

October 28, 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 1-1 and attached Addendum No. 1 from Gibraltar Design dated October 26, 2022 and consisting of 4 pages, Hardware Set 17, and 23 Drawings.

A. <u>SPECIFICATION SECTION 00 31 00 - INDIANA BID FORM</u>

1. **Replace with attached**

B. <u>SPECIFICATION SECTION 01 23 00 - BID ALTERNATES</u>

1. **Replace with attached**

CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

ADD No.1

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 regarding this Bid

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

Insert Category No. (s) and Name(s)

Of public works project, Duneland Liberty Elementary School Renovations, in accordance with Plans and Specifications prepared by Gibraltar Design, 9102 N. Meridian St., Ste. #300, Indianapolis, IN 46260, as follows:

BASE BID

For the sum of

(Sum in words)

_____DOLLARS (\$______)

(Sum in figures)

The undersigned acknowledges receipt of the following Addenda: Receipt of Addenda No. (s)

PROPOSAL TIME

Bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

| Attended pre-bid conference | YES | NO |
|-----------------------------|-----|----|
| Has visited the jobsite | YES | NO |

The Bidder has reviewed the Guideline Schedule in Section 01 32 00 and the intent Of the schedule can be met.

YES _____ NO____

Bidder has included their Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6.

YES _____ NO_____

The Skillman Corporation's diversity initiative is to create a program to encourage, assist and measure the active participation of Minority- Owned, Women-Owned, Veteran – Owned and Disabled Individual-Owned Businesses. The Program is to ensure that MWVDBEs are provided full and equal opportunity to participate in all Skillman Corporation's Projects.

| Bidder has included: | DBE: YES | % | NO | |
|----------------------|----------|---|----|--|
| | MBE: YES | % | NO | |
| | WBE: YES | % | NO | |
| | VBE: YES | % | NO | |

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

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".

<u>MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE</u>

Alternate Bid No. 1 – Schneider Electric Controls installed by Precision Control Systems, Inc.

| Change the Base Bid the sum of | | |
|---|-----------------------------------|-----------------|
| (sum in words) | | |
| | | ADD DEDUCT |
| | _DOLLARS (\$) (sum in figures) | DEDUCT |
| <u>Alternate Bid No. 2 – Bell & Gossett Pumps</u> | | |
| Change the Base Bid the sum of | | |
| | _DOLLARS (\$) (sum in figures) | ADD DEDUCT |
| Alternate Bid No. 3 – Chemical Water Treatment | by H-O-H Chemicals | |
| Change the Base Bid the sum of | | |
| | _DOLLARS (\$) (sum in figures) | ADD DEDUCT |
| Alternate Bid No. 4 – Notifier Fire Alarm System | | |
| Change the Base Bid the sum of | | |
| | _DOLLARS (\$) (sum in figures) | ADD DEDUCT |
| TSC 220190.03 | | tion 00 31 00-3 |
| | | |

Alternate Bid No. 5 - Camus Boilers

| Change the Base Bid the sum of | |
|---|----------------------|
| (sum in words) | |
| | ADD DEDUCT |
| DOLLARS (\$) (sum in figures) | DEDUCT |
| (<i></i>) | |
| Alternate Bid No. 6 – Square D Electrical Distribution Equipment | |
| | |
| Change the Base Bid the sum of | |
| (sum in words) | |
| | ADD DEDUCT |
| DOLLARS (\$) (sum in figures) | DEDUCT |
| (<i></i>) | |
| Alternate Bid No. 7 – Remodel of canopy roofing, fascia and roof framing at Entry | <u>B-101 – steel</u> |
| columns and foundations to remain | |
| | |
| Change the Base Bid the sum of | |
| (sum in words) | |
| | ADD |
| DOLLARS (\$) (sum in figures) | DEDUCT |
| (sum in figures) | |
| Alternate Bid No. 8 – Wall modifications and new cooler, freezer in Storage B-127 | |
| | |
| | |
| Change the Base Bid the sum of | |
| | ADD |
| DOLLARS (\$) | DEDUCT |
| (sum in figures) | |
| Alternate Bid No. 9 – Work for kitchen areas A-126, A-127, A-128, A-129, A-130 a | nd A 121 |
| Alternate Blu No. $9 - $ work for kitchen areas A-120, A-127, A-128, A-129, A-150 a | <u>IIIU A-131</u> |
| | |
| Change the Base Bid the sum of | |
| (sum in words) | |
| DOLLARS (\$ | ADD DEDUCT |
| DOLLARS (\$) (sum in figures) | DEDUCT |

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. What public works projects are now in process of construction by your organization?

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

3. Have you ever failed to complete any work awarded to you?_____If so, where and why?

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 Organization) | |
| | Ву | | | |
| | | | | |
| | | | (Title of Person Signing) |) |
| | ACKNO | WLEDGEME | ENT | |
| STATE OF |) |) | | |
| COUNTY OF |) SS:) | | | |
| Before me, a Notary Pub | olic, personally appe | eared the abov | e-named | |
| Swore that the statement | ts contained in the fo | oregoing docu | ment are true and correct. | |
| Subscribed and sworn to | before me this | d | lay of | , |
| (Title) | | | | |
| | Notary Public | | | |
| My Commission Expire | s: | | | |
| County of Residence: | | | | |
| | END OF | SECTION 00 | 0 31 00 | |

SECTION 01 23 00 - ALTERNATES

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</u> installed by Precision Controls Systems, Inc., if not already included in your Base <u>Bid.</u>
- B. <u>ALTERNATE NO. 2: State the cost to provide hydronic pumps manufactured by</u> <u>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-</u> <u>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</u> by Notifier if not already included in your Base Bid.
- E. <u>ALTERNATE NO. 5: State the cost to provide Boilers manufactured by Camus if</u> not already included in your Base Bid.
- F. <u>ALTERNATE NO. 6: State the cost to provide Electrical Distribution Equipment</u> <u>manufactured by Square D if not already included in your Base Bid.</u>

- G. <u>ALTERNATE NO. 7: State the cost to provide new canopy structure as indicated</u> 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.
- H. <u>ALTERNATE NO. 8: State the cost to provide wall modifications at Storage A-</u><u>127 and a new cooler and freezer as indicated on the Drawings.</u>
- I. <u>ALTERNATE NO. 9: State the cost to provide the work shown for A-126, A-127, A-128, A-129, A-130 and A-131 as identified in the project documents. Removal of kitchen equipment as shown is base bid.</u>

PART 2 - PRODUCTS, PART 3 - EXECUTION (Not Used)

END OF SECTION 01 23 00



ADDENDUM ONE

Addendum One (AD.01) 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 and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

1. Specification Section 08 71 00 Door Hardware

- A. Add the following Doors to hardware set No. 5:
 - 1. A-103A, A-114A, A-116A, B-130A and B-147A.
- B. Add the following Note to Hardware Set No. 5:
 - 1. NOTE: AT EXISITNG FRAMES: VERIFY/COORDINATE PREPS ON FRAMES. PROVIDE CORRECT STRIKES, REINFORCEMENTS, FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE AND COVER EXPOSED HOLES.
- C. Revise Door B-145B to B-145A in hardware set No. 9.
- D. Add Door A-127A to hardware set No. 9.
- E. Remove Door B-145A from hardware set No. 14.
- F. See attached for revised hardware set No. 17, included in this Addendum.

DRAWINGS

2. Sheet S-402

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Add foundation section void slab detail 10/A-402 and new-to-existing slab detail 11/S-402.

3. Sheet A-101

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Updated kitchen layout and alternate designation bubble.
 - 2. Revised Plan Note 1 for void slab structural coordination.
 - 3. Add dimensions to void slab outside door A-137A.



4. Sheet A-102

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised Plan Note 1 for void slab structural coordination.
 - 2. Add dimensions to void slab outside doors B-122A, B-132A, B-137A, B-143A, B-148A, B-153A.

5. Sheet A-103

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised Plan Note 1 for void slab structural coordination.

6. Sheet A-601

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Add door A-127A.

7. Sheet A-610

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Update graphics to align with notes at Details 3/A-610, 5/A-610, and 6/A-610.

8. Sheet M-201

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Added (2) general exhaust fans for mechanical room.

9. Sheet M-301

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised AH-3 section.

10. Sheet M-401

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised AH-3 size, piping and ductwork connection.

11. Sheet M-402

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised new and demolition piping distribution.
 - 2. Added refrigerant exhaust system to mechanical room.



12. Sheet M-501

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised AH-3 equipment scheduled.
 - 2. Added (2) General exhaust fans.
 - 3. Revised grille, register and diffuser schedule.

13. Sheet P-001

A. Refer to revised full size drawings, included in this Addendum, for updated plumbing fixture schedule.

14. Sheet PD102 and P-112

A. Refer to two revised full size drawings, included in this Addendum, for canopy alternate.

15. Sheet P-202

A. Add new sheet, included in this addendum, to Construction Documents.

16. Sheet ED101

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised demolition devices and requirements.

17. Sheet EL101 and EL102

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised new work devices and requirements.

18. Sheet EP101 and EP102

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised new work devices and requirements.

19. Sheet E-201

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised new work devices and requirements.

20. Sheet E-401

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised new work devices and requirements.

21. Sheet E-602

- A. Refer to revised full size drawings, included in this Addendum, for the following revisions:
 - 1. Revised new work devices and requirements.



Pages 1 through 4, inclusive, Hardware Set 17, and Twenty-Three (23) Full-Size Drawings, constitute the total makeup of **Addendum One**.



Y:\21-137 Duneland SC - Liberty ES Additions and Renovations\Specs\ADDENDUM ONE\AD01.docx

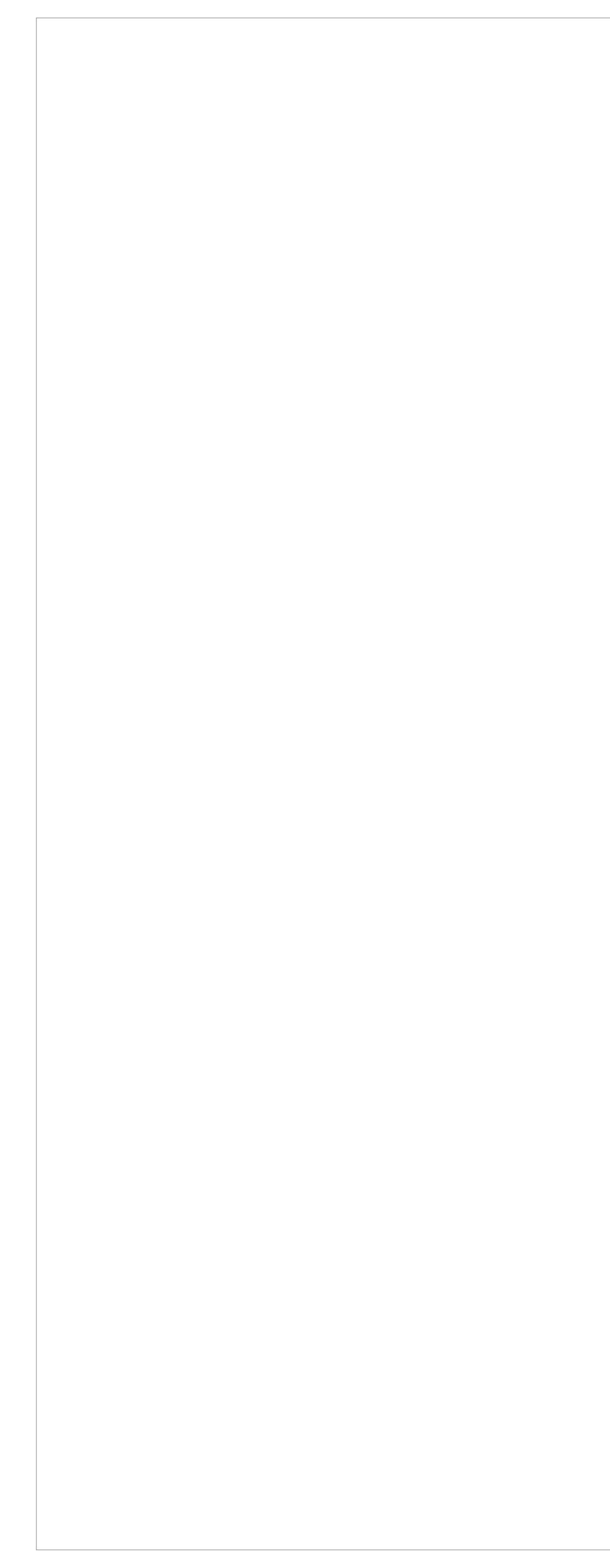


HARDWARE GROUP NO. 17

| For use | on Doo | r #(s): | | | | | |
|---------------------|-----------------|-----------------------------|---|-------------------------------------|------------------|------------------|------------------|
| A-137 | 'A | B-122A | B-132A | B-148A | B-153A | | |
| Provide | each O | PENING with the fo | llowing: | | | | |
| QTY | | DESCRIPTION | Ū | CATALOG NUMBER | | FINISH | MFR |
| 1 | EA | CONT. HINGE | | 112XY EPT | | 628 | IVE |
| 1 | EA | POWER TRANSF | ER | EPT10 | | 689 | VON |
| <mark>1</mark> 1 | <mark>EA</mark> | <mark>ELEC PANIC HAI</mark> | RDWARE | CD-RX-99-NL-OP-11 | <mark>0MD</mark> | <mark>626</mark> | <mark>VON</mark> |
| | <mark>EA</mark> | ELEC PANIC HA | RDWARE | RX-QEL-99-NL-OP-1 | 10MD 24 VDC | <mark>626</mark> | VON |
| 1 | EA | RIM HOUSING | | 20-079 | | 626 | SCH |
| <mark>1</mark> | <mark>EA</mark> | <mark>MORTISE CYLIN</mark> | | <mark>26-094 XQ11-948 36-</mark> | | <mark>626</mark> | <mark>SCH</mark> |
| <mark>1 (2)</mark> | <mark>EA</mark> | PERMANENT CC | RE | MATCH EXISTING K SYSTEM | EYING | <mark>626</mark> | <mark>SCH</mark> |
| 1 | EA | 90 DEG OFFSET | PULL | 8190HD 12" O | | 630 | IVE |
| 1 | EA | SURFACE CLOS | - | 4040XP SCUSH | | 689 | LCN |
| 1 | EA | MOUNTING PLA | | 4040XP-18PA AS RE | D'D | 689 | LCN |
| 1 | EA | CUSH SHOE SU | | 4040XP-30 AS REQ'[| | 689 | LCN |
| 1 | EA | BLADE STOP SP | | 4040XP-61 AS REQ'[| | 689 | LCN |
| 1 | EA | RAIN DRIP | - | 142AA | | AA | ZER |
| 1 | | | | WEATHERSTRIP BY | | | |
| | | | | DOOR/FRAME SUPF | PLIER | | |
| 1 | EA | DOOR SWEEP | | 39A | | А | ZER |
| 1 | EA | THRESHOLD | | 65A | | A | ZER |
| <u>1</u> | <mark>EA</mark> | CREDENTIAL RE | ADER | MTB15 - BY ACCES | | <u>BLK</u> | <u>SCE</u> |
| | | | | PROVIDER (COORD HEAD END AND CRI | | | |
| | | | | TYPE) | | | |
| 1 | EA | DOOR CONTACT | - | 7764 | | 628 | SCE |
| <mark>1</mark> | EA | POWER SUPPLY | r i i i i i i i i i i i i i i i i i i i | PS902 900-4R [COO | RDINATE | LGR | SCE |
| - | | | - | WITH ACCESS CON | TROL] | | |
| 1 | EA | DIAGRAM | | ELEVATION | | | DLR |
| 1 | EA | DIAGRAM | | POINT TO POINT | | | DLR |
| | | | | | | | |

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL. WHEN LOCKED: VALID CREDENTIAL MOMENTARILY RETRACTS ELECTRIC LATCH ALLOWING ENTRY. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PADS SHUNT DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.



DOWEL BARS PER

NEW-TO EXIST.

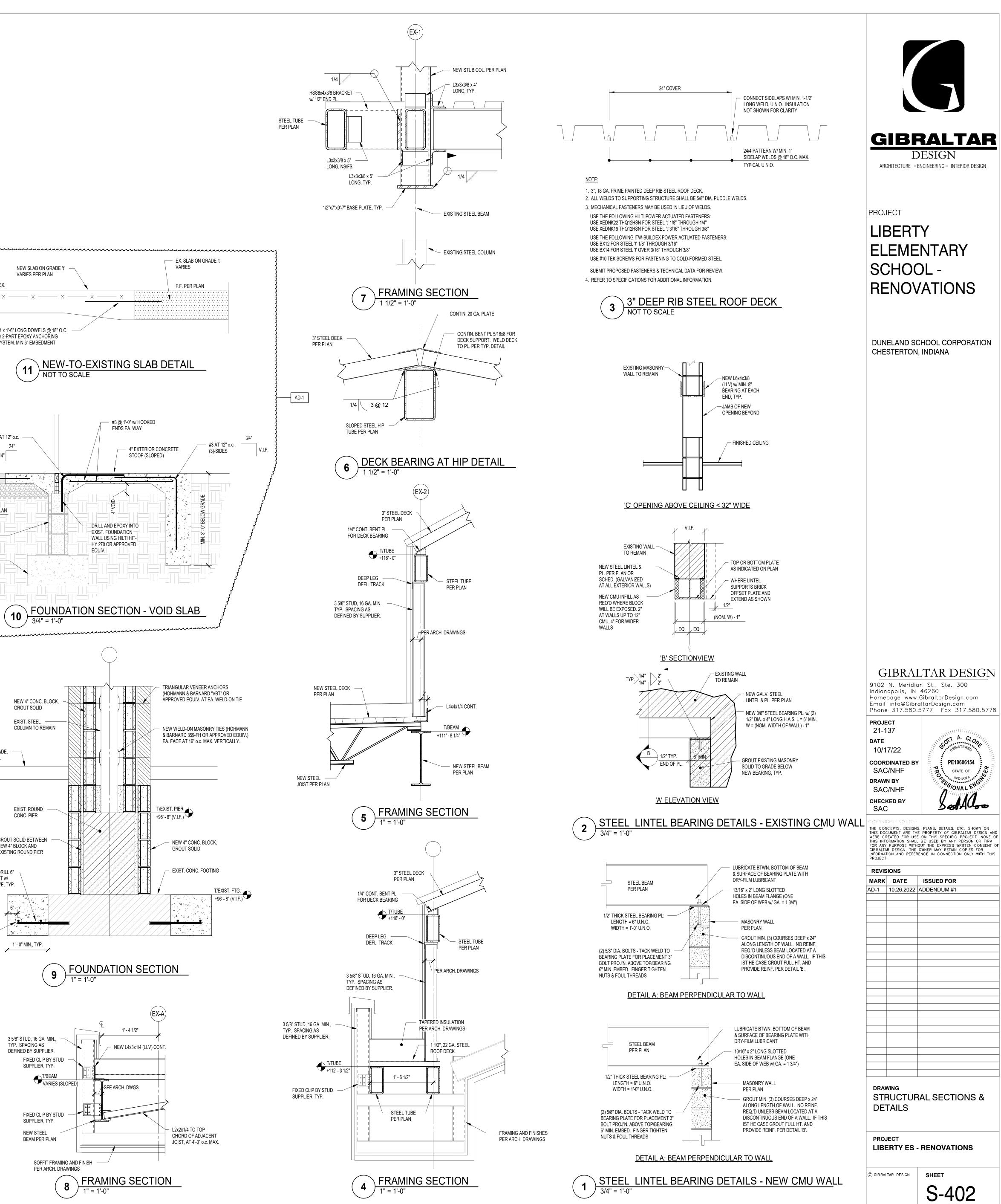
EXIST. SLAB ON

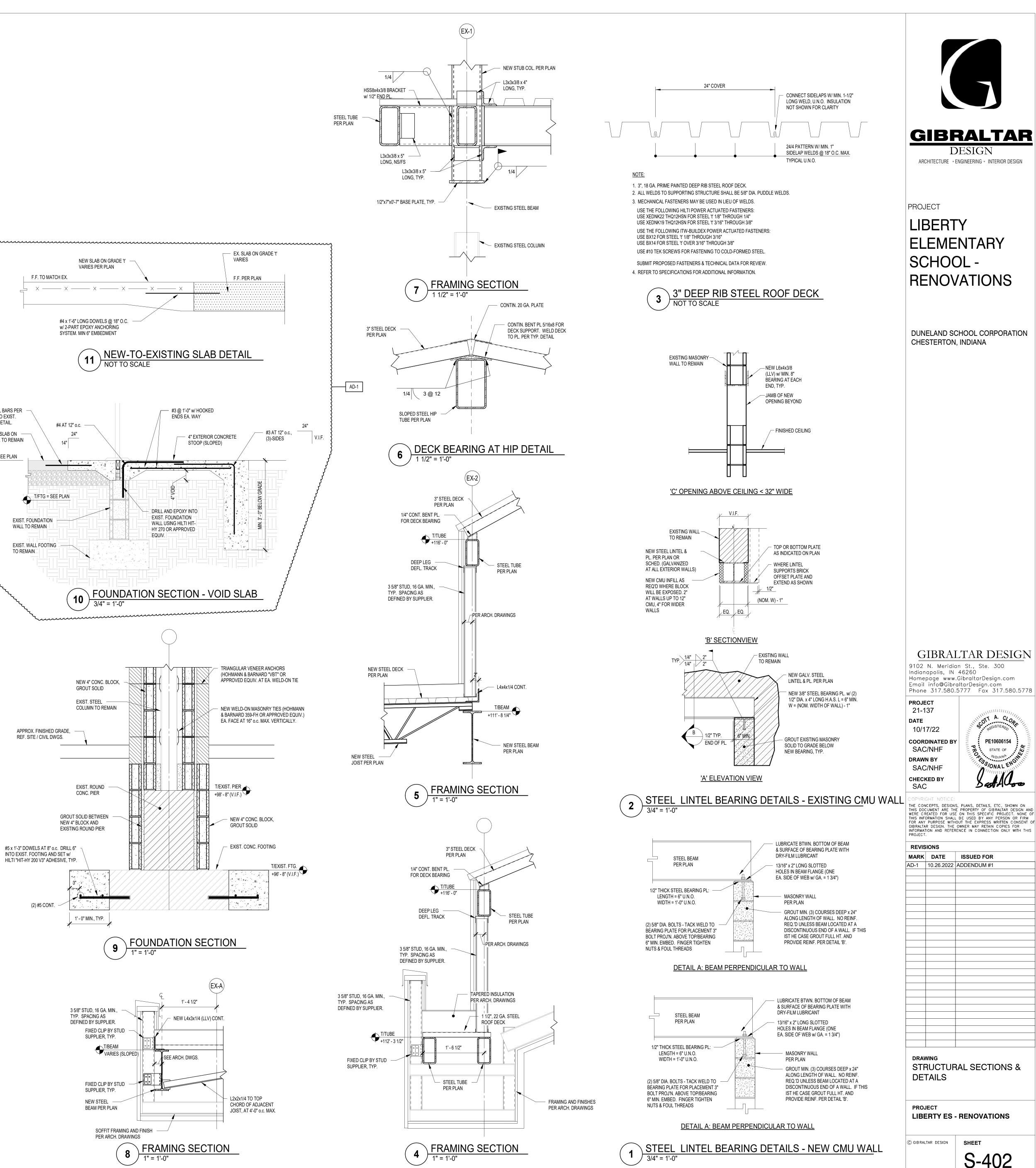
GRADE TO REMAIN

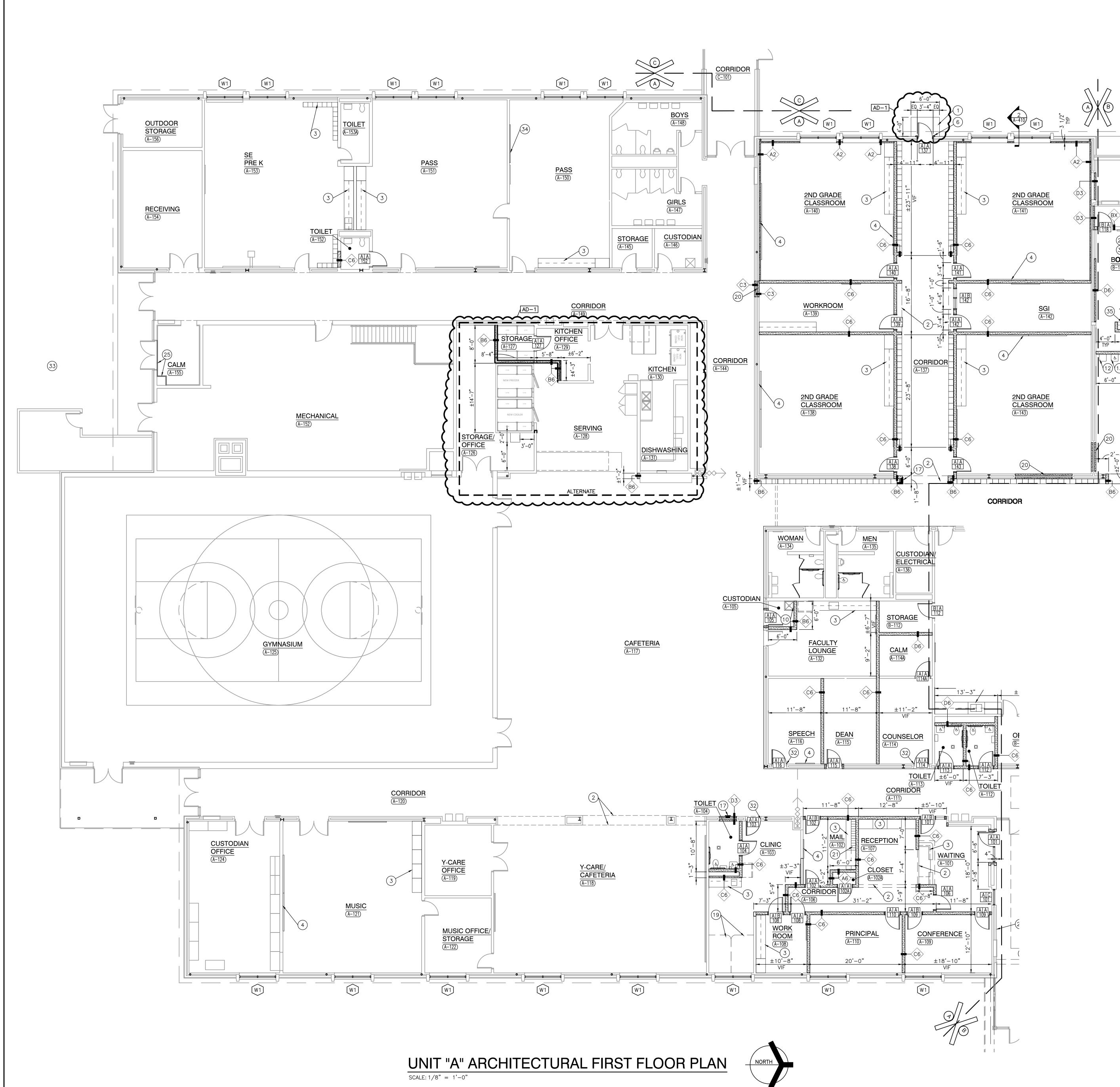
TO REMAIN_

SLAB DETAIL.

F.F. = SEE PLAN







GENERAL PLAN NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS. B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM
- BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD. C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD
- BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW. D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS
- REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE. E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0".
- REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTE OTHERWISE.
- G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS
- REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS. H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND
- OTHER CODE INFORMATION. I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE
- J. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
- K. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING
- CMU UNLESS NOTED OTHERWISE. L. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK. M. REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS, LOCATION AND EXTENT
- OF FINISHED FLOOR AND WALL MATERIAL
- N. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION. 0. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

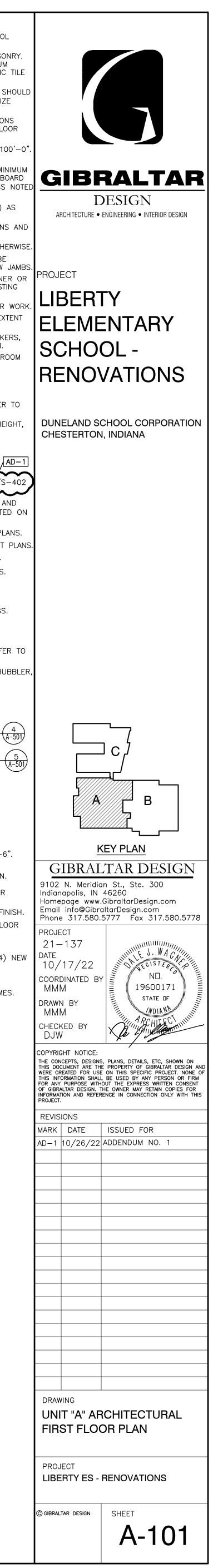
PLAN LEGEND:

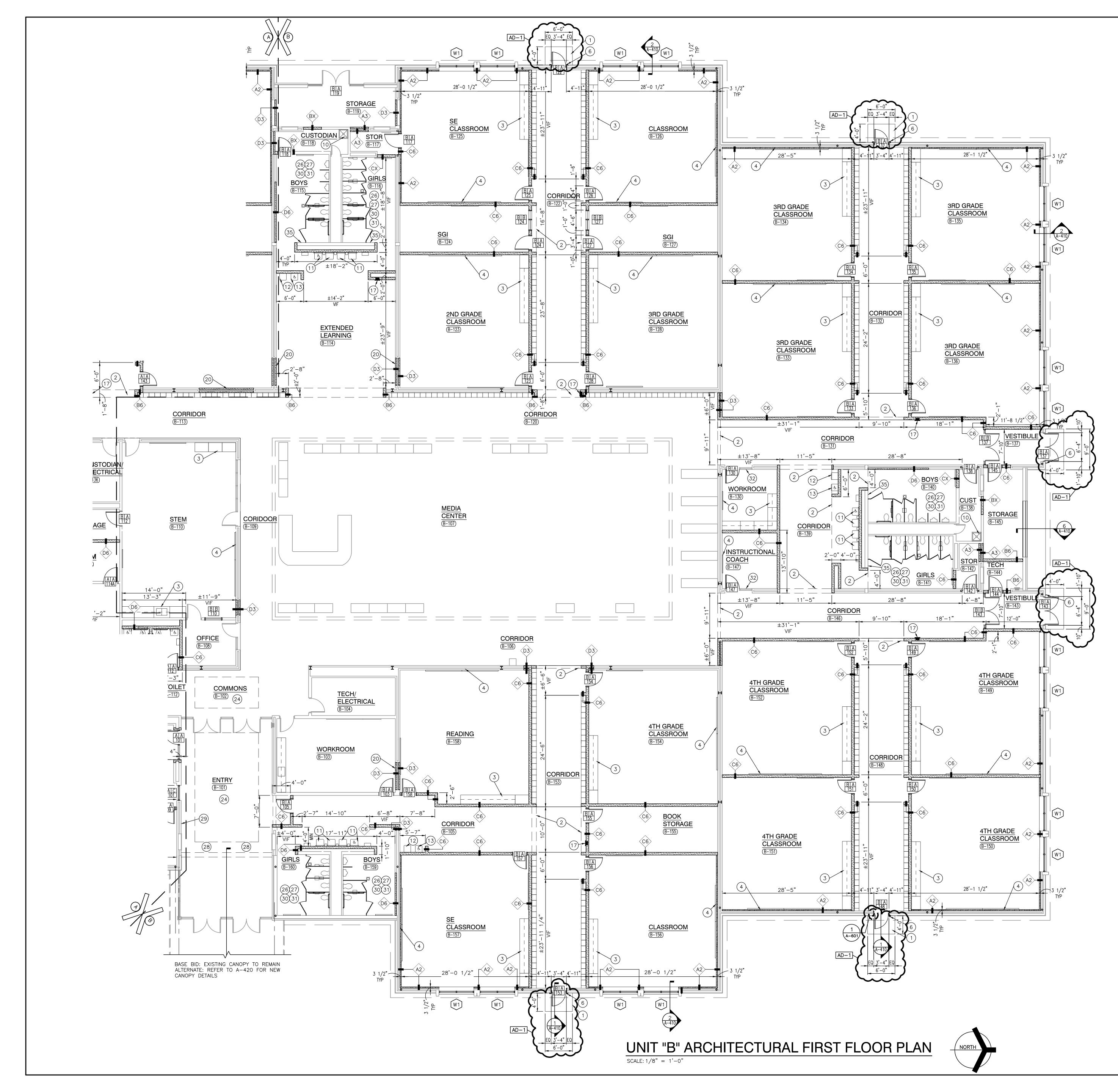
 \bigcirc INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS. INDICATES WALL TYPES REFER TO G-201 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- (1) CONCRETE STOOP/VOID SLAB, REFER TO STRUCTURAL DETAIL 10/S-402 2) DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS MAY NOT BE INDICATED ON
- THIS PLAN)
- (3) CASEWORK AND/OR MILLWORK (TYPICAL), REFER TO EQUIPMENT PLANS. (4) DISPLAY BOARD/PROJECTOR/TV MONITOR (TYP), REFER TO EQUIPMENT PLANS.
- (5) PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
- (6) CARD/FOB READER, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- (7) AI DEVICE, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- (8) FIRE ALARM CONTROL PANEL, REFER TO ELECTRICAL DRAWINGS.
- (9) FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
- (10) MOP SINK, REFER TO PLUMBING DRAWINGS.
- (11) WALL SINK, REFER TO PLUMBING DRAWINGS.
- (12) ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER, REFER TO PLUMBING DRAWINGS. (13) ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER
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- (15) UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
- (16) ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
- 17) SEMI-RECESSED FIRE EXTINGUISHER CABINET. ——
- 18) KNOX BOX.
- (19) CEILING CURTAIN TRACK. ——— (20) FILL OPENING WITH STUD WALL. FINISH FLUSH WITH ADJACENT
- STUD WALL AND PREP FOR NEW FINISH. (21) STAFF MAILBOX, REFER TO EQUIPMENT PLANS.
- (22) LINE OF CANOPY ABOVE, REFER TO SECTIONS.
- 23) DOWNSPOUT, REFER TO ROOF PLAN.
- (24) DASHED LINE INDICATES NEW PARTIAL DROP CEILING, REFER TO
- REFLECTED CEILING PLANS. (25) INSTALL NEW PLYWOOD, TO MATCH AND EXTEND EXISTING, TO 8'-6". PREP FOR NEW FINISH.
- (26) INSTALL 1/2" TILE BACKER BOARD OVER EXISTING TILE TO REMAIN. NEW WALL CONSTRUCTION TO BE FLUSH WITH FACE OF NEW TILE BACKER BOARD, REFER TO FINISH PLANS AND FINISH LEGEND FOR NEW WALL FINISHES.
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- (30) RE-INSTALL PREVIOUSLY REMOVED WATER CLOSETS WITH FOUR (4) NEW
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- 32) PAINT ALL SIDES OF EXISTING FRAME TO MATCH NEW DOOR FRAMES.
- (33) NEW OUTDOOR ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR EXACT LOCATION AND CONCRETE PAD DETAILS.
- (34) RELOCATE EXISTING MARKER BOARD. (35) INFILL CAVITY LEFT BY REMOVAL OF WALL MOUNTED MECHANICAL
- EQUIPMENT WITH WALL TYPE AX.





GENERAL PLAN NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS. B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM
- BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD. C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD
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- WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTE OTHERWISE.
- G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
- H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE
- J. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS
- K. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING
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- OF FINISHED FLOOR AND WALL MATERIAL
- N. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION. O. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

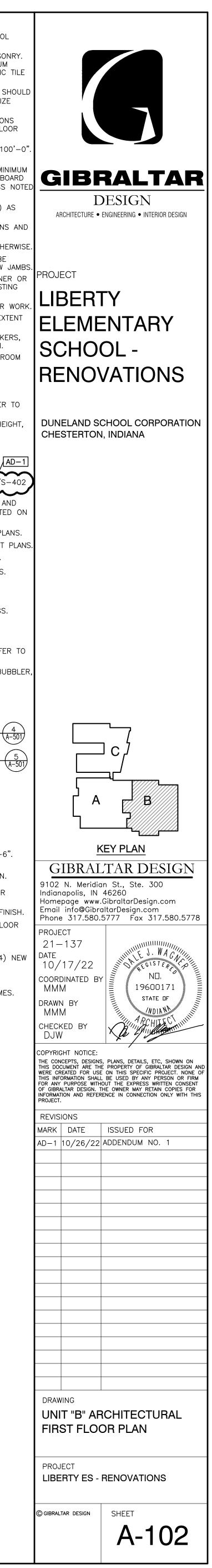
PLAN LEGEND:

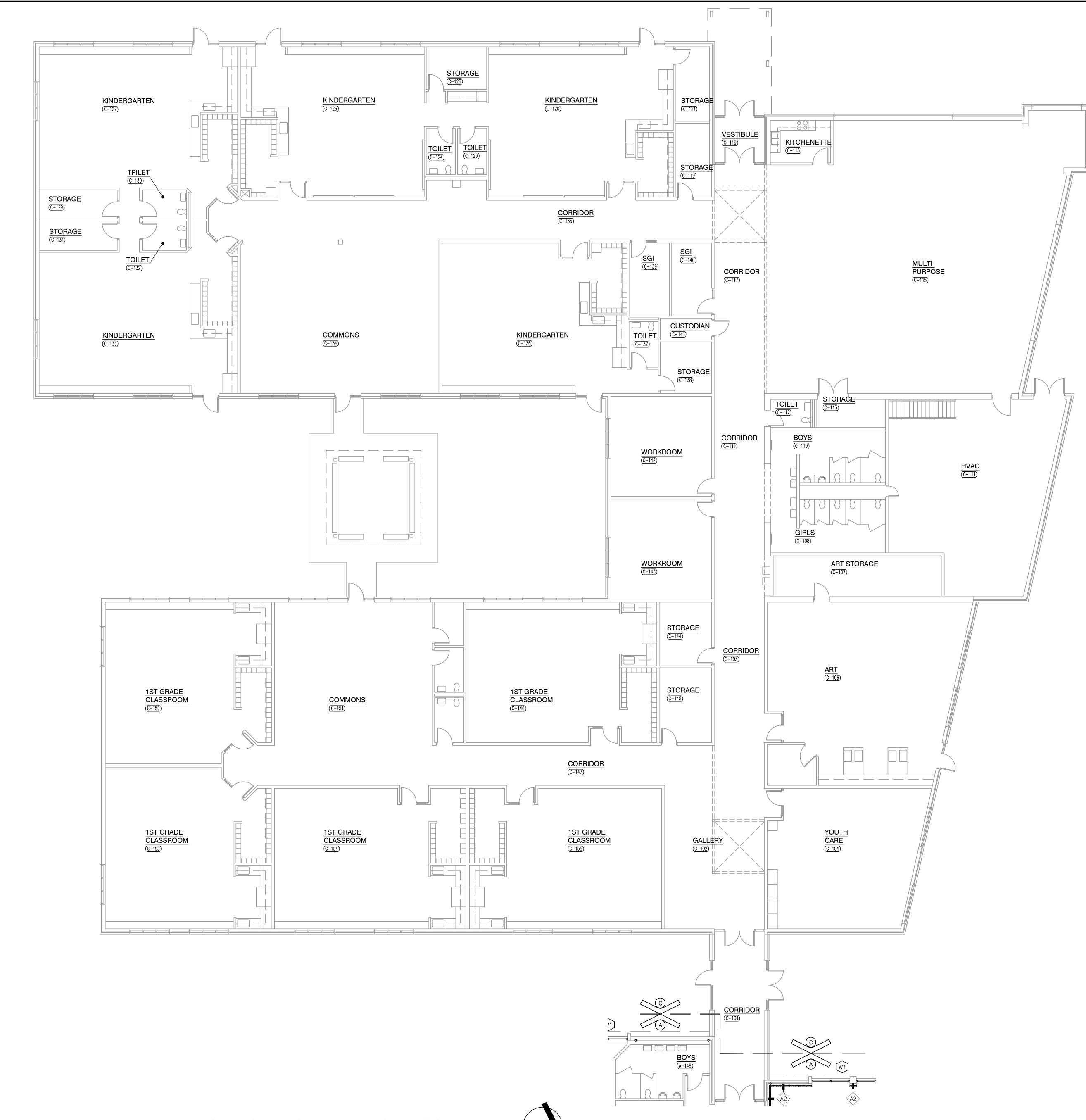
INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS. INDICATES WALL TYPES REFER TO G-201 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- 1) CONCRETE STOOP/VOID SLAB, REFER TO STRUCTURAL DETAIL 10/S-402 FOR REINFORCING REQUIREMENTS DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS MAY NOT BE INDICATED ON
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- (3) CASEWORK AND/OR MILLWORK (TYPICAL), REFER TO EQUIPMENT PLANS.
- (4) DISPLAY BOARD/PROJECTOR/TV MONITOR (TYP), REFER TO EQUIPMENT PLANS.
- (5) PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
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- (34) RELOCATE EXISTING MARKER BOARD.
- (35) INFILL CAVITY LEFT BY REMOVAL OF WALL MOUNTED MECHANICAL EQUIPMENT WITH WALL TYPE AX.





UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN

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



GENERAL PLAN NOTES:

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- K. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE. L. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.
- M. REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS, LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL
- N. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION. O. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

PLAN LEGEND:

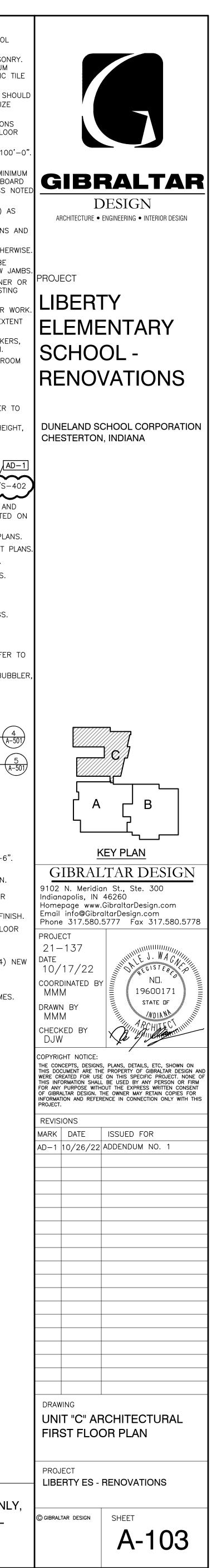
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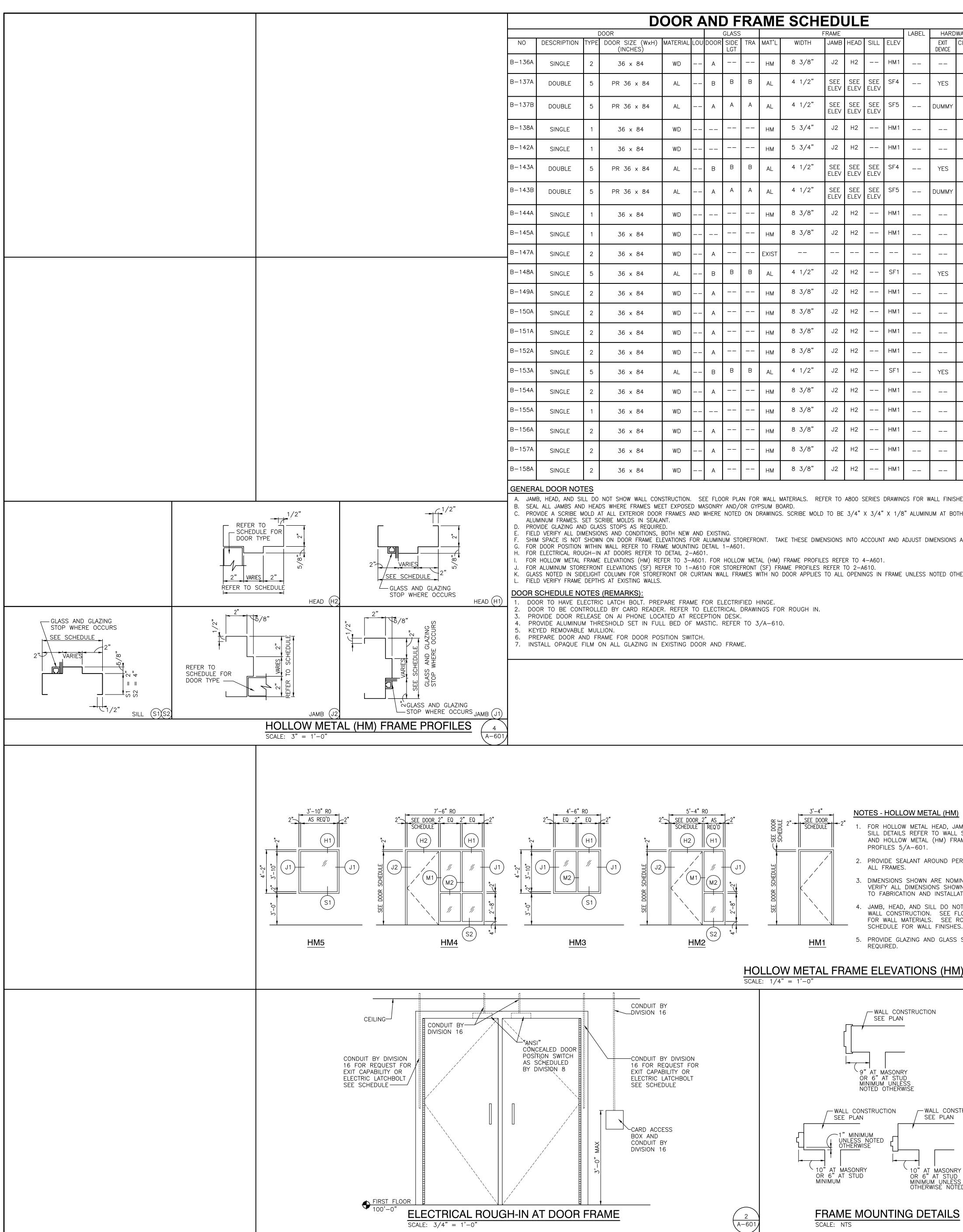
PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

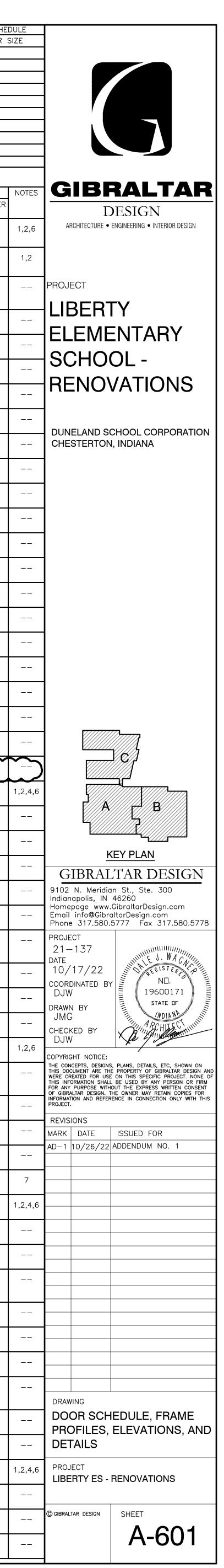
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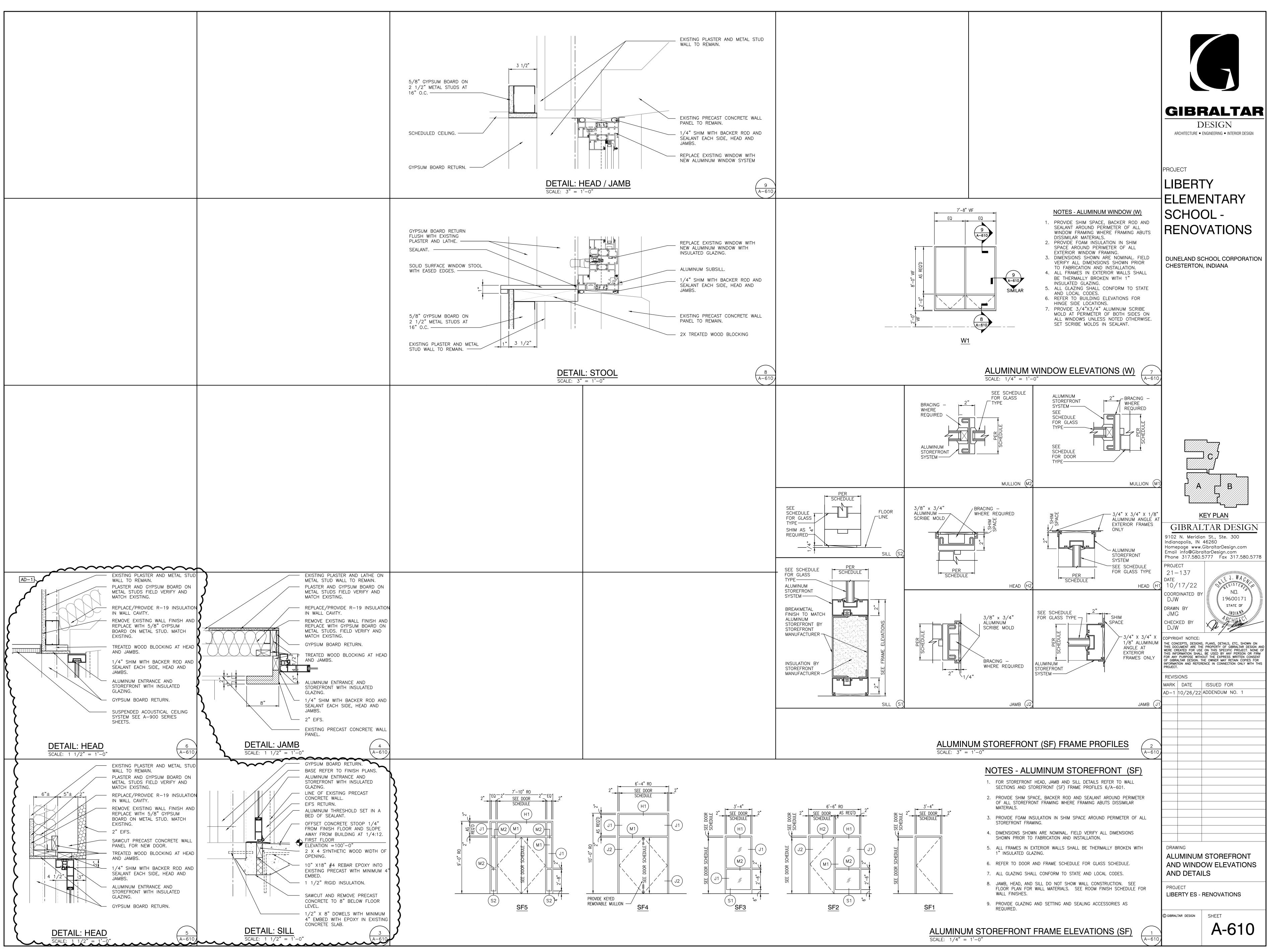
FOR REFERENCE ONLY, NO ARCHITECTURAL WORK PLANNED IN THIS AREA.

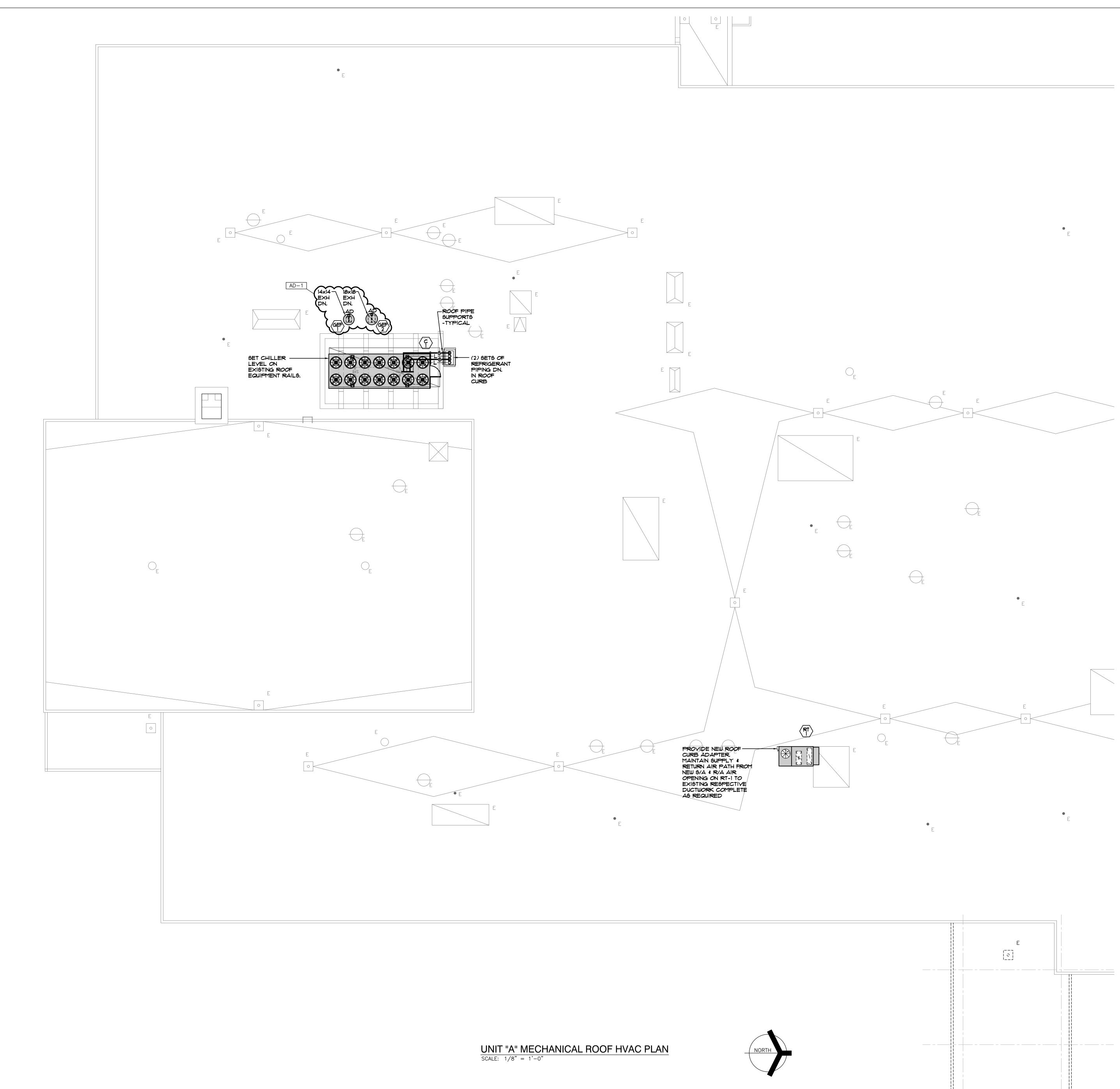




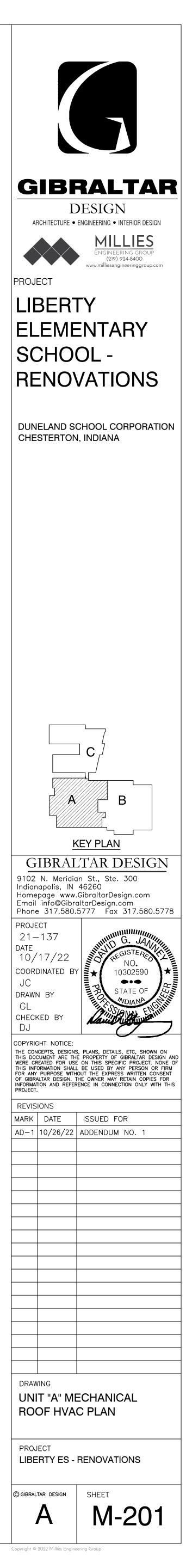
| | | | | | | | | | | | | | | | | | GLAS | S SCHEDULE | | | | | | | | DANIO | | | | | ER SCHED | |
|--|---------------------|--|-------------------|--|-----------------------------------|--|-----------|----------|------------------|--------------------------|------------------------|-----------------------------------|------------------------|--|--------------------------|---------------|--------------------|----------------------------------|-----------|-------------------------------------|----------|--------------|--------------------------|-----------------|--|---|--------------|-----------------|-----------------|-------------------------|----------------|-------------|
| | | | 1 | DOOR | | CAND F | | | ŀ | RAME | | | | BEL HAF | DWARE | NOTES | мк (| GLASS TYPES EMPERED (CLEA | AR) | | | 8 <u>"</u> 8 | ↓ 6 " | MID- 6" | FY HEIGHT OF -RAIL CENTER -1 -8" | LINE TC 8" | D MATCI 5 | H – 5" – 5" | | | _OUVER S | |
| | NO | | TYPE | (INCHES) | | LGT | TRA | | WIDTH | | | SILL EL | | EXIT DEVICE | CLOSER | | C 1" INSU | ILATED GLASS (ILATED GLASS (| | | | | | | | <u>, , , , , , , , , , , , , , , , , , , </u> | | | | | | _ |
| - | B-136A B-137A | SINGLE | 2 | 36 x 84 | WD | A | | НМ | 8 3/8" 4 1/2" | J2 | H2 | H | | | | 12456 | (TRANS | JLATED GLASS _UCENT/SPANDF | • | | | | | | | | | | | | | |
| | | DOUBLE | 5 | PR 36 x 84 | AL | B D | D | AL | | | | SEE S ELEV | | YES | YES | 1,2,4,0,0 | E 1/2" L (CLEAR | AMINATED SAFET) | TY GL | SLASS | | | 2, | | 3'-7" | | | | 3'-7" | | | |
| | B-137B | DOUBLE | 5 | PR 36 x 84 | AL | A A | A | AL | 4 1/2" | SEE ELEV | SEE ELEV | SEE S ELEV | F5 _ | DUMM | Y YES | | | | | | | 2 | | | | | | | | | | _ |
| | B-138A | SINGLE | 1 | 36 x 84 | WD | | | НМ | 5 3/4" | J2 | H2 | —— Н | M1 _ | | | | | | | | DOR | AN | | RĂMI | E SCHI | | JLE | | · I | I | | _ |
| - | B-142A | SINGLE | 1 | 36 x 84 | WD | | | НМ | 5 3/4" | J2 | H2 | —— Н | | | | | NO | DESCRIPTION T | D TYPE | DOOR DOOR SIZE (WxH) (INCHES) | MATERIAL | LOU DOC | GLASS R SIDE T LGT | RA MAT'L | WIDTH | FRAME JAMB | HEAD | SILL ELE | LABEL | HARDV EXIT DEVICE | WARE CLOSER | NC |
| | B-143A | DOUBLE | 5 | PR 36 x 84 | AL | — в В | В | AL | 4 1/2" | SEE ELEV | SEE ELEV | SEE S ELEV | F4 _ | YES | YES | 1,2,4,5,6 | A-101A | SINGLE | 3 | 36 x 84 | WD | E | | AL | 4 1/2" | SEE ELEV | SEE ELEV | SEE SF2 ELEV | · | | YES | 1 |
| | B-143B | DOUBLE | 5 | PR 36 x 84 | AL | A A | A | AL | 4 1/2" | SEE ELEV | SEE ELEV | SEE S ELEV | F5 _ | DUMM | Y YES | | A-101B | SINGLE | 3 | 36 x 84 | WD | A | A - | нм | | | | SEE HM2 ELEV | 2 | | YES | |
| | B-144A | SINGLE | 1 | 36 x 84 | WD | | | НМ | 8 3/8" | J2 | H2 | —— Н | M1 _ | | YES | | A-101C | BORROWED - | | | | | E - | AL | | | | SEE SF3 ELEV | | | | - |
| | B-145A | SINGLE | 1 | 36 x 84 | WD | | | НМ | 8 3/8" | J2 | H2 | —— Н | M1 _ | | | | A-102A | LIGHT | | | | | | UM | 8 3/8" | J2 | ELEV H2 | elev | 1 | | | <u> </u> |
| | B-147A | SINGLE | 2 | 36 x 84 | WD | A | | EXIST | | | | | | | | | A-102A | SINGLE | 2 | 36 x 84 36 x 84 | WD WD | A | + | нм | | J2 | H2 | | | | | <u> </u> |
| | B-148A | SINGLE | 5 | 36 x 84 | AL | — в В | В | AL | 4 1/2" | J2 | H2 | | | YES | YES | 1,2,4,6 | A-102B | SINGLE | 2 | 36 x 84 | WD | | | нм | 8 3/8" | J2 | H2 | HM | | | YES | <u> </u> |
| | B-149A | SINGLE | 2 | 36 x 84 | WD | A | | НМ | 8 3/8" | J2 | | —— Н | | | | | A-103A | SINGLE | 2 | 36 x 84 | WD | A | | EXIST | | | | | | | | <u> </u> |
| - | B-150A | SINGLE | 2 | 36 x 84 | WD | A | | НМ | 8 3/8" | J2 | H2 | | | | | | A-104A | SINGLE | 1 | 36 x 84 | WD | | | нм | (n | J2 | H2 | —— НМ | | | YES | <u> </u> |
| - | B-151A B-152A | SINGLE | 2 | 36 x 84 | WD | A | | НМ | 8 3/8" 8 3/8" | J2 J2 | H2 H2 | | M1 | | | | A-105A | SINGLE | 1 | 36 x 84 | WD | | | нм | 5 3/4" | J2 | H2 | —— НМ | 1 | | | <u> </u> |
| | B-153A | SINGLE | 5 | 36 x 84 36 x 84 | WD AL | —— А —— —— в В | B | НМ | 4 1/2" | J2 | H2 | s | E1 | | YES | 1,2,4,6 | A-106A | SINGLE | 2 | 36 x 84 | WD | —— A | | нм | 8 3/8" | J2 | Н2 | —— НМ | 1 | | YES | - |
| - | B-154A | SINGLE | 2 | 36 x 84 | WD | A | | AL HM | 8 3/8" | J2 | | —— Н | M1 | | | | A-108A | SINGLE | 2 | 36 x 84 | WD | —— A | | нм | 8 3/8" | J2 | H2 | —— НМ | 1 | | | - |
| - | B-155A | SINGLE | 1 | 36 x 84 | WD | | | НМ | 8 3/8" | J2 | H2 | —— н | M1 | | | | A-108B | SINGLE | 2 | 36 x 84 | WD | A | | нм | 8 3/8" | J2 | H2 | —— НМ | · | | | - |
| | B-156A | SINGLE | 2 | 36 x 84 | WD | A | | НМ | 8 3/8" | J2 | H2 | н | M1 _ | | | | A-109A | SINGLE | 2 | 36 x 84 | WD | A | | нм | 8 3/8" | J2 | Н2 | —— НМ | 1 | | | - |
| | B-157A | SINGLE | 2 | 36 x 84 | WD | A | | НМ | 8 3/8" | J2 | H2 | —— н | M1 _ | | | | A-109B | SINGLE | 2 | 36 x 84 | WD | A | | нм | 8 3/8" | J2 | Н2 | —— НМ | ¹ | | | |
| | B-158A | SINGLE | 2 | 36 x 84 | WD | A | | НМ | 8 3/8" | J2 | H2 | —— Н | M1 _ | | | | A-110A | SINGLE | 2 | 36 x 84 | WD | A | | нм | 8 3/8" | J2 | H2 | —— НМ | 1 | | | |
| | | | | | | | | I | | | | | | | | | A-112A | SINGLE | 1 | 36 x 84 | WD | | - | нм | 8 3/8" | J2 | H2 | —— НМ | 1 | | YES | <u> </u> |
| 1/2" | B. SEAL C. PRO | ALL JAMBS AN | ID HEAI MOLD A | NOT SHOW WALL CON DS WHERE FRAMES ME AT ALL EXTERIOR DOOR | ET EXPOSE FRAMES | ED MASONRY AND/O | R GYP | SUM BO | ARD. | | | | | | | OF | A-113A | SINGLE | 1 | 36 x 84 | WD | | - | нм | 8 3/8" | J2 | H2 | —— НМ | 1 | | YES | _ |
| | D. PRO' E. FIELI | /IDE GLAZING AN) VERIFY ALL DI | ND GLA | CRIBE MOLDS IN SEALA ASS STOPS AS REQUIRE DNS AND CONDITIONS, IN ON DOOR FRAME EL | ID. BOTH NEW | | RFFRO | ΝΤ ΤΔΗ | E THESE DIME | NSIONS | | | ND AD.IU | | NS ACCORD | INGLY | A-114A | SINGLE | 2 | 36 x 84 | WD | A | | EXIST | | | | | | | | - |
| | G. FOR H. FOR | DOOR POSITION ELECTRICAL ROU | WITHII UGH—IN | N WALL REFER TO FRA N AT DOORS REFER TO E ELEVATIONS (HM) RE | ME MOUNT DETAIL 2 | TING DETAIL 1—A601 —A601. | • | | | | | | | | | | A-114AA A-115A | SINGLE | 2 | 36 x 84 | WD | A | + $+$ | HM | 7 1/8" 5 3/4" | J2 J2 | H2 H2 | —— НМ —— НМ | | | | - |
| 2" | J. FOR K. GLAS | ALUMINUM STOP S NOTED IN SID | REFRON DELIGHT | NT ELEVATIONS (SF) RE T COLUMN FOR STOREF HS AT EXISTING WALLS. | FER TO 1 RONT OR | -A610 FOR STOREF | RONT | ŚF) FRA | ME PROFILES | REFER ⁻ | 0 2-1 | \610. | AME UNL | ESS NOTED | OTHERWISE. | | A-116A | SINGLE | 2 | 36 x 84 36 x 84 | WD WD | A | + $+$ | HM | | | | | ' | | | <u> </u> |
| GLAZING OCCURS HEAD (H1) | | | | (REMARKS): IC LATCH BOLT. PREI | PARE FRA | ME FOR ELECTRIF | IED H | NGE. | | | | | | | | AD-1 | | SINGLE | 1 | 36 x 84 | | | | | 7 1/8" | J2 | Н2 | —— НМ | | | | ~ |
| SS | 3. PR(4. PR(| OVIDE DOOR RE OVIDE ALUMINU | ELEASE IM THF | LED BY CARD READE E ON AI PHONE LOC RESHOLD SET IN FUL | ATED AT | RECEPTION DESK. | | | | | | | | | | | A-137A | SINGLE | 5 | 36 x 84 | AL | ~~~ В | B | B _{AL} | 4 1/2" | J2 | H2 | SF | ▲ ▲▲ | YES | YES | 1 ,2 |
| 00000 | 6. PRI | | ND FF | LLION. RAME FOR DOOR POS ON ALL GLAZING IN | | | Ξ. | | | | | | | | | | A-138A | SINGLE | 2 | 36 x 84 | WD | A | - | нм | 8 3/8" | J2 | H2 | —— НМ | 1 | | | - |
| WHERE - | | | | | | | | | | | | | | | | | A-139A | SINGLE | 2 | 36 x 84 | WD | A | | нм | 8 3/8" | J2 | H2 | —— НМ | 1 | | | - |
| STOP | | | | | | | | | | | | | | | | | A-140A | SINGLE | 2 | 36 x 84 | WD | —— A | | нм | 8 3/8" | J2 | H2 | —— НМ | 1 | | | - |
| AND GLAZING (HERE OCCURS _{JAMB} (J1) | | | | | | | | | | | | | | | | | A-141A | SINGLE | 2 | 36 x 84 | WD | A | | нм | 8 3/8" | J2 | H2 | —— НМ | 1 | | | |
| ROFILES 4 | | | | | | | | | | | | | | | | | A-142A | SINGLE | 2 | 36 x 84 | WD | A | - | нм | 8 3/8" | J2 | H2 | | | | | |
| A-601 | | | | | | | | | | | | | | | | | A-142B | BORROWED - LIGHT | | | | | A - | нм | 8 3/8" | SEE ELEV | SEE ELEV | SEE HM: ELEV | 3 | | | - |
| | | | | | | | | | | | | | | | | | A-143A | SINGLE | 2 | 36 x 84 | WD | A | | нм | 8 3/8" | J2 | H2 | —— НМ | 1 | | | |
| | | | | | | | | | | | | | | | | | A-152A | SINGLE | 1 | 36 x 84 | WD | | - | нм | 9 1/8" | J2 | H2 | —— НМ | ¹ | | YES | |
| 7'-6" RO | | 4'-6" 2"EQ_2" | | - | | <u>-4" R0</u> | | сш | 3'-4" | | NC | DTES - HO | DLLOW | <u>' METAL (H</u> | <u>M)</u> | | B-103A | SINGLE | 2 | 36 x 84 | WD | A | - | нм | 9 1/8" | J2 | H2 | —— НМ | | | YES | - |
| LE (H1) | -2" | | (H1) | -5" | SCHED | OOR 2" AS 2" DULE REQ'D 1 1 2 (H1) 1 1 | | SEE DOOR | SCHEDUI | E -2 | 1. | SILL DET AND HO | FAILS RE LLOW MI | ETAL HEAD, EFER TO WA ETAL (HM) | LL SECTIO |) NS | B-105A B-110B | SINGLE | 2 | 36 x 84 | WD | E | | HM | 8 3/8" 8 3/8" | J2 | H2 | HM SEE HM | | YES | YES | 1, |
| | | | | | | | \ \ | | | | 2. | PROFILE: PROVIDE | S 5/A-(SEALAN | 601. NT AROUND | | R OF | B-110B | BORROWED - LIGHT | | | | | A - | HM | 0 3/0 | ELEV | ELEV | SEE HMS ELEV |) | | | - |
| | 4'-2" 3'-10 | J1) // // // // // // // // // // // // // | ~ _ | | / II / / | |) | SCHEDULI | | | 3. | ALL FRA | ONS SHO | OWN ARE N ENSIONS SH | OMINAL. F | ELD | B-112A | SINGLE | 1 | 36 x 84 | WD | | - | нм | 7 1/8" | J2 | H2 | HM | | | | - |
| | | | (S1) | EE DOOR | | | | E DOOR | | | 4. | TO FABF | RICATION | AND INSTA | LLATION. | | B-117A | SINGLE | 1 | 36 x 84 | WD | | | нм | 8 3/8" | J2 | H2 | —— HM | | | | - |
| | 3,- | | <u> </u> | | | | | | | | _ | WALL CO FOR WAL | DNSTRUC | CTION. SEE RIALS. SEE WALL FINIS | FLOOR P E ROOM F | LAN | B-118A B-119A | SINGLE | 1 | 36 x 84 | WD | | | D EXIST | 9 1/8" | J2 | H2 | HM | | | | - |
| HM4 | | HM | 3 | | | HM2 | | | <u>HM</u> | <u>1</u> | 5. | PROVIDE REQUIRE | | IG AND GLA | SS STOPS | AS | B-122A | DOUBLE - | | 36 x 84 | | D | В | B AI | 4 1/2" | J2 | H2 | | | YES | YES | 1,: |
| | | | | | | | НΟ | | N META | I FR | AM | FFIF | | ONS (H | M) | 3 | B-123A | SINGLE | 2 | 36 x 84 | WD | A | | нм | 8 3/8" | J2 | H2 | —— НМ | | | | <u> </u> |
| h | | | <u>.</u> | n | | | - | | ' = 1'-0" | | | | | | | A-601 | B-124A | SINGLE | 2 | 36 x 84 | WD | A | | нм | 8 3/8" | J2 | H2 | —— НМ | 1 | | | - |
| | | | | CONDUIT I | 3Y 6 | | | | | | | / WALL | | UCTION | | | B-124B | BORROWED - LIGHT | | | | | A - | нм | 8 3/8" | SEE ELEV | SEE ELEV | SEE HMS ELEV | 3 | | | - |
| CONDUIT BY | | | | | | | | | | | | SEE P | LAN | | | | B-125A | SINGLE | 2 | 36 x 84 | WD | —— A | | нм | /- " | J2 | H2 | | _ | | | - |
| | POSÌ | EALED DOOR | | | |)N | | | | | | | | | | | B-126A | SINGLE | 2 | 36 x 84 | WD | A | <u> </u> | нм | 8 3/8" | J2 | H2 | —— НМ | 1 | | | <u> </u> |
| | AS S | CHEDULED IVISION 8 | | 16 FOR R EXIT CAPA ELECTRIC | EQUEST F BILITY OR LATCHBOL | FOR | | | | | ۱ - (و | | ONRY STUD | | | | B-127A | SINGLE | 2 | 36 x 84 | WD | —— A | | нм | 8 3/8" | J2 | H2 | —— HM | 1 | | | |
| | _ | | | SEE SCHE | | | | | | | N N | R 6" AT IINIMUM U IOTED OTH | NLESS IERWISE | | | | B-127B | BORROWED - LIGHT | | | | | A - | нм | 8 3/8" | SEE ELEV | SEE ELEV | SEE HMS ELEV | 3 | | | - |
| | | | | | | | | | | | L CON | NSTRUCTIO | N / | WALL CO | | N | B-128A | SINGLE | 2 | 36 x 84 | WD | A | - | нм | 8 3/8" | J2 | H2 | HM | | | | - |
| | | | | CARD ACC BOX AND CONDUIT E | 3Y | | | | ، د | | MININ ILESS HERW | IUM NOTED ISE [| | | | | B-130A | SINGLE | 2 | 36 x 84 | WD | —— A | | EXIST | | | | | | | | |
| | | | -0, WA | DIVISION 1 | | | | | |] [†] | | | | | - | | B-132A | SINGLE | 5 | 36 x 84 | AL | —— В | В | B _{AL} | 4 1/2" | J2 | H2 | SF | | YES | YES | 1,2 |
| | | | ي ب | | | | | | OR | " AT M 6" AT NIMUM | 45UNF STUE | .т) | ` 1C OF MI OT | D"AT MASO R 6"AT ST INIMUM UNL THERWISE N | NRY UD ESS OTED | | B-133A | SINGLE | 2 | 36 x 84 | WD | —— A | | нм | 8 3/8" | J2 | H2 | —— HM | ¹ | | | |
| | / | | | | | / | | | | ר ^ <i>• •</i> | | | | | | \frown | B-134A | SINGLE | 2 | 36 x 84 | WD | A | | нм | 8 3/8" | J2 | H2 | —— HM | 1 | | | |
| $\frac{\text{CTRICAL ROUGI}}{3/4" = 1'-0"}$ | | | | | | | 2 -601 | | | -XAM ale: N | | | ING | DETAIL | .0 | (1) (A-601 | B-135A | SINGLE | 2 | 36 x 84 | WD | A | | нм | 8 3/8" | J2 | H2 | —— НМ | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

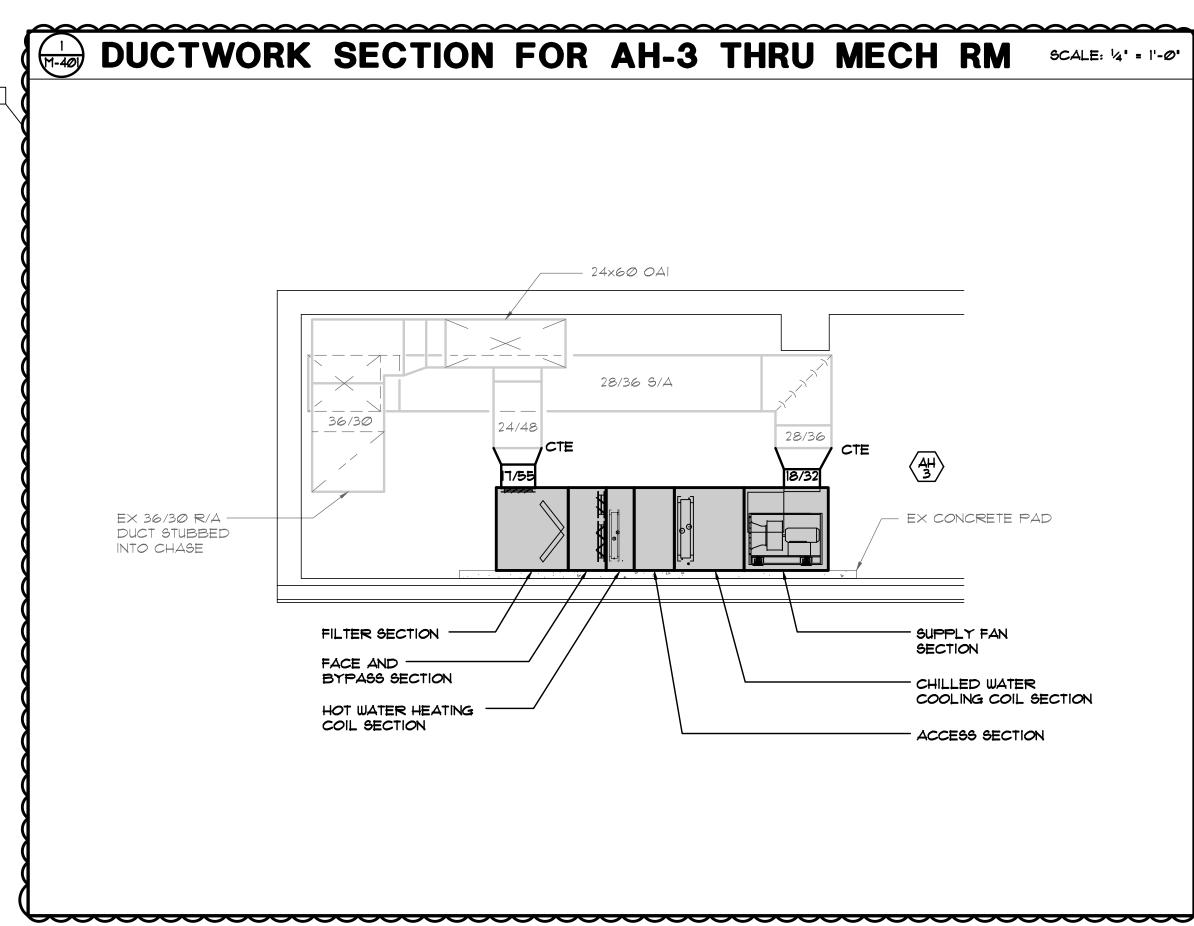


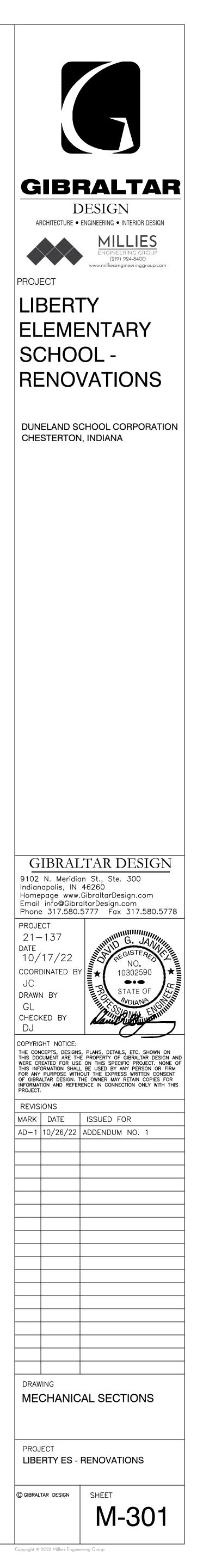


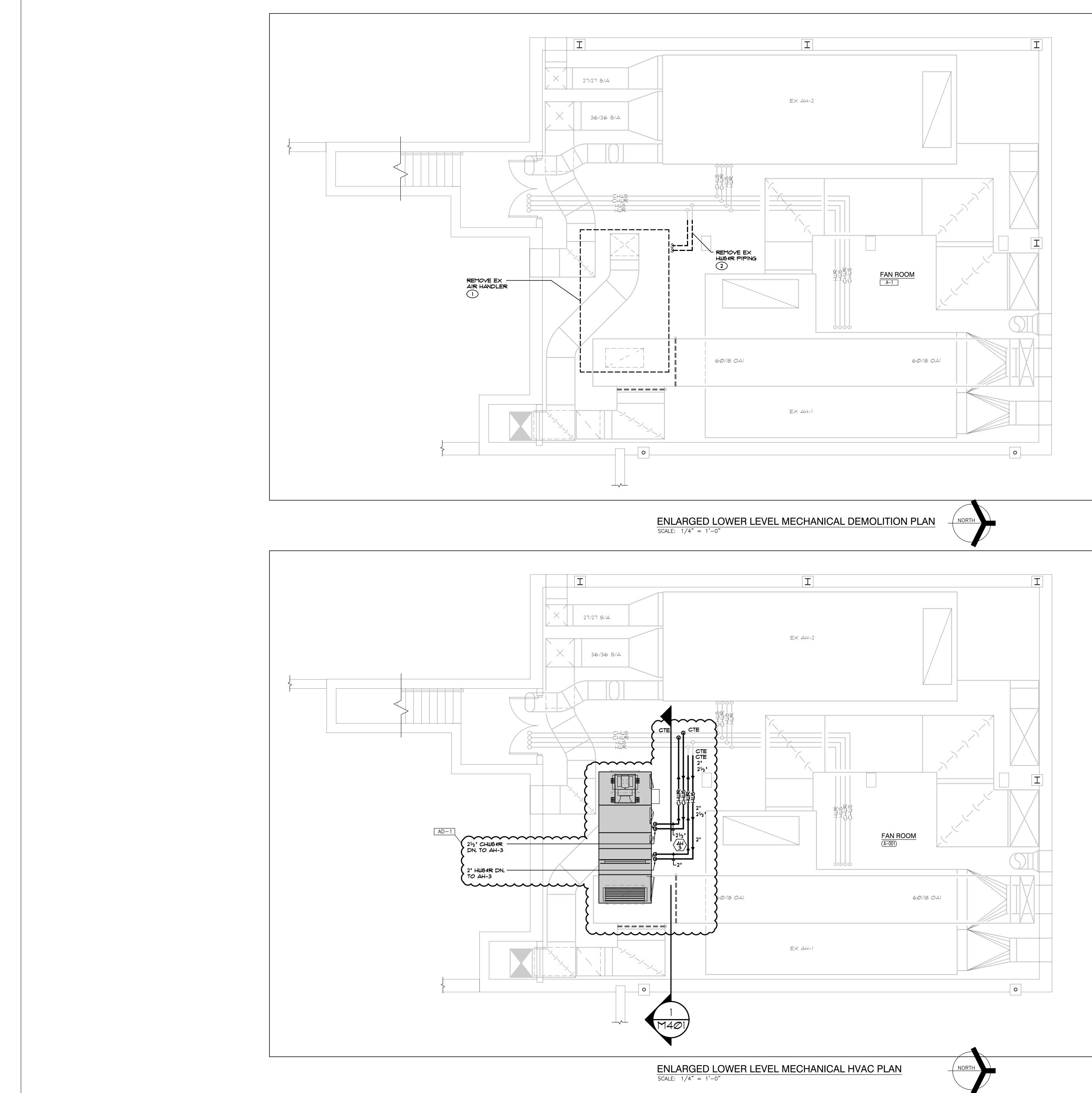


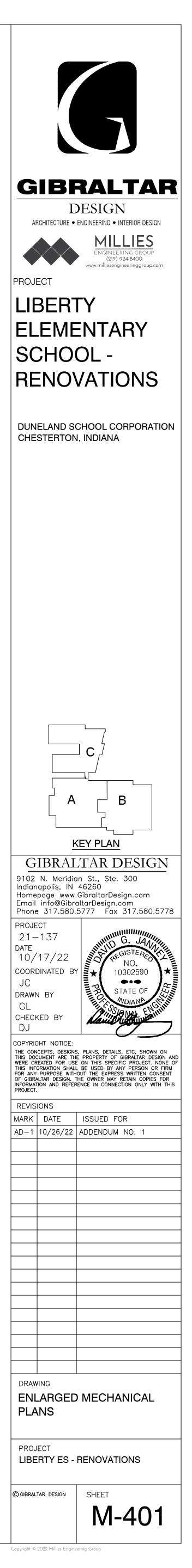


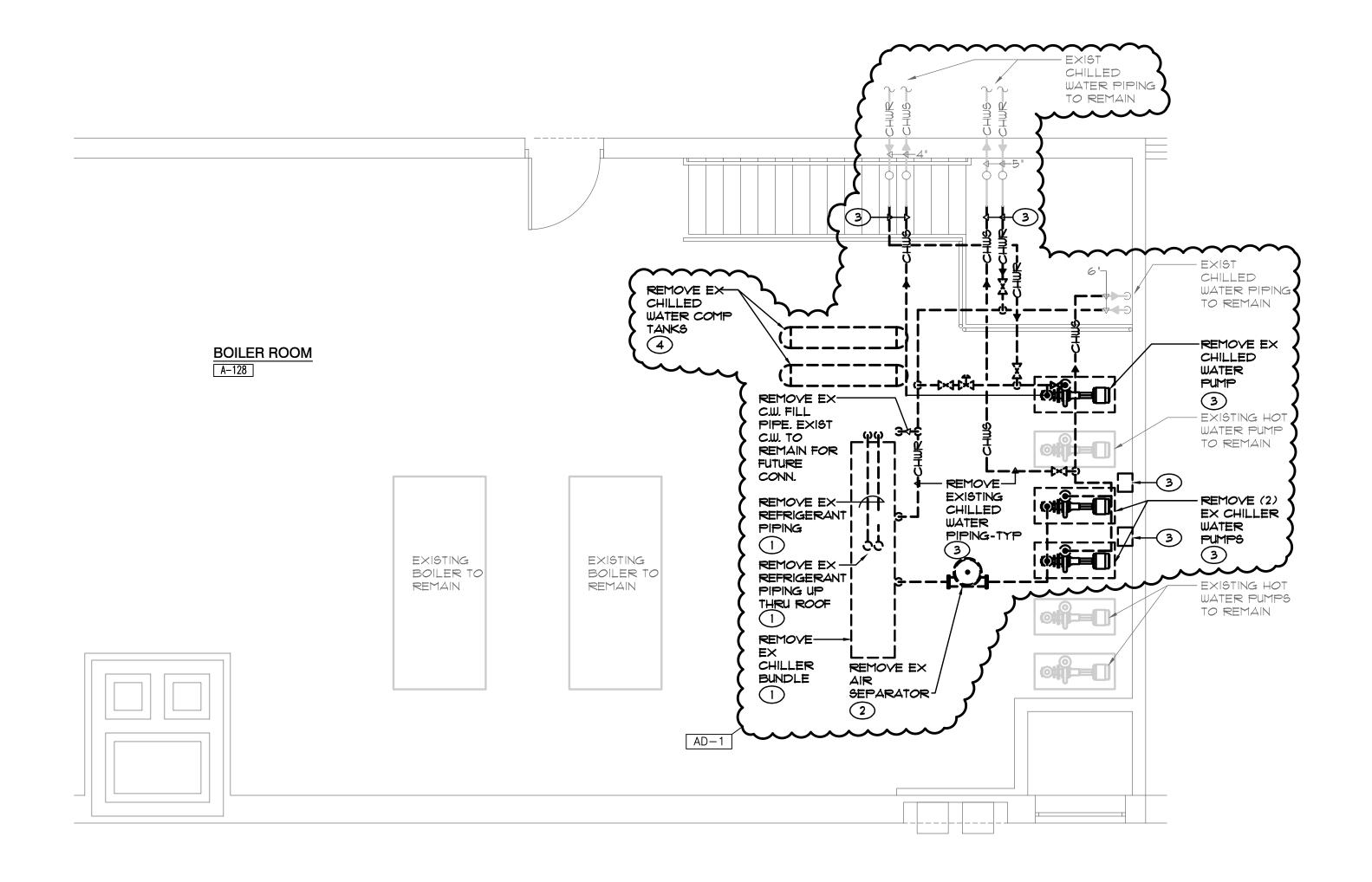




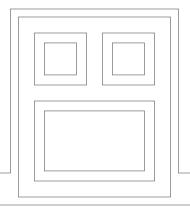


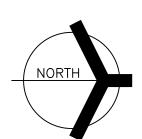


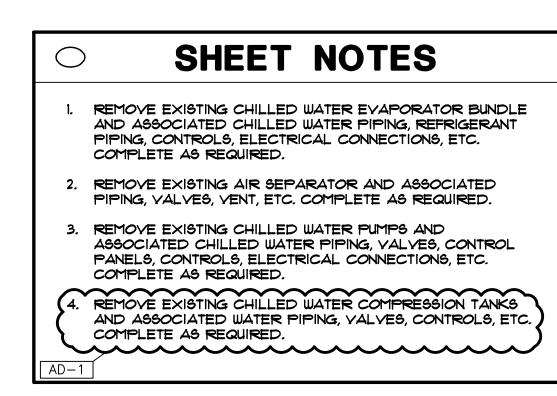


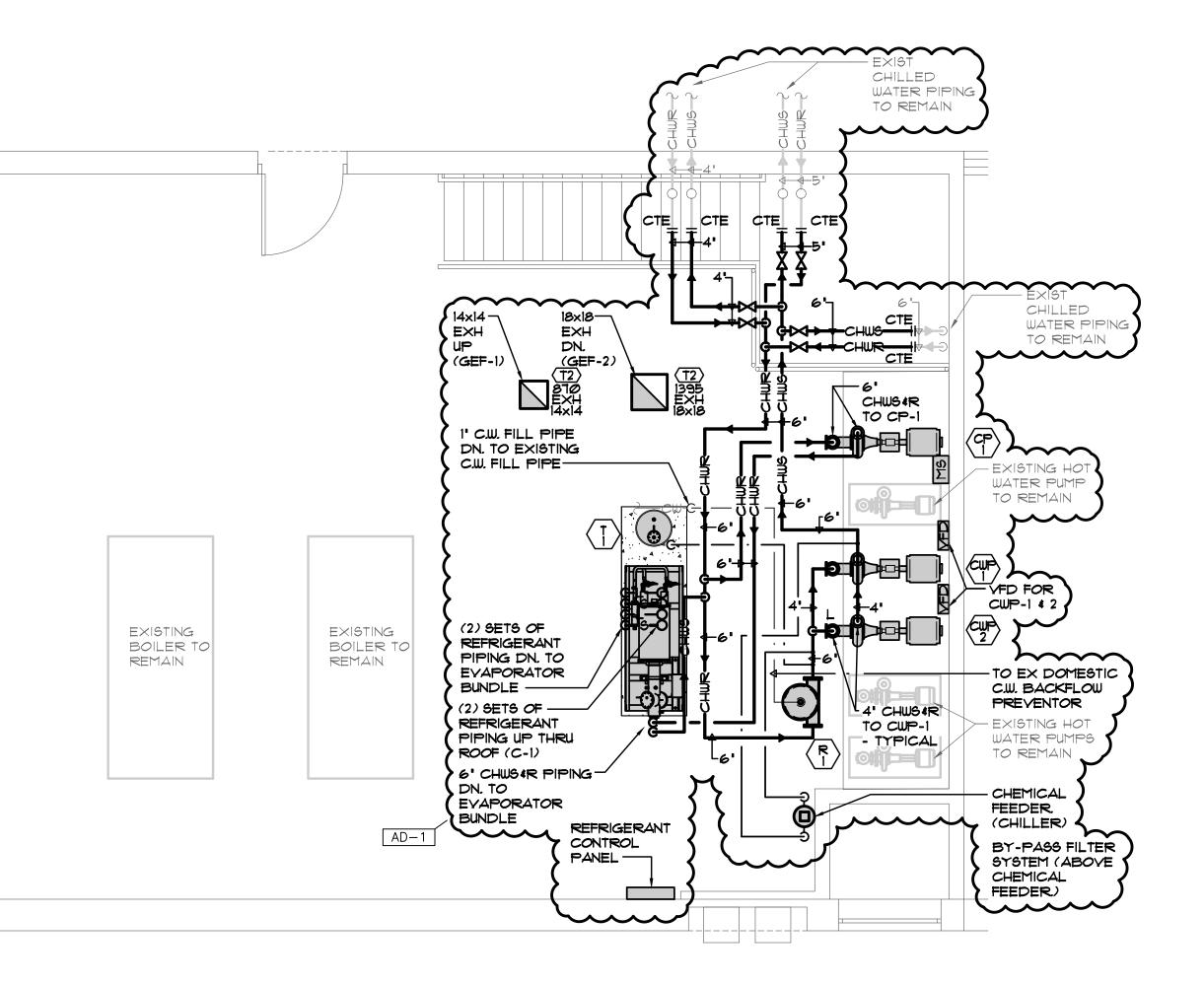


ENLARGED LOWER LEVEL MECHANICAL DEMOLITION PLAN SCALE: 1/4" = 1'-0" BOILER ROOM

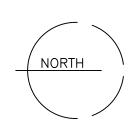








ENLARGED LOWER LEVEL MECHANICAL HVAC PLAN SCALE: 1/4" = 1'-0"

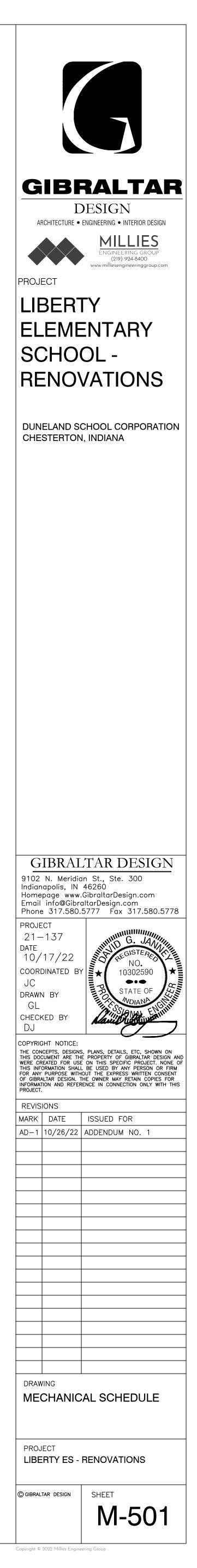


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| \bigcirc | | | | | | | | | | MEC | СН | ANIC | | EQUI | PME | NT S | SCH | EDU | LE | | | | | | | | | | | | | | | | | | |
|-------------|--|--|---|------------------------------------|------------------------|--|---------------------------|------------|-----------|-----------|---------|---------------|---------|-------------|----------|----------|---------|----------|-----------|--------------------|-------------|----------|-----------|-------------------|--------------------|----------|---------|-----------------|---|-----------|-----------|-------------|-------------|-----------|----------------|---------------------|-----------------------|
| TAG | MANU | FACTURER | | EL NUMBER | | DESCRIPTION | | | DTOR DAT | | | | | LING EQUIPI | MENT/COI | | | SAS FIRE | | | | ATER COC | DLING EQU | | | | | HEATING | EQUIPMEN | | LOAD | | ELEC | | TA STARTER: | UNITS CONTROLLED | EQUIP WEIGHT REMAR |
| | | | | | AD-1 | | | СЕМ Н | | TSP ESF | р внр | HP RPM | MBH SH | | | | TSTAGES | (IN) (OU | | | GESMBH SHC | | | | | | UT) GPM | EAT LA | | | | FLA AM | -910CFVOL | THASE HZ. | MC. EC. | BY | AD- |
| C-1 | T | TRANE | | AC5-215 | | ROOF MOUNTED AIR COOLED CHILLER WITH REMOTE IN | ITERIOR BUNDLE | - | | | - | | | - - | | | - | | - | | - 2375 - | 464 - | | - 54 | 44 20 | 95 | - - | | - | | - 438 | | 600 480 | 3 60 | × - | EX FMS | 10520 NOTE 1. |
| АН-3 | 1 | TRANE | c | CSAA Ø12 | | INTERIOR AIR HANDLING UNIT - CHILLED WATER COOLING / | HOT WATER HEATING | 5700 13 | 365 570 | - 1.6 | 6.4 | 7.5 2290 | | - - | | | - | | - | | - 251 160 | 50 78.4 | 67.2 53.0 | 52.7 44 | 54 15 | - 2 | 52 25.2 | 52.8 93. | 6 180 1 | 60 15 | - 14 | | 20 480 | 3 60 | × - | EX FMS | 2030 NOTE 2 |
| RT-1 | T | TRANE | | YZC-Ø4 | | ROOF MOUNTED GAS FIRED / DX COOLING ROOFT | OP UNIT-VAV | 1500 | 315 - | - 1.5 | Ø.9 | 1 1173 | 44.3 3 | 1.9 79.5 6 | 4.2 56.1 | 54.1 95 | MOD | 120 96 | 51.4 | 111 Mc | D | | | | | - | | | - | | - 9 | | 15 480 | 3 60 | × - | EX FMS | 1075 NOTE 3 |
| C-1/CU- | -1 7 | TRANE | TPKA | 024/TPU702 | 4 | WALL MTD AC UNIT / ROOF MOUNTED CONDENS | BING: UNIT | 775 | | | - | | 24 | | | - 95 | - | | - | | | | | | | - | | | - | | - 19 | | 26 208 | 1 60 | - × | WALL MTD TSTA | 55/175 NOTE 4 |
| GEF-1 | | UIN CITY | | RCD-95BE | ROOF M | 10UNTED GENERAL EXHAUST FAN- CONSTANT EXH REF EXH \$ | SYSTEM (BOILER ROOM A-128 | 3) 870 | | 03 - | - | 1/2 1141 | - | | | | | <u> </u> | <u></u> + | - | | | | | | <u>-</u> | | | | | 1/2 - | | - 120 | 1 60 | - × | CONTINUOUS | 125 NOTE 5 |
| GEF-2 | | UIN CITY | | | | F MOUNTED GENERAL EXHAUST FAN - REFRIGERANT EXH SYS | | 1395 | | Ø3 - | - | 1 813 | | | | | - | | - | | | | | | | - | | | - | | 1 - | | - 12Ø | 1 60 | | REF CONT'L PANE | |
| • • | VIDE U VIBRA SOUND CHILLE WIRE/F | ATION ISOL D ATTENUA ER BUNDL FACTORY I | ATION K LE ELEC INSTAL | <it CTRIC HEAT .LED</it | IER | NOTE 4: PROVIDE AC UNIT WITH: • THERMOSTAT/CONTROL PANEL • CONDENSATE PUMP • VIBRATION ISOLATION HANGERS PROVIDE CUMUTU | REFER TO SPECIFIC | | | | | | | _ININ | G S | CHE | DUL | .E | | TAG | MANUFAC | | MODE | | | - | | | R & | DIF | | | SCHE | TYPE OF | | KS | |
| • | SHORT | | RATING | I BREAKER G: 65 KAIC IER | | PROVIDE CU WITH: • LOW AMBIENT CONTROLS TO -10°F • WIND BAFFLES | | | | | | | | | ON TYPE | E | | | 1 | А3 | NAIL | | 650 | | DIFFUSE | EILING | | S-WAY | 2' | | -IN PANEL | | DEE _ANS | O.B.D. | - | | |
| • | WIRED | LAGE LCD LOUVERE QUIET FAI | ED PAN | KEYPAD DI Nels | SPLAY | HAIL GUARDS EQUIPMENT SUPPORT RAILS SEE SPECIFICATIONS FOR ADDITIONAL | DUCT | WORK TY | /PE | | | CONCE | | | | EXPO | SED | | | Д4 | NAIL | .OR | 650 | ø-0 ⁸ | DIFFUSE | EILING | | 1-WAY | 2' | X 2' LAY- | -IN PANEL | £ | DEE LANS | O.B.D. | - | | |
| SEE | | FICATIONS | | additi <i>o</i> nal | - | REQUIREMENTS. | SUPPLY AIR | DUCTWOF | RK | | | | | | | | | | 1 | A 9 | NAIL | .OR | 650 | ø-0 ^{\$} | DIFFUSE | | | 1-WAY | 2' | × 1' LAY- | IN PANEL | Pl | DEE _ANS | O.B.D. | - | | |
| NOTE PRO | E 2: VIDE II | UITH: | | | | NOTE 5: PROVIDE WITH: • PROVIDE WITH DISCONNECT SWITCH | RECTANG | ular | | | | 1½" LIN | ER | | | 1½⁼ Lľ | NER | | | RI | NAIL | .OR | 6145 | H-0 F | ETURN/EX REGIST | | | UVERED RILLE | | LAY-IN F | PANEL | Pl | DEE LANS | O.B.D. | - | | |
| | COMPO | ONENT SEC | CTIONS | FOR AIR HA 3 400ITIONAL | | IT (ECM MOTOR WITH POTENTIOMETER SPEED) CONTROLLER MOTORIZED DAMPER | ROUND | | | | | 11/2" WRAP, 1 | NOTE 1. | | PERF | | ouble w | JALL | | | NAIL | | 614 | | TURN/EXHA GRILL | E | | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | LAT-IN F | | Pl Pl | DEE _ANS | - | - | | |
| | UIREME | | | | - | BIRD SCREEN ROOF CURB | RETURN AIR | DUCTWO | RK | | | | | | | | | | | T2 | NAIL | .OR | 614 | | TURN/EXH GRILL | E | | IVERED RILLE | | | FACE MTE | <u>ר או</u> | _ANG | - | } - | | |
| | VIDE IL | | | | | (SEE SPECIFICATIONS FOR ADDITIONAL | RECTANG | ular | | | | 1½" LIN | ER | | | 1½" LI | NER | | AD | <u>ALL/ DI</u> | FFUSERS AND | REGISTER | s shall f | A∨E A WHI | TE FINISH L | INLESS C | THERWIS | E NOTED | | | | | | | | | |
| | ENTHA | LPY SENS | SORS | IZER WITH D | | | ROUND | | | | PER | FORATED D | OUBLE U | JALL | PERF | ORATED I | ouble w | JALL | | | | | | | | | | | | | | | | | | | |
| • | LOW LI DIGITA | EAK ECON Al Scroli | NOMIZE .L (LEA | ER DAMPER Ad Only) O | 2, | | TRANSFER A | IR DUCTV | WORK | | | ½" LIN | IR | | | ½" LIì | NER | | | | | | | | | | | | | | | | | | | | |
| • | S/A 4 | | DIREC | 19 CT DRIVE F4 ECT SWITCH | ANS W/VFD, | | VAV & FAN-P | POWERED | BOXES | ; | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • | SHORT | t circuit E 4 Brown | RATING | G 35 K PROTECTIO | N | | | llar | | | | 1½" WR | ٩P | | | 1½∎ W | RAP | | | | | | | | | | | | | | | | | | | | |
| • | VIBRA | | LATION | 1RS CURB w/ H CAL TREATI | | | | RREHEAT | COIL | | | 1½" WR | 4P | | | 1½ª" ₩ | RAP | | | | | | | | | | | | | | | | | | | | |
| • | POWER | RED EXHA BURIZATION | aust F4 N <i>Co</i> nt | AN W/BLDG TROL, | | | EXHAUST DU | CTWORK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| • | | LATING GA | | AT EXCHANG IGH TURNDO | | | | -0" OF EXH | | | | ½" LIN | | | | ½" Llì | NER | | ł | | | | | | | | | | | | | | | | | | |
| • • • • | FLUE D METAL CONDE CONTR VAV H HAIL C FILTER | DEFLECTO MESHOU ENSER FAI ROL & SITE HEATING & CONDENSE RS: 4" MER | UTSIDE N W/VFI E GLAS COOLI ER COI RV 13 4 | | PRESSURE PROTECTION | N | NOTE 1: ROUND DUCT | SUPPLYING | 3 ONE DIF | fuser ani | id Mori | e than 30'- | Ø'FROM | 1 UNIT | | | | | | | | | | | | | | | | | | | | | | | |

PUMP SCHEDULE

| | | | | | | | PUMP I | MOTOR | DATA | | | | SUCTION/ | |
|-------|----------------|------------------|--|-----|-------|-------|--------|-------|-------|-----|------|-----|-----------|--|
| TAG | MANUFACTURER | MODEL NUMBER | DESCRIPTION | GPM | HEAD | НР | RPM | VOLT | PHASE | HZ. | STAR | | DISCHARGE | REMARKS |
| | | | | | (FT.) | | | | | | MC. | EC. | SIZE | |
| CP-1 | BELL & GOSSETT | SERIES 1510: 44D | BASE MOUNTED CHILLED WATER RECICULATION PUMP (C-1) | 464 | 35 | 1 1/2 | 1750 | 480 | 3 | 60 | × | - | 5' / 4' | - |
| CWP-1 | BELL & GOSSETT | SERIES 1510: 2EB | BASE MOUNTED CHILLED WATER DISTRIBUTION PUMP | 232 | 80 | 10 | 1750 | 480 | з | 60 | × | - | 3' / 2' | CHILLED WATER PRIMARY PUMPS W/VFD OPERATING IN PARALLEL, 464 GPM AT |
| CWP-2 | BELL & GOSSETT | SERIES 1510: 2EB | BASE MOUNTED CHILLED WATER DISTRIBUTION PUMP | 232 | 80 | 10 | 1750 | 480 | 3 | 60 | × | - | 3' / 2' | 80 FT. HD. WITH DUAL POWER FEEDERS |



| | | | | | PLUMBI | 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 6065161002 | 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 6065161002 | 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 6064013.002 | 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 H2167CCLK SUPPLIES, LAVATORY CHAIR CARRIER EQUIVILENT TO ZURN Z1231E; |
| FD-1 | FLOOR DRAIN | CAST IRON BODY, ADJUSTABLE 6'x6' NICKEL BRONZE TOP | ZURN Z4158 | NOTE 3 | • | - | - | VANDALPROOF SCREWS |
| S-1 | SINK | 1-COMPARTMENT STAINLESS STEEL SINK, 22'x19-1/2'x5' | ELKAY LRADQ 221950 | NOTE 4 | TWO HANDLE, 4" GOOSENECK, 15 GPM | ELKAY LK406GN04T4 | NOTE 5 | ELKAY 135 STRAINER, MCGUIRE 18-8912-CSDF P-TRAP, MCGUIRE 142167CCLK SUPPLIES |
| S-2 | SINK | 1-COMPARTMENT STAINLESS STEEL SINK, 15'X17-1/2'X5' | ELKAY LRADI57050 | NOTE 4 | TWO HANDLE, 4" GOOSENECK, 15 GPM | ELKAY LK406GN04T4 | NOTE 5 | ELKAY 135 STRAINER, MCGUIRE 18-8912-CSDF P-TRAP, MCGUIRE 142167CCLK SUPPLIES |
| S-3 | SINK | TWO COMPARTMENT STAINLESS STEEL SINK, 29'XI8'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 |
| TW-1 | TEMPERED WATER VALVE | TEMPERED WATER VALVE | BRADLEY 1859-4000A | NOTE 6 | • | - | - | VALVE RATED AT 2 GPM • 5 PSI PRESSURE DROP (MIN. FLOW @2 GPM) |
| MB-1 | | 24x24x10 HIGH DENSITY COMPOSITE MOP BASIN | ZURN Z1996-24 | NOTE 1 | WALL MOUNTED SERVICE FAUCET | ZUEN ZB43M4 | NOTE 8 | WY 3/4' HOSE THREAD, VACUUM BREAKER WALL BRACE |
| RD-1 | ROOF DRAIN | CAST IRON BODY, GRAVEL STOP, LARGE SUMP | ZURN ZIOO-NH-DP-EA | NOTE 3 | • | - | - | • |
| OFRD-1 | OVERFLOW ROOF DRAIN | CAST IRON BODY, GRAVEL STOP, LARGE SUMP | ZURN ZIOO-NH-DP-EA-W4 | NOTE 3 | - | - | - | - |
| | | | | | | | | |
| NOTE 1: 4 | AMERICAN STANDARD, KOHLE | IR, ZUIRN, SLOAN, TOTO | | NOTE 5: ELKAY, Z | URN, DELTA, SLOAN, CHICAGO FAUCET CO., AMI | ERICAN STANDARD, KOHLER | | |
| 10te 1: 2 | WRN, DELTA, SLOAN, CHICAGO | D FAUCET CO., AMERICAN STANDARD, KOHLER | | NOTE 6: LEONARI | D, POWERS, LAWLER, BRADLEY, SYMMONS | | | |
| 10te 3: 3 | ZURN, JOSAM, J.R. SMITH, MIFA | B, WADE, WATTS | | NOTE 7: ZURN, FIA | T, MUSTEE, SWAN, ACORN | | | |
| OTE 4: | ELKAY, JUST, KOHLER | | | | LTA, T49 BRASS, CHICAGO FAUCET CO. | | | |

| | | | PLUMBING EQ | UIPMENT | SCHEDULE | | | | | | | | |
|-------|-----------------------|--|----------------------------|------------|---|----|-----|-----|------|------|------|----|-----|
| TAG: | FIXTURE/EQUIPMENT | FIXTURE/EQUIPMENT | FIXTURE/EQUIPMENT | ACCEPTABLE | ACCESSORIES/REMARKS | | | E | | | A | | |
| NO. | TYPE | DESCRIPTION | MANUFACTURER AND MODEL NO. | MANUF. | (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION) | ΗP | MCA | FLA | AMPS | MOCP | VOLT | PH | ΗΖ. |
| EWC-1 | ELECTRIC WATER COOLER | ELECTRIC WALL MOUNTED, W/BOTTLE FILLER | ELKAY LZSBUSLP | NOTE X | - | - | _ | 5 | - | - | 12Ø | 1 | 60 |
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NOTE 1: ELKAY, OASIS, HAWS, SUNROC

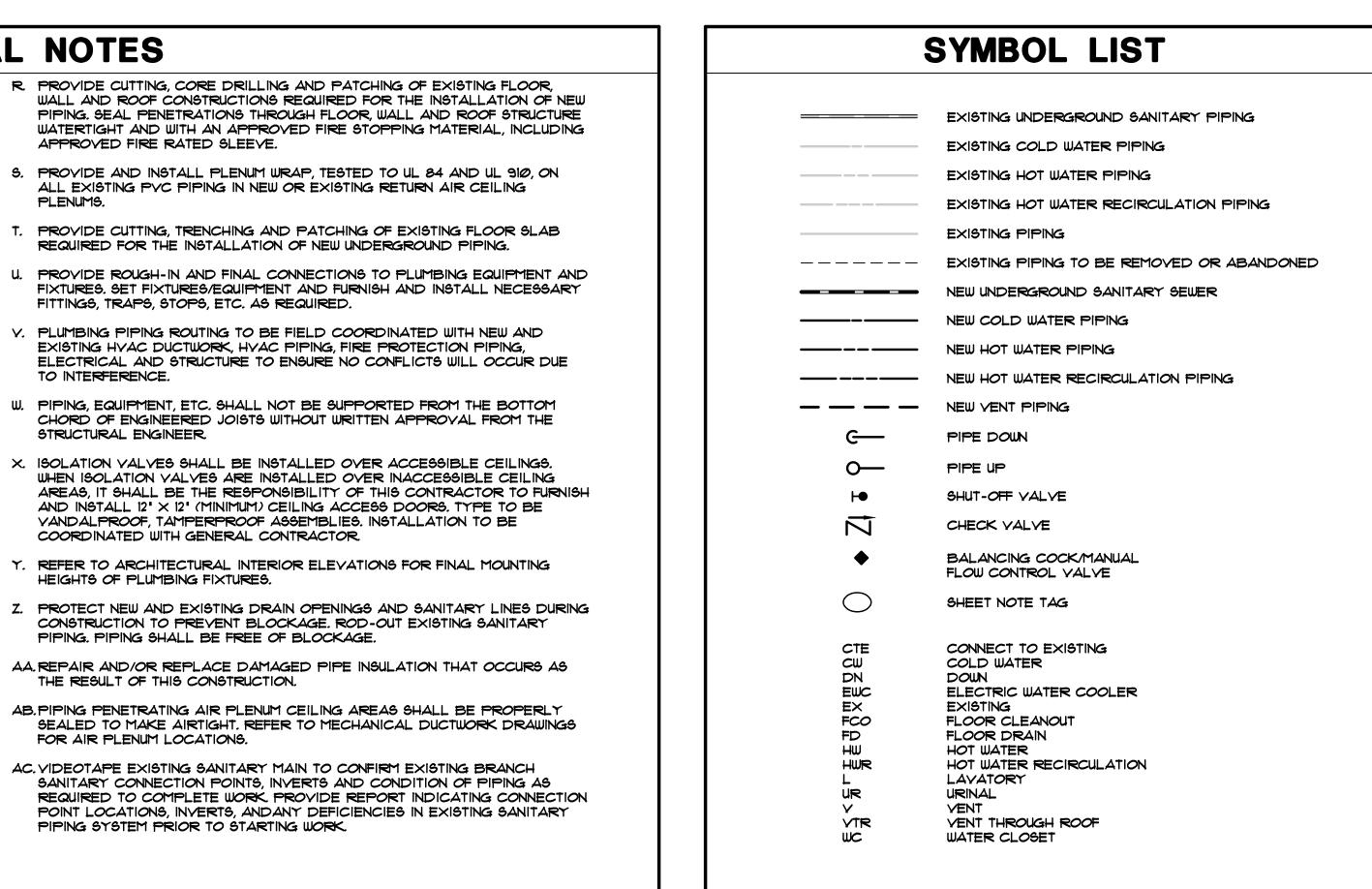
GENERAL NOTES

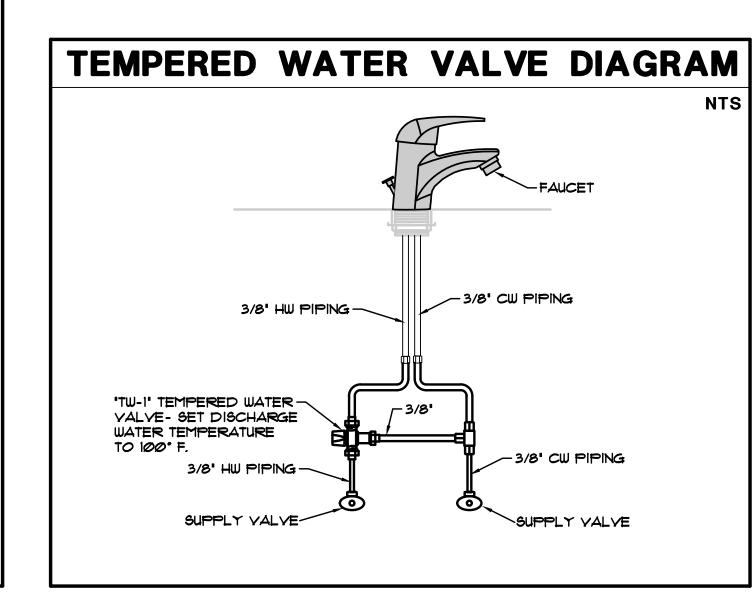
- APPROVED FIRE RATED SLEEVE.
- PLENUMS.
- FITTINGS, TRAPS, STOPS, ETC. AS REQUIRED.
- TO INTERFERENCE.
- STRUCTURAL ENGINEER.
- COORDINATED WITH GENERAL CONTRACTOR
- HEIGHTS OF PLUMBING FIXTURES.
- PIPING. PIPING SHALL BE FREE OF BLOCKAGE.
- THE RESULT OF THIS CONSTRUCTION.
- FOR AIR PLENUM LOCATIONS.

CODES. 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

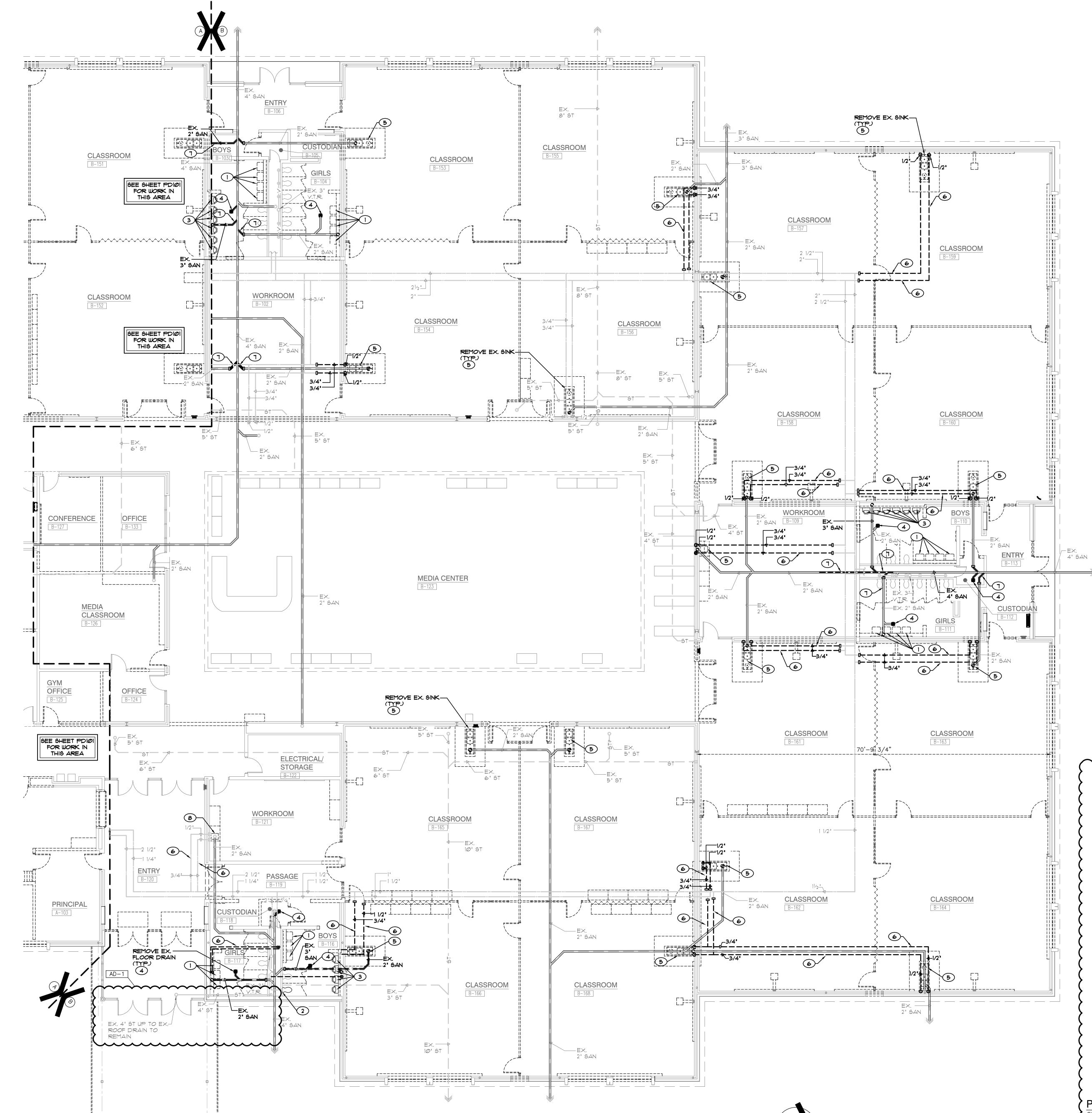
A. WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, AND STATE PLUMBING

- CLARIFICATION. THE ARCHITECT/ENGINEER'S DECISION SHALL BE FINAL 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 SYSTEMS.
- 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. VERIFY 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 EXISTING.
- . 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. REMOVE 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 RENOVATED.
- 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 ABANDONED, ETC.
- M. 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 AREAS.
- Q. REMOVE EXISTING CEILINGS REQUIRED FOR INSTALLATION OF NEW WORK. REINSTALL CEILING UPON COMPLETION OF WORK. REPLACE DAMAGED CEILING MATERIALS TO MATCH EXISTING.

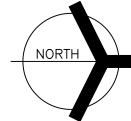


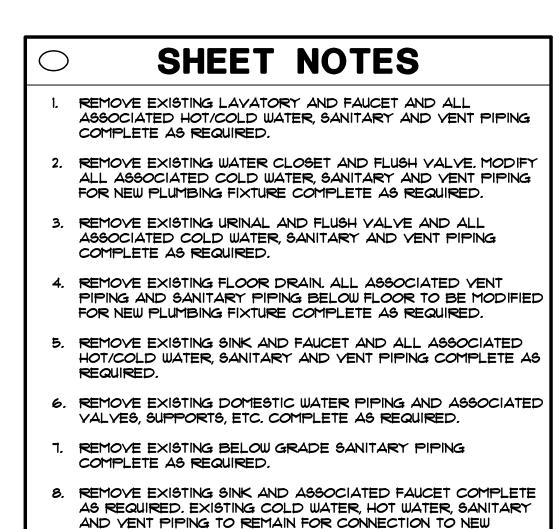


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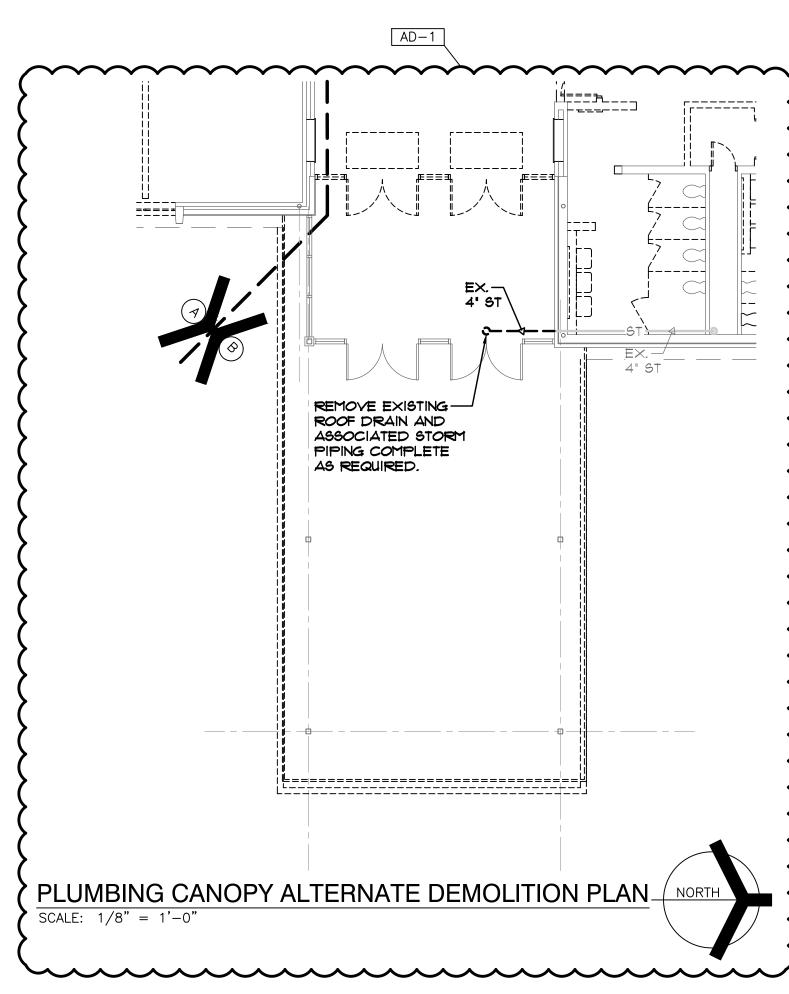


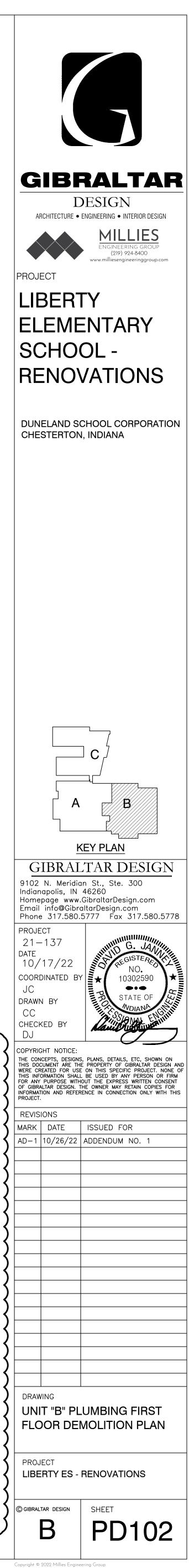


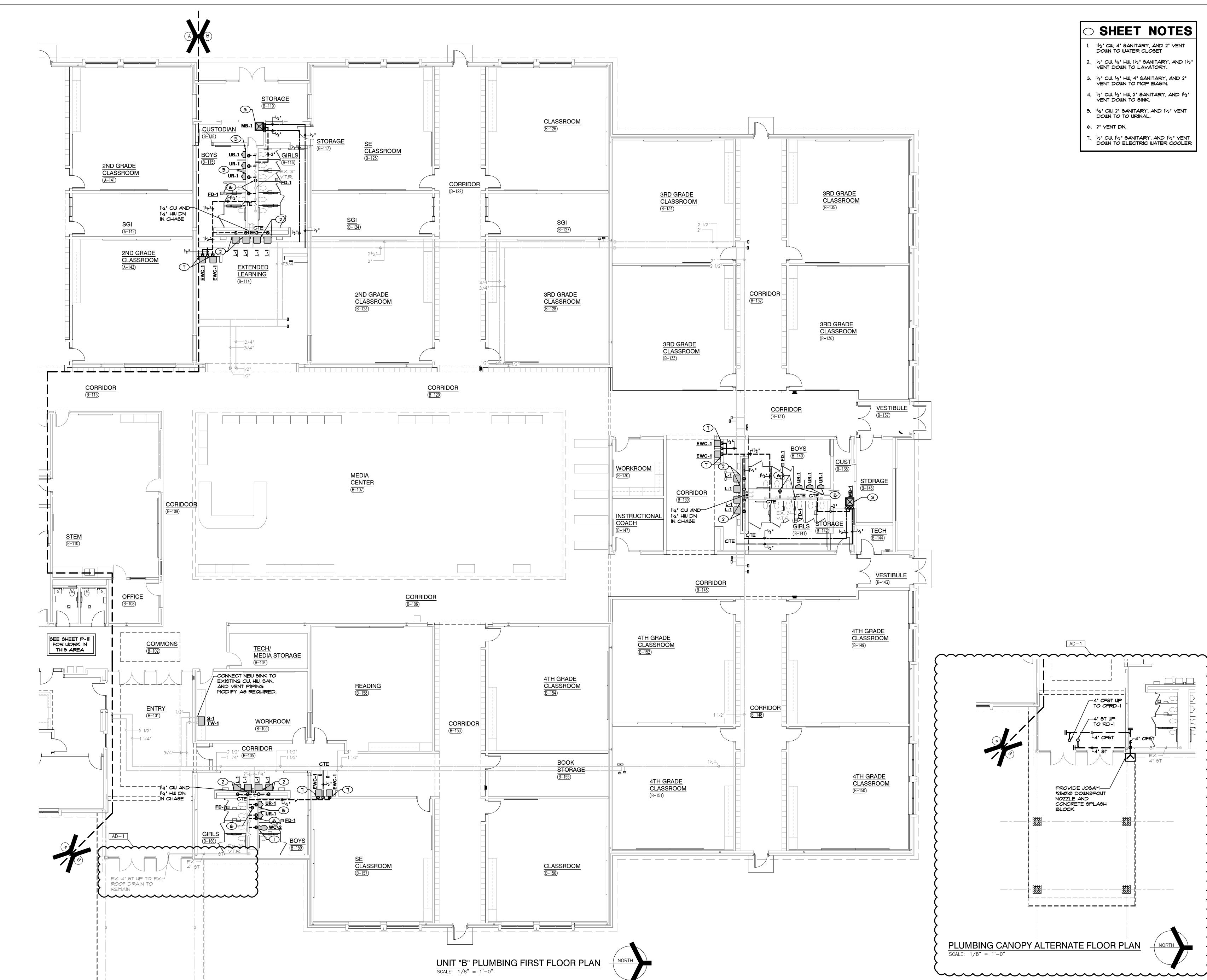


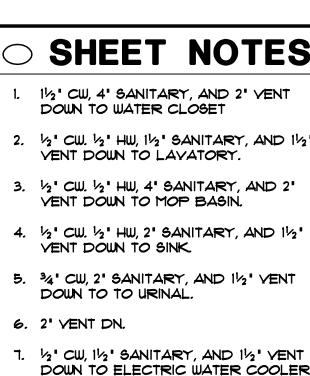


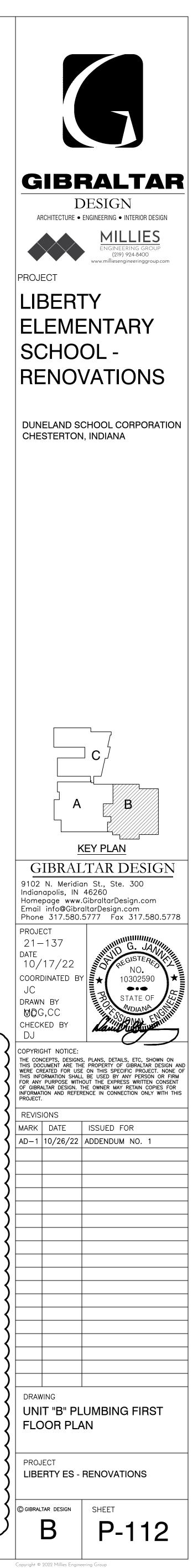
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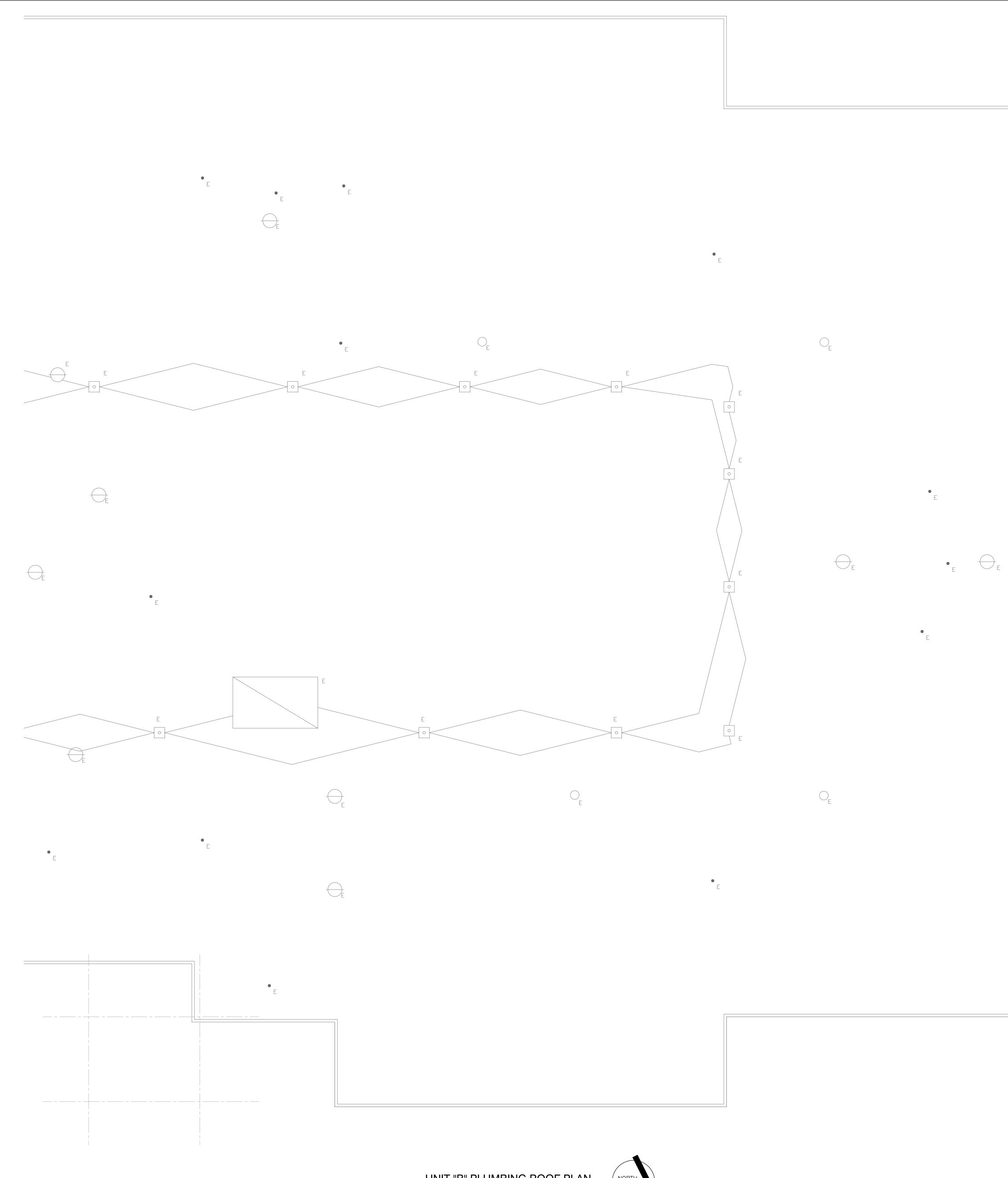


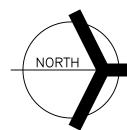




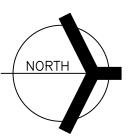


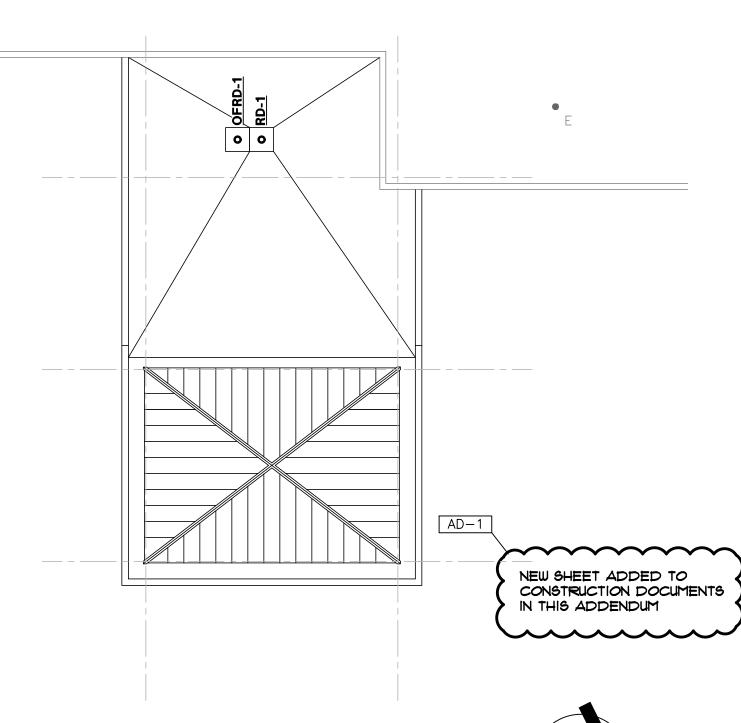


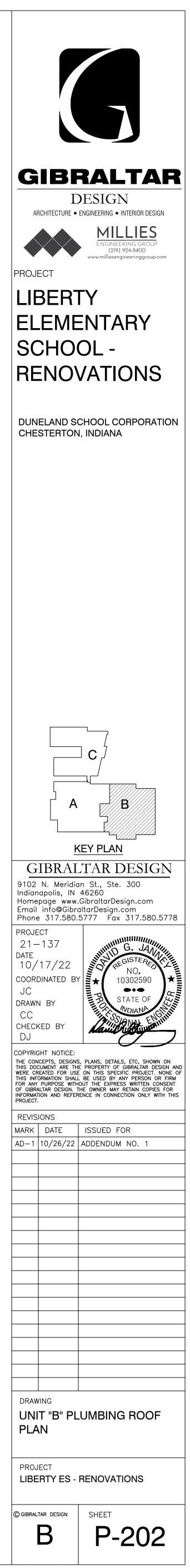




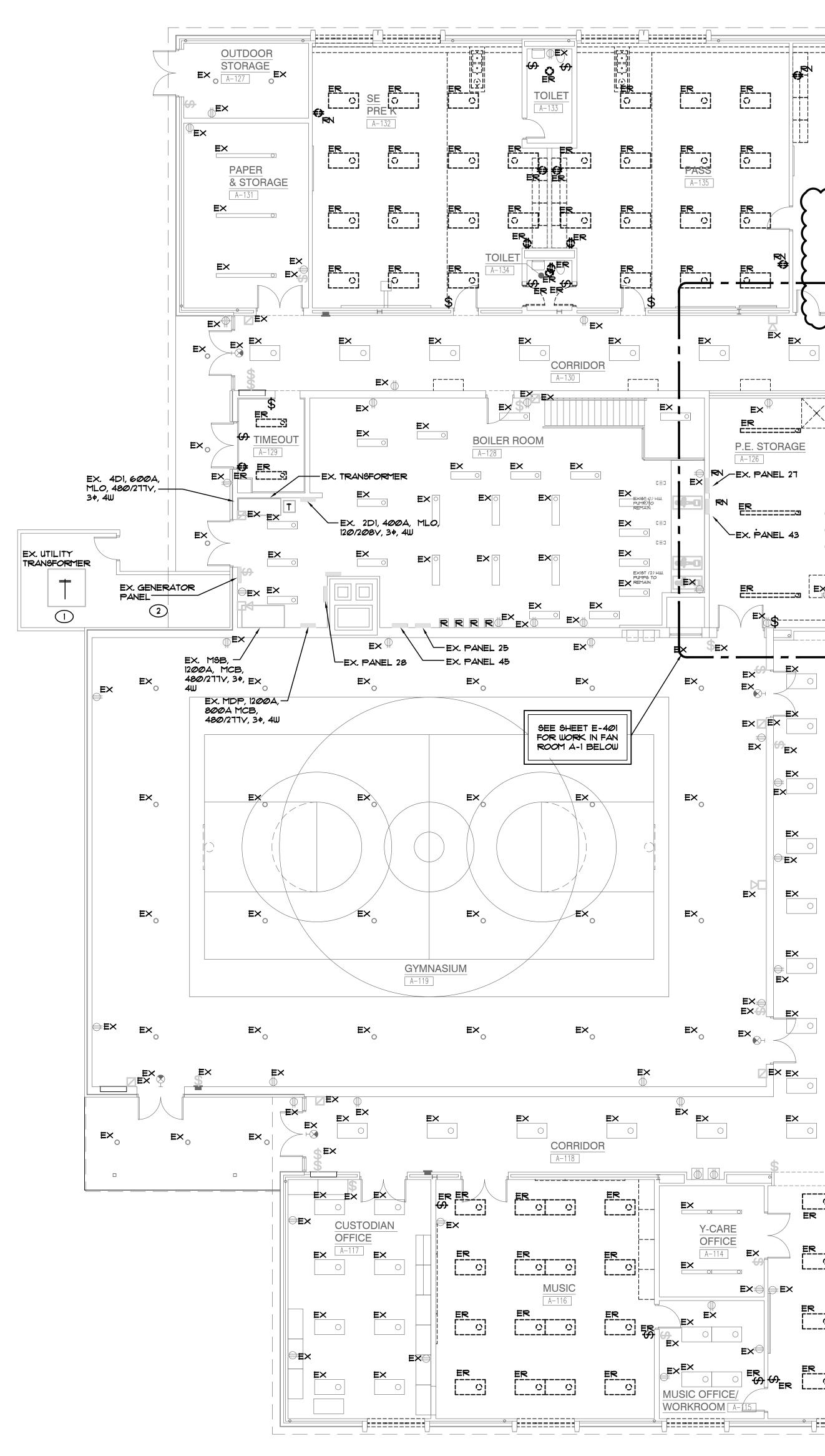








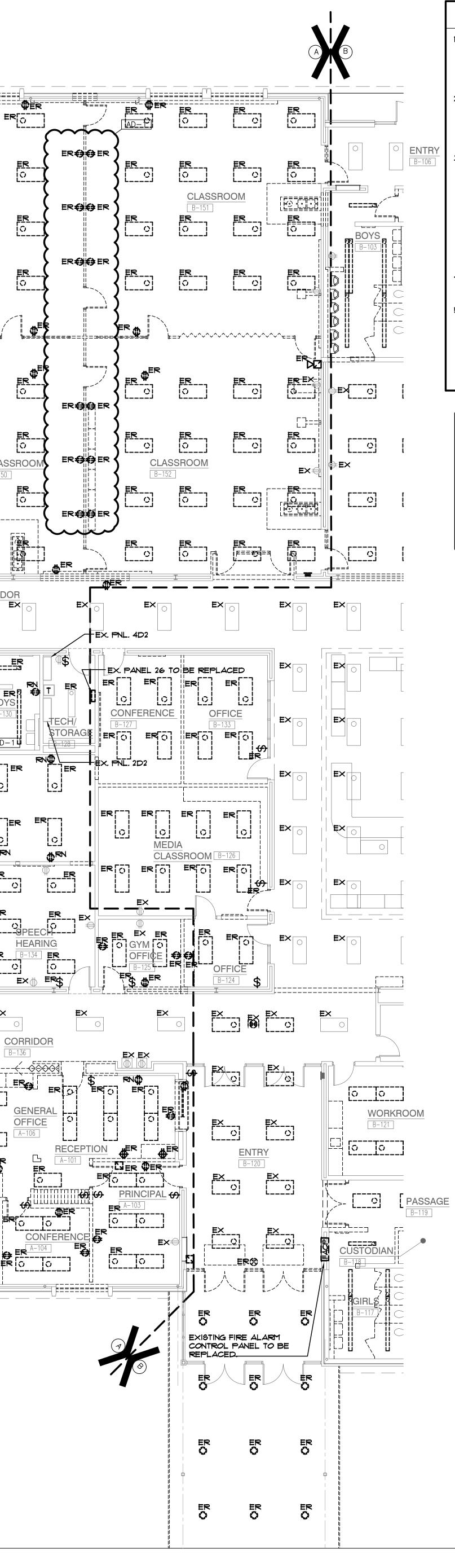
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UNIT "A" ELECTRICAL FIRST FLOOR DEMOLITION PLAN SCALE: 1/8" = 1'-0"



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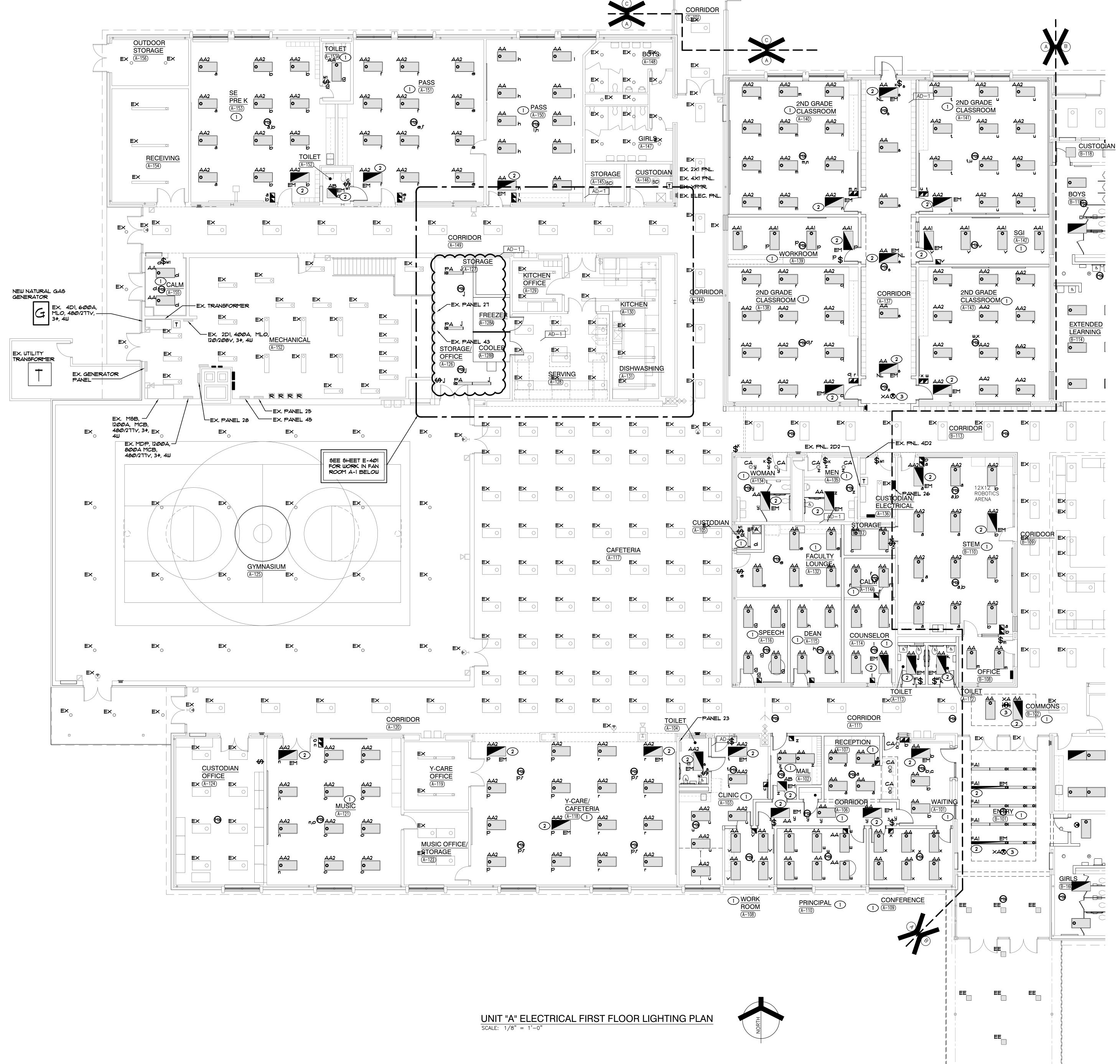


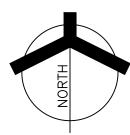
GENERAL NOTES

- THE DEVICES SHOWN ON THE DRAWINGS HAVE BEEN LOCATED AS A SERVICE TO THE CONTRACTOR AND MAY NOT INDICATE THE COMPLETE SCOPE OF DEMOLITION WORK. CONTRACTOR SHALL FIELD VERIFY ALL DEVICES AND VERIFY THE COMPLETE SCOPE OF DEMOLITION WORK WITH ARCHITECT.
- 2. DISCONNECT AND REMOVE EXISTING LIGHTING: (LABELED AND SHOWN AS 'ER') AND RELATED CIRCUITRY BACK TO NEAREST JUNCTION BOX, COMPLETE AS REQUIRED. RETAIN ALL ASSOCIATED WIRING, CONDUIT, ETC. FOR USE WITH NEW LIGHTING AND CONTROLS.
- 3. CONTRACTOR SHALL CAREFULLY VERIFY EXISTING CONDUITS, BOXES, DEVICES, EQUIPMENT, LOW VOLTAGE DEVICES, ETC. LOCATED ON THE CEILING AND ON THE WALLS IN WHICH ARCHITECTURAL MODIFICATIONS, STRUCTURAL MODIFICATION OR NEW CEILINGS WILL BE LOCATED. CONTRACTOR SHALL REMOVE AND RELOCATE ALL CEILING AND WALL MOUNTED DEVICES AS REQUIRED TO ELIMINATE CONFLICTS BETWEEN EXISTING DEVICES AND ARCHITECTURAL/STRUCTURAL MODIFICATIONS. PROVIDE NEW SURFACE RACEWAY AND SURFACE RACEWAY BACKBOXES AS REQUIRED FOR ALL RELOCATED DEVICES, COMPLETE AS REQUIRED.
- 4. ALL LIGHT SWITCHES, SENSORS AND CONTROL DEVICES THAT BECOME ABANDONED AS PART OF THE WORK SHALL BE REMOVED.
- 5. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS OF MECHANICAL AND PLUMBING EQUIPMENT THAT ARE REMOVED AS PART OF THIS WORK OR HAS BEEN PREVIOUSLY REMOVED BY OTHERS. ALL ABANDONED ELECTRICAL CONNECTIONS, WIRING, ACCESSIBLE CONDUIT, ETC. ARE TO BE REMOVED BACK TO SOURCE PANEL, COMPLETE AS REQUIRED.

- 1. EXISTING CUSTOMER OWNED UTILITY TRANSFORMER TO BE REPLACED WITH NEW UTILITY OWNED EQUIPMENT. REFER TO RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- 2. EXISTING INCOMING GENERATOR FEED FROM ADJACENT INTERMEDIATE SCHOOL TO BE DISCONNECTED AND REMOVED. REFER TO RISER DIAGRAM FOR ADDITIONAL INFORMATION.

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| DRAWING UNIT "A" ELECTRICAL FIRST FLOOR DEMOLITION PLAN |
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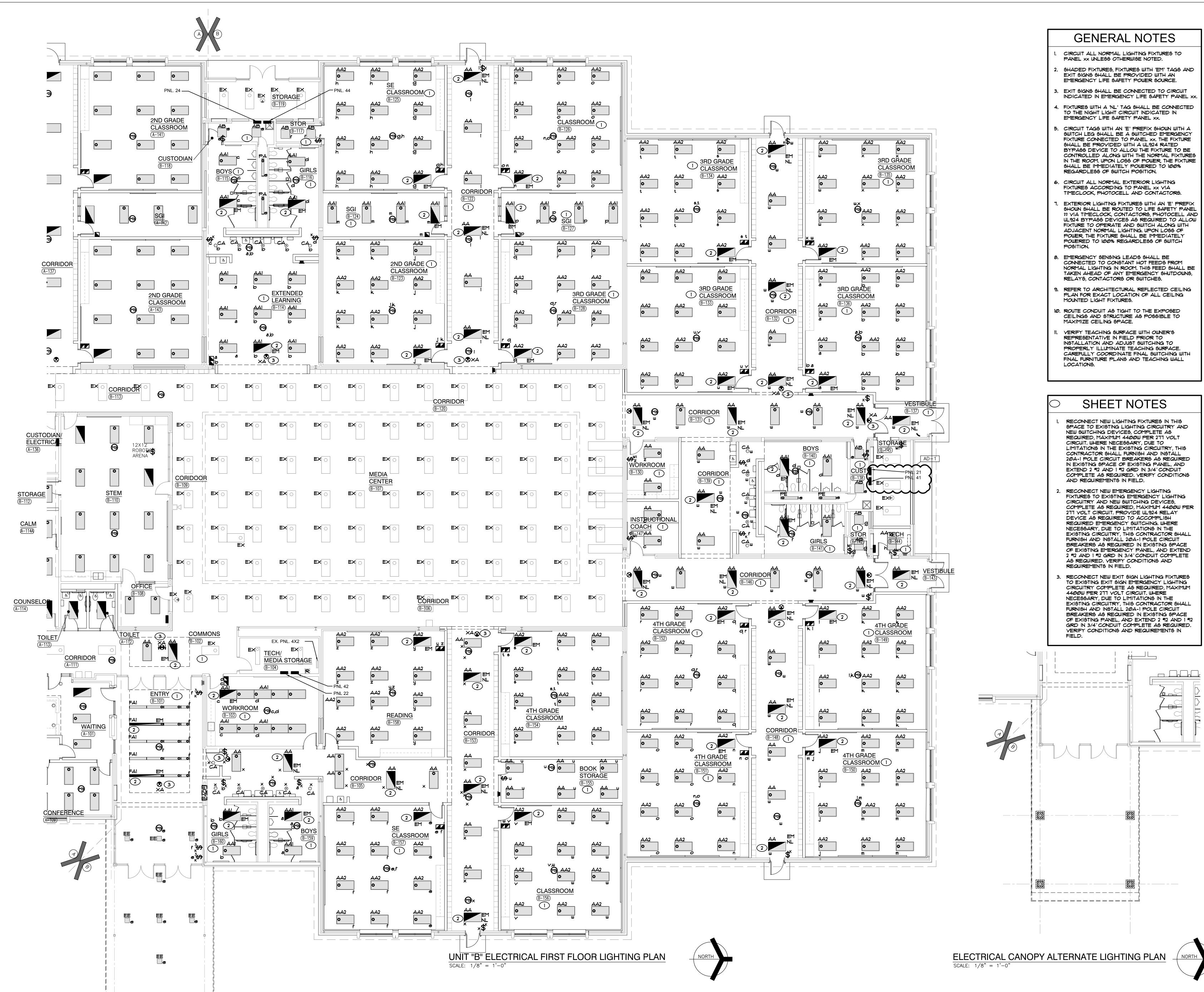


GENERAL NOTES

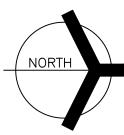
- CIRCUIT ALL NORMAL LIGHTING FIXTURES TO PANEL XX UNLESS OTHERWISE NOTED.
- SHADED FIXTURES, FIXTURES WITH 'EM' TAGS AND EXIT SIGNS SHALL BE PROVIDED WITH AN EMERGENCY LIFE SAFETY POWER SOURCE.
- 3. EXIT SIGNS SHALL BE CONNECTED TO CIRCUIT INDICATED IN EMERGENCY LIFE SAFETY PANEL XX
- 4. FIXTURES WITH A 'NL' TAG SHALL BE CONNECTED TO THE NIGHT LIGHT CIRCUIT INDICATED IN EMERGENCY LIFE SAFETY PANEL XX.
- 5. 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.
- 8. 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.

- RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED, MAXIMUM 4400W PER 277 VOLT 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. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
- RECONNECT NEW EMERGENCY LIGHTING FIXTURES TO EXISTING EMERGENCY LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED, MAXIMUM 440000 PER 211 VOLT 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 211 VOLT 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 #2 AND 1 #2 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN

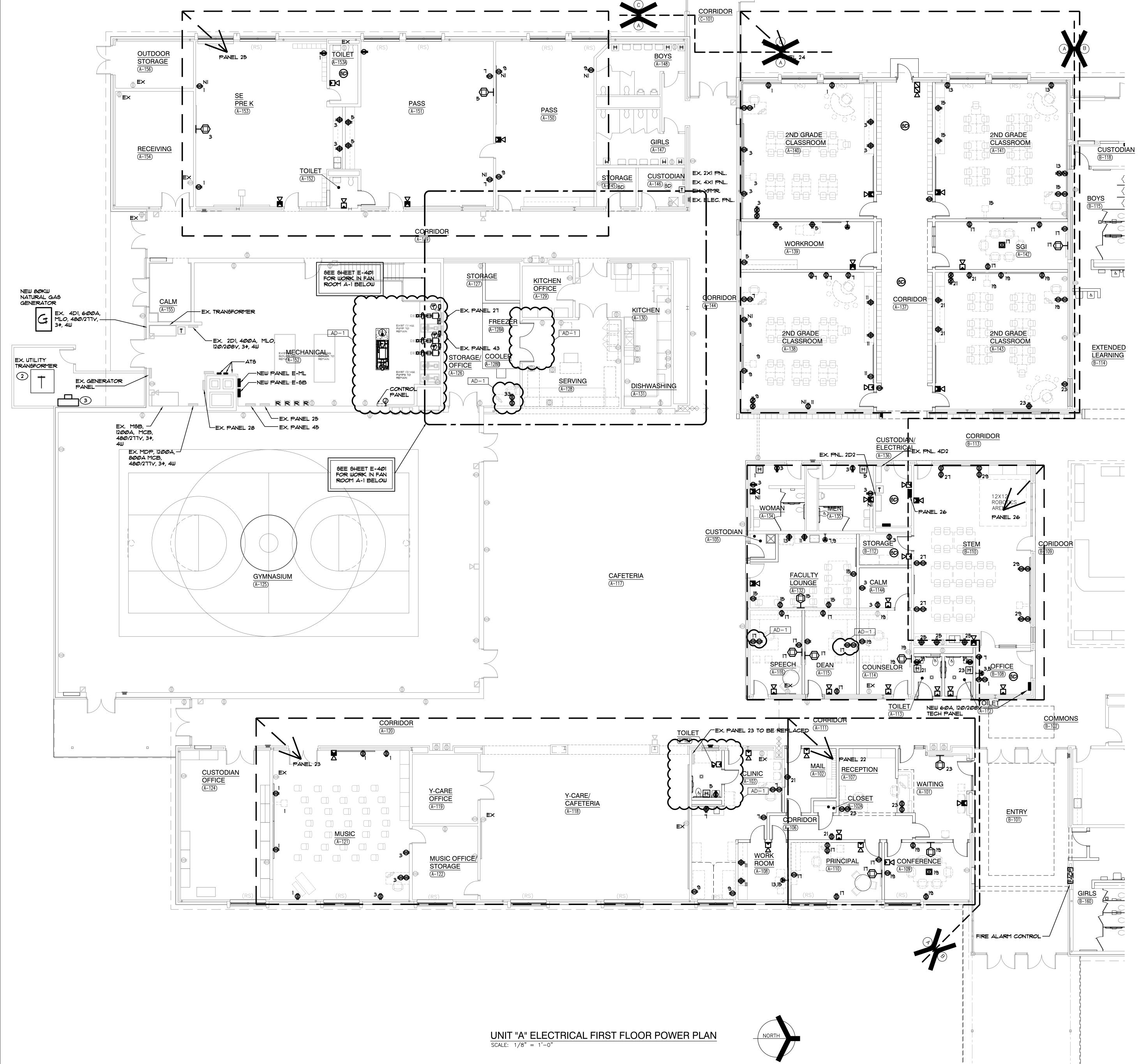
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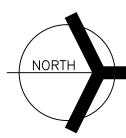






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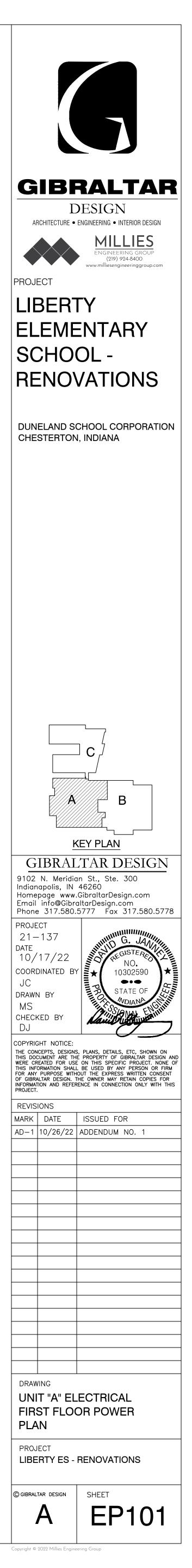


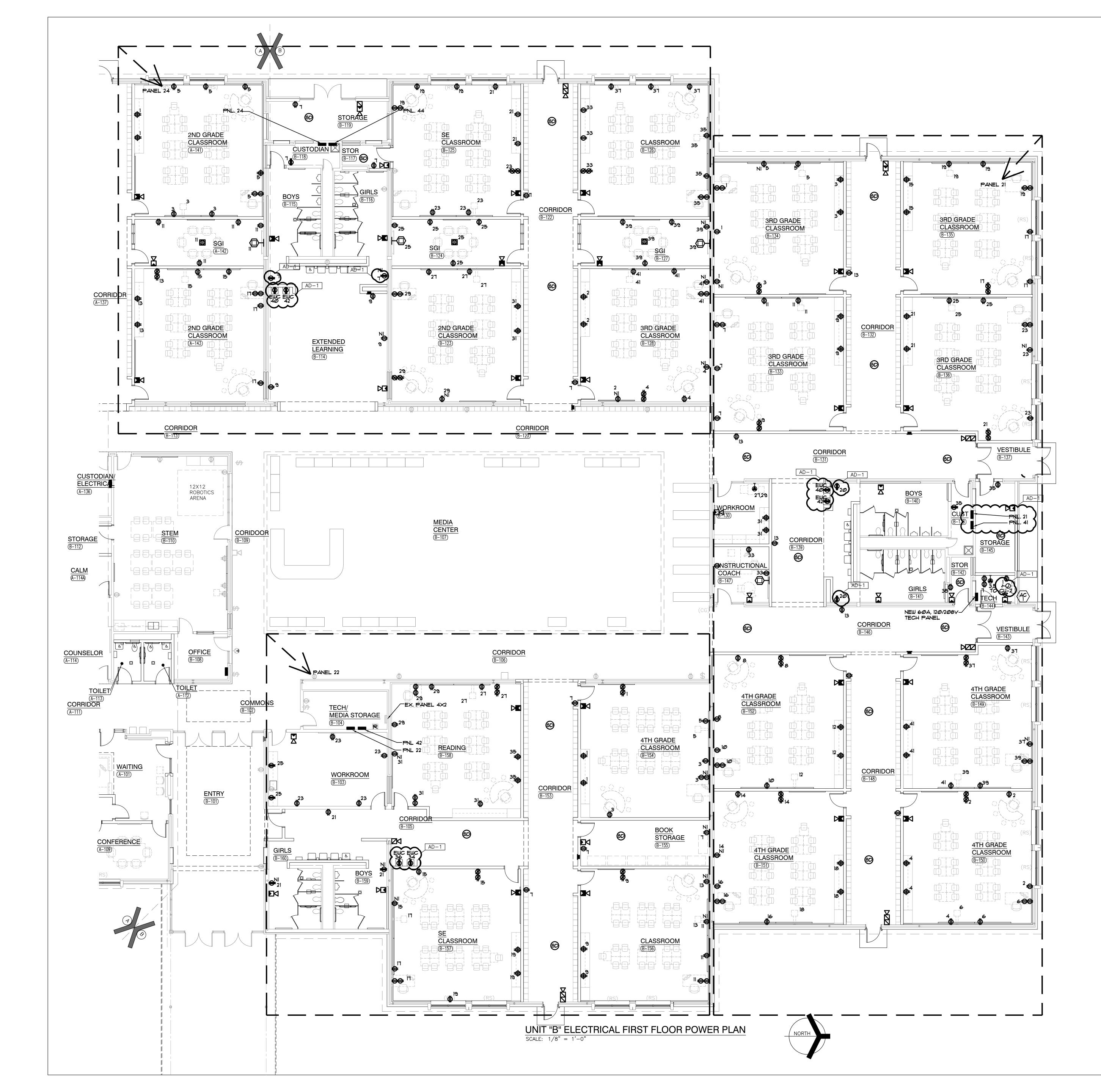


GENERAL NOTES

- CIRCUIT ALL DEVICES TO PANEL PP4 UNLESS OTHERWISE NOTED. CIRCUIT TAGS WITH 'P' PREFIX SHALL BE CONNECTED TO PP-5.
- REFER TO LOW VOLTAGE 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-ING AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 27 CONTRACTOR PRIOR TO ROUGH-IN.
- 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.
- . 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.

- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ELECTRICAL CIRCUITING AND WIRING REQUIREMENTS.
- EXISTING CUSTOMER OWNER UTILITY TRANSFORMER TO BE REPLACED WITH NEW UTILITY OWNED UNIT FOR SECONDARY METERING. COORDINATE WITH UTILITY COMPANY FOR TRANSFORMER REPLACEMENT AND PAD REQUIREMENTS.
- PROVIDE AND INSTALL C/T CABINET AND METER FOR SECONDARY METERING. COORDINATE WITH UTILITY COMPANY AS REQUIRED. INSTALL NEW SECONDARY FEEDERS FROM TRANSFORMER TO MAIN SWITCHBOARD.



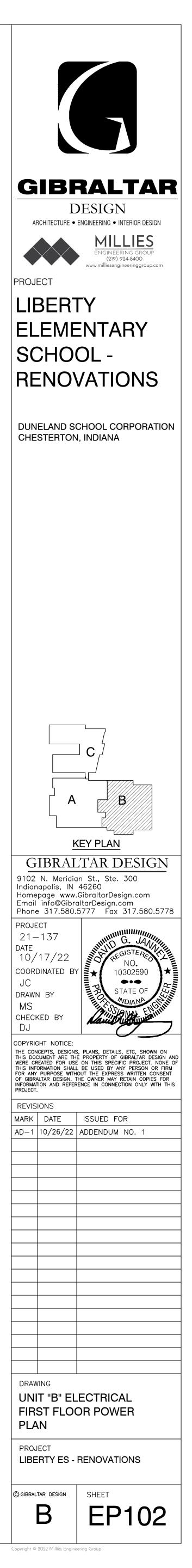


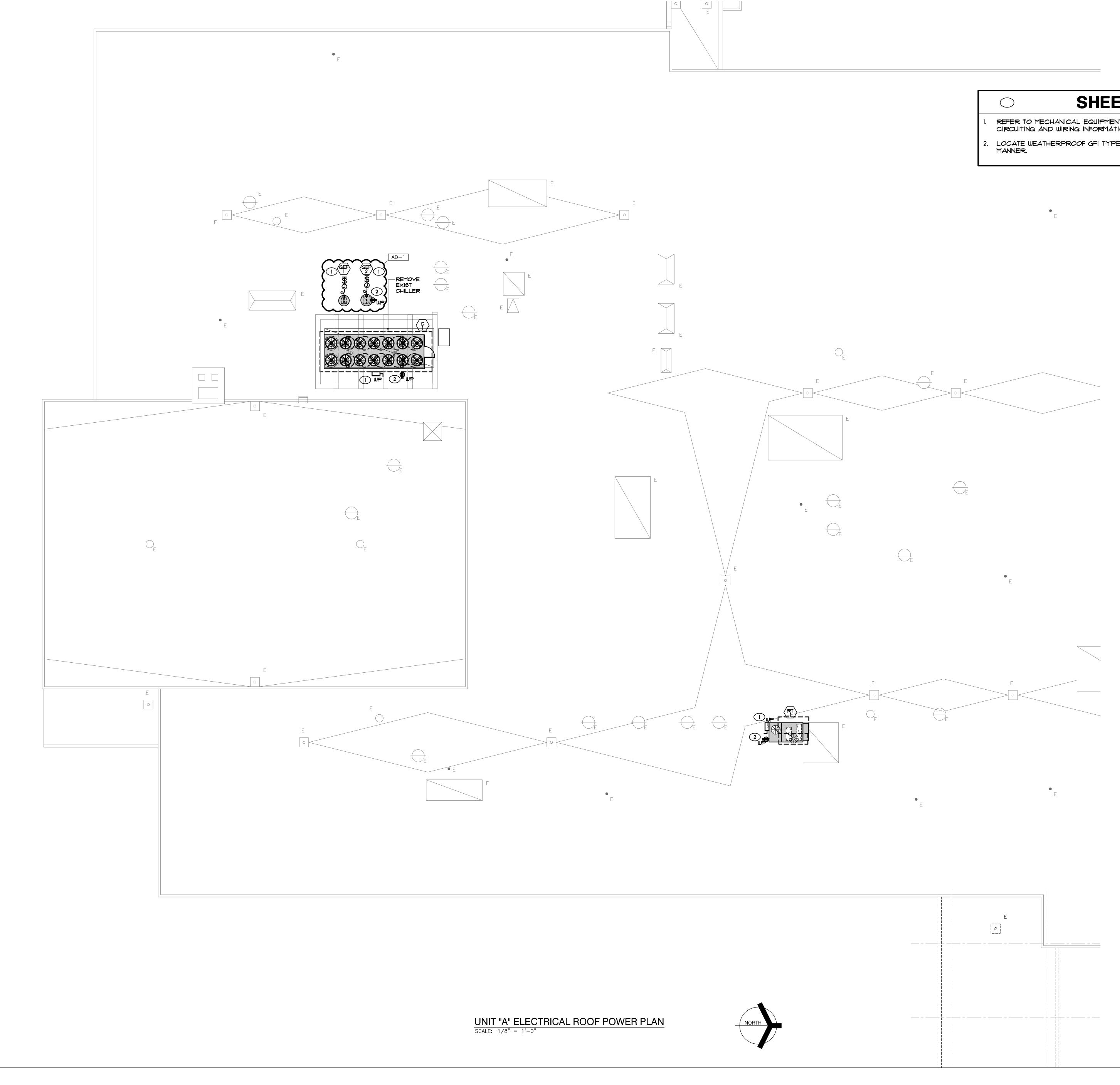
GENERAL NOTES

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

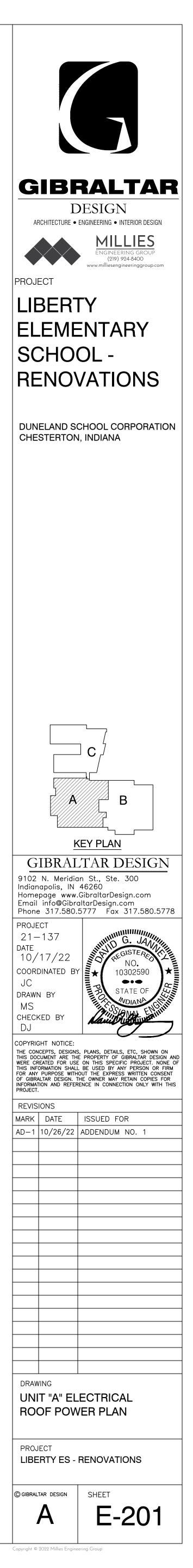


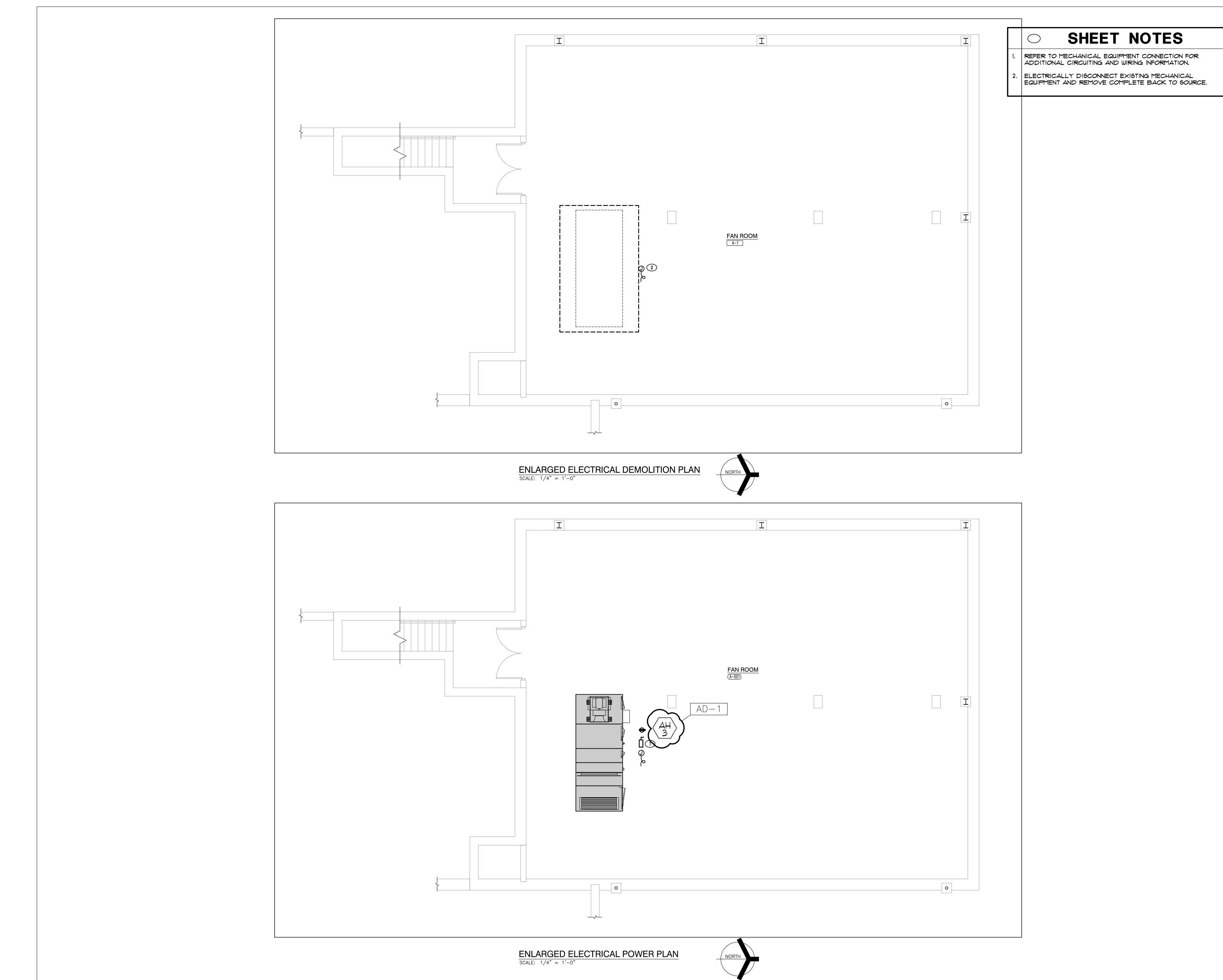






- REFER TO MECHANICAL EQUIPMENT CONNECTION FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
- . LOCATE WEATHERPROOF GFI TYPE RECEPTACLE ON UNIT IN AN APPROVED MANNER.





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| Phone 317.580.5 PROJECT 21-137 DATE | 5777 Fax 317.580.5778 |
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| | | EDS, SINGLE AND DUAL CIRCUITING AND SUSPENSION LENGTH AS SHOWN ON DRAWINGS. PROVIDE FABRICATION DRAWIN IOP DRAWING SUBMITTAL PROCESS. | NGO FOR REY | | | | ×A | | | E FACE EXIT, | | DUAL-LITE *SE-S-R- | × | | | 120 VOLT - | | .ED CE X 3W W | ALL ARC |
|--|--|---|---|--|---|--|---|--|--|---|---|---|--|--|----------------------|------------------------------|--------|------------------|--------------|
| | 3. SH | ADED FIXTURES SHALL HAVE AN EMERGENCY SOURCE OF POWER AS SPECIFIED. | | | | | | - Y | | | | | • | | | - | _ | - | PR - 46 F |
| | PC | OLES SHALL BE SIZED PROPERLY TO SUPPORT FIXTURE WEIGHT AT 100 MPH WIND WITH A 1.3 GUST FACTOR. MINIMUM POL | | | | | ХВ | | | | | DUAL-LITE SE-D-R | × | | | 12Ø ∨OLT - - - | | × 3W W | ALL ARC |
| | PF | ROVIDE CUSTOM FABRICATED POLE MOUNTED HOUSE SIDE SHIELDING AS REQUIRED TO CONTROL LIGHT TRESPASS AND | | | | | ×c | 8 Q | BI AC | | AC ONLY, | DUAL-LITE *SE-S-R- | × | | | 120 VOLT - - - | | | |
| | | | | | PRIATE | | EM | | | TY GENERATO | OR CIRCUIT | - | | | | MV VOL1 | т | | |
| | ד <i>.</i> ∨E | ERIFY FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN. | | | | | | 0 | • | | | | | | | | | | |
| | 8. FO | OR FIXTURES INSTALLED IN CASEWORK, VERIFY FIXTURE FIT WITH CASEWORK SHOP DRAWINGS PRIOR TO ORDERING. | | | | | NL | | | | | | | | | | | | |
| The Server Locario Hault B RELATED AND ENVIRENCE DOCARD AND ENVIRENCE ALCONNECTIONAL CARABITAL IN INVESSIONALL BE REPORTIONED IN A THAN A DEVINDED TO CARABITAL SERVER TO SOLUTIONAL CARABITAL SERVER DUCATION PARABITAL SERVICE D | 9. PF | ROVIDE CUSTOM ANTI-SWAY BRACING FOR PENDANT TO ELIMINATE PENDANT MOVEMENT DUE TO AIR MOVEMENT OR ENV | IVIRONMENTA! | L CAUSES | | | | | | | . – | | | | | | | | |
| | | | | E NOT INST | ALLED IN | | | | | | | | | | | | | | |
| by Numerical Lang Careful Li Coordinate unit Havacanes to Dollare the effective product in American tree to Dollare effective products and the effectiv | | | XTURES, CANO | IOPY CEIL | ING AROUND | , | | | | | | | | | | | | | |
| | 12. PF | ROVIDE 5000K COLOR TEMPERATURE IN SPECIAL EDUCATION SPACES AS SPECIFIED. | | | | | | | | | | | | | | | | | |
| Reversion Process is Not Zudade as an Equal, by the Revension Environment for Contractions shall provide the Product served for t | | EADLINES. EQUIPMENT DELIVERY LEAD TIME SHALL NOT BE HELD AS A VALID REASON FOR REQUESTING LUMINAIRE SUB EAD TIME FROM SPECIFIED MANUFACTURER IS IN EXCESS OF 14 WEEKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE E ETERMINE NECESSARY EQUIPMENT LEAD TIMES, DELIVER SUBMITTALS FOR REVIEW IN A TIMELY FASHION, AND PLACE OF | BSTITUTION U | INLESS LUI CONTRAC | TOR TO | | | | | | | | | | | | | | |
| A PAPPONDE EQUILE ULL DE CONSIDERED FROM THE FOLLOUNG VENDORS, KBA LEHTING (6939374595), CHCAGO LIGHT UORGG (183465930) OR FG L. CAREFULT VEREFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. CAREFULT VEREFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. CAREFULT VEREFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. CAREFULT VEREFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. CAREFULT VEREFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. CAREFULT VEREFY COLOR TEMPERATURE OF FIXTURES CAREFULT VEREFY COLOR TEMPERATURE OF FIXTURES CAREFULT VEREFY COLOR TEMPERATURE OF FIXTURES CAREFULT VEREFY COLOR TEMPERATURES CAREFULT VEREFY COLOR TEMPERATURES LATTER # 1 | | | | | ING THE | | | | | | | | | | | | | | |
| EL CAREFULI Y VERIEY COLOR TEMPERATURE OF FIXIURES WITH ARCHITECT PRIOR TO ORDERING. | 15. CA | AREFULLY COORDINATE VOLTAGES OF FIXTURES PRIOR TO ORDERING FIXTURES. | | | | | | | | | | | | | | | | | |
| | | | | 00010500 | | | | | | | | | | | | | | | |
| AG Description Description Description Description Description Parte | EN | LIGHTEN (847.228.1199). AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. | | | | | \sim | ~~~ | \sim | | \sim | | \sim | \sim | \sim | ~~~ | \sim | \frown | \sim |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | EN | AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. | | | | | | | | | | | ~ | | | ~~~ | | | ~~~ |
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| $\frac{1}{1}$ | EN | | MENT | CO | NNEC | TION | SC | HED | ULE | | FUSED SWITCH | FEEDER | | STARTER E | <u>BY:</u> LOO | | | | |
| $\frac{1}{1} = \frac{1}{1} = \frac{1}$ | | | MENT | СО LOAD МСА | NNEC | TION MOCE | SC volt | | ULE PANEL | CKT. NO. | FUSED SWITCH C/B | FEEDER CABLE | c | STARTER E MC. EC | <u>BY:</u> LOO | | | | |
| EF-1 ROOF MOUNTED GENERAL EXHAUST FAN- CONSTANT EXH REF EXH SYSTEM (BOILER ROOM A-128) IIT6 I/2 IIT6 IIT6 IIT6 IIT6 IIT6 IIT6 IIT7 IIT7 | | AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. MECHANICAL EQUIPI DESCRIPTION UA ROOF MOUNTED AIR COOLED CHILLER WITH REMOTE INTERIOR BUNDLE 36 | МЕЛТ Атт <u>я</u> нр 63715 - | CO LOAD MCA 438 | NNEC | MOCF | SC VOLT 480 | нер. | ULE PANEL MSB | CKT. NO. - | FUSED SWITCH C/B 600A/QP | FEEDER CABLE GETS OF 4 #350 \$ 1 #1 G | C 203' | STARTER E MC. EC X - | <u>BY:</u> LOO | DCATION REMA | | | |
| | EN 17. CA TAG C-1 | AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. MECHANICAL EQUIPI DESCRIPTION WA ROOF MOUNTED AIR COOLED CHILLER WITH REMOTE INTERIOR BUNDLE 36 INTERIOR AIR HANDLING UNIT - CHILLED WATER COOLING / HOT WATER HEATING 114 | ATTS НР 63715 - 1418 - | CO LOAD MCA 438 | NNEC | TION MOCF MOCF <t< td=""><td>SC VOLT 480 480</td><td>НЕО Рндее 3 3</td><td>ULE PANEL MGB MDP</td><td>CKT. NO. -</td><td>FUSED SWITCH C/B 600A/3P</td><td>FEEDER CABLE 3ETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD</td><td>C C 2D8' 3/4'</td><td>STARTER E MC. EC X -</td><td><u>BY:</u> LOO</td><td>DCATION REMA </td><td></td><td></td><td></td></t<> | SC VOLT 480 480 | НЕО Рндее 3 3 | ULE PANEL MGB MDP | CKT. NO. - | FUSED SWITCH C/B 600A/3P | FEEDER CABLE 3ETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD | C C 2D8' 3/4' | STARTER E MC. EC X - | <u>BY:</u> LOO | DCATION REMA | | | |
| F-2 ROOF MOUNTED GENERAL EXHAUST FAN - REFRIGERANT EXH SYSTEM (BOILER ROOM A-128) 1920 1 - - 120 1 2DL - 2@A/IP 2 #2 # 1 #2 GRD 3/4" - × - - | EN 17. C4 TAG C-1 AH-3 RT-1 | AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. MECHANICAL EQUIPI DESCRIPTION WA ROOF MOUNTED AIR COOLED CHILLER WITH REMOTE INTERIOR BUNDLE 36 INTERIOR AIR HANDLING UNIT - CHILLED WATER COOLING / HOT WATER HEATING 14 ROOF MOUNTED GAS FIRED / DX COOLING ROOFTOP UNIT-VAY 14 | ATTS HP 63715 - 1418 - 1474 - | CO LOAD MCA 438 | NNEC | TION MOCE MOCE <t< td=""><td>SC volt 480 480 480</td><td>НЕО Рндее 3 3</td><td>ULE PANEL MSB MDP MDP</td><td>CKT. NO. - -</td><td>FUSED SWITCH C/B 600A/QP 20A/3P 15A/3P</td><td>FEEDER CABLE 3ETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD 4 #12 & 1 #12 GRD</td><td>C C 2D8' 3/4' 3/4'</td><td>BTARTER E MC. EC X - X -</td><td><u>BY:</u> LOC 2.</td><td>DCATION REMA </td><td></td><td></td><td></td></t<> | SC volt 480 480 480 | НЕО Рндее 3 3 | ULE PANEL MSB MDP MDP | CKT. NO. - - | FUSED SWITCH C/B 600A/QP 20A/3P 15A/3P | FEEDER CABLE 3ETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD 4 #12 & 1 #12 GRD | C C 2D8' 3/4' 3/4' | BTARTER E MC. EC X - X - | <u>BY:</u> LOC 2. | DCATION REMA | | | |
| | EN 17. C4 TAG C-1 AH-3 RT-1 | AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. MECHANICAL EQUIP DESCRIPTION | ATTS HP 63715 - 1418 - 1474 - 3952 - | CO LOAD MCA 438 | FLA A - - - | TION MOCE MOCE <t< td=""><td>SC volt 480 480 480 208</td><td>НЕО Рндее 3 3 3 1</td><td>ULE PANEL MSB MDP MDP PNL 41</td><td>CKT. NO. - -</td><td>FUSED SWITCH C/B 600A/3P 20A/3P 15A/3P 25A/3P</td><td>FEEDER CABLE GETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD 4 #12 & 1 #12 GRD 3 #10 & 1#10 GRD</td><td>C C 2D8' 3/4' 3/4' 3/4'</td><td>6TARTER E MC. EC X - X -</td><td><u>BY:</u> LOC 2.</td><td>DCATION REMA </td><td></td><td></td><td></td></t<> | SC volt 480 480 480 208 | НЕО Рндее 3 3 3 1 | ULE PANEL MSB MDP MDP PNL 41 | CKT. NO. - - | FUSED SWITCH C/B 600A/3P 20A/3P 15A/3P 25A/3P | FEEDER CABLE GETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD 4 #12 & 1 #12 GRD 3 #10 & 1#10 GRD | C C 2D8' 3/4' 3/4' 3/4' | 6TARTER E MC. EC X - X - | <u>BY:</u> LOC 2. | DCATION REMA | | | |
| | EN 17. CA TAG C-1 AH-3 | AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. MECHANICAL EQUIPI DESCRIPTION WA ROOF MOUNTED AIR COOLED CHILLER WITH REMOTE INTERIOR BUNDLE 36 INTERIOR AIR HANDLING UNIT - CHILLED WATER COOLING / HOT WATER HEATING 114 | ATTS НР 63715 - 1418 - | CO LOAD MCA 438 | NNEC | TION MOCF MOCF <t< th=""><th>SC VOLT 480 480</th><th>НЕО Рндее 3 3</th><th>ULE PANEL MGB MDP</th><th>CKT. NO. -</th><th>FUSED SWITCH C/B 600A/3P</th><th>FEEDER CABLE 3ETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD</th><th>C C 2D8' 3/4'</th><th>STARTER E MC. EC X -</th><th><u>BY:</u> LOO</th><th>DCATION REMA </th><th></th><th></th><th></th></t<> | SC VOLT 480 480 | НЕО Рндее 3 3 | ULE PANEL MGB MDP | CKT. NO. - | FUSED SWITCH C/B 600A/3P | FEEDER CABLE 3ETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD | C C 2D8' 3/4' | STARTER E MC. EC X - | <u>BY:</u> LOO | DCATION REMA | | | |
| | EN 17. C4 TAG C-1 AH-3 RT-1 AC-1/CU-1 | LIGHTEN (841228/199). AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. | ATTS HP 63715 - 1418 - 1474 - 3952 - 1176 1/2 | CO LOAD MCA 438 | FLA 4 - - | TION MOCF MOCF MOCF MIPS COUNT | SC volt 480 480 480 120 | НЕО Рндее 3 3 3 1 | ULE PANEL MSB MDP MDP FNL 41 2DL | CKT. NO. - - - | FUSED SWITCH C/B 600A/3P 20A/3P 15A/3P 25A/3P 20A/IP | FEEDER CABLE GETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD 4 #12 & 1 #12 GRD 3 #10 & 1#10 GRD 2 #12 & 1 #12 GRD | C C 3/4' 3/4' 3/4' 3/4' | 6TARTER E MC. EC × - × - × - | | DCATION REMA | | | |
| PUMP EQUIPMENT CONNECTION SCHEDULE | EN 11. C4 TAG C-1 AH-3 RT-1 AC-1/CU-1 GEF-1 | ILIGHTEN (841228J199). AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. | ATTS HP 637115 - 14714 - 14714 - 3952 - 1176 1/2 920 1 | CO LOAD MCA 438 14 9 19 - - | FLA 4 - - | TION MOCF MOCF MOCF MIPS COUNT | SC volt 480 480 480 120 | НЕО Рндее 3 3 3 1 | ULE PANEL MSB MDP MDP FNL 41 2DL | CKT. NO. - - - | FUSED SWITCH C/B 600A/3P 20A/3P 15A/3P 25A/3P 20A/IP | FEEDER CABLE GETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD 4 #12 & 1 #12 GRD 3 #10 & 1#10 GRD 2 #12 & 1 #12 GRD | C C 3/4' 3/4' 3/4' 3/4' | 6TARTER E MC. EC × - × - × - | | DCATION REMA | | | |
| G DESCRIPTION LOAD HP MOCP VOLT PHASE PANEL CKT. NO. SWITCH FEEDER STARTED BY: LOCATION REMARKS | EN 17. C4 TAG C-1 AH-3 RT-1 AC-1/CU-1 GEF-1 | ILIGHTEN (841228/1993) AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. MECHANICAL EQUIP DESCRIPTION DESCRIPTION UA ROOF MOUNTED AIR COOLED CHILLER WITH REMOTE INTERIOR BUNDLE S6 INTERIOR AIR HANDLING UNIT - CHILLED WATER COOLING / HOT WATER HEATING IN ROOF MOUNTED GAS FIRED / DX COOLING ROOFTOP UNIT-VAV VIT WALL MTD AC UNIT / ROOF MOUNTED CONDENSING UNIT S7 ROOF MOUNTED GENERAL EXHAUST FAN - REFRIGERANT EXH SYSTEM (BOILER ROOM A-128) IN ROOF MOUNTED GENERAL EXHAUST FAN - REFRIGERANT EXH SYSTEM (BOILER ROOM A-128) IN ROOF MOUNTED GENERAL EXHAUST FAN - REFRIGERANT EXH SYSTEM (BOILER ROOM A-128) IN ROOF MOUNTED GENERAL EXHAUST FAN - REFRIGERANT EXH SYSTEM (BOILER ROOM A-128) IN ROOF MOUNTED GENERAL EXHAUST FAN - REFRIGERANT EXH SYSTEM (BOILER ROOM A-128) IN ROOF MOUNTED GENERAL EXHAUST FAN - REFRIGERANT EXH SYSTEM (BOILER ROOM A-128) IN DESCRIPTION LOAD HP MOOP VOLT PHASE PANEL | ATTS HP 637115 - 1418 - 1418 - 3952 - 1116 1/2 920 1 | CO LOAD MCA 438 14 9 19 19 - 19 - ULE ULE 5WITC | | TION MOCF MIPS - 600 - 20 - 20 - 20 - 20 - 20 - 15 - 26 - - | SC volt 480 480 208 120 120 | нер Рназе 3 3 1 1 1 1 | DEY: | CKT. NO. - - - - - - | FUSED SWITCH C/B 600A/3P 20A/3P 15A/3P 25A/3P 20A/IP | FEEDER CABLE GETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD 4 #12 & 1 #12 GRD 3 #10 & 1#10 GRD 2 #12 & 1 #12 GRD | C C 3/4' 3/4' 3/4' 3/4' | 6TARTER E MC. EC × - × - × - | | DCATION REMA | | | |
| G DESCRIPTION LOAD HP NOCP VOLT PHASE PANEL CKT. NO. FUSED SWITCH FEEDER CKT. NO. SWITCH CKT. NO. CKT. | EN 11. CA 11. CA TAG C-1 AH-3 RT-1 AC-1/CU-1 GEF-1 GEF-2 TAG | LIGHTEN (841228/193). AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. | ATTS HP 637115 - 14128 - 14148 - 14152 - 1416 1/2 39552 - 1116 1/2 3920 1 | LOAD MCA 438 14 9 19 19 19 19 19 19 19 19 19 19 19 19 1 | | TION MOCF MIPS - 600 - 20 - 15 - 26 - 26 - 15 - 26 - 15 - 26 - 15 - 26 - 15 - 15 - 26 - - | SC volt 480 480 480 120 120 120 120 | нер Рназе 3 3 1 1 1 1 | D BY: LC | CKT. NO. - - - - - - - - - - - - - | FUSED SWITCH C/B 600A/3P 20A/3P 15A/3P 25A/3P 20A/IP | FEEDER CABLE GETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD 4 #12 & 1 #12 GRD 3 #10 & 1#10 GRD 2 #12 & 1 #12 GRD | C C 3/4' 3/4' 3/4' 3/4' | 6TARTER E MC. EC × - × - × - | | DCATION REMA | | | |
| A DESCRIPTION LOAD HP MOCP VOLT PHASE PANEL CKT. NO. PHISE SWITCH FEEDER STARTED BY: LOCATION REMARKS -1 'BASE MOUNTED CHILLED WATER RECICULATION PUMP (C-1) 9134 1 1/2 - 480 3 4DI - 20A/3P 4 *12 * 1 *12 GRD. 54/4 - - - - - | EN 17. C/ TAG C-1 AH-3 RT-1 AC-1/CU-1 GEF-1 GEF-2 | LIGHTEN (241222.1993). AREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING. | ATTS HP 637115 - 14118 - 14174 - 39552 - 1116 1/2 920 1 | CO LOAD MCA 438 14 9 19 - 19 - - ULE ULE 5 ULE 5 ULE 5 ULE 5 ULE | | TION MOCF MPS - 600 - 20 - 15 - 26 - 26 - 15 - 26 - 15 - 26 - - - 15 - - | SC volt 480 480 480 120 120 120 34' | нер Рназе 3 3 1 1 1 1 | ULE PANEL MBB MDP MDP FNL 41 2DL 2DL 2DL | CKT. NO. - - - - - - - - - - - | FUSED SWITCH C/B 600A/3P 20A/3P 15A/3P 25A/3P 20A/IP | FEEDER CABLE GETS OF 4 #350 & 1 #1 G 4 #12 & 1 #12 GRD 4 #12 & 1 #12 GRD 3 #10 & 1#10 GRD 2 #12 & 1 #12 GRD | C C 3/4' 3/4' 3/4' 3/4' | 6TARTER E MC. EC × - × - × - | | DCATION REMA | | | |

| LIGHTING | CONTROL | SYSTEM | NOTES | |
|----------|---------|--------|-------|--|
| | | | | |

- 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

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, DUAL CIRCUITING AND SUSPENSION LENGTH AS SHOWN ON DRAWINGS. PROVIDE FABRICATION DRAWINGS FOR REVIEW AS PART OF THE 1ITTAL PROCESS.

| MECHANICAL EQ | UIPME | INT | CO | NNE | | ON | SCH | IED | JLE | | | | | | | |
|--|--------|-----|------|-----|------|------|------|-------|--------|----------|---------|------------------------------|------|---------|----------|---------|
| DESCRIPTION | | | LOAD | | | MOCP | VOLT | PHASE | PANEL | CKT. NO. | FUSED | FEEDER | STAR | TER BY: | LOCATION | REMARKS |
| | WATTS | ₽ | MCA | FLA | AMPS | | | | | | C/B | CABLE C | MC. | EC. | | |
| ROOF MOUNTED AIR COOLED CHILLER WITH REMOTE INTERIOR BUNDLE | 363715 | - | 438 | - | - | 600 | 480 | 3 | MSB | - | 600A/37 | SETS OF 4 #350 \$ 1 #1 GRD3" | × | - | - | - |
| INTERIOR AIR HANDLING UNIT - CHILLED WATER COOLING / HOT WATER HEATING | 11418 | - | 14 | - | - | 20 | 480 | 3 | MDP | - | 20A/3P | 4 #12 & 1 #12 GRD 3/4" | × | - | - | - |
| ROOF MOUNTED GAS FIRED / DX COOLING ROOFTOP UNIT-VAV | 7474 | - | 9 | - | - | 15 | 480 | 3 | MDP | | 15A/3P | 4 #12 \$ 1 #12 GRD 3/4" | | | | |
| WALL MTD AC UNIT / ROOF MOUNTED CONDENSING UNIT | 3952 | - | ei | - | - | 26 | 2Ø8 | 1 | PNL 41 | - | 25A/3P | 3 *10 \$ 1*10 GRD 3/4" | - | × | - | - |
| MOUNTED GENERAL EXHAUST FAN- CONSTANT EXH REF EXH SYSTEM (BOILER ROOM A-128) | 1176 | 1/2 | - | - | - | - | 12Ø | 1 | 2DL | - | 20A/1P | 2 #12 \$ 1 #12 GRD 3/4" | - | × | - | - |
| F MOUNTED GENERAL EXHAUST FAN - REFRIGERANT EXH SYSTEM (BOILER ROOM A-128) | 1920 | 1 | - | - | - | - | 12Ø | 1 | 2DL | - | 2ØA/1P | 2 #12 \$ 1 #12 GRD 3/4" | - | × | - | - |

TAG

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PA

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| PUMP EQUIP | MEN. | ТС | ONN | IEC | TION | I SC | HEDU | ILE | | | | | | |
|--|-------|-----|------|------|-------|-------|----------|-----------------|---------------------|-------------------|-------|--------|----------|---------|
| DESCRIPTION | LOAD | ЦÞ | MOCP | VOLT | PHASE | PANEL | CKT. NO. | FUSED SWITCH | FEEDER | | START | ED BY: | LOCATION | REMARKS |
| | WATTS | | | | | | | C/B | CABLE | с | MC. | EC. | | |
| ED CHILLED WATER RECICULATION PUMP (C-1) | 9134 | 1/2 | - | 480 | 3 | 4D1 | - | 20A/3P | 4 #12 \$ 1 #12 GRD. | 3/4" | - | - | - | - |
| INTED CHILLED WATER DISTRIBUTION PUMP | 11626 | 10 | - | 480 | З | 4D1 | - | 25A/3P | 4 410 \$ 1 410 GRD | ³ /4 " | - | - | - | - |
| INTED CHILLED WATER DISTRIBUTION PUMP | 11626 | 10 | - | 48Ø | 3 | 4D1 | - | 25A/3P | 4 #10 & 1 #10 GRD | 3/4 " | | | | |

| INTERIOR LIGHTING LUMINAIRE SCHEDULE | | | | | | |
|--------------------------------------|---|---|--------------------------------|--|--------------------------------|---|
| SYMBOL | DESCRIPTION | MANUFACTURER SERIES DR CATALDG NUMBER | VOLTAGE/ BALLAST | LAMPS/CROSS SECTION | MOUNTING | REMARKS |
| | 2' X 4' LED DIRECT/INDIRECT FIXTURE | LITHONIA *2BLT4-40L-ADP-GZI-LP840 COLUMBIA *LCAT24-40-LW-G-EDI-U DAY-BRITE *2FGXG40L840-4-RS-UNV-DIM | MV VOLT Ø-107 DIM - - | LED 4000K MAX 32 W MIN 4000 LM | RECESSED LAY-IN | - - - - |
| | 2' X 4' LED DIRECT/INDIRECT FIXTURE | LITHONIA *2BLT4-48L-ADP-GZI-LP840 COLUMBIA *LCAT24-40-ML-G-EDI-U DAY-BRITE *2FGXG48L840-4-RS-UNV-DIM | MV VOLT Ø-10V DIM - - | LED 4000K MAX 38 W MIN 4800 LM | RECESSED LAY-IN | - - - - |
| | 2' X 4' LED DIRECT/INDIRECT FIXTURE | LITHONIA *2BLT4-60L-ADP-GZI-LP840 COLUMBIA *LCAT24-40-VL-G-EDI-U DAY-BRITE *2FGXG60L840-4-RS-UNV-DIM | MV VOLT Ø-10V DIM - - | LED 4000K MAX 48 W MIN 6000 LM | RECESSED LAY-IN | - - - |
| | 2' × 2' LED DIRECT/INDIRECT FI×TURE | LITHONIA #28LT2-48L-ADP-GZI-LP840 COLUMBIA #LCAT22-40-VL-G-EDI-U DAY-BRITE #2FGXG48L840-2-RS-UNV-DIM | MV VOLT Ø-10V DIM - - | LED 4000K MAX 44 W MIN 4800 LM | RECESSED LAY-IN | - - - |
| | | 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 | - - - - |
| 0 | 6" DIAMETER LED DOWNLIGHT WITH SEMI-SPECULAR ALZAK REFLECTOR, IRIDESCENT FREE FINISH, & WHITE FLANGE | LITHONIA "LDNG-40-15-LOG-AR-LSS-MVOLT -GZ10-XX PRESCOLITE "LTR-SLI5L-DMI / "LTR-GRD-T-SL40K8MD LIGHTOLIER "GRN / "ZGRDL15840WOCDZ10U | MV VOLT Ø-10V DIM - - | LED 4000K MAX 18 W MIN 1500 LM | RECESSED LAY-IN/ DRYWALL | -VERIFY TRIM FINISH WITH ARCHITECT |
| | LINEAR LED FIXTURE FOR DISPLAY CASE WITH 45 DEG. EXTRUSION AND CONTINUOUS LENGTHS AS SHOWN | OPTIC ARTS "LL12-HO-41K-X-X-X-X-X Q-TRAN "SW 24-5.0-DRY-40K / VEVE-FR ACOLYTE "RB-90-SWS265-5.040 PROVIDE WITH POWER SUPPLIES AND ALL ACCESSORIES AS REUQIRED | MV VOLT MLV DIM - - | LED 4000K MAX 4.5W/FT MIN 440 LM/FT | SURFACE | -VERIFY FINISH WITH ARCHITECT -COORDINATE MOUNTING WITH CASEWORK |
| | LED 4' WIDE CONTINUOUS LINEAR SLOT FIXTURE | MARK *SL4L-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 0-107 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 |
| ⊯ | 4', LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS | LITHONIA *CLX-L48-7000LM-SEF-FDL-MVOLT -GZ10-40K-80CRI-XX-XX COLUMBIA *MPS4-40XL-FW-EDI-U-MPSWG4 DAY-BRITE *FSS470L840-UNV-DIM-FSSWG4 | MY VOLT Ø-107 DIM - | LED 4000K CRI +85 MIN 7000 LM | 'Y' CHAIN Suspend - | -COORD LOCATIONS WITH DUCTWORK & PIPING |
| ⊗ ⊗ | | LITHONIA #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 |
| ٢ | | 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 |
| | 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 VOLT - - - | LED MAX 3W - - | CEILING/ WALL - - | -VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED |
| | FIXTURE ON EMERGENCY LIFE SAFETY GENERATOR CIRCUIT WITH UL924 BYPASSES AS REQUIRED | - | MV VOLT | - | IN FIXTURE/ REMOTE | - |
| | CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE | | | | | |

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