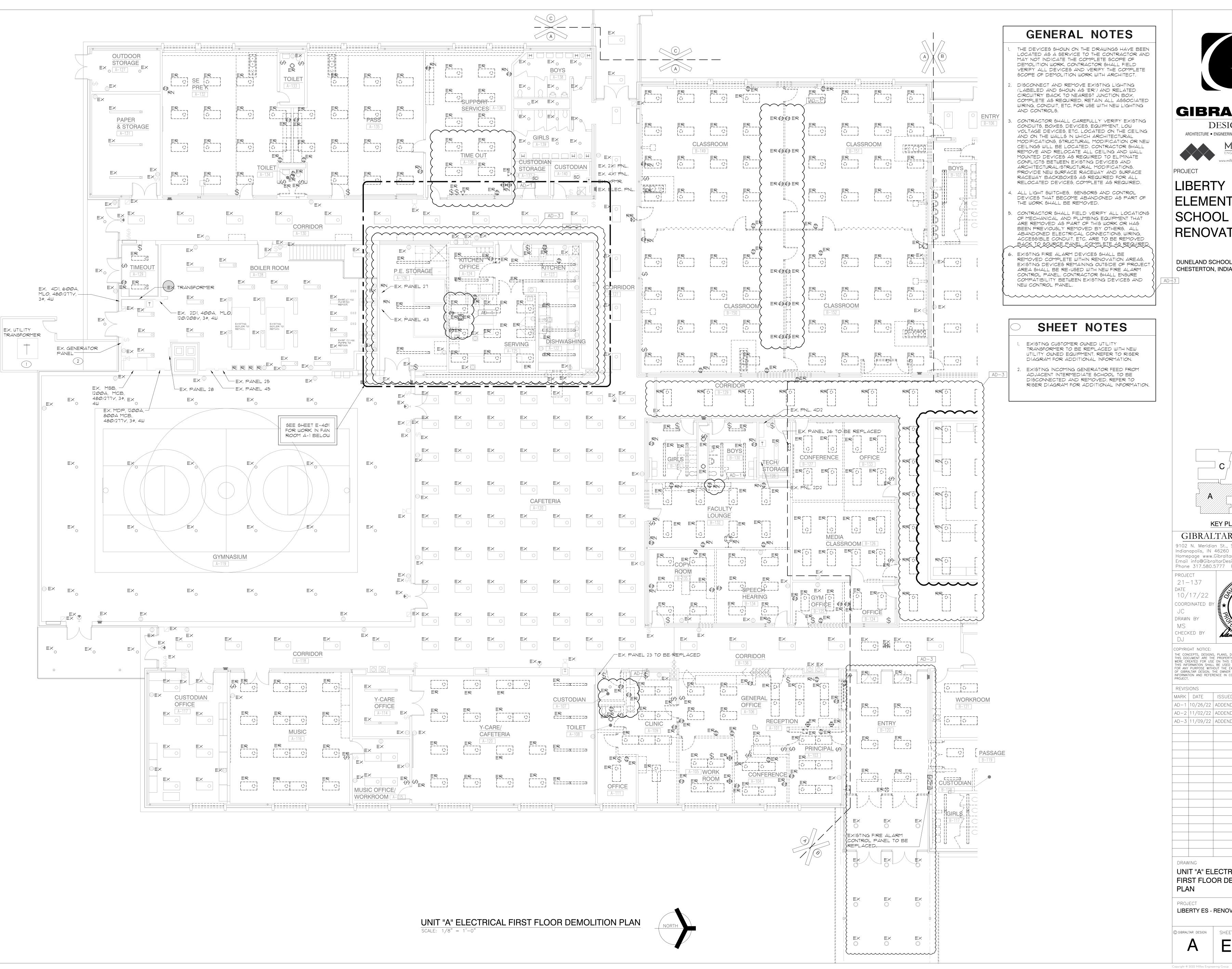
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ELECTRICAL NOTES, SYMBOLS &

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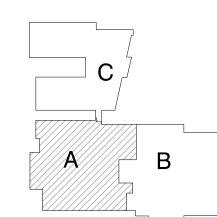
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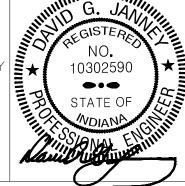
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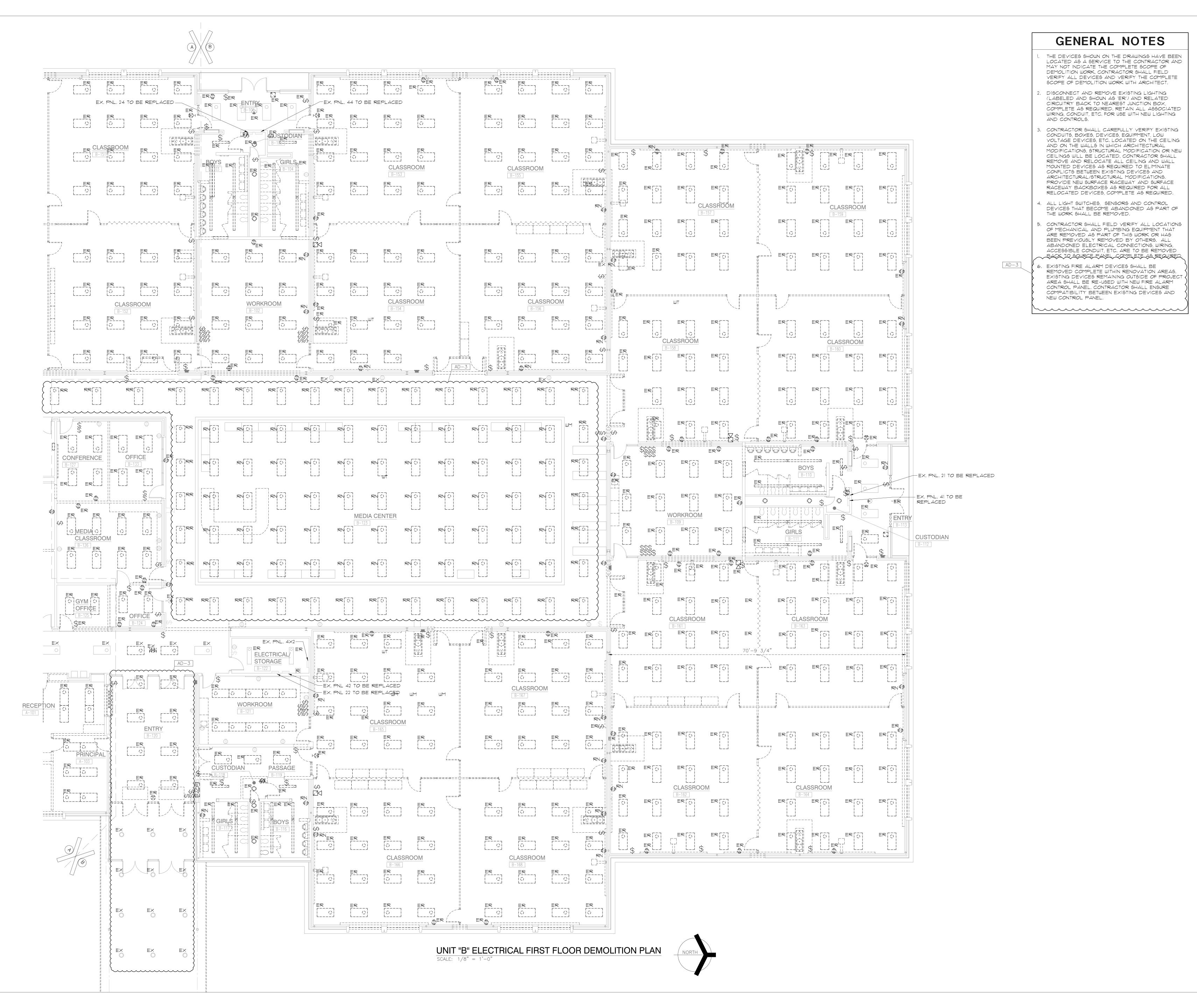
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UNIT "A" ELECTRICAL FIRST FLOOR DEMOLITION

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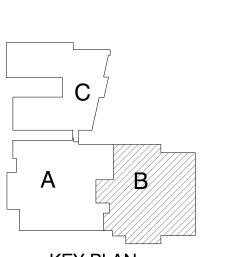
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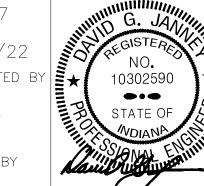
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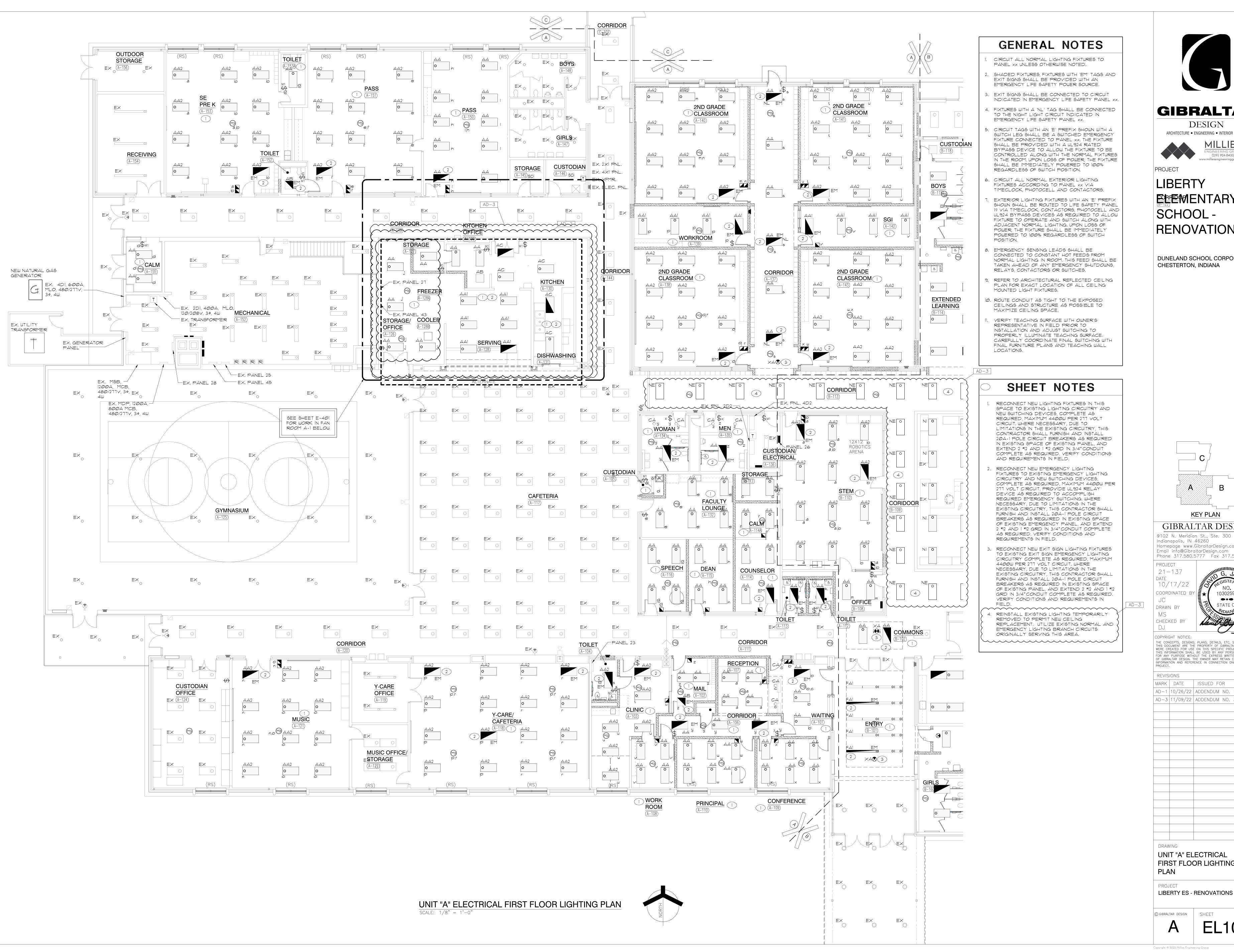
UNIT "B" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

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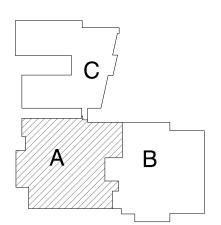


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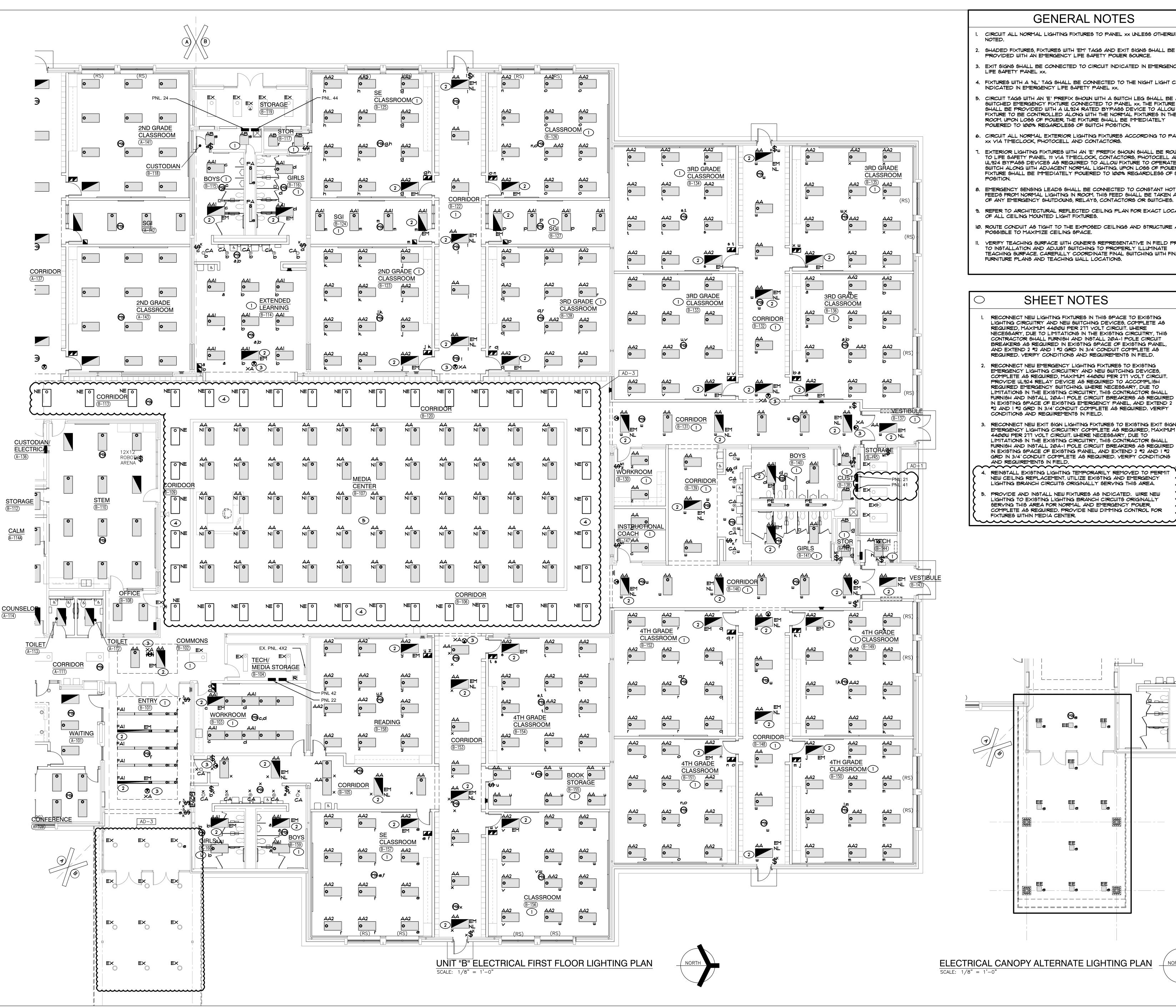
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FIRST FLOOR LIGHTING

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## **GENERAL NOTES**

- CIRCUIT ALL NORMAL LIGHTING FIXTURES TO PANEL XX UNLESS OTHERWISE
- SHADED FIXTURES, FIXTURES WITH 'EM' TAGS AND EXIT SIGNS SHALL BE PROVIDED WITH AN EMERGENCY LIFE SAFETY POWER SOURCE.
- 3. EXIT SIGNS SHALL BE CONNECTED TO CIRCUIT INDICATED IN EMERGENCY
- LIFE SAFETY PANEL XX. FIXTURES WITH A 'NL' TAG SHALL BE CONNECTED TO THE NIGHT LIGHT CIRCUIT
- INDICATED IN EMERGENCY LIFE SAFETY PANEL XX. CIRCUIT TAGS WITH AN 'E' PREFIX SHOWN WITH A SWITCH LEG SHALL BE A SWITCHED EMERGENCY FIXTURE CONNECTED TO PANEL XX. THE FIXTURE
- SHALL BE PROVIDED WITH A UL924 RATED BYPASS DEVICE TO ALLOW THE FIXTURE TO BE CONTROLLED ALONG WITH THE NORMAL FIXTURES IN THE ROOM, UPON LOSS OF POWER, THE FIXTURE SHALL BE IMMEDIATELY POWERED TO 100% REGARDLESS OF SWITCH POSITION.
- 6. CIRCUIT ALL NORMAL EXTERIOR LIGHTING FIXTURES ACCORDING TO PANEL XX VIA TIMECLOCK, PHOTOCELL AND CONTACTORS.
- EXTERIOR LIGHTING FIXTURES WITH AN 'E' PREFIX SHOWN SHALL BE ROUTED
- TO LIFE SAFETY PANEL ?? VIA TIMECLOCK, CONTACTORS, PHOTOCELL AND UL924 BYPASS DEVICES AS REQUIRED TO ALLOW FIXTURE TO OPERATE AND SWITCH ALONG WITH ADJACENT NORMAL LIGHTING. UPON LOSS OF POWER, THE FIXTURE SHALL BE IMMEDIATELY POWERED TO 100% REGARDLESS OF SWITCH POSITION.
- EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
- 10. ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILINGS AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.
- VERIFY TEACHING SURFACE WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION AND ADJUST SWITCHING TO PROPERLY ILLUMINATE TEACHING SURFACE. CAREFULLY COORDINATE FINAL SWITCHING WITH FINAL FURNITURE PLANS AND TEACHING WALL LOCATIONS.

## SHEET NOTES

- RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED, MAXIMUM 4400W PER 277 YOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 \*12 AND 1 \*12 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. YERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
- RECONNECT NEW EMERGENCY LIGHTING FIXTURES TO EXISTING EMERGENCY LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED, MAXIMUM 4400W PER 277 YOLT CIRCUIT. PROVIDE UL924 RELAY DEVICE AS REQUIRED TO ACCOMPLISH REQUIRED EMERGENCY SWITCHING. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING EMERGENCY PANEL, AND EXTEND 2 #12 AND 1 #12 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
- RECONNECT NEW EXIT SIGN LIGHTING FIXTURES TO EXISTING EXIT SIGN EMERGENCY LIGHTING CIRCUITRY COMPLETE AS REQUIRED, MAXIMUM 4400W PER 277 YOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 \*12 AND 1 \*12 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. YERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
- REINSTALL EXISTING LIGHTING TEMPORARILY REMOVED TO PERMIT NEW CEILING REPLACEMENT. UTILIZE EXISTING AND EMERGENCY LIGHTING BRANCH CIRCUITS ORIGINALLY SERVING THIS AREA.
- PROVIDE AND INSTALL NEW FIXTURES AS INDICATED. WIRE NEW LIGHTING TO EXISTING LIGHTING BRANCH CIRCUITS ORIGINALLY SERVING THIS AREA FOR NORMAL AND EMERGENCY POWER, COMPLETE AS REQUIRED. PROVIDE NEW DIMMING CONTROL FOR FIXTURES WITHIN MEDIA CENTER.



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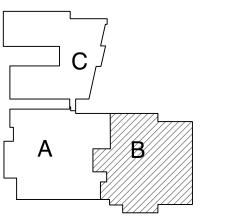
**ELEMENTARY** 

RENOVATIONS

DUNELAND SCHOOL CORPORATION

**MILLIES** 

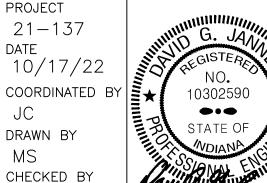
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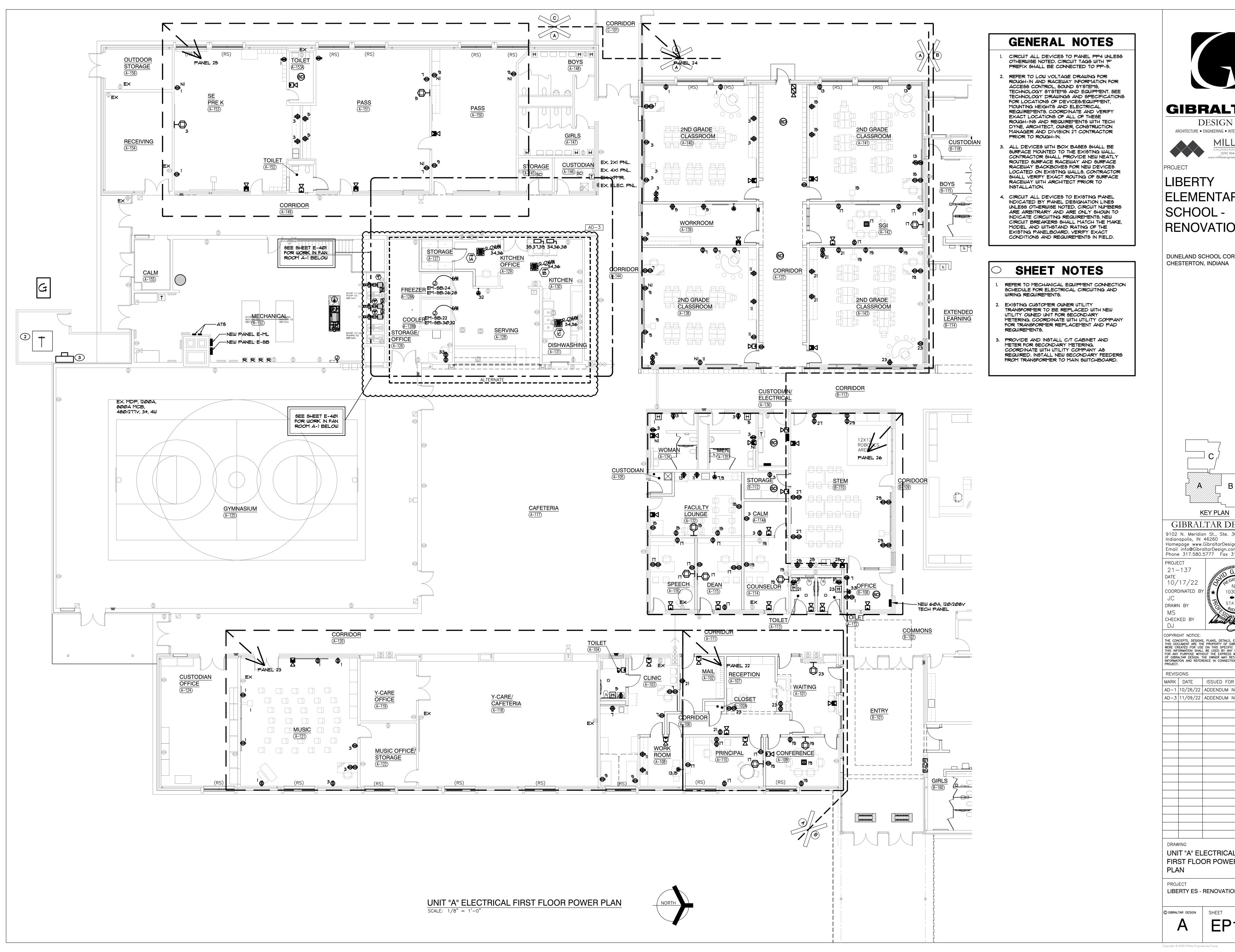
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UNIT "B" ELECTRICAL FIRST FLOOR LIGHTING

LIBERTY ES - RENOVATIONS

В

EL102



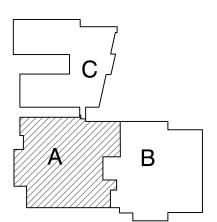


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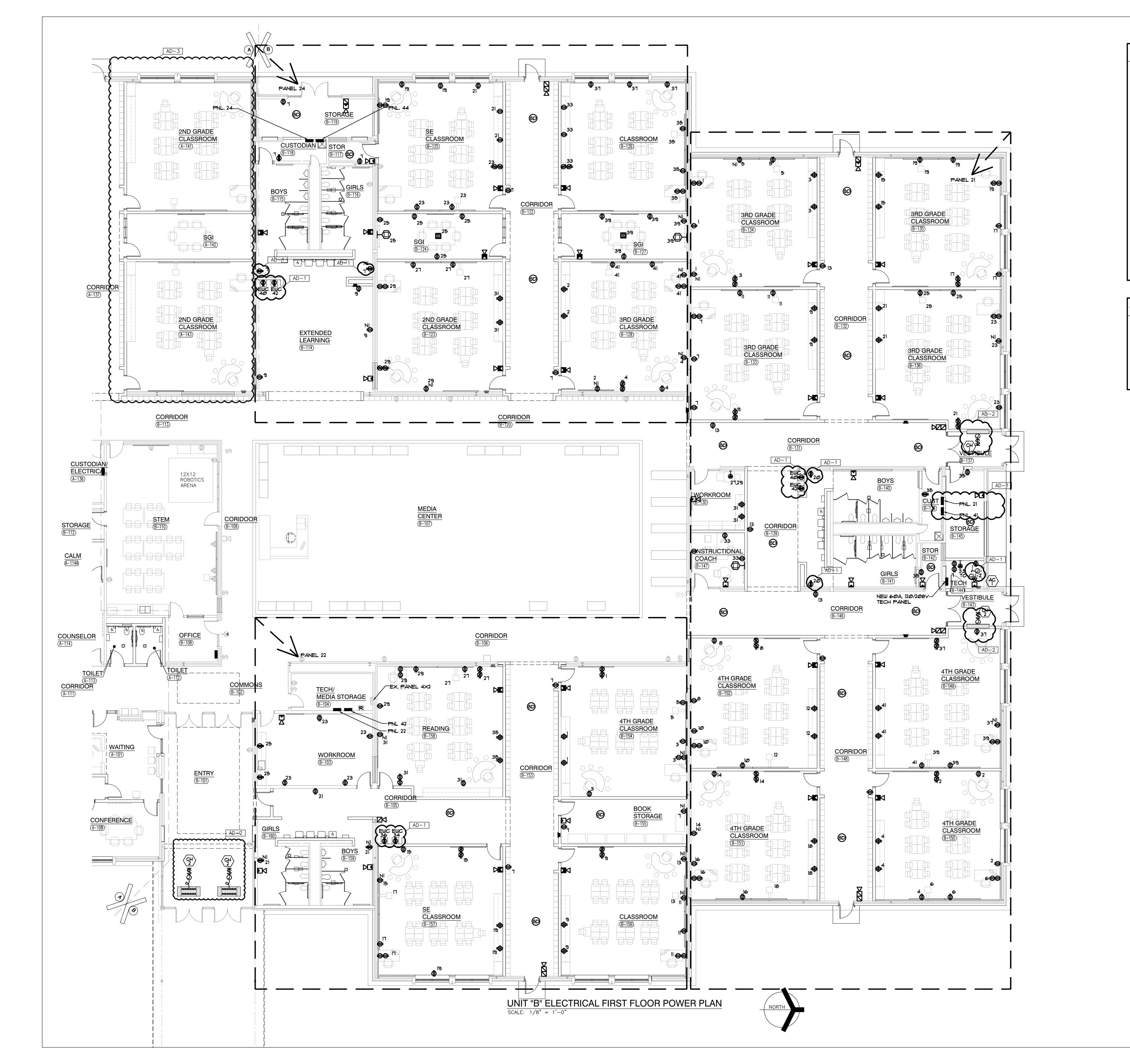
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UNIT "A" ELECTRICAL FIRST FLOOR POWER

LIBERTY ES - RENOVATIONS

**EP101** 



## GENERAL NOTES

1. CIRCUIT ALL DEVICES TO PANEL PP4 UNLESS OTHERWISE NOTED. CIRCUIT TAGS WITH 'P' PREFIX SHALL BE CONNECTED TO PP-5.

- 2. REFER TO LOW YOLTAGE DRAWING FOR ROUGH-IN AND RACEWAY INFORMATION FOR ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL OF THESE ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 21 CONTRACTOR PRIOR TO ROUGH-IN.
- 3. ALL DEVICES WITH BOX BASES SHALL BE SURFACE MOUNTED TO THE EXISTING WALL. CONTRACTOR SHALL PROVIDE NEW NEATLY ROUTED SURFACE RACEWAY AND SURFACE RACEWAY BACKBOXES FOR NEW DEVICES LOCATED ON EXISTING WALLS. CONTRACTOR SHALL VERIFY EXACT ROUTING OF SURFACE RACEWAY WITH ARCHITECT PRIOR TO INSTALLATION.
- 4. CIRCUIT ALL DEVICES TO EXISTING PANEL INDICATED BY PANEL DESIGNATION LINES UNLESS OTHERWISE NOTED. CIRCUIT NUMBERS ARE ARBITRARY AND ARE ONLY SHOWN TO INDICATE CIRCUITING REQUIREMENTS. NEW CIRCUIT BREAKERS SHALL MATCH THE MAKE, MODEL AND WITHSTAND RATING OF THE EXISTING PANELBOARD. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.

## SHEET NOTES

REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ELECTRICAL CIRCUITING AND WIRING REQUIREMENTS.



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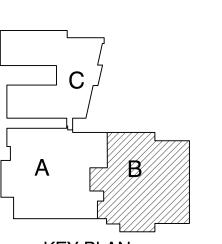
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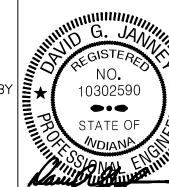
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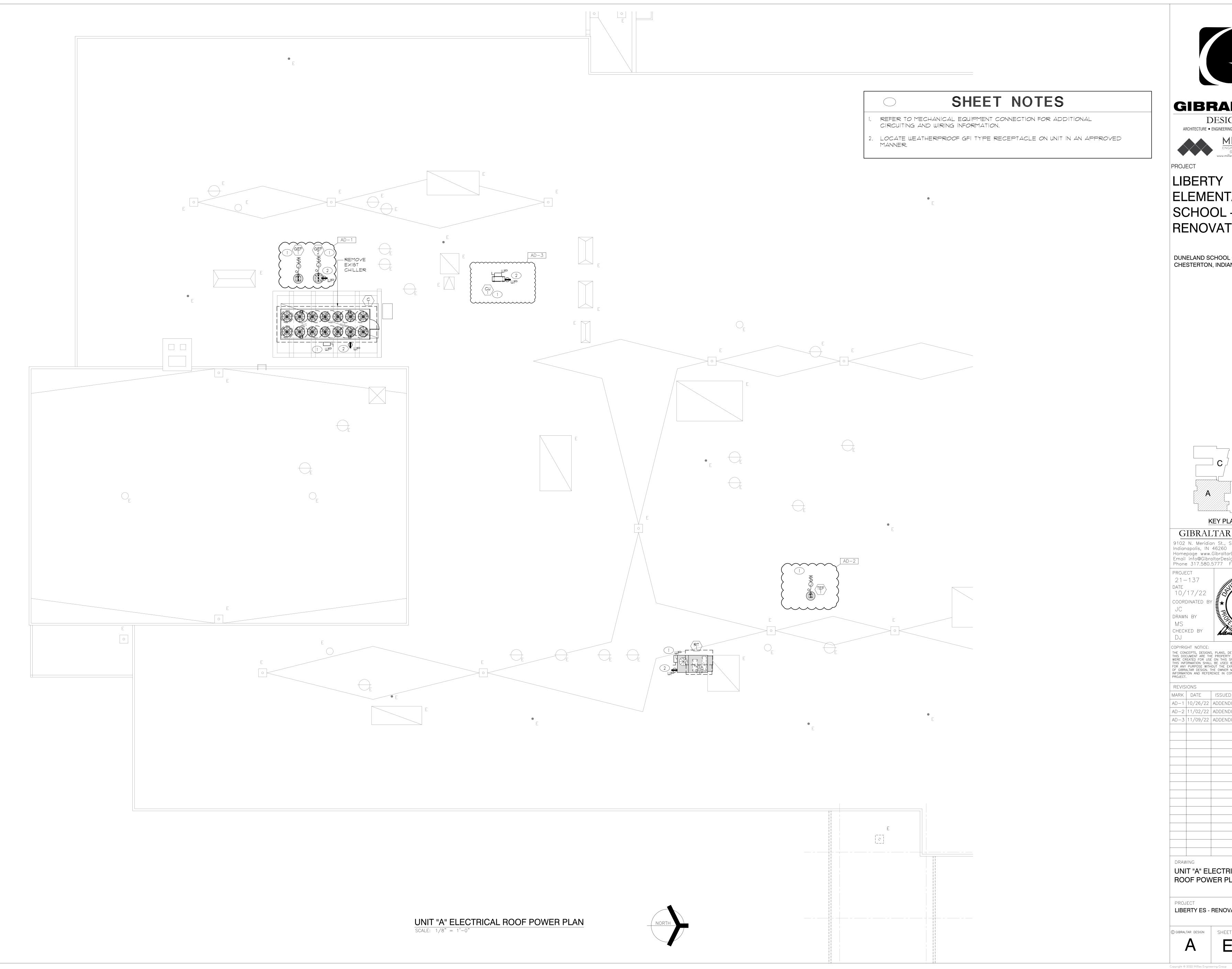
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UNIT "B" ELECTRICAL
FIRST FLOOR POWER
PLAN

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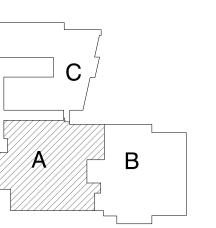


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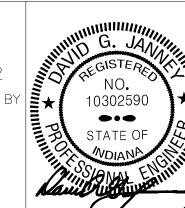
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AD-3	11/09/22	ADDENDUM	NO.	3

UNIT "A" ELECTRICAL ROOF POWER PLAN

LIBERTY ES - RENOVATIONS

#### LIGHTING CONTROL SYSTEM NOTES

- 1. UNLESS NOTED OTHERWISE, THE LIGHTING CONTROL SYSTEM SHALL BE A STAND ALONE SENSORSWITCH WIRED SYSTEM COMPLETE WITH OCCUPANCY SENSORS, POWER PACKS, EMERGENCY ACCESSORIES, ETC. SYSTEM TO BE PROVIDED WITH COMPONENTS AND ACCESSORIES AS REQUIRED TO PROVIDE FUNCTIONALITY PER THE CONTRACT DOCUMENTS.
- 2. LIGHTING CONTROL EQUIPMENT WILL BE CONSIDERED FROM THE FOLLOWING MANUFACTURERS: WATT STOPPER, LEVITON OR HUBBELL CONTROLS. THE SUBMITTED LIGHTING CONTROL SYSTEM SHALL PROVIDE FULL LIGHTING CONTROL FUNCTIONALITY AS SPECIFIED.
- 3. BECAUSE OF DIFFERENCES BETWEEN MANUFACTURERS, DIAGRAMS SHOWN ARE DIAGRAMMATIC AND MAY NOT SHOW ALL PARTS AND ACCESSORIES REQUIRED. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH LIGHTING CONTROL MANUFACTURER AND CONTRACT DOCUMENTS, CONTRACTOR SHALL PROVIDE ALL PARTS AND ACCESSORIES REQUIRED FOR A COMPLETE AND PROPERLY OPERATING SYSTEM AS SHOWN ON CONTRACT DOCUMENTS, VERIFY ALL CONDITIONS AND REQUIREMENTS, COMPLETE AS REQUIRED.
- 4. NO EXTRAS SHALL BE ALLOWED AFTER BIDDING FOR NOT FULLY UNDERSTANDING THE SCOPE OF WORK INVOLVED OR TO FULLY ACCOMPLISH THE SWITCHING SCHEME SHOWN ON THE CONTRACT DOCUMENTS.
- 5. PROVIDE 12 HOURS OF FACTORY COMMISSIONING AND 6 HOURS FACTORY TRAINING FOR THE OWNER'S BUILDING STAFF.
- 6. UL924 BYPASS DEVICES SHALL BE PROVIDED FOR ALL FIXTURES WITH AN EMERGENCY SOURCE OF POWER THAT IS SWITCHED. THE UL924 BYPASS SHALL PROVIDE BYPASS FOR BOTH THE POWER AND CONTROL SIGNAL, COMPLETE AS REQUIRED.
- 7. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED. CABLING ROUTED IN CONCEALED AREAS SHALL BE ROUTED NEATLY EXPOSED WITHIN J-HOOKS. CABLING LOCATED IN EXPOSED CEILINGS SHALL BE CONCEALED IN NEATLY ROUTED CONDUIT. LOW VOLTAGE CABLING INSTALLATION SHALL FULLY MEET LOCAL CODE REQUIREMENTS.

#### LIGHTING FIXTURE GENERAL NOTES

- 1. INTERIOR FIXTURES, EXTERIOR FIXTURES AND POLE FINISHES AND COLORS TO BE SELECTED BY ARCHITECT. THE ARCHITECT MAY, AT THEIR DISCRETION, CHOOSE A CUSTOM COLOR AT NO ADDITIONAL CHARGE.
- 2. PENDANT FIXTURES SPECIFIED ON THIS PROJECT SHALL BE CAREFULLY COORDINATED WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER AS EACH PENDANT FIXTURE IS A CUSTOM MANUFACTURED FIXTURE. PROVIDE PENDANT EMERGENCY SECTIONS AND EMERGENCY CIRCUITS AS SHOWN. COORDINATE WITH FIXTURE MANUFACTURER AND PROVIDE ADDITIONAL ACCESSORIES FOR A COMPLETE AND PROPER INSTALLATION. PROVIDE PROPER FIXTURE LENGTH, FEEDS, SINGLE AND DUAL CIRCUITING AND SUSPENSION LENGTH AS SHOWN ON DRAWINGS. PROVIDE FABRICATION DRAWINGS FOR REVIEW AS PART OF THE SHOP DRAWING SUBMITTAL PROCESS.
- 3. SHADED FIXTURES SHALL HAVE AN EMERGENCY SOURCE OF POWER AS SPECIFIED.
- 4. EXTERIOR LIGHTING POLES SHALL BE PROVIDED WITH STRAIGHT SQUARE ALUMINUM POLES WITH CAST BASE COVERS AND VIBRATION DAMPENERS. THE POLES SHALL BE SIZED PROPERLY TO SUPPORT FIXTURE WEIGHT AT 100 MPH WIND WITH A 1.3 GUST FACTOR, MINIMUM POLE SIZE TO BE 5" SQUARE. PROVIDE ADDITIONAL MOUNTING ACCESSORIES AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
- 5. FOR EXTERIOR POLE MOUNTED LIGHTING, PROVIDE FACTORY MOUNTED HOUSE SIDE SHIELDS INTEGRAL TO THE FIXTURE AS SPECIFIED. ADDITIONALLY, PROVIDE CUSTOM FABRICATED POLE MOUNTED HOUSE SIDE SHIELDING AS REQUIRED TO CONTROL LIGHT TRESPASS AND COMPLY WITH LOCAL REQUIREMENTS.
- 6. CAREFULLY COORDINATE MOUNTING REQUIREMENTS FOR FIXTURES WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER, PROVIDE APPROPRIATE MOUNTING FRAMES FOR LAY-IN OR GYPSUM CEILINGS. VERIFY CEILING REQUIREMENTS WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.
- 1. VERIFY FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
- 8. FOR FIXTURES INSTALLED IN CASEWORK, VERIFY FIXTURE FIT WITH CASEWORK SHOP DRAWINGS PRIOR TO ORDERING.
- 9. PROVIDE CUSTOM ANTI-SWAY BRACING FOR PENDANT TO ELIMINATE PENDANT MOVEMENT DUE TO AIR MOVEMENT OR ENVIRONMENTAL CAUSES.
- 10. COORDINATE LOCATIONS OF INTERIOR AND EXTERIOR LIGHTING FIXTURES WITH FINAL ARCHITECTURAL DRAWINGS, FIXTURES THAT ARE NOT INSTALLED IN THE CORRECT LOCATION SHALL BE RELOCATED AND REINSTALLED IN THE CORRECT LOCATION AT NO ADDITIONAL CHARGE.
- 11. FIXTURES SHALL BE PROVIDED WITH ESCUTCHEON PLATES AS REQUIRED TO COVER EXISTING HOLES FROM REMOVED FIXTURES. CANOPY CEILING AROUND NEW FIXTURES SHALL BE REFINISHED TO MATCH EXISTING SURROUNDING CANOPY CEILING SURFACES.
- 12. PROVIDE 5000K COLOR TEMPERATURE IN SPECIAL EDUCATION SPACES AS SPECIFIED.
- 13. FIXTURES SHALL BE CAREFULLY COORDINATED WITH MANUFACTURER TO DELIVER THE SPECIFIED PRODUCT IN SUFFICIENT TIME TO MEET PROJECT DEADLINES, EQUIPMENT DELIVERY LEAD TIME SHALL NOT BE HELD AS A VALID REASON FOR REQUESTING LUMINAIRE SUBSTITUTION UNLESS LUMINAIRE LEAD TIME FROM SPECIFIED MANUFACTURER IS IN EXCESS OF 14 WEEKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE NECESSARY EQUIPMENT LEAD TIMES, DELIVER SUBMITTALS FOR REVIEW IN A TIMELY FASHION, AND PLACE ORDERS ACCORDINGLY TO ENSURE TIMELY DELIVERY.
- 14. EVALUATION OF APPROVED EQUALS SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER. IF THE PRODUCT SUBMITTED DURING THE REVIEW PROCESS IS NOT JUDGED AS AN EQUAL BY THE REVIEWING ENGINEER, THE CONTRACTOR SHALL PROVIDE THE PRODUCT SPECIFIED.
- 15. CAREFULLY COORDINATE VOLTAGES OF FIXTURES PRIOR TO ORDERING FIXTURES.
- 16. APPROVED EQUALS WILL BE CONSIDERED FROM THE FOLLOWING VENDORS: KSA LIGHTING (630.307.6955), CHICAGO LIGHT WORKS (219.240.5030) OR PG ENLIGHTEN (847.228.1199).
- 17. CAREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.

		INTERIO	OR LIGHTING LUN	<b>IINAIRE</b>	SCHED	ULE	
TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE BALLAS		MOUNTING	REMARKS
AA	0	2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT4-40L-ADP-GZI-LP840 COLUMBIA #LCAT24-40-LW-G-EDI-U DAY-BRITE #2FGXG40L840-4-R5-UNV-D	MV VOL Ø-10V D - -		RECESSED LAY-IN	- - - -
ДДІ		2' × 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT4-48L-ADP-GZI-LP840 COLUMBIA #LCAT24-40-ML-G-ED1-U DAY-BRITE #2FGXG48L840-4-R9-UNV-DI	MV VOL Ø-10V D -		RECESSED LAY-IN	- - - -
ДД2	0	2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT4-60L-ADP-GZI-LP840 COLUMBIA #LCAT24-40-VL-G-EDI-U DAY-BRITE #2FGXG60L840-4-R6-UNV-D	MV VOL Ø-10V D -		RECESSED LAY-IN	- - - -
AB	0	2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT2-48L-ADP-GZI-LP840 COLUMBIA #LCAT22-40-VL-G-EDI-U DAY-BRITE #2FGXG48L840-2-R5-UNV-DII	MV VOL Ø-10V D - -		RECESSED LAY-IN	- - - -
AB1	0	2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT2-40L-ADP-GZI-LP840 COLUMBIA #LCAT22-40-HL-G-EDI-U DAY-BRITE #2FGXG40L840-2-RS-UNV-DI	MV VOL Ø-1ØV D -	, , ,	RECESSED LAY-IN	- - - - -
AC	0	2' X 4' LED LENSED KITCHEN TROFFER FIXTURE WITH INVERTED LENS AND TRIPLE GASKETING	LITHONIA #2GTL4-88L-RW-A19INV-MVOLT- LP840-ABC COLUMBIA #LJT24 SERIES DAY-BRITE #CFI SERIES	Ø-10Y D -	IM 4000K CRI +85 MIN 8800 LM	RECESSED LAY-IN	-INVERTED LENS AND TRIPLE GASKETING -
CA	0	SEMI-SPECULAR ALZAK REFLECTOR, IRIDESCENT FREE FINISH, & WHITE FLANGE	LTHONIA #LDN6-40-15-L06-AR-LS5-MV0 -GZI0-XX PRESCOLITE #LTR-SLI5L-DMI / #LTR-6RD-T-SL40K8MD LIGHTOLIER #6RN / #Z6RDL15840WOCDZI0	Ø-107 D - -		RECESSED LAY-IN/ DRYWALL	-VERIFY TRIM FINISH WITH ARCHITECT
EE	•	EXTERIOR CANOPY LIGHT	HUBBELL #LSQ1-25-4KT-UNV-X OR APPROVED EQUAL	MV VOL	T LED 4000K MIN 3,000LM MAX 25W	SURFACE CANOPY	-VERIFY FINISH WITH ARCHITECT.
FA		LINEAR LED FIXTURE FOR DISPLAY CASE WITH 45 DEG. EXTRUSION AND CONTINUOUS LENGTHS AS SHOWN	OPTIC ARTS *(LT2-HO-4K-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-	MLY DI	T LED	SURFACE	-VERIFY FINISH WITH ARCHITECT -COORDINATE MOUNTING WITH CASEWORK
FAI		LED 4" WIDE CONTINUOUS LINEAR SLOT FIXTURE	MARK #\$L4L-LOP-X-FLP-X-80CRI-40K-,-MINI-MVOLT NULITE #RG4-09-L40-UNV-D-X-X-FRF-X) FINELITE #HP4-R-D-X-V-840-F-96LG-UN -\$C-FC-10-X-FE-X	0-10V D		RECESSED LAY-IN/ DRYWALL	-PROVIDE LENGTHS AS SHOWN ON DRAWINGS -VERIFY FINISH WITH ARCHITECT -COORDINATE EMERGENCY CIRCUITS AND SWITCHING WITH PLANS
₽A	<b>⊢</b> ≎───	4', LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS	LITHONIA #CLX-L48-7000LM-SEF-FDL-M -GZ10-40K-80CRI-XX-XX COLUMBIA #MPS4-40XL-FW-EDI-U-MPSWG DAY-BRITE #FSS470L840-UNV-DIM-FSSW	0-10Y D	IM 4000K CRI +85 MIN 7000 LM	'Y' CHAIN SUSPEND -	-COORD LOCATIONS WITH DUCTWORK & PIPING
PE		4', LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS	LITHONIA *CLX-L48-3000LM-SEF-FDL-M	VOLT MV VOL 0-107 D	T LED	'Y' CHAIN SUSPEND -	-COORD LOCATIONS WITH DUCTWORK & PIPING
XA	⊗ №	SINGLE FASE EXIT, AC ONLY	DUAL-LITE #5E-S-R-X CHLORIDE #55L-3-X-R	20 VOL  -  -  -	T LED MAX 3W - -	CEILING/ WALL -	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
XB	•	DUAL FACE EXIT AC ONLY	LITHONIA #LE-S-X-2-R-X DUAL-LITE #SE-D-R-X CHLORIDE #55L-3-X-R	120 VOL - - -	T LED MAX 3W - -	CEILING/ WALL - -	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
XC	⊗ 🌣	SINGLE FACE EXIT, AC ONLY, BLACK FINISH	LITHONIA #LE-S-X-1-R-X DUAL-LITE #SE-S-R-X CHLORIDE #55L-3-X-R	120 VOL - - -	T LED MAX 3W - -	CEILING/ WALL - -	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
Σ		FIXTURE ON EMERGENCY LIFE SAFETY GENERATOR CIRCUIT WITH UL924 BYPASSES AS REQUIRED	-	MV VOL	.т -	IN FIXTURE/ REMOTE	-
NL		CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE					

AG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES Or catalog number	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS	
,A		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT4-40L-ADP-GZI-LP840 COLUMBIA #LCAT24-40-LW-G-EDI-U DAY-BRITE #2FGXG40L840-4-R6-UNV-DIM	MV VOLT Ø-10V DIM - -	LED 4000K MAX 32 W MIN 4000 LM	RECESSED LAY-IN	- - - -	
.Д1		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT4-48L-ADP-GZI-LP840 COLUMBIA #LCAT24-40-ML-G-ED1-U DAY-BRITE #2FGXG48L840-4-R6-UNV-DIM	MV VOLT Ø-1ØV DIM - -	LED 4000K MAX 38 W MIN 4800 LM	RECESSED LAY-IN	- - -	
A2		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT4-60L-ADP-GZI-LP840 COLUMBIA #LCAT24-40-VL-G-EDI-U DAY-BRITE #2FGXG60L840-4-R5-UNV-DIM	MY VOLT Ø-10V DIM - -	LED 4000K MAX 48 W MIN 6000 LM	RECESSED LAY-IN	- - -	
B		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2BLT2-48L-ADP-GZI-LP840 COLUMBIA #LCAT22-40-VL-G-EDI-U DAY-BRITE #2FGXG48L840-2-R5-UNV-DIM	MV VOLT Ø-1ØV DIM - -	LED 4000K MAX 44 W MIN 4800 LM	RECESSED LAY-IN	- - -	
.B1		FIXTURE	LITHONIA #2BLT2-40L-ADP-GZI-LP840 COLUMBIA #LCAT22-40-HL-G-EDI-U DAY-BRITE #2FGXG40L840-2-RS-UNV-DIM	MV VOLT Ø-10V DIM - -	LED 4000K MAX 32 W MIN 4000 LM	RECESSED LAY-IN	- - - - - -	F
(C	0	TROFFER FIXTURE WITH INVERTED LENS AND TRIPLE GASKETING	LITHONIA #2GTL4-88L-RW-A19INV-MVOLT-EZI- LP840-ABC COLUMBIA #LJT24 SERIES DAY-BRITE #CFI SERIES	MV VOLT Ø-10V DIM -	LED 4000K CRI +85 MIN 8800 LM	RECESSED LAY-IN	-INVERTED LENS AND TRIPLE GASKETING - -	
EA	0	SEMI-SPECULAR ALZAK REFLECTOR, IRIDESCENT FREE	LTHONIA #LDN6-40-15-LO6-AR-LS5-MVOLT -GZI0-XX PRESCOLITE #LTR-SLI5L-DMI / #LTR-6RD-T-SL40K8MD LIGHTOLIER #6RN / #Z6RDLI5840WOCDZI0U	MV VOLT Ø-IØY DIM - -	LED 4000K MAX 18 W MIN 1500 LM	RECESSED LAY-IN/ DRYWALL	-VERIFY TRIM FINISH WITH ARCHITECT	
ΞE		EXTERIOR CANOPY LIGHT	HUBBELL #L9Q1-25-4KT-UNV-X OR APPROVED EQUAL	MV VOLT	LED 4000K MIN 3,000LM MAX 25W	SURFACE CANOPY	-VERIFY FINISH WITH ARCHITECT.	
:A		LINEAR LED FIXTURE FOR DISPLAY CASE WITH 45 DEG, EXTRUSION AND CONTINUOUS LENGTHS AS SHOWN	OPTIC ARTS #LLT2-HO-4K-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-	MV VOLT MLV DIM -	LED 4000K MAX 4.5W/FT MIN 440 LM/FT	SURFACE	-VERIFY FINISH WITH ARCHITECT -COORDINATE MOUNTING WITH CASEWORK	
A1		LED 4" WIDE CONTINUOUS LINEAR SLOT FIXTURE	MARK #\$L4L-LOP-X-FLP-X-80CRI-40K-800LMF -MINI-MVOLT NULITE #RG4-09-L40-UNV-D-X-X-FRF-XX- FINELITE #HP4-R-D-X-V-840-F-96LG-UNV -SC-FC-10-X-FE-X	120/277 VOLT 0-10V DIM -	LED 4000 K MIN 800LM/FT MAX 8W/FT	RECESSED LAY-IN/ DRYWALL	-PROVIDE LENGTHS AS SHOWN ON DRAWINGS -VERIFY FINISH WITH ARCHITECT -COORDINATE EMERGENCY CIRCUITS AND SWITCHING WITH PLANS	
РД	<b>⊢</b> ≎——1	4', LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS	COLUMBIA #MP\$4-40XL-FW-EDI-U-MP\$WG4 DAY-BRITE #F\$\$470L840-UNV-DIM-F\$\$WG4	MV VOLT Ø-10V DIM -	LED 4000K CRI +85 MIN 7000 LM		-COORD LOCATIONS WITH DUCTWORK & PIPING	AD-2
PE	<b>⊢</b> ≎——1	4', LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS	LITHONIA *CLX-L48-3000LM-SEF-FDL-MVOLT -GZI0-40K-80CRI-XX-XX COLUMBIA *MPS4-40VW-FW-EDI-U-MPSWG4 DAY-BRITE *FSS430L840-UNV-DIM-FSSWG4	MV VOLT Ø-lØV DIM -	LED 4000K CRI +85 MIN 3000 LM		-COORD LOCATIONS WITH DUCTWORK & PIPING	
(A	⊗ ◊	SHGLE FACE EXIT, AC ONLY	LITHONTA #LE-S-X-1-R-X DUAL-LITE #SE-S-R-X CHLORIDE #55L-3-X-R	120 VOLT - - -	LED MAX 3W -	CEILING/ WALL -	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED	
(B	•		LITHONIA #LE-S-X-2-R-X DUAL-LITE #SE-D-R-X CHLORIDE #55L-3-X-R	120 VOLT - - -	LED MAX 3W - -	CEILING/ WALL - -	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED	
(C		SINGLE FACE EXIT, AC ONLY, BLACK FINISH	LITHONIA #LE-S-X-1-R-X DUAL-LITE #SE-S-R-X CHLORIDE #55L-3-X-R	120 YOLT - - -	LED MAX 3W - -	CEILING/ WALL - -	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED	
EM		FIXTURE ON EMERGENCY LIFE SAFETY GENERATOR CIRCUIT WITH UL924 BYPASSES AS REQUIRED		MV VOLT	-	IN FIXTURE/ REMOTE	-	
<b>VL</b>		CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE						

## GIBRALTAR DESIGN 9102 N. Meridian St., Ste. 300

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PROJECT

LIBERTY

SCHOOL -

CHESTERTON, INDIANA

**ELEMENTARY** 

RENOVATIONS

DUNELAND SCHOOL CORPORATION

Indianapolis, IN 46260 Homepage www.GibraltarDesign.com Email info@GibraltarDesign.com Phone 317.580.5777 Fax 317.580.5778 PROJECT 21-137

10/17/22 COORDINATED DRAWN BY

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MARK	DATE	ISSUED FO	)R		
AD-1	10/26/22	ADDENDUM	NO.	1	
AD-2	11/02/22	ADDENDUM	NO.	2	
AD-3	11/09/22	ADDENDUM	NO.	3	

ELECTRICAL SCHEDULES

LIBERTY ES - RENOVATIONS

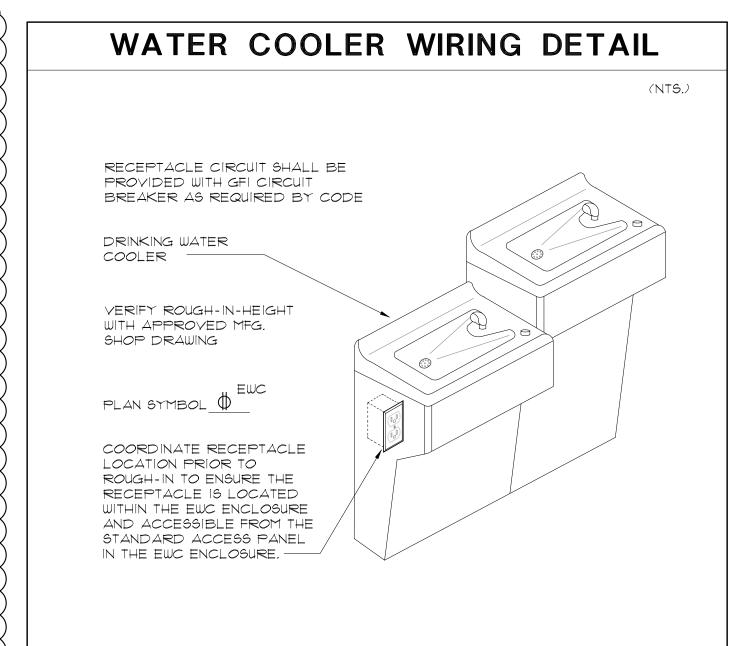
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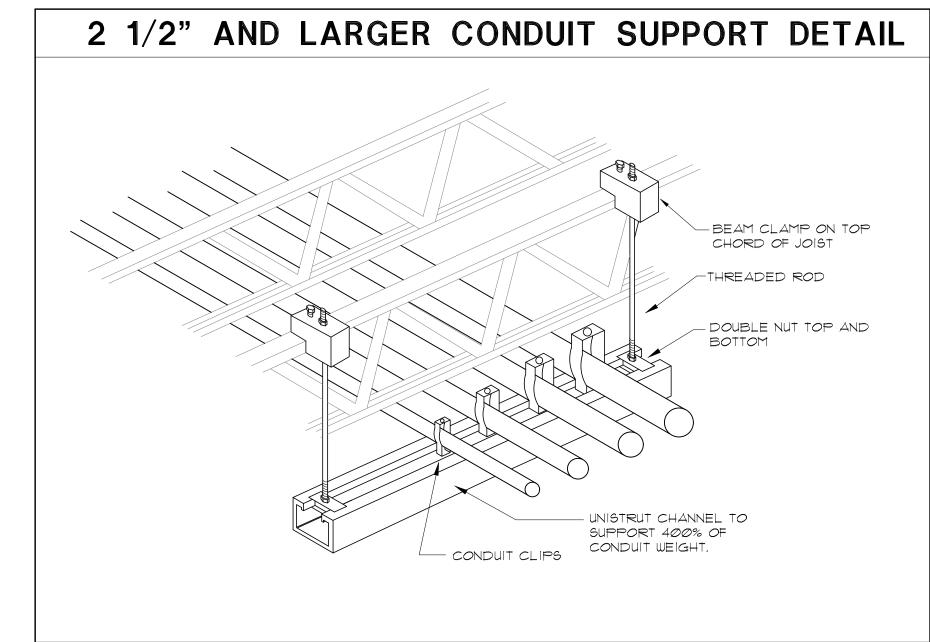
	MECHANICAL EQ	UIPME	ENT	COV	INE	CTIC	ON S	SCH	EDU	LE						
TAG	DESCRIPTION			LOAD			MOCP	VOLT	PHASE	PANEL	CKT. NO.	FUSED SWITCH	FEEDER		STARTE	R BY: LOCATION REMARKS
		WATTS	ПÐ	MCA	FLA	AMPS		·				C/B	CABLE	С		
C-1	ROOF MOUNTED AIR COOLED CHILLER WITH REMOTE INTERIOR BUNDLE	363715	-	438	-	-	600	480	3	MSB	-	600A/3P	(2) SETS OF 4 #35Ø #   #  GRI	3"	×	
AH-3	INTERIOR AIR HANDLING UNIT - CHILLED WATER COOLING / HOT WATER HEATING	11418	-	14	-	-	2Ø	480	3	P D	-	2ØA/3P	4 #12 \$ 1 #12 GRD	3/4"	×	
RT-I	ROOF MOUNTED GAS FIRED / DX COOLING ROOFTOP UNIT-VAV	7474	-	9	-	-	15	480	3	P <u>D</u>		15A/3P	4 #12 # 1 #12 GRD	3/4"		
AC-1/CU-1	WALL MTD AC UNIT / ROOF MOUNTED CONDENSING UNIT	3952	-	19	-	-	26	2Ø8	1	PNL 41	-	25A/3P	3 # Ø 4  # Ø GRD	3/4"	-	×
GEF-1	ROOF MOUNTED GENERAL EXHAUST FAN- CONSTANT EXH REF EXH SYSTEM (BOILER ROOM A-128)	1176	1/2	-	-	-	-	120	1	2DL	-	20A/IP	2 #12 <b>4</b>   #12 GRD	3/4"	-	×
GEF-2	ROOF MOUNTED GENERAL EXHAUST FAN - REFRIGERANT EXH SYSTEM (BOILER ROOM A-128)	1920	1	-	-	-	-	120	1	2DL	-	2ØA/IP	2 #12 <b>&amp;</b> 1 #12 GRD	3/4"	-	×
TEF-1	ROOF MOUNTED TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	PNL 26	-	2ØA/IP	2 #12 & 1 #12 GRD	3/4"	-	× -
CH-1	SEMI-RECESSED HOT WATER CABINET HEATER	96	-	-	-	0.8	-	120	1	PNL 41	-	2ØA/IP	2 #12 ¢   #12 GRD	3/4"	-	× -
CH-2	CEILING MOUNTED HOT WATER CABINET HEATER	96	-	-	-	0.8	-	120	1	PNL 41	-	2ØA/IP	2 #12 ¢   #12 GRD	3/4"	-	× -
CU-2	ROOF MOUNTED CONDENSING UNIT	6344	-	31	-	-	40	208	1	PNL 41	-	3Ø∆/2₱	3 #8 +   # Ø GRD	3/4"		

	PUMP EQUIPMENT CONNECTION SCHEDULE														
TAG	DESCRIPTI <i>O</i> N	LOAD	HP	MOCP	∨oL⊺	PHASE	PANEL	CKT. NO.	FUSED SWITCH	FEEDER		START	ED BY:	LOCATION	REMARKS
		WATTS							C/B	CABLE	С		EC.		
CP-1	'BASE MOUNTED CHILLED WATER RECICULATION PUMP (C-1)	9134	7 1/2	-	48Ø	3	4D1	-	2ØA/3P	4 #12 \$ 1 #12 GRD.	3/4"	-	-	-	-
CWP-1	BASE MOUNTED CHILLED WATER DISTRIBUTION PUMP	11626	10	-	48Ø	3	4D1	-	25A/3P	4 #10 \$ 1 #10 GRD	3/4"	-	-	-	-
CWP-2	BASE MOUNTED CHILLED WATER DISTRIBUTION PUMP	11626	10	-	48Ø	3	4D1	-	25A/3P	4 #10 4   #10 GRD	3/4"				

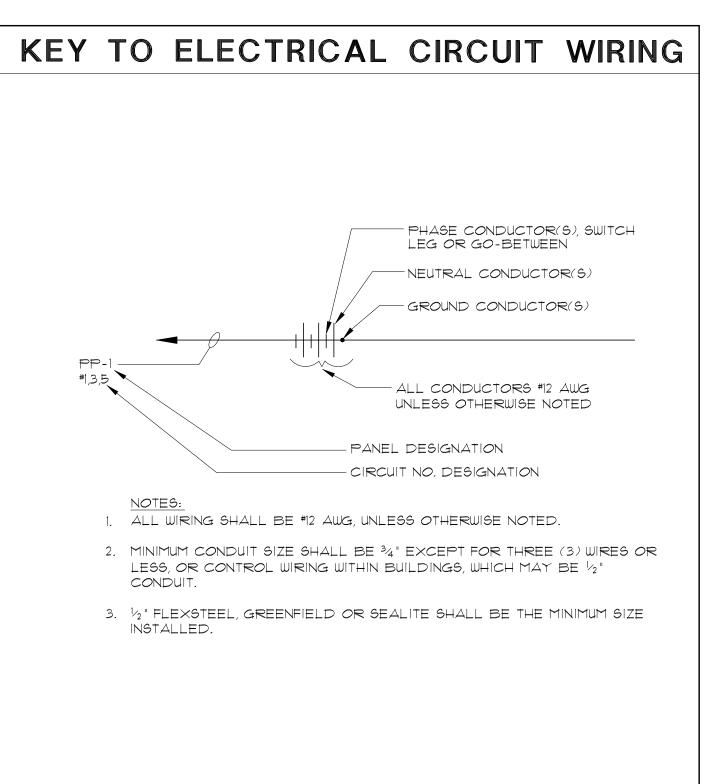


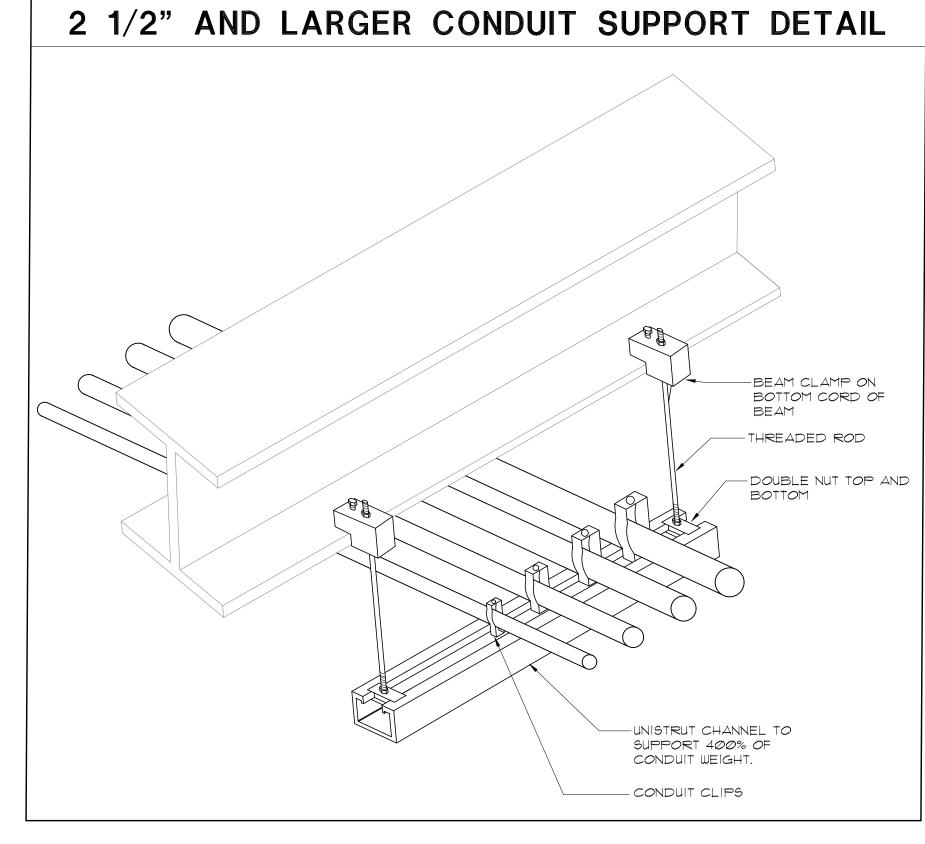
	EQ	UIPMENT			EL	EC1	ΓRI	CA	L	
	\_	DESCRIPTION	SOURCE	₩ ₩ ₩						REMARKS
	NAUQ TITNAUQ	(NIKEC = NOT IN KITCHEN EQUIPMENT CONTRACT	г	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	$\overset{\vee}{\exists}$	A D D D			<b>□</b> □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	
1	1	WALK-IN COOLER	NOR-LAKE KL7788-C	12 <i>0</i> 2 <i>0</i> 8		15.0 15.0		1 D D	DFA DFA	l l
2	1	WALK-IN FREEZER	NOR-LAKE KL7768-F	12 <i>0</i> 2 <i>0</i> 8		15.Ø 15.Ø		1 D D	DFA DFA	FOR LIGHTS AND DOOR FRAME HEATER FOR CONDENSING UNIT AND COIL
3	5	DRY STORAGE MOBILE	SUPER ERECTA							REFER TO COOLER/FREEZER DWG. K400
4	1	VENTLESS COMBI OVEN	RATIONAL ICC-6 FULL E	208 120		62.2 15.0		3 D	36 54	10 AMP DEDICATED CIRCUIT REQUIRED NEMA 5-15P FOR HOOD
Ð	1	VENTLESS COMBI OVEN	RATIONAL ICC-6 FULL E	208 120		62.2 15.0		3 D	36 54	10 AMP DEDICATED CIRCUIT REQUIRED NEMA 5-15P FOR HOOD
6	1	PREP TABLE WITH TWO	EXISTING RELOCATED							
7	1	EXPANDED DISH DROP	CUSTOM FABRICATED							
8	1	THREE COMP SINK WITH	ADV. TABCO 93-83-60-24RL							
97	1	DISH SHELVING	INTERMETRO SUPER ERECTA	PRO						
10	1	HAND SINK WITH FAUCET	JOHN BOOS HAND SINK							
11	1	ROLL IN HEATED CABI	NERUE STAIHRI-IS	120/ 208		15.0		1 D	86	NEMA 14-20P
12	1	TWO DOOR REACH IN REFRIGERATOR	EXISTING RELOCATED							
13	2	PREP TABLES	EXISTING RELOCATED							

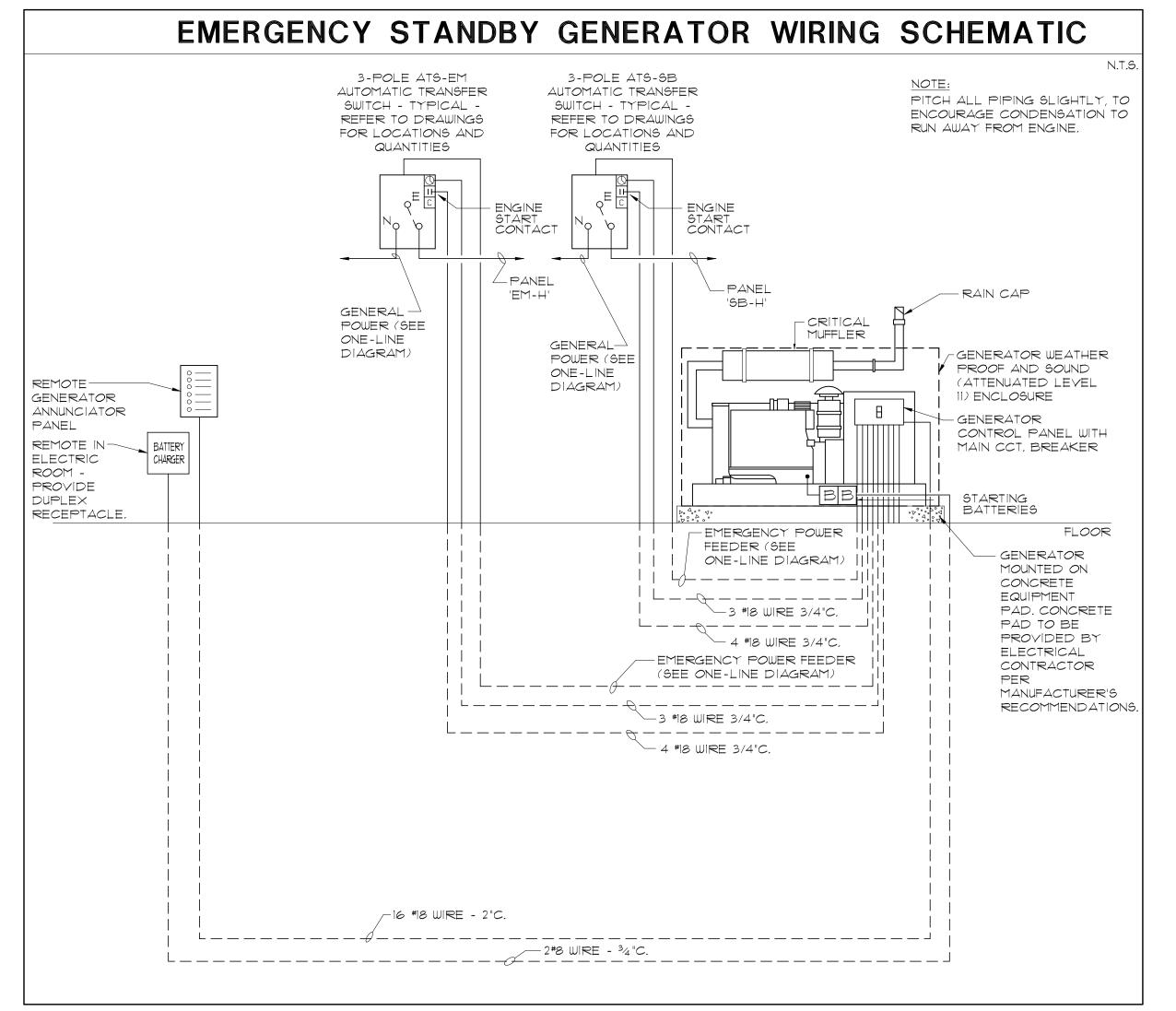


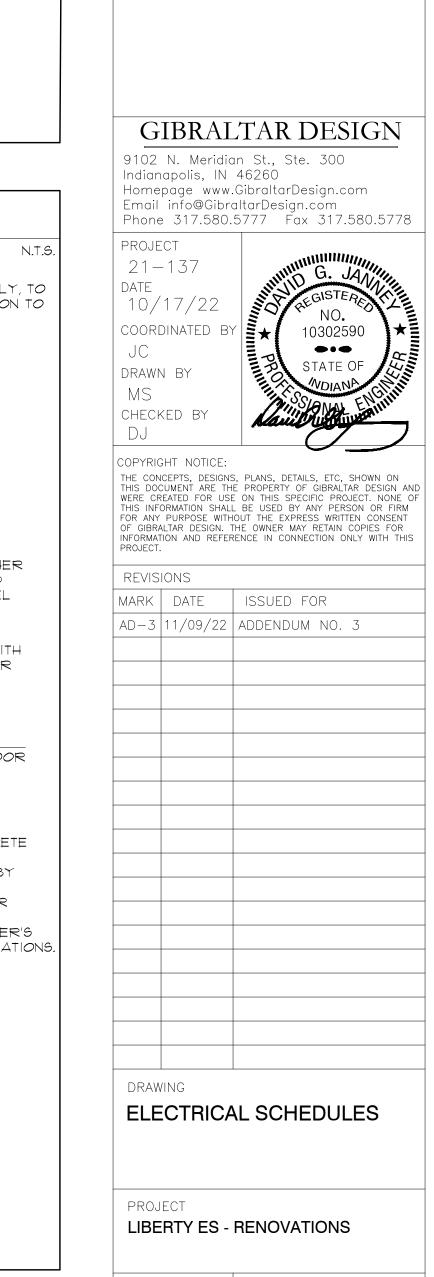






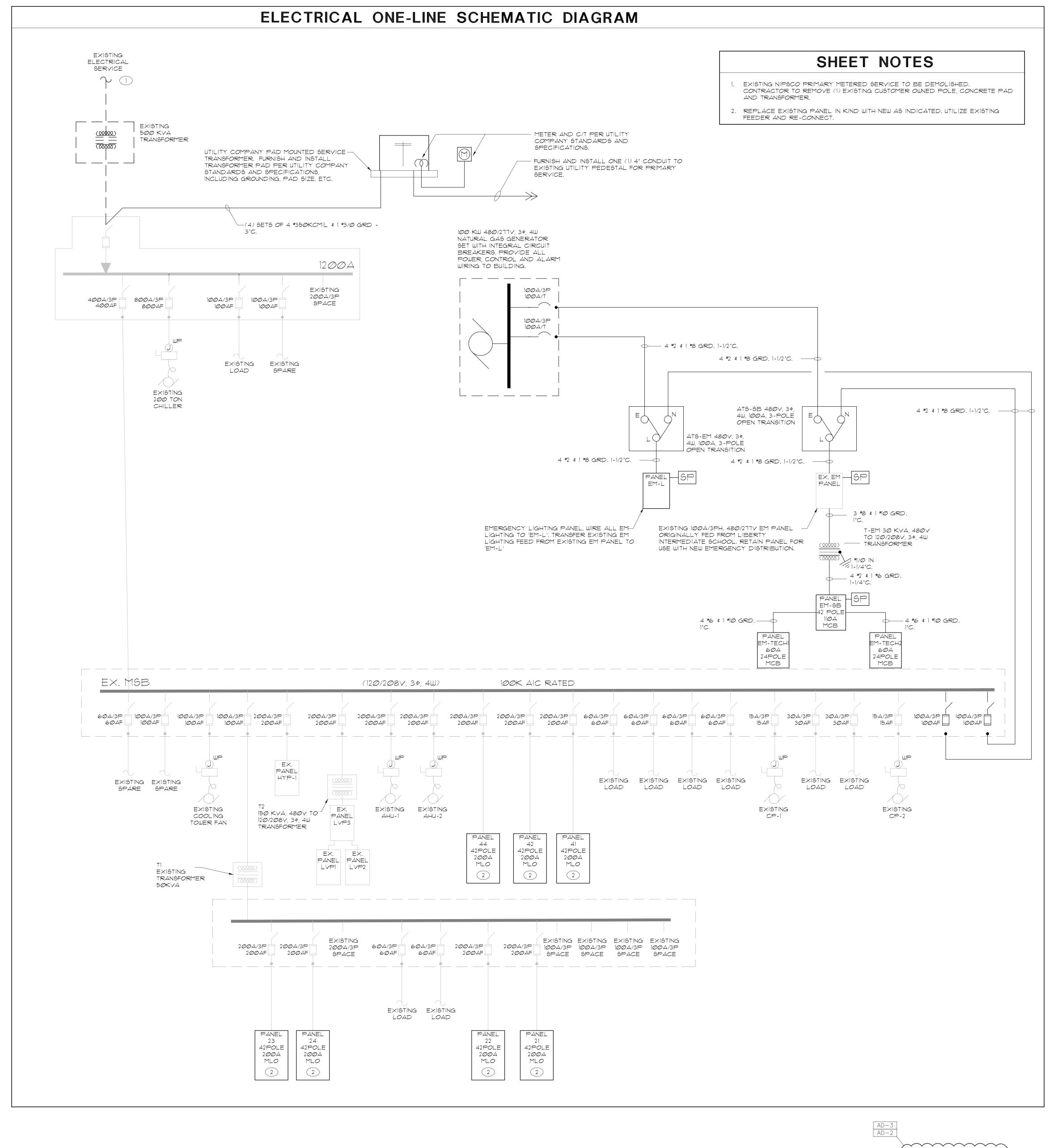






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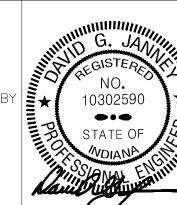
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GIBRALTAR DESIGN

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PR	OJECT.		
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MA	\RK	DATE	ISSUED FOR
AE	)-2	11/02/22	ADDENDUM NO. 2
AD	)-3	11/09/22	ADDENDUM NO. 3
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DRAWING

ELECTRICAL SCHEDULES

PROJECT
LIBERTY ES - RENOVATIONS

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NEW SHEET ADDED TO

CONSTRUCTION DOCUMENTS IN THIS ADDENDUM

E-604

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#### **GENERAL ROUGH-IN NOTES:**

- CONTRACTOR SHALL USE THESE DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS TO DETERMINE THE FULL SCOPE, INTENT AND REQUIREMENTS OF THE PROJECT. SPECIFICATIONS AND DRAWINGS ARE INTENDED TO BE COMPLEMENTARY, NOT MUTUALLY EXCLUSIVE. WORK SHOWN ON THE DRAWINGS BUT NOT LISTED IN THE SPECIFICATIONS. AND WORK DESCRIBED IN THE SPECIFICATIONS BUT NOT SHOWN ON THE DRAWINGS SHALL BE INTERPRETED AS THOUGH WORK WERE FULLY DESCRIBED IN BOTH PLACES. THE HIGHER QUANTITY, HIGHER QUALITY, MORE LABOR INTENSIVE AND OVERALL MORE STRINGENT AND MORE COSTLY REQUIREMENT SHALL APPLY.
- 2) COLORS OF CABLING USED FOR ALL COMMUNICATIONS TECHNOLOGY WORK SHALL BE REVIEWED AND APPROVED PRIOR TO PROCUREMENT AND INSTALLATION.
- ALL LADDER RACK AND OTHER COMMUNICATION TECHNOLOGY CABLING PATHWAYS DEPICTED ON THE ENLARGED FLOOR PLANS AND OTHERWISE NECESSARY FOR PROFESSIONAL WIRE MANAGEMENT WITHIN THE MAIN EQUIPMENT ROOM (ER) AND ALL TELECOMMUNICATION ROOMS (TR) SHALL BE PROVIDED BY THE COMMUNICATIONS TECHNOLOGY CONTRACTOR. SEE DIVISION 27 SPECIFICATIONS AND DRAWINGS FOR REQUIREMENTS.
- THE DIVISION 27 CONTRACTOR SHALL THOROUGHLY REVIEW THE SPECIFIED ROUGH-IN TO ENSURE THAT SUPPLIED ROUGH-IN WILL SUPPORT THE CABLING AND DEVICES BEING SUPPLIED. DIVISION 27 CONTRACTOR SHALL THOROUGHLY COORDINATE WITH THE DIVISION 26 ROUGH-IN PROVIDER PRIOR TO ROUGH-IN MATERIAL ACQUISITION AND INSTALLATION.

#### **GENERAL PATHWAYS NOTES:**

CAVITY. SEE ALSO "DEFINITIONS."

- ROUGH-IN/PATHWAYS SHALL BE CLOSELY REVIEWED AND COORDINATED PRIOR TO INSTALLATION. IT IS THE RESPONSIBILITY OF THE ROUGH-IN PROVIDER TO THROUGHLY REVIEW AND UNDERSTAND THE REQUIREMENTS OF THE SYSTEMS THAT WILL USE THE PATHWAYS. THIS INCLUDES, BUT IS NOT LIMITED TO, PROPER SIZING OF BOXES, AND PROVIDING THE CORRECT QUANTITY AND SIZES OF CONVEYANCES. THE COST FOR REMOVING AN INSUFFICIENT PATHWAY SYSTEM AND INSTALLING AN APPROPRIATELY SIZED AND TYPED PATHWAY SYSTEM IS THE RESPONSIBILITY OF THE
- PATHWAYS SHALL BE COMPLIANT WITH THE CONTRACT DOCUMENTS.
- WHERE CONDUIT IS SHOWN AND/OR SPECIFIED, PROVIDE PULL BOXES SHOWN ON THE DRAWINGS PLUS ADDITIONAL PULL BOXES AS FOLLOWS:

#### A) EVERY 180 DEGREES OF CONDUIT BEND; B) EVERY 100 FEET OF CONDUIT PATH.

- 3) INSTALLED PULL BOXES AND JUNCTION BOXES BE IN ACCESSIBLE LOCATIONS.
- ROUGH-IN REQUIREMENTS INDICATED ON PLANS, ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER VALUES GIVEN ON THE LEGEND, BUT ONLY TO THE EXTENT THAT THOSE SPECIFIC ITEMS ARE
- PROVIDE PATHWAYS FOR COMMUNICATIONS AND SECURITY SYTEMS CABLING. REFER TO SECTIONS "PATHWAYS FOR COMMUNICATIONS" AND "PATHWAYS FOR SAFETY AND SECURITY".
- PROVIDE COVER PLATES FOR DEVICE, JUNCTION AND PULL BOXES. COORDINATE MATERIAL AND FINISH OF BLANK PLATES TO MATCH SURROUNDING PLATES.
- WHERE CONDUITS ARE SPECIFIED "TAAC" (TO ABOVE ACCESSIBLE CEILING) THIS SHALL MEAN THAT CONDUITS SHALL BE STUBBED INTO AN ACCESSIBLE CEILING CAVITY WITHIN THE SAME ROOM AS THE DEVICE THE CONDUIT SERVES. SEE ALSO "DEFINITIONS."
- WHERE DEVICE CONDUITS ARE SPECIFIED "TAHC" (TO ABOVE ACCESSIBLE HALLWAY/CORRIDOR CEILING) THIS SHALL MEAN THAT CONDUITS SHALL BE RUN CONTINUOUS AND STUBBED OUT INTO AN ACCESSIBLE CEILING CAVITY WITHIN THE NEAREST CORRIDOR FEATURING AN ACCESSIBLE CEILING
- 9) CONDUIT INSTALLER SHALL INSTALL PULL STRINGS IN CONDUITS IMMEDIATELY AFTER INSTALLATION. THIS INCLUDES CONDUITS TARGETED FOR IMMEDIATE AND FUTURE USE.
- 10) WHERE A MOUNTING HEIGHT MEASUREMENT IS APPLIED TO A ROUGH-IN, THE MEASUREMENT SHALL BE REFERENCED TO THE CENTER OF THE ROUGH-IN DEVICE. EXCEPT WHERE OTHERWISE DETAILED.
- 11) ROUGH-IN BOXES SHALL BE INSTALLED FLUSH IN WALLS AND CEILINGS 12) PATHWAYS SHALL BE INSTALLED CONCEALED MANNER. EXPOSED CONDUIT SHALL NOT BE
- PERMITTED IN FINISHED AREAS. 13) SURFACE MOUNT BACK BOXES AND MATCHING RACEWAY SHALL BE USED FOR COMMUNICATION
- TECHNOLOGY DEVICES THAT ARE NOT INSTALLED WITHIN A WALL OR CEILING 13) PROVIDE CODE-COMPLIANT FIRE-STOPPING FOR PATHWAYS THROUGH FIRE-RATED WALLS, FLOORS
- AND CEILINGS.
- 14) ALL CONDUIT PROVIDED FOR COMMUNICATION TECHNOLOGY USE SHALL BE PROVIDED WITH NYLON END-BUSHINGS. BUSHINGS SHALL BE INSTALLED AT EACH END OF THE CONDUIT; AT EACH PULL/ JUNCTION/DEVICE BOX; ON CONDUIT STUBS; AT EACH LOCATION WHERE PULLING CABLE THROUGH THE CONDUIT MAY CAUSE THE CABLE TO RUB AGAINST THE END OF A CONDUIT OR ITS END FITTING.
- 15) DEVICES DESIGNATED WITH THE "CH" SUBSCRIPT (COUNTER HEIGHT) SHALL BE CLOSELY COORDINATED IN THE FIELD WITH ARCHITECT, CASEWORK AND FURNITURE VENDORS PRIOR TO
- 16) DEVICES TO BE INSTALLED AT CASEWORK LOCATIONS SHALL BE CLOSELY COORDINATED WITH THE CASEWORK TO ENSURE FUNCTIONAL CONNECTIVITY. COORDINATE WITH THE ARCHITECT AND THE EQUIPMENT AND CASEWORK DRAWINGS.
- 17) ROUGH-IN SHALL BE CLOSELY COORDINATED TO COMPLEMENT THE INTENDED FURNITURE PLAN AND TO ENSURE THE SAFE AND EFFICIENT CONNECTIVITY OF EQUIPMENT.
- 18) MANY COMMUNICATIONS DEVICES ARE INTENDED TO HAVE ADJACENT POWER OR INTEGRAL
- RECEPTACLES (MULTI-SERVICE) TO SERVE THE SAME EQUIPMENT. CLOSE PROXIMITY OF SEPARTE DEVICES IS CRITICAL FOR USABILITY AND AESTHETICS. COORDINATE THE LOCATION OF SEPARATE DEVICES SO THAT THEY ARE LOCATED ADJACENT AND AT THE SAME ELEVATION.
- 19) TELECOMMUNICATION DEVICE MOUNTING HEIGHT SHALL BE CONSISTENT WITH THE ELECTRICAL OUTLET MOUNTING HEIGHTS FOR THE FACILITY (NEW OR EXISTING) UNLESS OTHERWISE INDICATED ON DRAWINGS. CONTRACTOR SHALL SEEK THE DIRECTION OF THE DESIGNER/ARCHITECT/ENGINEER/ CONSULTANT SHOULD DISCREPANCIES BE FOUND WITHIN THE DRAWINGS, SPECIFICATIONS AND ACTUAL FIELD CONDITIONS.
- 20) CONDUITS STUBBED INTO THE CEILING CAVITY SHALL BE MARKED WITH AN INDELIBLE MARKER INDICATING THE CONDUIT'S INTENDED USE. MARK CONDUIT SO AS TO BE READABLE FROM BELOW. LABEL WITHIN 6 INCHES OF THE CONDUIT BUSHING. BELOW OF EXAMPLES OF LABELS TO BE USED. "CAMERA," "ICOM," "DOOR," "SPKR," "MIC," "CLOCK," "VOL," "PANEL," "WAP," "DATA," "PHONE," "COM," "RF," "VP," "INPUT," ETC.
- 21) WHERE SPECIFICATIONS AND/OR DRAWINGS INDICATE THE USE OF SURFACE RACEWAY AND BOXES IN LIEU OF RECESSED ROUGH-IN, THE BOX SIZE AND USABLE RACEWAY CABLE AREA SHALL SUBSTANTIALLY MATCH THAT OF THE DEFAULT STANDARD ROUGH-IN. IN SOME CIRCUMSTANCES THIS MAY REQUIRE THE CONTRACTOR TO PROCURE MATERIALS ONLY AVAILABLE BY SPECIAL ORDER FROM THE MANUFACTURERS.
- 22) LADDER RACK AND OTHER COMMUNICATION TECHNOLOGY CABLING PATHWAYS DEPICTED ON THE ENLARGED FLOOR PLANS SHALL BE PROVIDED AS INDICATED. ADDITIONAL PRODUCTS NECESSARY FOR PROFESSIONAL WIRE MANAGEMENT WITHIN THE MAIN EQUIPMENT ROOM <ER> AND ALL TELECOMMUNICATION ROOMS <TR> SHALL BE ALSO BE PROVIDED AS NECESSARY.
- 23) ELEVATOR TELEPHONE CONNECTIONS, SHALL BE CLOSELY COORDINATED WITH THE ELEVATOR PROVIDER. PROVIDE CONDUIT FROM THE ELEVATOR CONTROL PANEL TO THE CORRIDOR CEILING SPACE, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- 24) COORDINATE THE TELEPHONE CONNECTION REQUIREMENTS FOR THE FIRE ALARM CONTROL PANEL (FACP) WITH THE FIRE ALARM INSTALLER. PROVIDE CONDUIT FROM THE FACP TO ACCESSIBLE

. CORRÍDOR CEILING SPACE, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

- 25) COORDINATE DATA CABLING AND TERMINATION REQUIREMENTS FOR HVAC BUILDING AUTOMATION SYSTEM (BAS), WITH THE BAS PROVIDER.
- 26) PROVIDE A MINIMUM OF TWO (2) 2-INCH DIAMETER THROUGH-THE-WALL CONDUIT SLEEVES FOR USE AS COMMUNICATION AND SECURITY CABLE PATHWAYS INTO EACH SPACE CONTAINING COMMUNICATION AND SECURITY DEVICES. ROUTE CONDUITS FROM ABOVE ACCESSIBLE CEILING TO THE NEAREST HALLWAY/CORRIDOR FEATURING AND ACCESSIBLE CEILING CAVITY.

#### **GENERAL NOTES:**

- 1) NOTHING SET FORTH IN THESE DRAWINGS SHALL RELEASE ANY CONTRACTOR FROM HIS RESPONSIBILITY TO PROVIDE APPROPRIATE QUANTITIES, FIELD MEASUREMENTS, DIMENSIONAL STABILITY, INSTALLATION, ANCHORAGE, AND COORDINATION WITH OTHER TRADES; OR RELEASE HIM FROM HIS RESPONSIBILITY TO IDENTIFY AND RESOLVE DEVIATIONS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, OR FREE HIM OF HIS RESPONSIBILITY TO ALERT DESIGNER TO ERRORS
- 2) CONTRACTOR SHALL UTILIZE THESE DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS TO DETERMINE THE FULL SCOPE, INTENT AND REQUIREMENTS OF THE PROJECT. SPECIFICATIONS AND DRAWINGS ARE INTENDED TO BE COMPLEMENTARY, NOT MUTUALLY EXCLUSIVE, WORK SHOWN ON THE DRAWINGS BUT NOT LISTED IN THE SPECIFICATIONS. AND WORK DESCRIBED IN THE SPECIFICATIONS BUT NOT SHOWN ON THE DRAWINGS SHALL BE INTERPRETED AS THOUGH WORK WERE FULLY DESCRIBED IN BOTH PLACES. THE HIGHER QUANTITY, HIGHER QUALITY, MORE LABOR INTENSIVE AND OVERALL MORE STRINGENT AND MORE COSTLY REQUIREMENT SHALL APPLY UNLESS OTHERWISE CLARIFIED IN WRITING PRIOR TO BID.
- 3) EACH CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING APPLICABLE CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS AND AS PERTINENT TO THE INTENT OF THESE DRAWINGS. ANY DISCREPANCY DISCOVERED SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER PRIOR TO THE COMMENCEMENT OF ANY WORK AFFECTED BY, OR RELATED TO, SUCH DISCREPANCY. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH, OR CAUSED BY HIS
- FAILURE TO COMPLY WITH THIS REQUIREMENT. 4) EACH CONTRACTOR SHALL REVIEW ALL PORTIONS OF HIS WORK, BEFORE STARTING THE WORK, TO VERIFY THAT THE WORK WILL NOT PROHIBIT COMPLETION OF THE PROJECT AS INTENDED IN THESE CONSTRUCTION DOCUMENTS. ALL QUESTIONS SHALL BE REFERRED TO THE DESIGNER FOR
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR JOB CLEANLINESS. PROJECT AREAS SHALL BE THOROUGHLY CLEANED AND TRASH DISPOSED OF AT THE END OF EACH WORK DAY. OWNER'S

FACILITIES SHALL NOT BE USED FOR WASTE DISPOSAL.

- 6) PROVIDE DUST PROTECTION WHEN WORKING IN EXISTING FACILITIES. SEAL OFF ALL WORK AREAS FROM REMAINDER OF THE EXISTING FACILITY TO RETAIN ALL CONSTRUCTION DIRT AND DUST. SEAL
- EXISTING DOORS WITH TAPE AND PROVIDE DUST-PROOF BARRIERS AS REQUIRED. 7) ALL WORK SHALL BE SEQUENCED TO PROVIDE FOR THE OWNER'S CONTINUED USE OF THE EXISTING FACILITY WHEN REQUIRED. OWNER'S ACCESS, EGRESS AND SAFETY SHALL BE MAINTAINED BY EACH

MANAGER. REFER TO THE PROJECT MANUAL FOR FURTHER REQUIREMENTS.

CONTRACTOR. THE SEQUENCE OF WORK SHALL BE AS DETERMINED BY THE CONSTRUCTION

- 8) EACH CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL SURFACES AND FINISHES IN THE INTERIOR OR EXTERIOR OF THE FACILITY. DAMAGED SURFACES OR FINISHES RESULTING FROM THE PERFORMANCE OF THE WORK OR NEGLIGENCE SHALL BE REPAIRED AT NO COST TO THE OWNER BY THE RESPONSIBLE CONTRACTOR. FINISHES AND SURFACES SHALL BE MADE TO MATCH THE EXISTING FINISHES OR SURFACES TO THE SATISFACTION OF THE OWNER AND ARCHITECT/
- 9) "TECHNOLOGY" CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE FRONT END DOCUMENTS OF THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING. ALL PHASING QUESTIONS SHALL BE ADDRESSED PRIOR TO THE CONTRACTOR'S BID SUBMISSION.
- 10) EACH CONTRACTOR SHALL FIELD VERIFY ALL EXISTING APPLICABLE CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS. AS PERTAINS TO THE INTENT OF THESE DRAWINGS, CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ARCHITECT AND DESIGNER ANY DISCREPANCIES DISCOVERED PRIOR TO THE COMMENCEMENT OF ANY WORK AFFECTED BY OR RELATED TO SUCH DISCREPANCY. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH OR CAUSED BY THAT CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.

#### **GENERAL CABLING NOTES:**

CONSTRUCTION MANAGER.

- 1) ALL PROVIDED CABLE SHALL BE RATED FOR THE ENVIRONMENT INSTALLED. 2) ALL INSTALLED CABLING SHALL BE CONTINUOUS AND WITHOUT SPLICES, EXCEPT WHERE
- "ABOVE ACCESSIBLE CEILING" SHALL BE INTERPRETED TO GENERALLY MEAN THE ACCESSIBLE CAVITY ABOVE SUSPENDED CEILING AND BENEATH THE DECK/FLOOR ABOVE. CONDUITS STUBBED ABOVE ACCESSIBLE CEILING SHALL TERMINATE IN A LOCATION IN WHICH A NORMAL HEIGHT PERSON CAN VIEW AND ACCESS WITHOUT STRAIN WHILE STANDING UPRIGHT ON A LADDER OR OTHER
- 4) COLOR CODING OF CABLING SHALL BE COORDINATED AND APPROVED PRIOR TO PROCUREMENT AND
- 5) ALL CABLE IN EXPOSED CEILINGS SHALL BE IN CONDUIT.

#### **SLEEVE AND FIRE-STOPPING NOTES:**

- 1) ALL PENETRATIONS THROUGH BUILDING STRUCTURE (WALL AND/OR FLOORS) FOR COMMUNICATIONS CABLING SHALL BE SLEEVED.
- ONE OF THE APPROVED METHODS FOR A UL LISTED ASSEMBLY.

4) ALL SLEEVES THROUGH FLOORS SHALL BE FIRESTOPPED TO A RATING EQUAL TO OR HIGHER THAN

2) ALL SLEEVES THROUGH WALLS OR FLOORS HOLDING A FIRE RATING SHALL BE INSTALLED UTILIZING

- 3) APPROVED MANUFACTURERS FOR UL LISTED SLEEVES SHALL BE SPECIFIED TECHNOLOGY SYSTEMS, UNIQUE FIRESTOP PRODUCTS, AND WIREMOLD.
- THE FLOOR RATING. 5) ALL UN-USED SLEEVES THROUGH WALLS OR FLOORS HOLDING A FIRE RATING SHALL BE
- 6) ALL SLEEVES THROUGH WALLS HOLDING A FIRE RATING SHALL BE FIRESTOPPED TO A RATING EQUAL TO OR HIGHER THAN THE WALL RATING.

FIRESTOPPED TO A RATING EQUAL TO OR HIGHER THAN THE WALL OR FLOOR RATING.

- 7) ALL PENETRATIONS SHALL BE PART OF THE RE-USABLE PATHWAY SYSTEM; FIRESTOPPED
- PENETRATIONS SHALL EITHER BE AN ASSEMBLY WITH FIRESTOP MATERIALS BUILT INTO THE ASSEMBLY OR FIRESTOPPED WITH REMOVABLE PUTTY OR FIRESTOP BAGS.

#### **AUDIO-VISUAL SYSTEMS VOICE AND DATA OUTLET WITH LOCAL INPUT** X = QUANTITY OF (4) PAIR VOICE/DATA CABLES (MIN. 1 VOICE AND 1 DATA CABLE WITHOUT SUBSCRIPT) LI = LOCAL INPUT CABLING TO A VIDEO PROJECTOR, TELEVISION, ETC. DATA OUTLET WITH LOCAL INPUT X = QUANTITY OF (4) PAIR DATA CABLES (MIN. 2 DATA CABLE WITHOUT SUBSCRIPT) = LOCAL INPUT CABLING TO A VIDEO PROJECTOR, TELEVISION, ETC. VIDEO PROJECTOR CEILING MOUNTED - NETWORK QUANTITY OF TWO - (4) PAIR DATA CABLES - THIS OUTLET WILL ALSO ACCEPT CABLING FROM LOCAL INPUT LOCATIONS ' = MODEL VIDEO PROJECTOR WALL MOUNTED QUANTITY OF TWO - (4) PAIR DATA CABLES - THIS OUTLET WILL ALSO ACCEPT LOCAL INPUT CABLES FLAT PANEL DISPLAY CEILING MOUNTED - NETWORK QUANTITY OF TWO - (4) PAIR DATA CABLES -THIS OUTLET WILL ALSO ACCEPT LOCAL INPUT CABLES Y = MOĎEL FLAT PANEL (TV) DISPLAY WALL MOUNTED - NETWORK QUANTITY OF TWO - (4) PAIR DATA CABLES - THIS OUTLET WILL ALSO ACCEPT LOCAL INPUT CABLES Y= MODEL / HEIGHT = 60" (UNLESS OTHERWISE NOTES) AUDIO VIDEO (A/V) OUTLET X = SYSTEM Y = MODEL SEE SYTEM DETAILS FOR CONNECTIVITY REQUIREMENTS MICROPHONE INPUT – WALL MOUNT X = SYSTEM SEE SYTEM DETAILS FOR CONNECTIVITY REQUIREMENTS МС MICROPHONE INPUT - CEILING MOUNT X = SYSTEMSEE SYTEM DETAILS FOR CONNECTIVITY REQUIREMENTS SYSEM SPEAKER - RECCESSED CEILING MOUNTED X = SYSTEM $\left\langle \mathbb{S} \right\rangle_{\mathsf{v}}$ Y= MODEL SYSTEM SPEAKER – WALL MOUNTED X = SYSTEM Y = MODEL SYSTEM SPEAKER - PENDANT MOUNTED X = SYSTEM Y = MODEL SYSTEM SPEAKER – CEILING MOUNTED X = SYSTEMY = MODEL A/V CONTROL PANEL X = SYSTEM Y = TYPE SEE SYTEM DETAILS FOR CONNECTIVITY REQUIREMENTS INTERACTIVE WHITE BOARD A/V SYSTEM CONTROL PANEL

	SECURITY/LIFE SAFETY
	VIDEO SURVEILLANCE CAMERA OUTLET WALL MOUNTED
Y CAM	QUAINTY OF ONE - (4) PAIR DATA CABLE (UNLESS OTHERWISE NOTED) Y = CAMERA TYPE
Y	VIDEO SURVEILLANCE CAMERA OUTLET CEILING MOUNTED
CAM	QUAINTY OF ONE - (4) PAIR DATA CABLE (UNLESS OTHERWISE NOTED) Y = CAMERA TYPE
	VIDEO SURVEILLANCE CAMERA OUTLET EXTERIOR WALL
САМ	QUAINTY OF ONE - (4) PAIR DATA CABLE (UNLESS OTHERWISE NOTED) Y = CAMERA TYPE
	SECURE DOOR
SD	DENOTES A DOOR WITH CONNECTIVITY FOR STATUS SENSOR(S) AND LOCKING AND UN-LOCKING CAPABILITIES. X – WHERE UTILIZED WILL BE DEFINED ON SYSTEM DIAGRAM
	DOOR STATUS SENSOR
DS	DOOR STATUS SENSOR ALLOWS DOOR MONITORING WITH OR WITHOUT LOCKING PROVISIONS  CABLE AS REQUIRED BY SYSTEM
	DOOR RELEASE
DR 	DOOR RELEASE SWITCH ALLOWS MANUAL ACTUATION OF AN ELEC. DOOR LOCK.
	CABLE AS REQUIRED BY SYSTEM
	KEYPAD
KP	KEYPAD UTILIZED TO ACTUATE ACCESS TO A SECURE DOOR. CABLE AS REQUIRED BY SYSTEM
	PROXIMITY CARD READER
CR	QUANTITY ONE – (4) PAIR DATA CABLE Y = MODEL
	MAY BE A COMBINATION KEYPAD AND READER; SEE SPECIFICATION.
	PANIC (DURESS) SWITCH
PS 	SWITCH UTILIZED TO MANUALLY ACTUATE ALARM AND/OR ACCESS CONTROL SYSTEM.
	ELECTRONIC HOLD OPEN
EHO	CABLE AS REQUIRED BY SYSTEM
	ELECTRIC DOOR LOCK/STRIKE
	REQUIRES 120V POWER
Х	SECURITY MONITOR

ONE DATA CABLE, PLUS OTHER SPECIAL A/V CABLES AS REQUIRED BY SYSTEM

X = TYPE

#### V = INTREGAL VOLUME CONTROL Y = MODEL SPEAKER - SOLID CEILING MOUNTED CABLE AS REQUIRED BY SYSTEM V = INTREGAL VOLUME CONTROL Y = MODEL SPEAKER, WALL TYPE **S** CABLE AS REQUIRED BY SYSTEM Y = MODELSPEAKER, PENDANT CABLE AS REQUIRED BY SYSTEM $\langle s \rangle_{\mathcal{A}}$ Y = MODEL SPEAKER, VOLUME CONTROL CABLE AS REQUIRED BY SYSTEM P = PRIORITY OVERRIDE OPTION SPEAKER, HORN TYPE CABLE AS REQUIRED BY SYSTEM $\vdash\vdash$ Y = MODEL VIDEO INTERCOM CALL STATION QUANTITY ONE - (4) PAIR DATA CABLE ACCESS CONTROL SYSTEMS CABLE TO DOOR CONTROLER VIDEO INTERCOM MASTER STATION QUANTITY ONE - (4) PAIR DATA CABLE ACCESS CONTROL SYSTEMS CABLE TO DOOR CONTROLER **CLOCK – BATTERY TYPE** WALL CLOCK; 12" DIAMETER, UNLESS OTHERWISE NOTED WG = PROVIDE WITH ACCESSORY WIRE GUARD CLOCK – BATTERY TYPE WALL CLOCK; 12" DIAMETER, UNLESS OTHERWISE NOTED WG = PROVIDE WITH ACCESS OF WG = PROVIDE WITH ACCESSORY WIRE GUARD LED CLOCK - CEILING MOUNTED QUANTITY OF ONE - (4) PAIR DATA CABLE PER CLOCK Y = MODEL LED CLOCK QUANTITY OF Y = MODEL QUANTITY OF ONE - (4) PAIR DATA CABLE PER CLOCK DOUBLE SIDED LED CLOCK - WALL MOUNTED QUANTITY OF ONE - (4) PAIR DATA CABLE PER CLOCK Y = MODEL

**DISTRIBUTED SYSTEMS** 

CABLE AS REQUIRED BY SYSTEM

SPEAKER - SUSPENDED CEILING MOUNTED

	<b>II Y</b>	
OFOLIDITY//LIFE OAFFTY/	w	VOICE OUTLET; WALL MOUNTED TELEPHONE
SECURITY/LIFE SAFETY	w 🔻	QUANTITY OF ONE - (4) PAIR VOICE CABLES CABLE WITHOUT SUBSC
VIDEO SURVEILLANCE CAMERA OUTLET WALL MOUNTED	🔻	
QUAINTY OF ONE - (4) PAIR DATA CABLE (UNLESS OTHERWISE NOTED)		VOICE AND DATA OUTLET; STANDARD
Y = CAMERA TYPE	lacksquare	X = QUANTITY OF (4) PAIR VOICE/DATA CABLES (MIN. 1 VOICE AND 1 WITHOUT SUBSCRIPT)
VIDEO SURVEILLANCE CAMERA OUTLET CEILING MOUNTED	<b>T</b>	B = BLANK COVER, NO CONNECTORS OR CABLE
QUAINTY OF ONE - (4) PAIR DATA CABLE (UNLESS OTHERWISE NOTED)	X <b>—</b> F	VOICE AND DATA OUTLET IN OFFICE FURNITUR
Y = CAMERA TYPE	$X \longrightarrow X \longrightarrow$	X = QUANTITY OF (4) PAIR VOICE/DATA CABLES (MIN. 1 VOICE AND 1 WITHOUT SUBSCRIPT)
VIDEO SURVEILLANCE CAMERA OUTLET EXTERIOR WALL	× <b>V</b> <sup>F</sup>	F = FURNITURE MOUNTED
QUAINTY OF ONE - (4) PAIR DATA CABLE (UNLESS OTHERWISE NOTED)	XY	DATA OUTLET; STANDARD
Y = CAMERA TYPE	$\times \nabla^{Y} \nabla^{Y}$	X = QUANTITY OF (4) PAIR DATA CABLES (MIN. 1 DATA CABLE WITHOUT SUBSCRIPT)
SECURE DOOR	$\nabla$	Y = (B) BLANK COVER: (CH) COUNTER HEIGHT
DENOTES A DOOR WITH CONNECTIVITY FOR STATUS SENSOR(S) AND LOCKING AND UN-LOCKING CAPABILITIES.		WIRELESS LAN ACCESS POINT OUTLET WALL MOU
X – WHERE UTILIZED WILL BE DEFINED ON SYSTEM DIAGRAM	WAP	QUANTITY OF TWO - (4) PAIR DATA CAT6A CABLES
DOOR STATUS SENSOR	∑	
DOOR STATUS SENSOR ALLOWS DOOR MONITORING WITH OR WITHOUT LOCKING PROVISIONS	WAP	WIRELESS LAN ACCESS POINT OUTLET CEILING MC
CABLE AS REQUIRED BY SYSTEM		QUANTITY OF TWO - (4) PAIR DATA CAT6A CABLES
DOOR RELEASE		
DOOR RELEASE SWITCH ALLOWS MANUAL ACTUATION OF AN ELEC. DOOR LOCK.	X POS	POINT OF SALE DATA OUTLET
CABLE AS REQUIRED BY SYSTEM	χ POS	X = QUANTITY OF (4) PAIR VOICE/DATA CABLES (MIN. 1 DATA CABLE SUBSCRIPT)
KEYPAD	ΙΥ	SEE SYSTEM DIAGRAM FOR ADDITIONAL CABLING REQUIREMENTS
KEYPAD UTILIZED TO ACTUATE ACCESS TO A SECURE DOOR.		ABOVE CEILING OUTLET
CABLE AS REQUIRED BY SYSTEM	× ₩	X = QUANTITY OF (4) PAIR DATA CABLES (MIN. 1 DATA CABLE WITHOUT SUBSCRIPT)
PROXIMITY CARD READER		
QUANTITY ONE - (4) PAIR DATA CABLE Y = MODEL	BAS	BUILDING AUTOMATION SYSTEMS OUTLET
MAY BE A COMBINATION KEYPAD AND READER; SEE SPECIFICATION.	∇ BAS	QUANTITY OF TWO - (4) PAIR DATA CABLES
PANIC (DURESS) SWITCH	$  \nabla$	COORDIATE OUTLET LOCATION WITH BUIDLING CONTROLS CONTRA
SWITCH UTILIZED TO MANUALLY ACTUATE ALARM AND/OR ACCESS CONTROL SYSTEM.	FACF	FIRE ALARM CONTROL PANEL
GTOTEW.	51.00	QUANTITY OF TWO - (4) PAIR DATA CABLES
ELECTRONIC HOLD OPEN	FACP	COORDINATE OUTLET LOCATION WITH FIRE ALARM CONTRACTOR
CABLE AS REQUIRED BY SYSTEM	ELE	ELEVATOR CONTROL OUTLET
	ELEV	QUANTITY OF TWO - (4) PAIR DATA CABLES
ELECTRIC DOOR LOCK/STRIKE	$\ oldsymbol{\mathbb{Y}}$	COORDINATE OUTLET LOCATION WITH ELEVATOR CONTRACTOR
REQUIRES 120V POWER	EMER	EMERGENCY TELEPHONE OUTLET
	EMER	QUANTITY OF ONE - (4) PAIR VOICE CABLES (UNLESS OTHERWISE N
SECURITY MONITOR	▼	LOOPENATE OUT ET LOOPTION WITH SECURITY OVERTER SOUTE

# **SCOPE OF WORK**

- "T" SERIES DRAWINGS BEING ISSUED FOR SCOPE AND COORDINATION. THE SOUND AND SECURITY SYSTEMS TO PART OF A LATER BID PACKAGE.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL OUTLET / JUNCTION BOXES, CONDUITS AND RACEWAY FOR ALL LOW VOLTAGE SYSTEMS. THIS WORK IS DEPICTED ON THE "E" AND "T" SERIES DRAWINGS.
- FOR COORDINATION PURPOSES, OCCASSIONALLY AN ITEM OF WORK MAY BE SHOWN ON THE E SERIES DRAWINGS AND THE T SERIES DRAWINGS. IN ADDITION, THE SAME WORK MAY BE INCLUDED ON MULTIPLE T SERIES DETAIL SHEETS FOR SIMILAR REASONS. REQUEST A CLARIFICATION FOR ANY ITEMS THAT APPEAR UNCLEAR AS TO QUANTITY OR CONTRACT RESPONSIBILITY. EXAMPLE: ELECRICAL DEVICES ARE SHOWN ON T SERIES DETAIL SHEETS FOR COORDINATION AND SPACING PURPOSES; THE ELECTRICAL OUTLETS AND POWER EQUIPMENT IS THE RESPONSIBILITY OF DIVISION 26. LIKEWISE, SOME TELECOMMUNICATIONS CONDUITS APPEAR ON E SERIES SHEETS FOR SPACE COORDINATION; TELECOMMUNICATIONS PATHWAY
- REFER TO DIVISION 26 AND DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CEILING SPACE.

#### LEGEND NOTES

- BASE SYMBOLS ARE UTILIZED TO REFERENCE THE FLOORPLAN LOCATION AND PROPER ROUGH-IN REQUIREMENTS. WHERE SUBSCRIPTS ARE USED WITH THESE SYMBOLS, THEY MODIFY THE REQUIREMENTS.
- INCREASE SIZE OF BOX, AS REQUIRED TO ACCOMMODATE THE QUANTITY AND SIZE OF CONDUITS ENTERING
- (4) ALL 1-GANG AND 2-GANG ROUGH-IN BOXES, RECESS/FLUSH MOUNTED, SHALL BE ASSEMBLED FROM 4" SQUARE BOXES AND SEPARATE TRIM RINGS. DEPTH OF COMPOSITE ASSEMBLY SHALL AS INDICATED,
- LISTED ON THE LEGEND; SHALL MATCH THE QUANTITY OF USABLE RACEWAYS; AND SHALL MATCH THE USABLE RACEWAY CABLE AREA SUBSTANTIALLY. TO QUANTITY AND SIZES OF RACEWAYS LISTED ON THE LEGEND. CONTRACTOR IS ADVISED THAT THIS MAY REQUIRE PROCUREMENT OF MATERIALS ONLY AVAILABLE BY SPECIAL ORDER FROM THE MANUFACTURERS.
- THE PATHWAY TO BE ACCESSIBLE AND REUSABLE. COLOR CODING OF CABLING SHALL BE COORDINATED AND APPROVED PRIOR TO PROCUREMENT AND
- INSTALLATION. (8) SYMBOLS AND SUBSCRIPTS MAY DISTINGUISH BETWEEN VOICE (V) AND DATA (D) INTENDED USES.
- SYMBOLS PLACED ON EXTERIOR WALLS WITH A "WP" SUBSCRIPT SHALL BE INSTALLED WITH WEATHERPROOF HOUSINGS AND THE ROUGH-IN SEALED FROM MOISTURE INGRESS. WHERE A TELECOMMUNICATIONS OUTLET LOCATION IS ADJACENT TO AN ELECTRICAL OUTLET, THE MOUNTING HEIGHT WILL BE THE SAME FOR EACH. WHERE MULTIPLE TELECOMMUNICATIONS ARE ADJACENT

(SUCH AS TELECOMMUNICATIONS AND SOUND DEVICES, FACEPLATES SHALL BE COORDINATED TO THE SAME

## **TELECOMMUNICATIONS**

VOICE OUTLET; STANDARD K = QUANTITY OF - (4) PAIR VOICE CABLES CABLE WITHOUT SUBSCRIPT) B = BLANK COVER, NO CONNECTORS OR CABLE ED TELEPHONE LE WITHOUT SUBSCRIPT) PAINTED WITH FIRE RETARDANT WHITE PAINT

MIN. 1 VOICE AND 1 DATA CABLE FFICE FURNITURE MIN. 1 VOICE AND 1 DATA CABLE

DATA CABLE WITHOUT TLET WALL MOUNTED

LET CEILING MOUNTED MIN. 1 DATA CABLE WITHOUT G REQUIREMENTS

DATA CABLE WITHOUT TEMS OUTLET CONTROLS CONTRACTOR

OR CONTRACTOR IE OUTLET ESS OTHERWISE NOTED) COORDINATE OUTLET LOCATION WITH SECURITY SYSTEM CONTRACTOR SECURITY ALARM PANEL OUTLET QUANTITY OF TWO - (4) PAIR DATA CABLES

COORDINATE OUTLET LOCATION WITH SECURITY SYSTEMS CONTRACTOR

## PATHWAY AND SPACES DEVICES

TELECOMMUNICATION WALL LINING (BACKBOARD) 8' TALL, 4' WIDTH 3/4" AC PLYWOOD; CUT TO FIT SPACE AS SHOWN

SIZE AS INDICATED B' MOUNTING HEIGHT WHEN HORIZONTAL, UON FIRE RATED SLEEVE THROUGH WALL 4" DIAMETER UNLESS OTHERWISE NOTED; PROVIDE FIRE STOPPING; ROUTE FROM ROOM TO ACCESSIBLE CEILING

" DIAMETER UNLESS OTHERWISE NOTED; PROVIDE FIRE STOPPING ROUTE FROM ACCESSIBLE CEILING TO ACCESSIBLE CEILING NOTE; NOT ALL SLEEVES WILL BE SHOWN, ONLY ADDITIVE INSTANCES REQUIRED TO ACHIEVE DESIGN GOALS
FIRE RATED SLEEVE THROUGH FLOOR " DIAMETER UNLESS OTHERWISE NOTED; PROVIDE FIRE STOPPING;

POKE-THRU – FIRE RATED DEVICE SEE ELECTRICAL DRAWINGS FOR POKE-THRU SIZE AND TYPE ADJACENT SYMBOL DENOTES CABLING REQUIREMENTS MODIFIED TO FIT BOX

FURNITURE WHIP - WALL

1/4" WHIP FITTING MINIMUM TELEPOWER POLE

SIZE AS NOTED OR CALCULATED BY QUANTITY AND SIZE OF CONDUITS JUNCTION/PULL BOX – FLOOR MOUNTED SIZE AS NOTED OR CALCULATED BY QUANTITY AND SIZE OF CONDUITS JUNCTION/PULL BOX – CEILING MOUNTED

SIZE AS NOTED OR CALCULATED BY QUANTITY AND SIZE OF CONDUITS

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PROJECT

21-137

10/17/22

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AND SPACES ARE COVERED UNDER DIVISION 27.

NO LOW VOLTAGE CABLING SHALL RUN EXPOSED IN AREAS OF THE BUILDING THAT DO NOT HAVE CEILINGS (I.E. GYMNASIUMS, LOCKER ROOMS, ETC.)- ALL CONDUITS RUN TO NEAREST ACCESSIBLE

ROUGH-IN REQUIREMENTS CAN BE FOUND ON THE "T-7XX" SERIES DRAWINGS. PRIOR TO INSTALLATION OF ROUGH-IN, VERIFY ROUGH-IN SIZE REQUIREMENTS WITH DEVICE SUPPLIER:

(5) IN APPLICATIONS WHERE THE DRAWINGS AND/OR SPECIFICATIONS REQUIRE THE USE OF SURFACE RACEWAY AND BOXES IN LIEU OF CONCEALED ROUGH-IN. CONTRACTOR SHALL MATCH THE SIZE OF THE BOX

WHERE FIELD CONDITIONS INVOLVE INACCESSIBLE AREAS THE ROUGH-IN SHALL BE MODIFIED TO ALLOW

MATERIALS AND INSTALLATION FOR VOICE AND DATA USES SHALL BE IDENTICAL UNLESS SPECIFICALLY NOTED. (1D. 1V IS THE SAME AS 2 CABLES).

LADDER RACK

TYPE AND COLOR AND MOUNTED AT THE SAME HEIGHT

NOTE: PROVIDE WATERFALL DEVICE WHEN CABLE DROP IS GREATER THAN 6" SLEEVE THROUGH WALL

ROUTE FROM ROOM TO ACCESSIBLE CEILING NOTE: PROVIDE WATERFALL DEVICE WHEN CABLE DROP IS GREATER THAN 6"

FLOOR BOX – FLUSH TO FINISHED FLOOR SEE ELECTRICAL DRAWINGS FOR FLOORBOX SIZE AND TYPE ADJACENT SYMBOL DENOTES CABLING REQUIREMENTS MODIFIED TO FIT BOX

FURNITURE WHIP FROM FIRE RATED POKE THROUGH DEVICE X = [WHERE X REPRESENTS A-C] POKE-THRU SIZE AND TYPE

ADJACENT SYMBOL DENOTES CABLING REQUIREMENTS MODIFIED TO FIT BOX JUNCTION/PULL BOX – WALL MOUNTED

NOTE; ALL BOXES SHALL BE MOUNTED SO AS TO ALLOW RE-ENTRY IN A SAFE (P) | NOTE: ALL BOXES SHALL BE MOUNTED SO AS TO ALLOW RE-ENTRY IN A SAFE

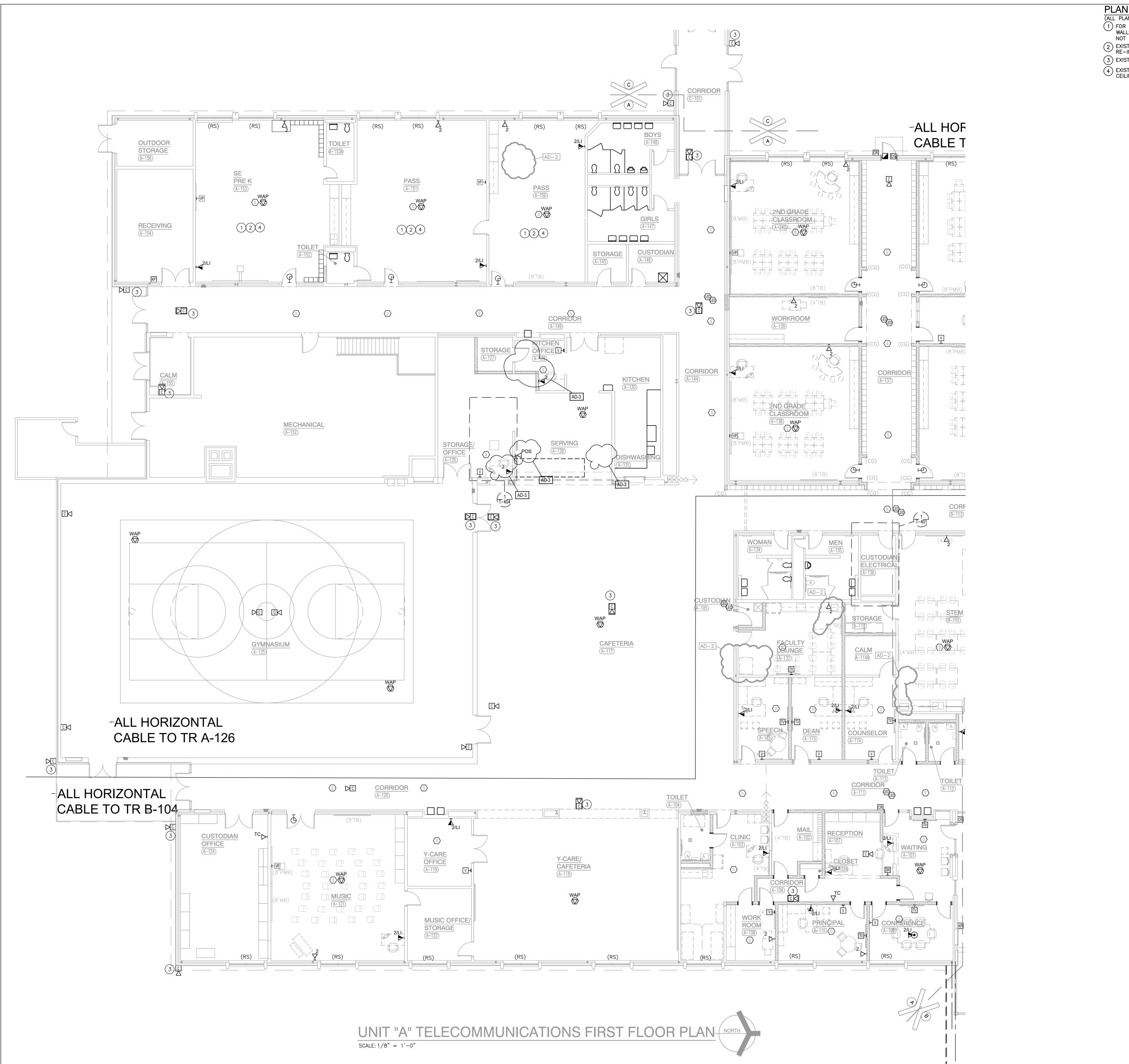
NOTE; ALL BOXES SHALL BE MOUNTED SO AS TO ALLOW RE-ENTRY IN A SAFE

DRAWING

**TELECOMMUNICATIONS** LEGEND

LIBERTY ES - RENOVATIONS

T-001



PLAN NOTES:

- (ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)
- 1 FOR NEW TELECOMMUNICATIONS OUTLETS BEING INSTALLED IN EXISTING WALLS RE-USE AND/OR MODIFY EXISTING RACEWAY WHERE POSSIBLE. IF NOT PROVIDE NEW SURFACE RACEWAY
- 2 EXISTING WIRELESS ACCESS POINT(S) TO BE RE-CABLED AND RE-INSTALLED IN NEW CEILING.
- (3) EXISTING SECURITY CAMERA(S), RE-INSTALL IN NEW CEILING.
- 4 EXISTING INTERCOM SPEAKER TO BE RE-INSTALLED IN NEW CEILING.



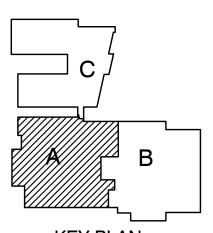
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**KEY PLAN** GIBRALTAR DESIGN

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AD-3	11/09/22	ADDENDUM 3

UNIT "A" TELECOMMUNICATIONS FIRST FLOOR PLAN

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