ADDENDUM NO. 3

April 23, 2021

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
Cedar Lake, IN 46303

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 March 29, 2021 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 3-1 through ADD 3-4 and attached Addendum No. from Gibraltar Design dated April 23, 2021 and consisting of 9 pages, Specification Section 12 31 13 Metal Casework, 23 25 00 Water Treatment and 79 drawings.

A. SPECIFICATION SECTION 00 00 10 - TABLE OF CONTENTS

1. **Add:**

   Section 12 31 13 - Metal Casework
   Section 23 25 00 - Water Treatment

B. SPECIFICATION SECTION 00 31 00 - BID FORM

1. **Replace:**

   Specification Section 00 31 00 - Bid Form with the attached revised Bid Form.

C. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

1. BID CATEGORY NO. 1 - GENERAL TRADES

a. **Add:**

Clarification No. 28
Reference Detail 7 on drawing sheet A-502; The **Bid Category No. 1 Contractor** shall provide the W16x26 lintel and 3/8" bearing plate.

Clarification No. 29
Reference Note 11 on drawing sheet A-704; The **Bid Category No. 1 Contractor** shall install the gas kiln furnished by owner. The **Bid Category No. 11 and No. 12 Contractors** shall provide final connections.

2. BID CATEGORY NO. 2 - MASONRY

a. **Add:**

Clarification No. 5
Reference Detail 5 on drawing sheet A-502; The **Bid Category No. 2 Contractor** shall provide all work related to masonry, thru wall flashing and spray foam insulation. The **Bid Category No. 7 Contractor** shall provide all work related to prepping and painting exposed surfaces of the existing lintel plate and beam.

Clarification No. 6
The **Bid Category No. 2 Contractor** is to provide all winter protection to continue masonry work through the winter months to include but not limited to, enclosures, heating equipment, associated fuel, etc.

3. BID CATEGORY NO. 7 - PAINTING

a. **Add:**

Clarification No. 3
Reference Detail 5 on drawing sheet A-502; The **Bid Category No. 2 Contractor** shall provide all work related to masonry, through wall flashing and spray foam insulation. The **Bid Category No. 7 Contractor** shall provide all work related to prepping and painting exposed surfaces of the existing lintel plate and beam.

4. **BID CATEGORY NO. 8 - CASEWORK**

a. **Replace:**

Clarification No. 3:
Reference Specification Section 12 35 53 – Science Laboratory Casework and Equipment; the **Bid Category No. 10 Contractor** shall provide all Faucets, Gas and Air Cocks required under this section. The **Bid Category No. 8 Contractor** shall provide all other items required in this section. The **Bid Category No. 10 Contractor** shall coordinate installation with the **Bid Category No. 8 Contractor**.

b. **Add:**

Section 12 31 13 - Metal Casework

Clarification No. 5:
Reference Specification Section 12 32 16 - Plastic Laminate Casework; the Bid **Category No. 10 Contractor** shall provide all Plumbing Fixtures required under this section. The **Bid Category No. 10 Contractor** shall coordinate installation with the **Bid Category No. 8 Contractor.**

5. **BID CATEGORY NO. 10 - PLUMBING**

a. **Replace:**

Clarification No. 10:
Reference Specification Section 12 35 53 – Science Laboratory Casework and Equipment; the **Bid Category No. 10 Contractor** shall provide all Faucets, Gas and Air Cocks required under this section. The **Bid Category No. 8 Contractor** shall provide all other items required in this section. The **Bid Category No. 10 Contractor** shall coordinate installation with the **Bid Category No. 8 Contractor**.

b. **Add:**

Clarification No. 12:
Reference Specification Section 12 32 16 – Plastic Laminate Casework; the **Bid Category No. 10 Contractor** shall provide all Plumbing Fixtures required under this section. The **Bid Category No. 10 Contractor** shall coordinate installation with the **Bid Category No. 8 Contractor**.

6. **BID CATEGORY NO. 11 - MECHANICAL**

a. **Add:**

Section 23 11 23 - Natural Gas System Piping
Section 23 25 00 - Water Treatment

Clarification No. 9
Reference Note 11 on drawing sheet A-704; The **Bid Category No. 1 Contractor** shall install the gas kiln furnished by owner. The **Bid Category No. 11 and No. 12 Contractors** shall provide final connections.

7. **BID CATEGORY NO. 12 - ELECTRICAL**

a. **Add:**

Section 26 06 30 - Standby Power Generator System

Clarification No. 13
Reference Note 11 on drawing sheet A-704; The **Bid Category No. 1 Contractor** shall install the gas kiln furnished by owner. The **Bid Category No. 11 and No. 12 Contractors** shall provide final connections.

D. SPECIFICATION SECTION 01 23 00 - ALTERNATES

1. **Add:**

ALTERNATE NO. 8: State the cost to demolish existing ductwork and piping/controls and install the new Mechanical Rooftop Unit, ductwork, piping, controls, and structural framing per drawing sheets MV 105A and MP-105.

E. SPECIFICATION SECTION 01 32 00 - SCHEDULES AND REPORTS

1. **Replace:**

The Guideline Schedule and Phasing Plan (PH-1) in their entirety with the attached revised Guideline Schedule and Phasing Plan (PH-1).

CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

Format (Revised 2013)
(Amended for HCSC)

Hanover Central High School
Additions and Renovations

Hanover Community School Corporation

Cedar Lake, 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, ***Hanover Central High School Additions and 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".

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

Alternate Bid No. 1 - New Early Childcare Classroom and FACS Lab

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 2 - Slope Metal Roof Replacement

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 3 - Gas Heating/DX Cooling DOAS Unit A1

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 4 - New Gas Heating/DX Cooling DOAS Unit B1

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 5 - New Piping Distribution System to Units A and B

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 6 - Hubbell Lighting

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 7 - VCT Manufactured by Armstrong

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 8 - New Mechanical Rooftop Unit, Ductwork, Piping, Controls, and Structural Framing

Change the Base Bid the sum of _____
(sum in words)

_____ DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

PART II

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

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

SECTION I EXPERIENCE QUESTIONNAIRE

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

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

2. 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)

By

_____

_____
(Title of Person Signing)

ACKNOWLEDGEMENT

STATE OF _____)
) SS:
COUNTY OF _____)

Before me, a Notary Public, personally appeared the above-named

_____

Swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this _____ day of _____,

_____
(Title)

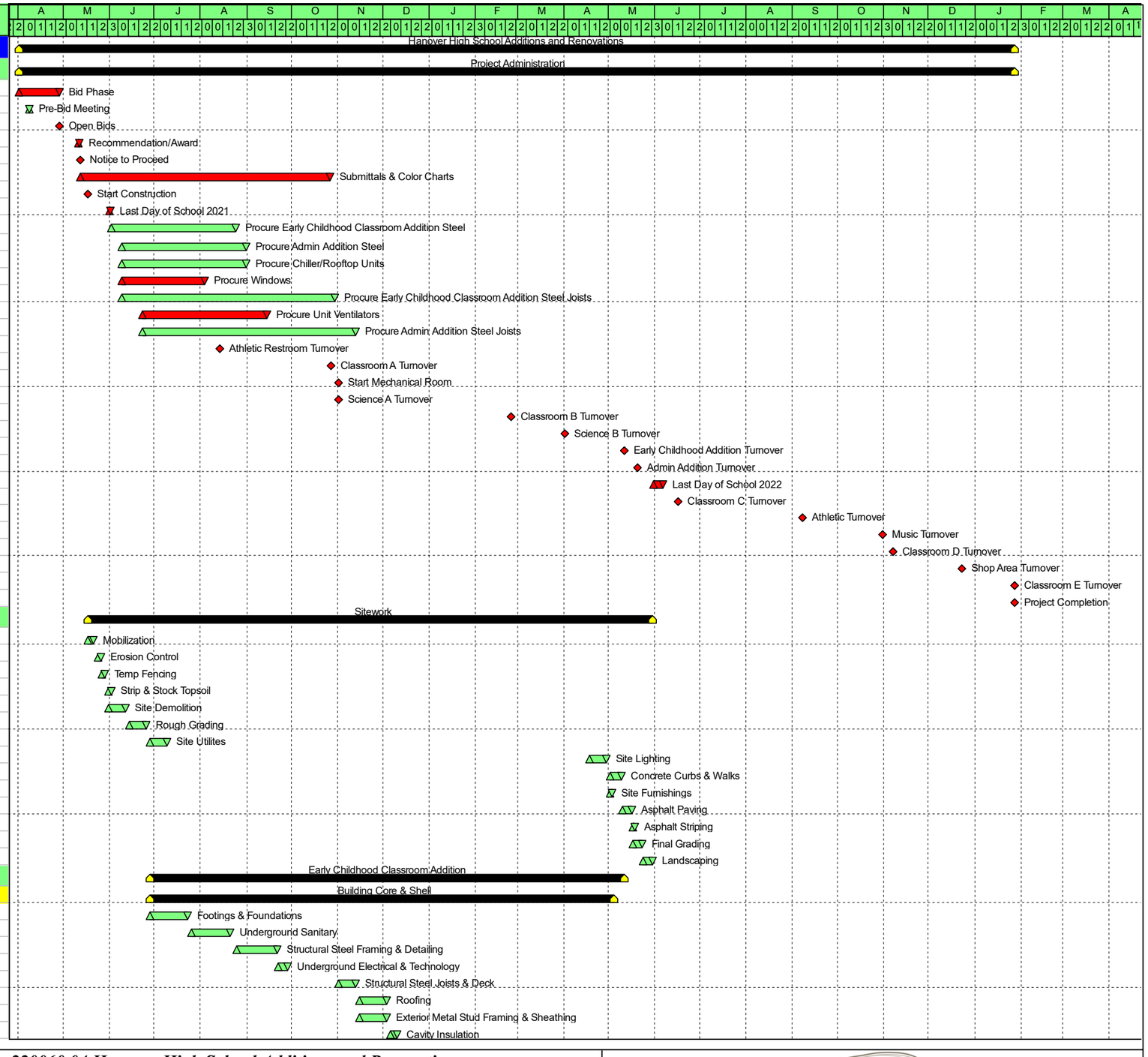
_____
Notary Public

My Commission Expires: _____

County of Residence: _____

END OF SECTION 00 31 00

Activity Name	Original Duration	Start	Finish
Hanover High School Additions and Renovations	477	Apr-01-2021	Jan-27-2023
Project Administration	477	Apr-01-2021	Jan-27-2023
Bid Phase	20	Apr-01-2021	Apr-28-2021
Pre-Bid Meeting	1	Apr-08-2021	Apr-08-2021
Open Bids	0		Apr-28-2021
Recommendation/Award	1	May-11-2021	May-11-2021
Notice to Proceed	0	May-12-2021	
Submittals & Color Charts	120	May-12-2021	Oct-26-2021
Start Construction	0	May-17-2021	
Last Day of School 2021	1	Jun-01-2021*	Jun-01-2021
Procure Early Childhood Classroom Addition Steel	60	Jun-02-2021	Aug-24-2021
Procure Admin Addition Steel	60	Jun-09-2021	Aug-31-2021
Procure Chiller/Rooftop Units	60	Jun-09-2021	Aug-31-2021
Procure Windows	40	Jun-09-2021	Aug-03-2021
Procure Early Childhood Classroom Addition Steel Joists	103	Jun-09-2021	Oct-29-2021
Procure Unit Ventilators	60	Jun-23-2021	Sep-14-2021
Procure Admin Addition Steel Joists	103	Jun-23-2021	Nov-12-2021
Athletic Restroom Turnover	0		Aug-13-2021
Classroom A Turnover	0		Oct-27-2021
Start Mechanical Room	0	Nov-01-2021*	
Science A Turnover	0		Nov-01-2021
Classroom B Turnover	0		Feb-24-2022
Science B Turnover	0		Apr-01-2022
Early Childhood Addition Turnover	0		May-11-2022
Admin Addition Turnover	0		May-20-2022
Last Day of School 2022	5	May-31-2022*	Jun-06-2022
Classroom C Turnover	0		Jun-16-2022
Athletic Turnover	0		Sep-07-2022
Music Turnover	0		Oct-31-2022
Classroom D Turnover	0		Nov-07-2022
Shop Area Turnover	0		Dec-23-2022
Classroom E Turnover	0		Jan-27-2023
Project Completion	0		Jan-27-2023
Sitework	271	May-17-2021	May-30-2022
Mobilization	5	May-17-2021	May-21-2021
Erosion Control	3	May-24-2021	May-26-2021
Temp Fencing	2	May-27-2021	May-28-2021
Strip & Stock Topsoil	3	May-31-2021	Jun-02-2021
Site Demolition	10	May-31-2021	Jun-11-2021
Rough Grading	10	Jun-14-2021	Jun-25-2021
Site Utilites	10	Jun-28-2021	Jul-09-2021
Site Lighting	10	Apr-18-2022	Apr-29-2022
Concrete Curbs & Walks	6	May-02-2022	May-09-2022
Site Furnishings	2	May-02-2022	May-03-2022
Asphalt Paving	5	May-10-2022	May-16-2022
Asphalt Striping	2	May-17-2022	May-18-2022
Final Grading	5	May-17-2022	May-23-2022
Landscaping	5	May-24-2022	May-30-2022
Early Childhood Classroom Addition	228	Jun-28-2021	May-11-2022
Building Core & Shell	223	Jun-28-2021	May-04-2022
Footings & Foundations	20	Jun-28-2021	Jul-23-2021
Underground Sanitary	20	Jul-26-2021	Aug-20-2021
Structural Steel Framing & Detailing	20	Aug-25-2021	Sep-21-2021
Underground Electrical & Technology	5	Sep-22-2021	Sep-28-2021
Structural Steel Joists & Deck	10	Nov-01-2021	Nov-12-2021
Roofing	15	Nov-15-2021	Dec-03-2021
Exterior Metal Stud Framing & Sheathing	15	Nov-15-2021	Dec-03-2021
Cavity Insulation	5	Dec-06-2021	Dec-10-2021



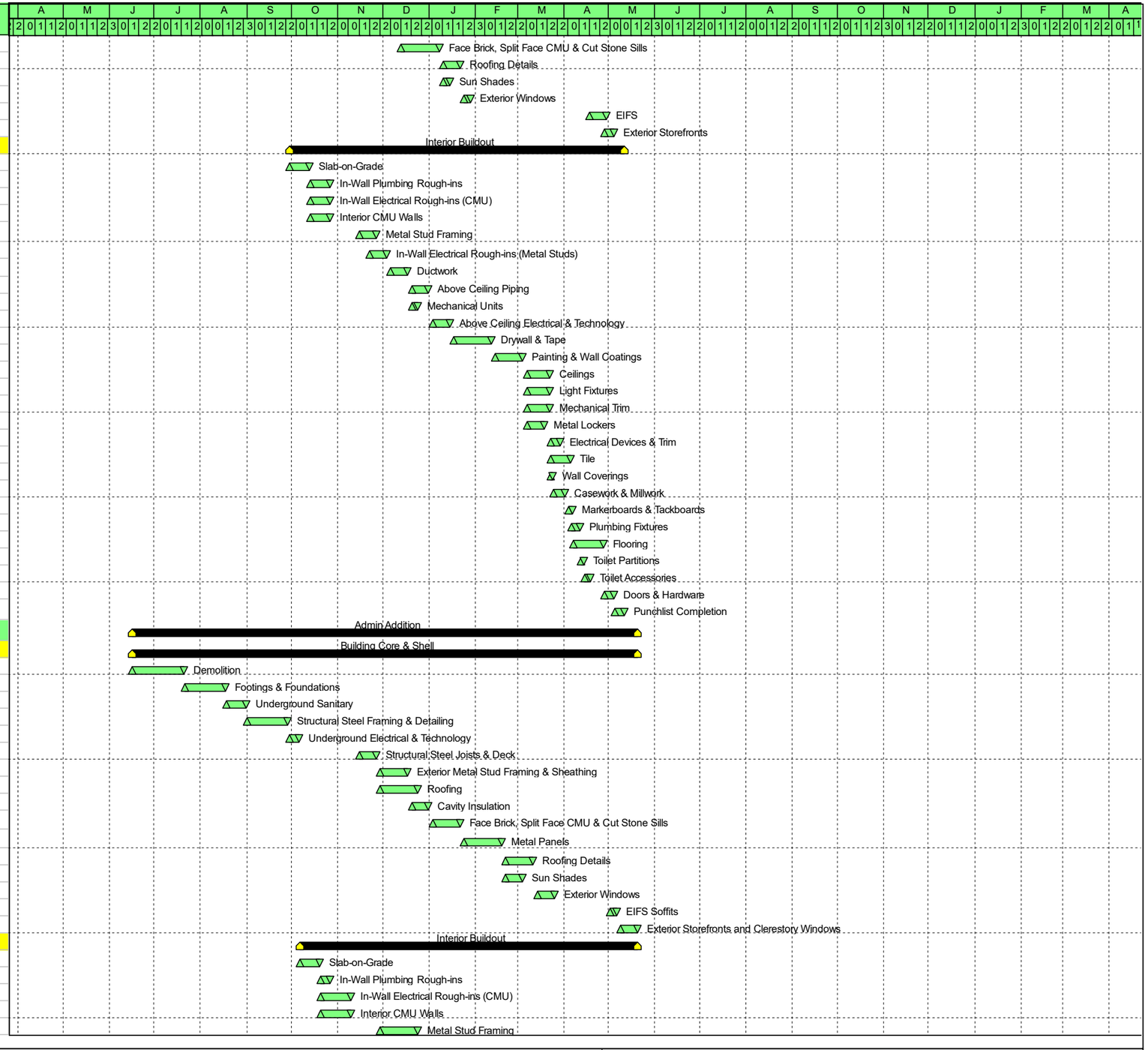
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

220060.04 Hanover High School Additions and Renovations

Revised Guideline Schedule (Addendum 3) Apr-23-21

SKILLMAN

Activity Name	Original Duration	Start	Finish
Face Brick, Split Face CMU & Cut Stone Sills	20	Dec-13-2021	Jan-07-2022
Roofing Details	10	Jan-10-2022	Jan-21-2022
Sun Shades	5	Jan-10-2022	Jan-14-2022
Exterior Windows	5	Jan-24-2022	Jan-28-2022
EIFS	10	Apr-18-2022	Apr-29-2022
Exterior Storefronts	5	Apr-28-2022	May-04-2022
Interior Buildout	161	Sep-29-2021	May-11-2022
Slab-on-Grade	10	Sep-29-2021	Oct-12-2021
In-Wall Plumbing Rough-ins	10	Oct-13-2021	Oct-26-2021
In-Wall Electrical Rough-ins (CMU)	10	Oct-13-2021	Oct-26-2021
Interior CMU Walls	10	Oct-13-2021	Oct-26-2021
Metal Stud Framing	10	Nov-15-2021	Nov-26-2021
In-Wall Electrical Rough-ins (Metal Studs)	10	Nov-22-2021	Dec-03-2021
Ductwork	10	Dec-06-2021	Dec-17-2021
Above Ceiling Piping	10	Dec-20-2021	Dec-31-2021
Mechanical Units	5	Dec-20-2021	Dec-24-2021
Above Ceiling Electrical & Technology	10	Jan-03-2022	Jan-14-2022
Drywall & Tape	20	Jan-17-2022	Feb-11-2022
Painting & Wall Coatings	15	Feb-14-2022	Mar-04-2022
Ceilings	12	Mar-07-2022	Mar-22-2022
Light Fixtures	12	Mar-07-2022	Mar-22-2022
Mechanical Trim	12	Mar-07-2022	Mar-22-2022
Metal Lockers	10	Mar-07-2022	Mar-18-2022
Electrical Devices & Trim	5	Mar-23-2022	Mar-29-2022
Tile	10	Mar-23-2022	Apr-05-2022
Wall Coverings	2	Mar-23-2022	Mar-24-2022
Casework & Millwork	6	Mar-25-2022	Apr-01-2022
Markerboards & Tackboards	3	Apr-04-2022	Apr-06-2022
Plumbing Fixtures	4	Apr-06-2022	Apr-11-2022
Flooring	15	Apr-07-2022	Apr-27-2022
Toilet Partitions	3	Apr-12-2022	Apr-14-2022
Toilet Accessories	2	Apr-15-2022	Apr-18-2022
Doors & Hardware	5	Apr-28-2022	May-04-2022
Punchlist Completion	5	May-05-2022	May-11-2022
Admin Addition	243	Jun-16-2021	May-20-2022
Building Core & Shell	243	Jun-16-2021	May-20-2022
Demolition	25	Jun-16-2021	Jul-20-2021
Footings & Foundations	20	Jul-21-2021	Aug-17-2021
Underground Sanitary	10	Aug-18-2021	Aug-31-2021
Structural Steel Framing & Detailing	20	Sep-01-2021	Sep-28-2021
Underground Electrical & Technology	5	Sep-29-2021	Oct-05-2021
Structural Steel Joists & Deck	10	Nov-15-2021	Nov-26-2021
Exterior Metal Stud Framing & Sheathing	15	Nov-29-2021	Dec-17-2021
Roofing	20	Nov-29-2021	Dec-24-2021
Cavity Insulation	10	Dec-20-2021	Dec-31-2021
Face Brick, Split Face CMU & Cut Stone Sills	15	Jan-03-2022	Jan-21-2022
Metal Panels	20	Jan-24-2022	Feb-18-2022
Roofing Details	15	Feb-21-2022	Mar-11-2022
Sun Shades	10	Feb-21-2022	Mar-04-2022
Exterior Windows	10	Mar-14-2022	Mar-25-2022
EIFS Soffits	5	May-02-2022	May-06-2022
Exterior Storefronts and Clerestory Windows	10	May-09-2022	May-20-2022
Interior Buildout	163	Oct-06-2021	May-20-2022
Slab-on-Grade	10	Oct-06-2021	Oct-19-2021
In-Wall Plumbing Rough-ins	5	Oct-20-2021	Oct-26-2021
In-Wall Electrical Rough-ins (CMU)	15	Oct-20-2021	Nov-09-2021
Interior CMU Walls	15	Oct-20-2021	Nov-09-2021
Metal Stud Framing	20	Nov-29-2021	Dec-24-2021



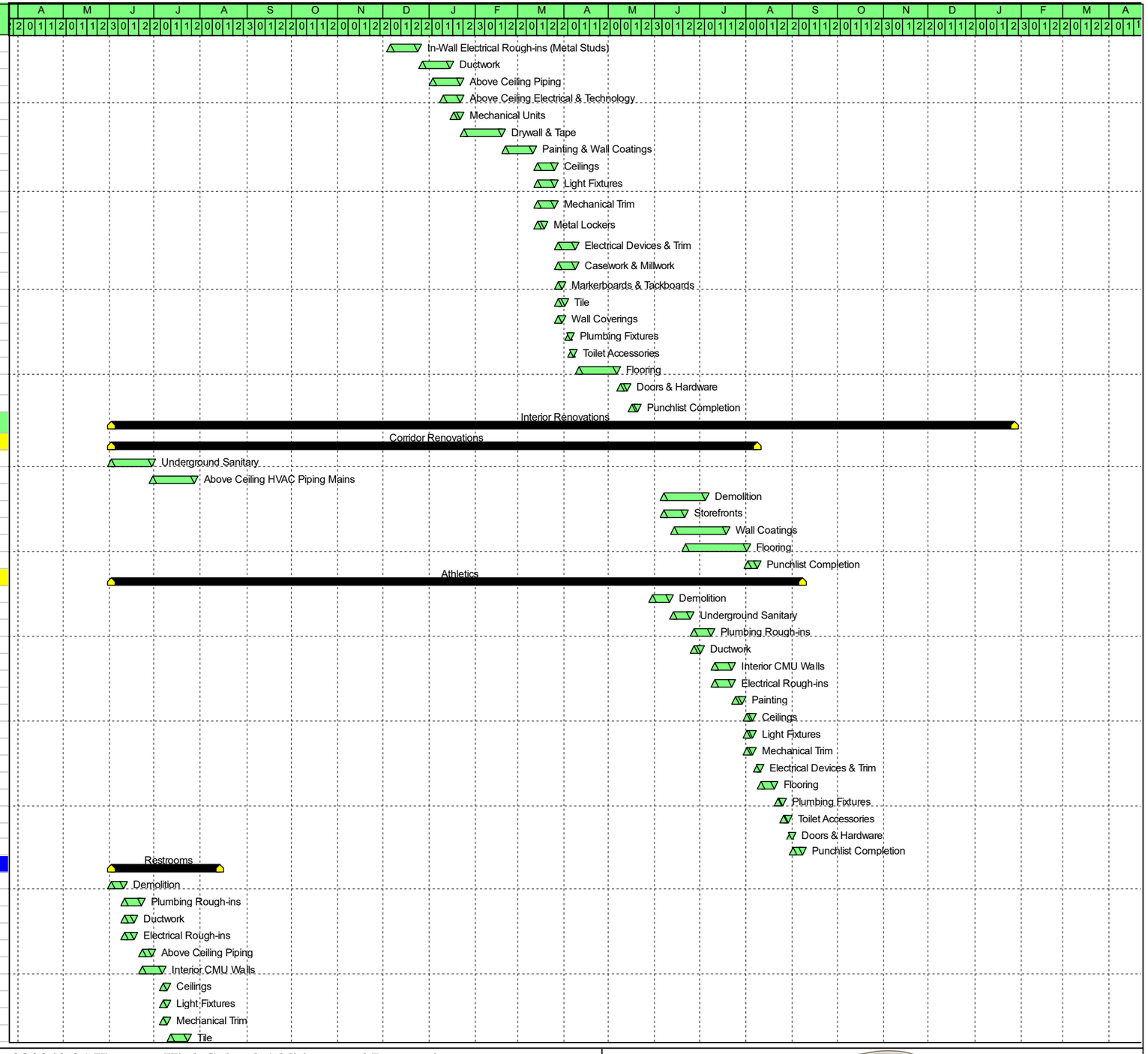
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

220060.04 Hanover High School Additions and Renovations

Revised Guideline Schedule (Addendum 3) Apr-23-21

SKILLMAN

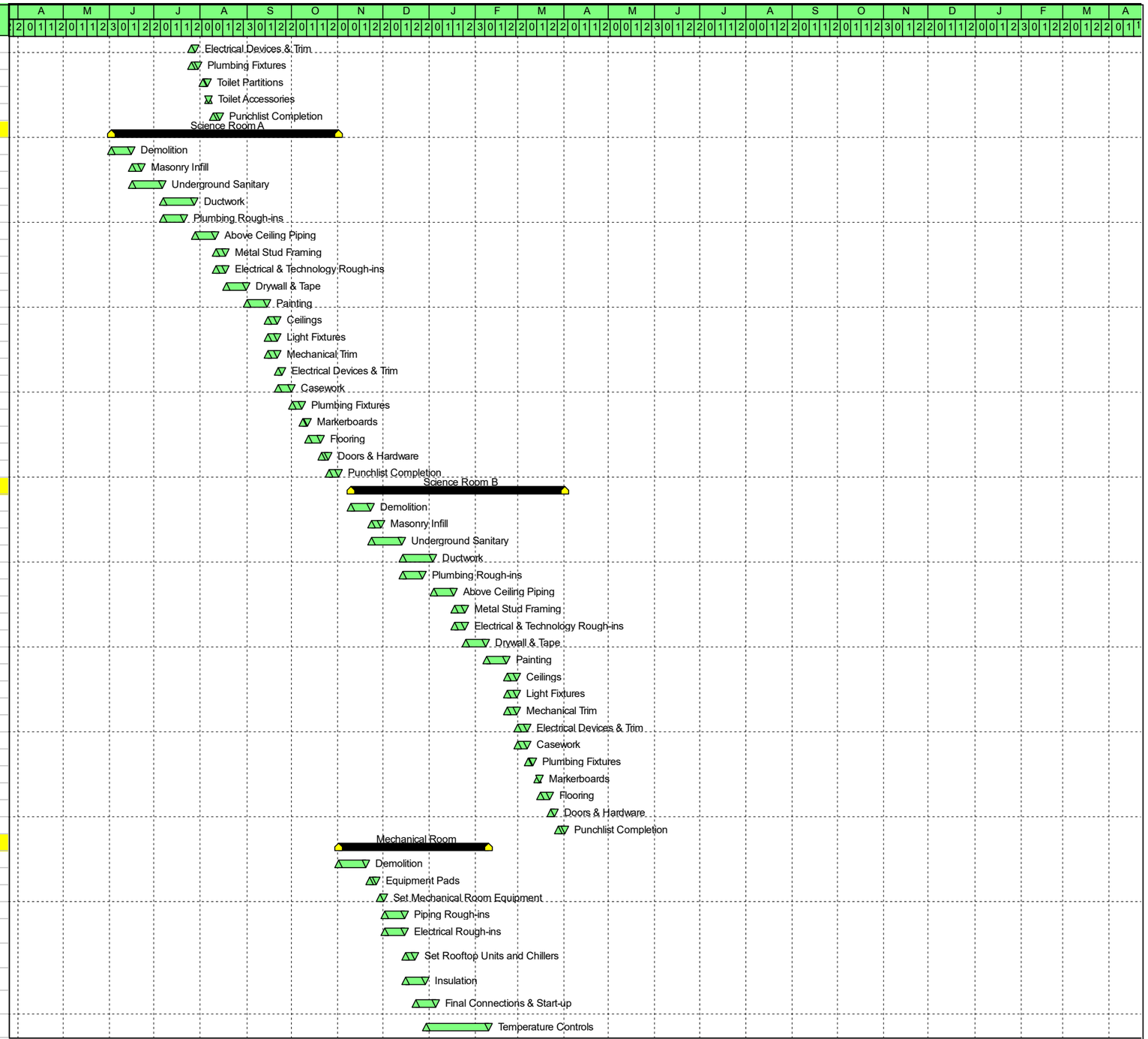
Activity Name	Original Duration	Start	Finish
In-Wall Electrical Rough-ins (Metal Studs)	15	Dec-06-2021	Dec-24-2021
Ductwork	15	Dec-27-2021	Jan-14-2022
Above Ceiling Piping	15	Jan-03-2022	Jan-21-2022
Above Ceiling Electrical & Technology	10	Jan-10-2022	Jan-21-2022
Mechanical Units	5	Jan-17-2022	Jan-21-2022
Drywall & Tape	20	Jan-24-2022	Feb-18-2022
Painting & Wall Coatings	15	Feb-21-2022	Mar-11-2022
Ceilings	10	Mar-14-2022	Mar-25-2022
Light Fixtures	10	Mar-14-2022	Mar-25-2022
Mechanical Trim	10	Mar-14-2022	Mar-25-2022
Metal Lockers	5	Mar-14-2022	Mar-18-2022
Electrical Devices & Trim	10	Mar-28-2022	Apr-08-2022
Casework & Millwork	10	Mar-28-2022	Apr-08-2022
Markerboards & Tackboards	3	Mar-28-2022	Mar-30-2022
Tile	5	Mar-28-2022	Apr-01-2022
Wall Coverings	3	Mar-28-2022	Mar-30-2022
Plumbing Fixtures	2	Apr-04-2022	Apr-05-2022
Toilet Accessories	2	Apr-06-2022	Apr-07-2022
Flooring	20	Apr-11-2022	May-06-2022
Doors & Hardware	5	May-09-2022	May-13-2022
Punchlist Completion	5	May-16-2022	May-20-2022
Interior Renovations	433	Jun-02-2021	Jan-27-2023
Corridor Renovations	309	Jun-02-2021	Aug-08-2022
Underground Sanitary	20	Jun-02-2021	Jun-29-2021
Above Ceiling HVAC Piping Mains	20	Jun-30-2021	Jul-27-2021
Demolition	20	Jun-07-2022	Jul-04-2022
Storefronts	10	Jun-07-2022	Jun-20-2022
Wall Coatings	25	Jun-14-2022	Jul-18-2022
Flooring	30	Jun-21-2022	Aug-01-2022
Punchlist Completion	5	Aug-02-2022	Aug-08-2022
Athletics	331	Jun-02-2021	Sep-07-2022
Demolition	10	May-30-2022	Jun-10-2022
Underground Sanitary	10	Jun-13-2022	Jun-24-2022
Plumbing Rough-ins	10	Jun-27-2022	Jul-08-2022
Ductwork	5	Jun-27-2022	Jul-01-2022
Interior CMU Walls	10	Jul-11-2022	Jul-22-2022
Electrical Rough-ins	10	Jul-11-2022	Jul-22-2022
Painting	5	Jul-25-2022	Jul-29-2022
Ceilings	5	Aug-01-2022	Aug-05-2022
Light Fixtures	5	Aug-01-2022	Aug-05-2022
Mechanical Trim	5	Aug-01-2022	Aug-05-2022
Electrical Devices & Trim	3	Aug-08-2022	Aug-10-2022
Flooring	7	Aug-11-2022	Aug-19-2022
Plumbing Fixtures	4	Aug-22-2022	Aug-25-2022
Toilet Accessories	2	Aug-26-2022	Aug-29-2022
Doors & Hardware	2	Aug-30-2022	Aug-31-2022
Punchlist Completion	5	Sep-01-2022	Sep-07-2022
Restrooms	53	Jun-02-2021	Aug-13-2021
Demolition	7	Jun-02-2021	Jun-10-2021
Plumbing Rough-ins	8	Jun-11-2021	Jun-22-2021
Ductwork	5	Jun-11-2021	Jun-17-2021
Electrical Rough-ins	5	Jun-11-2021	Jun-17-2021
Above Ceiling Piping	5	Jun-23-2021	Jun-29-2021
Interior CMU Walls	10	Jun-23-2021	Jul-06-2021
Ceilings	3	Jul-07-2021	Jul-09-2021
Light Fixtures	3	Jul-07-2021	Jul-09-2021
Mechanical Trim	3	Jul-07-2021	Jul-09-2021
Tile	10	Jul-12-2021	Jul-23-2021



Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

SKILLMAN

Activity Name	Original Duration	Start	Finish
Electrical Devices & Trim	3	Jul-26-2021	Jul-28-2021
Plumbing Fixtures	5	Jul-26-2021	Jul-30-2021
Toilet Partitions	4	Aug-02-2021	Aug-05-2021
Toilet Accessories	1	Aug-06-2021	Aug-06-2021
Punchlist Completion	5	Aug-09-2021	Aug-13-2021
Science Room A	109	Jun-02-2021	Nov-01-2021
Demolition	10	Jun-02-2021	Jun-15-2021
Masonry Infill	5	Jun-16-2021	Jun-22-2021
Underground Sanitary	15	Jun-16-2021	Jul-06-2021
Ductwork	15	Jul-07-2021	Jul-27-2021
Plumbing Rough-ins	10	Jul-07-2021	Jul-20-2021
Above Ceiling Piping	10	Jul-28-2021	Aug-10-2021
Metal Stud Framing	5	Aug-11-2021	Aug-17-2021
Electrical & Technology Rough-ins	5	Aug-11-2021	Aug-17-2021
Drywall & Tape	10	Aug-18-2021	Aug-31-2021
Painting	10	Sep-01-2021	Sep-14-2021
Ceilings	5	Sep-15-2021	Sep-21-2021
Light Fixtures	5	Sep-15-2021	Sep-21-2021
Mechanical Trim	5	Sep-15-2021	Sep-21-2021
Electrical Devices & Trim	3	Sep-22-2021	Sep-24-2021
Casework	7	Sep-22-2021	Sep-30-2021
Plumbing Fixtures	5	Oct-01-2021	Oct-07-2021
Markerboards	2	Oct-08-2021	Oct-11-2021
Flooring	7	Oct-12-2021	Oct-20-2021
Doors & Hardware	3	Oct-21-2021	Oct-25-2021
Punchlist Completion	5	Oct-26-2021	Nov-01-2021
Science Room B	104	Nov-09-2021	Apr-01-2022
Demolition	10	Nov-09-2021	Nov-22-2021
Masonry Infill	5	Nov-23-2021	Nov-29-2021
Underground Sanitary	15	Nov-23-2021	Dec-13-2021
Ductwork	15	Dec-14-2021	Jan-03-2022
Plumbing Rough-ins	10	Dec-14-2021	Dec-27-2021
Above Ceiling Piping	10	Jan-04-2022	Jan-17-2022
Metal Stud Framing	5	Jan-18-2022	Jan-24-2022
Electrical & Technology Rough-ins	5	Jan-18-2022	Jan-24-2022
Drywall & Tape	10	Jan-25-2022	Feb-07-2022
Painting	10	Feb-08-2022	Feb-21-2022
Ceilings	5	Feb-22-2022	Feb-28-2022
Light Fixtures	5	Feb-22-2022	Feb-28-2022
Mechanical Trim	5	Feb-22-2022	Feb-28-2022
Electrical Devices & Trim	5	Mar-01-2022	Mar-07-2022
Casework	5	Mar-01-2022	Mar-07-2022
Plumbing Fixtures	4	Mar-08-2022	Mar-11-2022
Markerboards	2	Mar-14-2022	Mar-15-2022
Flooring	5	Mar-16-2022	Mar-22-2022
Doors & Hardware	3	Mar-23-2022	Mar-25-2022
Punchlist Completion	5	Mar-28-2022	Apr-01-2022
Mechanical Room	73	Nov-01-2021	Feb-09-2022
Demolition	15	Nov-01-2021	Nov-19-2021
Equipment Pads	5	Nov-22-2021	Nov-26-2021
Set Mechanical Room Equipment	3	Nov-29-2021	Dec-01-2021
Piping Rough-ins	10	Dec-02-2021	Dec-15-2021
Electrical Rough-ins	10	Dec-02-2021	Dec-15-2021
Set Rooftop Units and Chillers	5	Dec-16-2021	Dec-22-2021
Insulation	10	Dec-16-2021	Dec-29-2021
Final Connections & Start-up	10	Dec-23-2021	Jan-05-2022
Temperature Controls	30	Dec-30-2021	Feb-09-2022



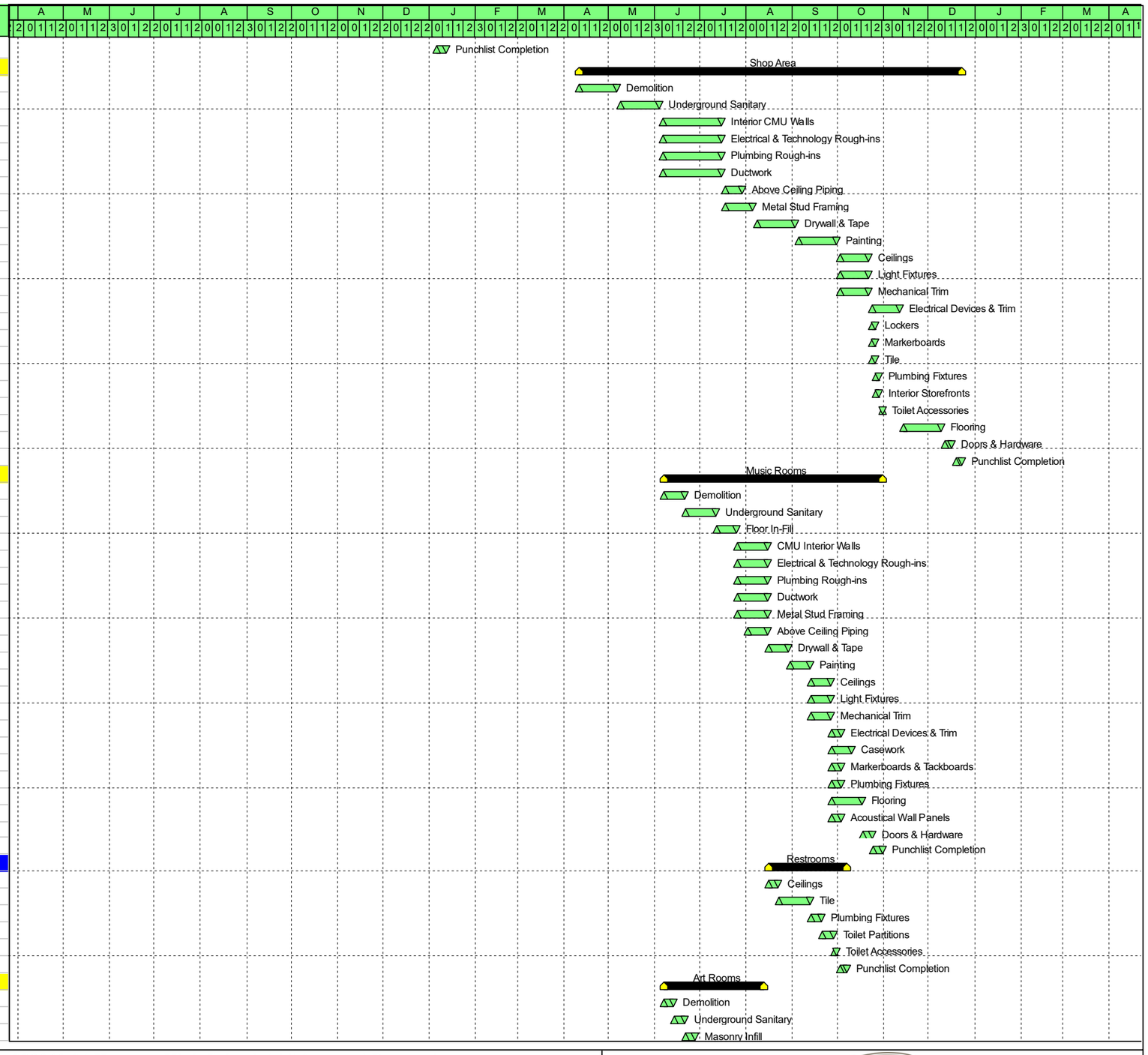
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

220060.04 Hanover High School Additions and Renovations

Revised Guideline Schedule (Addendum 3) Apr-23-21

SKILLMAN

Activity Name	Original Duration	Start	Finish
Punchlist Completion	5	Jan-06-2022	Jan-12-2022
Shop Area	185	Apr-11-2022	Dec-23-2022
Demolition	20	Apr-11-2022	May-06-2022
Underground Sanitary	20	May-09-2022	Jun-03-2022
Interior CMU Walls	30	Jun-06-2022	Jul-15-2022
Electrical & Technology Rough-ins	30	Jun-06-2022	Jul-15-2022
Plumbing Rough-ins	30	Jun-06-2022	Jul-15-2022
Ductwork	30	Jun-06-2022	Jul-15-2022
Above Ceiling Piping	10	Jul-18-2022	Jul-29-2022
Metal Stud Framing	15	Jul-18-2022	Aug-05-2022
Drywall & Tape	20	Aug-08-2022	Sep-02-2022
Painting	20	Sep-05-2022	Sep-30-2022
Ceilings	15	Oct-03-2022	Oct-21-2022
Light Fixtures	15	Oct-03-2022	Oct-21-2022
Mechanical Trim	15	Oct-03-2022	Oct-21-2022
Electrical Devices & Trim	15	Oct-24-2022	Nov-11-2022
Lockers	3	Oct-24-2022	Oct-26-2022
Markerboards	3	Oct-24-2022	Oct-26-2022
Tile	3	Oct-24-2022	Oct-26-2022
Plumbing Fixtures	2	Oct-27-2022	Oct-28-2022
Interior Storefronts	2	Oct-27-2022	Oct-28-2022
Toilet Accessories	1	Oct-31-2022	Oct-31-2022
Flooring	20	Nov-14-2022	Dec-09-2022
Doors & Hardware	5	Dec-12-2022	Dec-16-2022
Punchlist Completion	5	Dec-19-2022	Dec-23-2022
Music Rooms	105	Jun-07-2022	Oct-31-2022
Demolition	10	Jun-07-2022	Jun-20-2022
Underground Sanitary	15	Jun-21-2022	Jul-11-2022
Floor In-Fill	10	Jul-12-2022	Jul-25-2022
CMU Interior Walls	15	Jul-26-2022	Aug-15-2022
Electrical & Technology Rough-ins	15	Jul-26-2022	Aug-15-2022
Plumbing Rough-ins	15	Jul-26-2022	Aug-15-2022
Ductwork	15	Jul-26-2022	Aug-15-2022
Metal Stud Framing	15	Jul-26-2022	Aug-15-2022
Above Ceiling Piping	10	Aug-02-2022	Aug-15-2022
Drywall & Tape	10	Aug-16-2022	Aug-29-2022
Painting	10	Aug-30-2022	Sep-12-2022
Ceilings	10	Sep-13-2022	Sep-26-2022
Light Fixtures	10	Sep-13-2022	Sep-26-2022
Mechanical Trim	10	Sep-13-2022	Sep-26-2022
Electrical Devices & Trim	5	Sep-27-2022	Oct-03-2022
Casework	10	Sep-27-2022	Oct-10-2022
Markerboards & Tackboards	5	Sep-27-2022	Oct-03-2022
Plumbing Fixtures	5	Sep-27-2022	Oct-03-2022
Flooring	15	Sep-27-2022	Oct-17-2022
Acoustical Wall Panels	5	Sep-27-2022	Oct-03-2022
Doors & Hardware	5	Oct-18-2022	Oct-24-2022
Punchlist Completion	5	Oct-25-2022	Oct-31-2022
Restrooms	39	Aug-16-2022	Oct-07-2022
Ceilings	5	Aug-16-2022	Aug-22-2022
Tile	15	Aug-23-2022	Sep-12-2022
Plumbing Fixtures	6	Sep-13-2022	Sep-20-2022
Toilet Partitions	6	Sep-21-2022	Sep-28-2022
Toilet Accessories	2	Sep-29-2022	Sep-30-2022
Punchlist Completion	5	Oct-03-2022	Oct-07-2022
Art Rooms	49	Jun-07-2022	Aug-12-2022
Demolition	5	Jun-07-2022	Jun-13-2022
Underground Sanitary	5	Jun-14-2022	Jun-20-2022
Masonry Infill	5	Jun-21-2022	Jun-27-2022



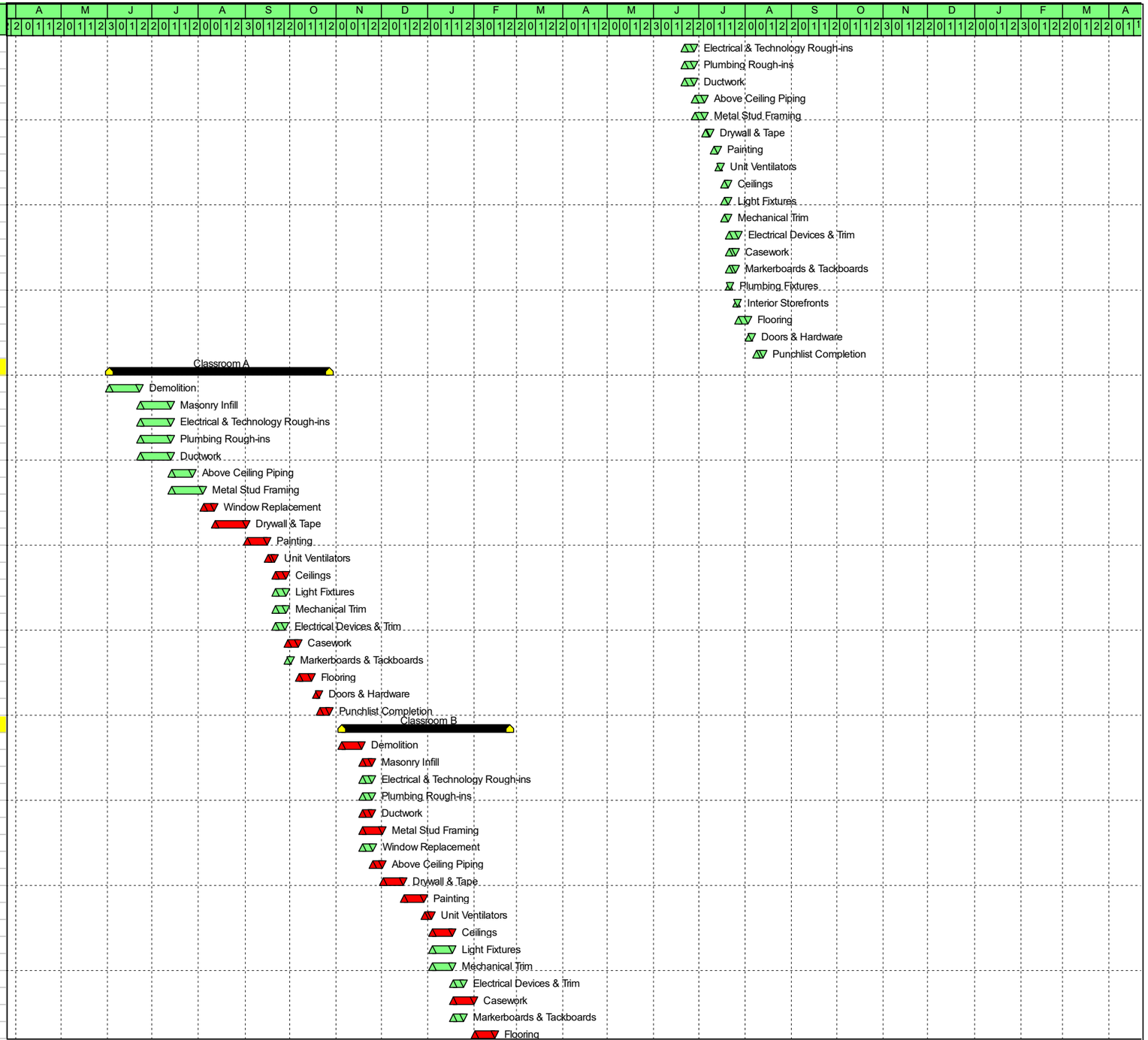
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

220060.04 Hanover High School Additions and Renovations

Revised Guideline Schedule (Addendum 3) Apr-23-21

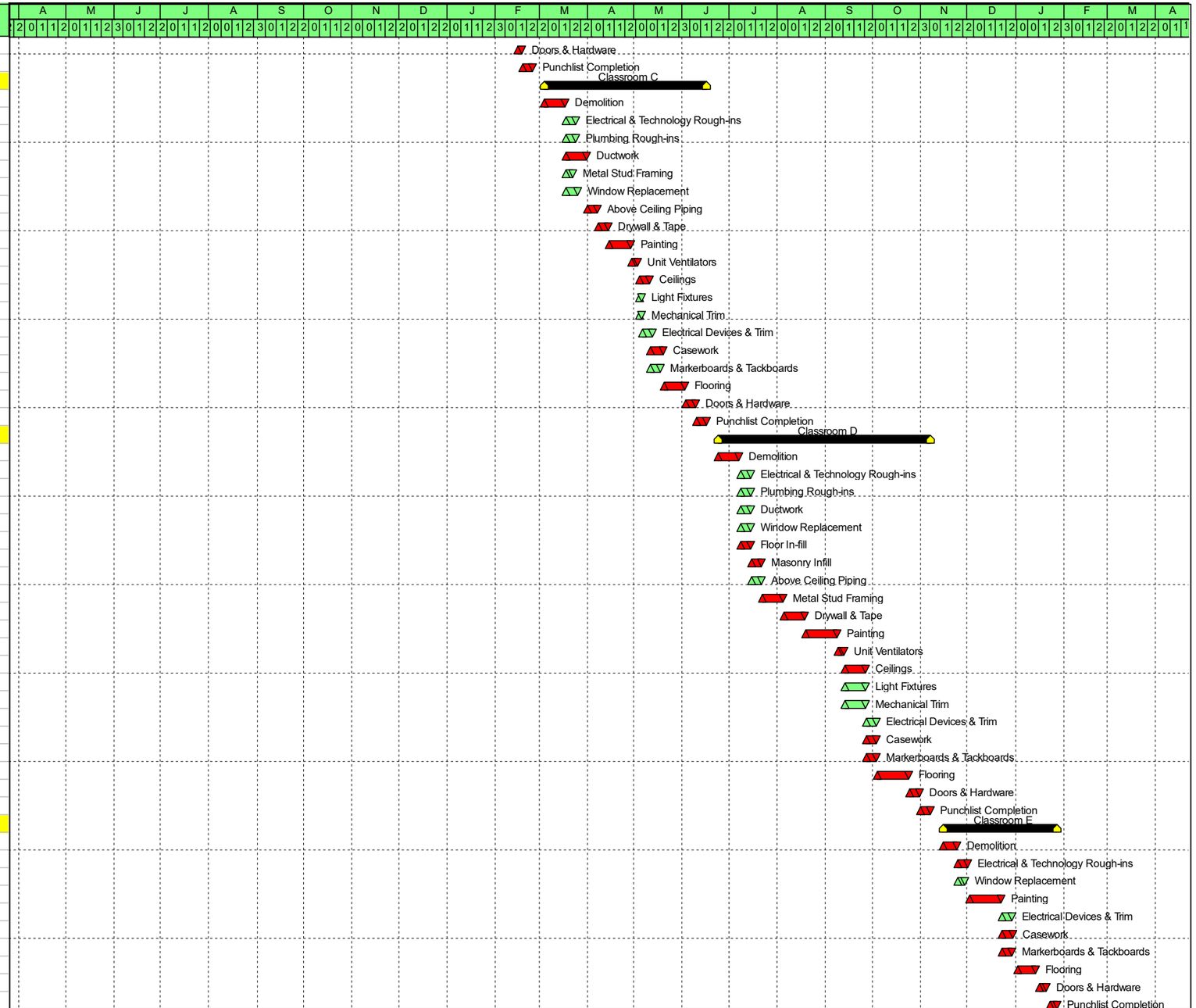
SKILLMAN

Activity Name	Original Duration	Start	Finish
Electrical & Technology Rough-ins	5	Jun-21-2022	Jun-27-2022
Plumbing Rough-ins	5	Jun-21-2022	Jun-27-2022
Ductwork	5	Jun-21-2022	Jun-27-2022
Above Ceiling Piping	5	Jun-28-2022	Jul-04-2022
Metal Stud Framing	5	Jun-28-2022	Jul-04-2022
Drywall & Tape	4	Jul-05-2022	Jul-08-2022
Painting	3	Jul-11-2022	Jul-13-2022
Unit Ventilators	2	Jul-14-2022	Jul-15-2022
Ceilings	3	Jul-18-2022	Jul-20-2022
Light Fixtures	3	Jul-18-2022	Jul-20-2022
Mechanical Trim	3	Jul-18-2022	Jul-20-2022
Electrical Devices & Trim	5	Jul-21-2022	Jul-27-2022
Casework	3	Jul-21-2022	Jul-25-2022
Markerboards & Tackboards	3	Jul-21-2022	Jul-25-2022
Plumbing Fixtures	1	Jul-21-2022	Jul-21-2022
Interior Storefronts	1	Jul-26-2022	Jul-26-2022
Flooring	5	Jul-27-2022	Aug-02-2022
Doors & Hardware	3	Aug-03-2022	Aug-05-2022
Punchlist Completion	5	Aug-08-2022	Aug-12-2022
Classroom A	106	Jun-02-2021	Oct-27-2021
Demolition	15	Jun-02-2021	Jun-22-2021
Masonry Infill	15	Jun-23-2021	Jul-13-2021
Electrical & Technology Rough-ins	15	Jun-23-2021	Jul-13-2021
Plumbing Rough-ins	15	Jun-23-2021	Jul-13-2021
Ductwork	15	Jun-23-2021	Jul-13-2021
Above Ceiling Piping	10	Jul-14-2021	Jul-27-2021
Metal Stud Framing	15	Jul-14-2021	Aug-03-2021
Window Replacement	6	Aug-04-2021	Aug-11-2021
Drywall & Tape	15	Aug-12-2021	Sep-01-2021
Painting	10	Sep-02-2021	Sep-15-2021
Unit Ventilators	3	Sep-16-2021	Sep-20-2021
Ceilings	6	Sep-21-2021	Sep-28-2021
Light Fixtures	6	Sep-21-2021	Sep-28-2021
Mechanical Trim	6	Sep-21-2021	Sep-28-2021
Electrical Devices & Trim	5	Sep-21-2021	Sep-27-2021
Casework	6	Sep-29-2021	Oct-06-2021
Markerboards & Tackboards	3	Sep-29-2021	Oct-01-2021
Flooring	7	Oct-07-2021	Oct-15-2021
Doors & Hardware	3	Oct-18-2021	Oct-20-2021
Punchlist Completion	5	Oct-21-2021	Oct-27-2021
Classroom B	81	Nov-04-2021	Feb-24-2022
Demolition	10	Nov-04-2021	Nov-17-2021
Masonry Infill	5	Nov-18-2021	Nov-24-2021
Electrical & Technology Rough-ins	5	Nov-18-2021	Nov-24-2021
Plumbing Rough-ins	5	Nov-18-2021	Nov-24-2021
Ductwork	5	Nov-18-2021	Nov-24-2021
Metal Stud Framing	10	Nov-18-2021	Dec-01-2021
Window Replacement	6	Nov-18-2021	Nov-25-2021
Above Ceiling Piping	5	Nov-25-2021	Dec-01-2021
Drywall & Tape	10	Dec-02-2021	Dec-15-2021
Painting	10	Dec-16-2021	Dec-29-2021
Unit Ventilators	3	Dec-30-2021	Jan-03-2022
Ceilings	10	Jan-04-2022	Jan-17-2022
Light Fixtures	10	Jan-04-2022	Jan-17-2022
Mechanical Trim	10	Jan-04-2022	Jan-17-2022
Electrical Devices & Trim	5	Jan-18-2022	Jan-24-2022
Casework	10	Jan-18-2022	Jan-31-2022
Markerboards & Tackboards	5	Jan-18-2022	Jan-24-2022
Flooring	10	Feb-01-2022	Feb-14-2022



Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

Activity Name	Original Duration	Start	Finish
Doors & Hardware	3	Feb-15-2022	Feb-17-2022
Punchlist Completion	5	Feb-18-2022	Feb-24-2022
Classroom C	75	Mar-04-2022	Jun-16-2022
Demolition	10	Mar-04-2022	Mar-17-2022
Electrical & Technology Rough-ins	5	Mar-18-2022	Mar-24-2022
Plumbing Rough-ins	5	Mar-18-2022	Mar-24-2022
Ductwork	10	Mar-18-2022	Mar-31-2022
Metal Stud Framing	3	Mar-18-2022	Mar-22-2022
Window Replacement	6	Mar-18-2022	Mar-25-2022
Above Ceiling Piping	5	Apr-01-2022	Apr-07-2022
Drywall & Tape	5	Apr-08-2022	Apr-14-2022
Painting	10	Apr-15-2022	Apr-28-2022
Unit Ventilators	3	Apr-29-2022	May-03-2022
Ceilings	5	May-04-2022	May-10-2022
Light Fixtures	2	May-04-2022	May-05-2022
Mechanical Trim	2	May-04-2022	May-05-2022
Electrical Devices & Trim	5	May-06-2022	May-12-2022
Casework	7	May-11-2022	May-19-2022
Markerboards & Tackboards	5	May-11-2022	May-17-2022
Flooring	10	May-20-2022	Jun-02-2022
Doors & Hardware	5	Jun-03-2022	Jun-09-2022
Punchlist Completion	5	Jun-10-2022	Jun-16-2022
Classroom D	97	Jun-24-2022	Nov-07-2022
Demolition	10	Jun-24-2022	Jul-07-2022
Electrical & Technology Rough-ins	5	Jul-08-2022	Jul-14-2022
Plumbing Rough-ins	5	Jul-08-2022	Jul-14-2022
Ductwork	5	Jul-08-2022	Jul-14-2022
Window Replacement	5	Jul-08-2022	Jul-14-2022
Floor In-fill	5	Jul-08-2022	Jul-14-2022
Masonry Infill	5	Jul-15-2022	Jul-21-2022
Above Ceiling Piping	5	Jul-15-2022	Jul-21-2022
Metal Stud Framing	10	Jul-22-2022	Aug-04-2022
Drywall & Tape	10	Aug-05-2022	Aug-18-2022
Painting	15	Aug-19-2022	Sep-08-2022
Unit Ventilators	2	Sep-09-2022	Sep-12-2022
Ceilings	10	Sep-13-2022	Sep-26-2022
Light Fixtures	10	Sep-13-2022	Sep-26-2022
Mechanical Trim	10	Sep-13-2022	Sep-26-2022
Electrical Devices & Trim	5	Sep-27-2022	Oct-03-2022
Casework	5	Sep-27-2022	Oct-03-2022
Markerboards & Tackboards	5	Sep-27-2022	Oct-03-2022
Flooring	15	Oct-04-2022	Oct-24-2022
Doors & Hardware	5	Oct-25-2022	Oct-31-2022
Punchlist Completion	5	Nov-01-2022	Nov-07-2022
Classroom E	54	Nov-15-2022	Jan-27-2023
Demolition	8	Nov-15-2022	Nov-24-2022
Electrical & Technology Rough-ins	5	Nov-25-2022	Dec-01-2022
Window Replacement	3	Nov-25-2022	Nov-29-2022
Painting	15	Dec-02-2022	Dec-22-2022
Electrical Devices & Trim	5	Dec-23-2022	Dec-29-2022
Casework	6	Dec-23-2022	Dec-30-2022
Markerboards & Tackboards	5	Dec-23-2022	Dec-29-2022
Flooring	10	Jan-02-2023	Jan-13-2023
Doors & Hardware	5	Jan-16-2023	Jan-20-2023
Punchlist Completion	5	Jan-23-2023	Jan-27-2023



Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

SKILLMAN

Athletics Renovations 5/22 - 9/22

Athletics Renovations 5/22 - 9/22

Mechanical Renovations 11/21 - 2/22

Science B Renovations 11/21 - 3/22

Science A Renovations 6/21 - 10/21

Shop Renovations 4/22 - 12/22

Music Renovations 6/22 - 10/22

Art Room Renovation 6/22 - 8/22

Athletic Restroom Renovations 6/21 - 8/21

Classroom D Renovations 6/22 - 11/22

Classroom A Renovations 6/21 - 10/21

Classroom D Renovations 6/22 - 11/22

Early Childhood Addition 6/21 - 5/22

Classroom E Renovations 11/22 - 1/23

Classroom C Renovations 3/22 - 6/22

Admin Addition 6/21 - 5/22

Classroom B Renovations 11/21 - 2/22

PH

Addendum 03

Phasing Plan
PH-1

ADDENDUM THREE

Addendum Three (AD.03) to the drawings and specifications prepared by Gibraltar Design and The Skillman Corporation for **Hanover High School Addition and Renovations** for Hanover Community School Corporation, Cedar Lake, Indiana.

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

SPECIFICATIONS

1. Specification Section 04 20 00 Unit Masonry

A. Add new paragraph "2.6.B: Glazed Brick: Provide Glen-Gery Galleria Glazed Series Brick Units at Entry Vestibule A-101 and Lobby A-102

2. Specification Section 07 42 44 Composite Metal Panels

A. Alfrex, FR Metal Composite Material, Buford, GA, is hereby approved to bid Composite Metal Panels for this project. All requirements of the Drawings and Specifications shall be met, including the color selections.

3. Specification Section 08 71 00 Door Hardware

A. Door Hardware Group NO. 43 Add door F-101A

B. Door Hardware Group NO. 44 Add door F-101B

C. Change Door Hardware Group NO. 53 to the following.

HARDWARE GROUP NO. 53

FOR USE ON DOOR #(S):
A-201A

PROVIDE EACH OPENING WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	SURFACE CLOSER	4040XP SCUSH ST-1595	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	RAIN DRIP	142AA	AA	ZER
1	EA	GASKETING	429AA	AA	ZER
1	EA	DOOR SWEEP	8192AA	AA	ZER

4. Specification Section 12 31 13 Metal Casework

A. Add Specification Section 12 31 13, Metal Casework, included in this Addendum, to the Project Manual.

5. Specification Section 12 35 53 Science Laboratory Casework & Equipment

A. Leonard Peterson & Co., Inc., Auburn, AL, is hereby approved to bid Science Laboratory Casework and Equipment for this project. All requirements of the Drawings and Specifications shall be met, including the color selections.

B. Kewaunee Scientific, Statesville, NC, is hereby approved to bid Science Laboratory Casework and Equipment for this project. All requirements of the Drawings and Specifications shall be met, including the color selections.

6. Specification Section 23 25 00 Water Treatment

A. Add Specification Section 23 25 00, Water Treatment in its entirety.

7. Specification Section 23 88 00 Ductwork and Accessories

A. Add paragraph "2.13 Dust Collection Ductwork" to read as follows:

A. Shall be spiral seam, minimum 24gauge round galvanized duct and comply with SMACNA's "HVAC Duct Construction Standards - Metal and Flexible," Figure 3-4, "Round Duct Elbows."

B. Minimum Radius-to-Diameter Ratio and Elbow Segments: Comply with SMACNA's "HVAC Duct Construction Standards - Metal and Flexible," Table 3-1, "Mitered Elbows." Elbows with less than 90-degree change of direction have proportionately fewer segments.

C. 1.5 radius-to-diameter ratio and five segments for 90-degree elbow.

D. Branch connections to main: 45-degree lateral.

DRAWINGS

8. Sheets G-101 and G-102

A. Refer to two (2) revised full size drawings, included in this Addendum, for revisions.

9. Sheet G-201 and G-202

A. Refer to two (2) revised full size drawings, included in this Addendum, for revisions.

10. Sheet S-100

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

1. Identified approximate location of new exterior chillers sitting on concrete pads. Refer to 9/S-401 for concrete pad detail.
2. Identified approximate locations for car lift pits to be infilled. Refer to 8/S-401 for car lift infill detail.
3. Removed steel lintel from restroom wall in Unit G.
4. Added steel lintel for new opening at scene shop in Unit E.

11. Sheet S-203

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

1. Added rooftop unit reference and framing at North end of unit A. G.C. to field verify framing condition as joist reinforcement may be required.
2. Revised the section references at the Northeast corner of Unit A to read section 1/S-411.
3. Revised the section references at the Southeast corner of Unit A to read **NEW**

section 12/S-411.

4. Added section 1/S-412 callout at front entrance canopy in Unit A.
5. Revised/added section callouts at Southwest corner of Unit A.

12. Sheet S-204

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

1. Added rooftop unit reference and framing at the corridor in Unit B. G.C. to field verify framing condition as joist reinforcement may be required.
2. Revised the section references at the Northwest corner of Unit B to read sections 5/S-412 and **NEW** section 6/S-412.
3. Revised the section references at the Southeast corner of Unit B to read sections 5/S-412 and **NEW** section 6/S-412.
4. Revised the section references at the new-to-existing portion of the Unit B addition.
5. Added steel hangers for structural channel support at the Northeast entry of Unit B.
6. Revised Top of Steel elevations at south and east canopies to be +111'-8 ½".
7. Added section marks at south and east canopies.

13. Sheet S-401

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

1. Section 7: Dowel bar embed length into existing concrete was added.
2. Section 8/S-401 was added for car lift pit infill.
3. Section 9S-401 was added for chiller concrete pad.

14. Sheet S-411

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

1. Section 3: Edge angle is now shown turn down to match Sections 1 and 2.
2. Section 4: Fascia/Window support framing was revised to match architectural intent.
3. Section 12/S-411 was added for stud with metal panel finish condition.

15. Sheet S-412

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

1. Section 1: Changed section reference for balance of notes.
2. Sections 2 and 3: Fascia/Window support framing was revised to match architectural intent.
3. Section 4:

a. Added full height stud call-out.
b. Fascia/Window support framing was revised to match architectural intent.

4. Section 5: Revised to reflect EIFS at parapet condition at Unit B.
5. Section 6/S-12 was added for aluminum sun shade support at Unit B.
6. Section 7/S-412 was added for canopy framing at south and east entrances of

Unit B.

7. Section 8/S-412 was added for canopy framing at south entrance of Unit B.

16. Sheet AD101 – AD108

A. Demolitions Plan Notes: Modify Note 46 to say "Demolish existing floor construction back to masonry wall."

17. Sheet A-101, A-102, A-105

A. Refer to three (3) revised full size drawings, included in this Addendum, for revisions.

18. Sheet A-103 – A-108

A. Plan Notes: Modify note 19 to say "New Gas Kiln OFCI, refer to MEP drawings."

19. Sheets A-201 - A-203

A. Refer to three (3) revised full size drawings, included in this Addendum, for revisions.

20. Sheets A-301, A-303 and A-307

A. Refer to three (3) revised full size drawings, included in this Addendum, for revisions.

21. Sheet A-408

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

22. Sheets A-501 and A-502

A. Refer to two (2) revised full size drawings, included in this Addendum, for revisions.

23. Sheet A-602

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

24. Sheet A-701 – A-707

A. Plan Notes: Modify note 11 to say "New Gas Kiln OFCI, refer to MEP drawings."

25. Sheet A-810

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

26. Sheet A-830

A. Elevation Note: Modify note 11 to say "Face Brick Running Bond Color B."

27. Sheet A-904 - A-907

A. Refer to FOUR (4) revised full size drawings, included in this Addendum, for revisions.

28. Sheet MD105

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

1. Removed existing dust collector exhaust ductwork.

29. Sheet MD107

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

1. Removed existing fan coil unit.
2. Added existing fan coil unit to remain.

30. Sheet MV105

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

1. Added new exhaust ductwork for dust collector.

2. Changed VAV E1C ductwork to round and exposed.
3. Changed RT-E2 ductwork to round and exposed.

31. Sheet MV107

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

1. Added transfer air ductwork to G-138, G-140 and G-143.

32. Sheet P-001

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

1. Revised PLUMBING EQUIPMENT AND FIXTURE SCHEDULE.

33. Sheet PD-105

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

1. Revised sheet to show the removal of mop basin in Janitor closet.
2. Revised sheet to show the removal of trench drains in Maintenance.

34. Sheet PD-106

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

1. Revised sheet to show the removal and relocation of the sinks located in foods lab.

35. Sheet P-103

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

1. Revised sheet to show the sanitary serving new sink in CTE CAN Lab C-126.

36. Sheet P-106

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

1. Revised sheet to show sanitary connection to dishwasher in Prep F-122.
2. Revised the location of the existing neutralization basin and associated acid waste piping.

37. Sheet P-113

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

1. Revised sheet to show new sink in CTE CAN Lab C-126
2. Revised sheet to show the new location of existing sinks.

38. Sheet P-115

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

1. Revised sheet to show (2) two new hose bibb's and associated piping in Auto Mech E-116.
2. Revised sheet to show the replacement of trench drains in Auto Mech E-116

39. Sheet P-116

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

1. Revised sheet to show water connection for dishwasher in Prep F-122.

40. Sheet P-501

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

1. Revised riser diagram.

41. Sheet P-502

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

1. Revised riser diagram.

42. Sheet FP-102

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

1. Revised sprinkler head layout in Classroom B-108

43. Sheet FP-105

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

1. Revised sprinkler head layout in Choir E151

44. Sheet E-002

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

1. Remove fire alarm note from "EX" Symbol.

45. Sheet ED-102

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

1. Added demo devices to Classroom B-108.

46. Sheet ED-105

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

1. Add existing air compressor in Mezzanine to be relocated.
2. Add sheet note #7.
3. Clarified panel names.

47. Sheet ED-106

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

1. Clarified panel names.

48. Sheet EL-102

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

1. Revised lighting fixture locations and controls in Vest B-132 and Lobby B-133.
2. Added new devices to Classroom B-108.

49. Sheet EL-103

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

1. Identify additional UL924 device locations.

50. Sheet EL-104

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

1. Identify additional UL924 Device Locations.

51. Sheet EL-105

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

1. I Revised fixture types and layouts in Pass E-135, Band E-139, Choir E151, Storage

E-153, and Scene Shop E-157.

52. Sheet EL-106

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Identify additional UL 924 Device Locations.
   2. Revised fixture location in Toilet F-112.

53. Sheet EL-107

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Add EM Lighting scope in Gymnasium
   2. Identify additional UL924 device locations.
   3. Add CA fixture to Cheer Lkr. G-143.

54. Sheet EL-110

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Existing Exit Signs shown being replaced with new.

55. Sheet EP-102

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Clarified panel names.

56. Sheet EP-103

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Add sheet note #1.

57. Sheet EP-105

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Add relocated existing air compressor in Auto Mech E-116.
   2. Add sheet note #8 and #9.
   3. Clarified panel names.

58. Sheet EP-106

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Clarified panel names.

59. Sheet E-501

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Clarified panel equipment Tags.

60. Sheet E-503

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Remove Daylight Harvesting reference from detail.

61. Sheet E-603

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Add EM Circuits for Auditorium EM Lighting.

62. Sheet E-604

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

1. Add panel schedules EM-H and SB-H.

63. Sheet T-002

A. Refer to revised full size drawing, included in this Addendum, for added Symbol for existing cameras.

64. Sheet TS-701

A. Add new full size drawing, included in this Addendum, to the Project Documents.

65. Sheet TD-100

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

1. Added Demolition Note #11.
2. Changed Title of Existing Plan Notes.

66. Sheet TD-101

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

1. Added Demolition Note # 11.
2. Added Demo key notes to plan.
3. Removed key notes from plan.

67. Sheet TD-104

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

1. Added Demolition Note # 11.
2. Added and removed Demo key notes to plan.

68. Sheet TD-106 – TD-108, and TD-110

A. Refer to four (4) full size drawings, included in this Addendum, for the following revisions:

1. Added Demolition Note # 11.
2. Removed Demo key notes to plan.

69. Sheets T-101 and T-102

A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revision:

1. Change Plan Note 2 to read “Not Used”.

70. Sheet T-103

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

1. Note 5 removed in some locations.
2. Removed Camera location.
3. Change Plan Note 2 to read “Not Used”.

71. Sheet T-104

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

1. Removed Note 5 in some locations.

72. Sheets T-106 and T-107

A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revisions:

1. Change Plan Note 2 to read "Not Used".

73. Sheet T-761

1. Refer to revised full size drawing, included in this Addendum, for added Projector Mounting Details and Rough-In.

Pages 1 through 9, inclusive, Specification Sections 12 31 13, Metal Casework, 23 25 00, Water Treatment, and seventy-nine (79) Full-Size Drawings, constitute the total makeup of **Addendum One**.

GIBRALTAR DESIGN

Y:\20-144 Hanover CSC - High School Addition and Renovations\Specs\Addendum Three\AD03.doc

SECTION 12 31 13
METAL CASEWORK

1 General

1.1 Section Includes

A. Metal cabinets, bases, and Countertops.

1.2 Related Sections

A. Section 09 65 13 - Resilient Flooring: Vinyl base.

B. Division 26 - Electrical service fittings.

1.3 References

A. ASTM A167 - Stainless and Heat-Resisting Chromium Steel Plate, Sheet, and Strip.

B. ASTM A446 - Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Structural (Physical) Quality.

C. NEMA LD3 - High Pressure Decorative Laminates.

1.4 Submittals

A. Submit shop drawings and product data under provisions of Division 1.

1. Include component dimensions, configurations, elevations, construction details, joint details, attachments and bulkhead dimensions (length, depth, height above floor).

B. Submit samples under provisions of Division 1.

1.5 Delivery, Storage, And Handling

A. Deliver products to site and store products on site under provisions of Division 1.

B. Do not deliver casework to site until destination space is ready to receive it.

C. Coordinate size of access and route to place of installation.

2 Products

2.1 Metal Casework - Acceptable Manufacturers

A. Stonecreek Interior Systems, Grand Rapids, Michigan.

B. Kewaunee Scientific Equipment Corporation, Statesville, North Carolina.

C. BMC Manufacturing, Spartanburg, South Carolina.

2.2 Materials

A. Sheet Steel: ASTM A446; stretcher-leveled prime grade furniture steel; 1.25 ounce per square foot galvanized coating.

B. Stainless Steel: ASTM A167, Type 304, commercial grade.

C. Plastic Laminate: NEMA LD3; 0.050 inch thick; undecorated plastic laminate.

D. Laminate Backing Sheet: NEMA LD3; BK20 backing grade, undecorated plastic laminate.

E. Finish Hardware: Manufacturer's standard.

2.3 Hardware

A. Shelf Clips: Die formed steel, zinc plated.

B. Pulls, Swinging Door and Drawer: Extruded aluminum, clear anodized finish.

C. Pulls, Sliding Door, Framed and Solid: Stainless steel.

D. Cabinet Locks: Eight tumbler, heavy duty cylinder type, satin nickel nose.

E. Friction Catch: Nylon roller type, adjustable, with strike.

F. Drawer Slides: Full extension suspension, with nylon ball bearing rollers, able to lock open and automatically close last 5 inches.

G. Hinges: 2 1/2 inch, five-knuckle, satin chrome plated, screw attachment.

1. Welded hinges not acceptable.

2.4 Fabrication - General

A. Die form, notch, and assemble members in fixtures.

1. Grind and polish smooth exposed welds.

2. Fabricate face corner intersections of vertical and horizontal members in the same plane with joints welded, ground smooth, and polished.

3. Hem front and exposed side edges of stainless steel countertops with a return of 1 inch.

4. Fabricate doors and drawer heads in the same plane and in such a way that they become the exposed face of the cabinet concealing horizontal and vertical members of cabinet body.

B. Size components as follows.

1. Drawers, Shelves, Interior Door Panels, Security Panels, and Sloping Tops: 20 gage.

2. Ends, Backs, Case Tops and Bottoms, Bases, Exterior Door Panels, and Vertical Posts: 18 gage.

3. Top Front and Intermediate Rails, Gussets, Table Legs, Frames, Leg Rails, and Stretchers: 16 gage.

4. Drawer Suspensions, Door and Case Hinge Reinforcements, and L-Shaped Front Corner Gussets: 14 gage.

5. Table Leg Corner Brackets and Leveler Gusset: 11 gage.

C. Wall Cabinets, 24 Inches and 30 Inches High: Fabricate in one piece, wrap around design, with rear internal reinforcing channels containing shelf clip and adjustment holes on 1 inch centers.

1. Fabricate bottoms in one piece, turned up back and sides, with the front to fit door configuration and type.

2. Install front center mullion post with flanges wrapped around a closure channel with slots for shelf support clips on back side.

D. Base Cabinets: Fabricate base cabinets with drawers and hinged doors interchangeable in the field without use of special tools.

1. Construct 3 foot and 4 foot base cabinets to open full width.

2. Center support posts are not approved.

3. Construct end panels and back in one piece, wrap around design, with rear internal reinforcing channels containing shelf clip adjustment holes on 1 inch centers.

4. Fabricate front posts to provide for rails, runs, hinges, and shelf clips.

5. Install toe base structurally integral with cabinet body.

6. Install solid backs, welded, recessed 3/4 inch for mounting on full height cases.

7. Fabricate top rail with rabbeted offset for dust resistance.

8. Interlock and overlap end panels with top rail.

9. Recess and conceal horizontal intermediate crossrails required for locks.

10. Support floor mounted cabinets on four leveling screws adjustable from access in toe space.

11. Fabricate solid panel bottoms, one piece construction with front formed for door and drawer dust resistance.

E. Doors: Construct doors a minimum thickness of 5/8 inch.

1. Fabricate solid panel doors structurally rigid with hat channel reinforcement and fill with sound deadening material.

2. Protect inner and outer heads of doors from corrosion.

3. Construct framed glazed doors with glass set in plastic molding.

4. Screw interior frame members in place and weld corners of solid exterior frame.

5. Equip each door with stainproof rubber bumpers.

F. Drawers: Fabricate drawer bodies of one piece construction with cove at bottom perimeter and flange at top sides for hand grip.

1. Construct drawer heads 5/8 inch thick, fill with sound deadening material, and finish all surfaces before assembly.

2. Provide suspension with rounded raceways, radiused, nylon tired, ball bearing rollers for self centering operation, lock open and automatic close features, and cushioned stop, in and out.

3. Friction centering springs not acceptable.

G. Shelves: Fabricate fixed and adjustable shelves with edges turned down 1 inch and back 5/8 inch.

1. Weld fixed metal shelves in place.

2. Equip cupboard base cabinets with one sliding shelf on roller type slides as specified for drawers.

H. Provide trim, scribe, strips, and fillers of same material and finish as casework for metal casework and equipment throughout this project as conditions require for recessed work and for proper fitting of work.

1. Use metal shims where casework needs shimming.

I. Table Frames: Form table frames into "C" channel shape 4 1/2 inches high.

1. Where drawers are specified, provide standard drawer as specified above with drawer suspensions mounted in table frame.

J. Table Legs: Provide 2 inch square metal legs with recessed flanged leveling bolt and coved rubber leg shoe.

1. Attach leg to apron with welded corner bracket using two bolts per leg corner.

2. Supply channel formed leg rails and stretchers where specified.

2.5 Finishes

A. Metal (Except Stainless Steel): Degrease and phosphate etch followed by primer and minimum two coats factory baked epoxy (or electrostatic enamel); color as selected.

B. Stainless Steel: No. 4 finish.

C. Shop prefinish all components.

3 Execution

3.1 Inspection

A. Verify adequacy of backing and support framing.

B. Obtain dimensions affecting work of this Section from site.

C. Beginning of installation means acceptance of existing conditions.

3.2 Installation

A. Use anchoring devices for materials encountered and usage expected.

B. Install items in accordance with manufacturer's instructions.

C. Set casework items plumb, square, and true, securely anchored to building structure.

D. Insulate to prevent electrolysis between dissimilar metals.

E. Scribe to abutting surfaces; set level and rigid, and align adjoining pieces of equipment.

1. Apply matching filler pieces where equipment abuts walls and columns; and where equipment is to be closed off.

F. Weld joints in stainless steel work tight, without open seams, where necessary due to limitations of sheet sizes or installation requirements.

G. Close ends of units, splash aprons, shelves, and bases by sealing or welding end plates.

H. Sequence installation and erection to ensure mechanical and electrical connections are achieved in an orderly and expeditious manner.

I. Cut, fit, and patch where necessary.

1. Coordinate work with others.

3.3 Adjusting And Cleaning

A. Adjust doors, drawers, hardware, fixtures, and other moving or operating parts to function smoothly and correctly.

B. Clean casework, counters, shelves, glass, legs, hardware, fittings, and fixtures.

3.4 Metal Casework Schedule

A. Refer to drawings for Metal Casework Schedule.

END OF SECTION

DIVISION 23 – MECHANICAL
Section 23 25 00 – Water Treatment

1.00 PART 1 – GENERAL

1.01 RELATED DOCUMENTS:

A. Conform to applicable provisions of Section 23 05 00.

1.02 DESCRIPTION OF WORK:

A. The work under this Section shall include labor, services, materials and equipment and performance of work necessary for the installation of water treatment system as herein specified and subject to the terms and the conditions of the Contract Documents.

1.03 QUALITY ASSURANCE:

A. Qualifications: The contractor, for work under this Section, shall have:

1. Research and development facilities.

2. Regional laboratories capable of making water analysis.

3. A service department and qualified technical service representatives located within a reasonable distance of the project site.

4. Service representatives who are Registered Engineers or factory-certified technicians with not less than five (5) years of water treatment experience with the water treatment system manufacturer.

B. Packaging and Labeling: Supply water treatment chemicals in metal drums, fiber drums with plastic liners or plastic-lined "liquipaks" as best suited to the materials. Paper bags or unlined cardboard cartons will not be acceptable. Use only chemicals which are registered with the U. S. Department of Agriculture (USDA) or the U. S. Environmental Protection Agency (EPA) and which are labeled as required by law.

C. Electrical Standards: Provide electrical products which have been tested, listed, and labeled by Underwriters' Laboratories (UL) and which comply with National Electrical Manufacturers' Association (NEMA) Standards.

D. Chemical Standards: Provide chemical products acceptable under State, federal and local pollution control, or other governing regulations.

E. FDA and USDA Approval: Use only FDA and USDA approved products in systems with direct connection to domestic water systems.

1.04 SHOP DRAWING SUBMITTALS:

A. Submittals shall be required for the following items and for additional items where required for a complete and operational system:

1. Closed System Chemical Treatment Product Data

2. Closed System Filter System

3. Owner Testing Equipment

4. Service Inspection Reports.

2.00 PART 2 – PRODUCTS

2.01 MANUFACTURERS:

A. Water treatment system shall be as manufactured by IWM Corp., PCS Industries, Water Science, Mitco, H-O-H Chemicals, Nalco, or Mogul.

2.02 CLOSED SYSTEMS - CHEMICAL TREATMENT:

A. Feeding Equipment: Furnish and install by-pass feeder type system consisting of cast iron body shot feeder (2.0 gallon for systems up to 2000 gallons and 5.0 gallon for over 2000 gallons), funnel (or wide mouth with 1/4 turn cap), funnel valve, air cock and drain valve. Feeders (one per system) shall be installed between the suction and discharge side of the primary circulating pumps in the hot and chilled water systems. Feeder lead-in line shall be in discharge side of pump.

B. Chemicals: Chemical treatment shall consist of a non-chromate corrosion inhibitor for the protection of both ferrous and non-ferrous metals. Inhibitor shall be harmless to non-metallic materials. The quantity of inhibitor furnished shall be that needed for the initial filling of the system plus 25% of that amount.

2.03 CLOSED SYSTEM FILTER SYSTEM:

A. Contractor shall provide a filter system as manufactured by Filter Rite or equal.

B. Filter system shall be constructed of cast iron head and carbon steel shell. Filter system shall be rated for 175 psig operating pressure @ 200° F. with a liquid flow rate of up to 30 gpm maximum.

C. Filter system shall have 3/4" inlet and discharge carbon steel connections, ethylene propylene shell-o-rings, teflon nut-o-rings, mounting brackets and 20" long filter housing.

D. Filter media shall be replaceable cartridge type for operating temperatures of 300° F. minimum, have a stainless steel core and have a core covered final filter. Filter media shall be compatible with hot water heating system.

2.04 TEST EQUIPMENT:

A. Provide a metal test cabinet with lock and acid resistant enamel finish, suitable for wall mounting. Cabinet shall be equipped with titration test sets for determination of alkalinities, hardness, and chlorides. Titration sets shall be equipped with 10 ml burettes and 16 ounce squeeze type polyethylene reagent bottles. Cabinet shall also be equipped with Taylor comparator sets for the determination of phosphate and pH; drop type test sets for the determination of the inhibitor level in the closed recirculating system and triple-range conductivity test set.

3.00 PART 3 – EXECUTION

3.01 INSTALLATION:

A. Water Analysis: Determine which chemicals to use from the results of a water sample analysis taken from the building site by the system manufacturer. Provide ingredients necessary to control corrosion.

3.02 CLOSED SYSTEMS - CHEMICAL CLEANING:

A. Furnish chemical cleaning to remove grease, dirt, oil, and metallic oxides from each piping system. The cleaning agent shall be non-foaming and shall provide for complete wetting of metal surfaces, lifting and dispersion of organic soil and chelation of alkaline earth metals and metal oxides. Cleaning to be done under supervision of chemical treatment supplier and per manufacturer's recommended cleaning procedures.

B. Immediately following cleaning and upon certification thereof, each system shall be chemically treated as provided elsewhere in these specifications.

3.03 CLOSED SYSTEMS - CHEMICAL TREATMENT:

A. Mechanical contractor to provide required labor and material to support and pipe pot feeder and valves supplied by Water Treatment Manufacturer under these specifications. Installation to be per manufacturer's recommendations.

3.04 SUPERVISION AND SERVICE:

A. Provide supervision and service for phases of water treatment as follows:

1. Field supervision for the installation of equipment systems and for the initial charging of each system with chemicals.

2. Complete start-up service to acquaint Owner's operating personnel with the operation and adjustment of each equipment system, care and handling of treatment chemicals and water test control procedures.

3. Continuing service on the basis of at least one (1) call every 30 days; such service to be provided for a period of one (1) year.

4. Complete water analysis to be conducted on the Owner's premises at the time of each service call with a written report of the findings to be left with the Owner and a copy of such report to be forwarded to the Architect.

END OF SECTION 23 25 00

PROJECT:

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

100% CONSTRUCTION DOCUMENTS
03/29/2021

VOLUME 1

G GENERAL

G-101 COVER – SHEET INDEX
G-201 FIRST FLOOR LIFE SAFETY PLAN AD-3
G-202 SECOND FLOOR LIFE SAFETY PLAN AD-3
G-301 TYPICAL ACCESSIBLE MOUNTING HEIGHTS, ABBREVIATIONS, SYMBOLOGY, AND LEGEND

C CIVIL

C1.0 EXISTING TOPOGRAPHY & UTILITIES
C1.1 DEMOLITION PLAN
C2.0 OVERALL SITE PLAN
C2.1 SITE PLAN
C3.1 SANITARY SEWER AND WATER MAIN PLAN
C3.2 STORM SEWER AND GRADING PLAN

C4.0 DETAILS & SPECIFICATIONS
C4.1 DETAILS & SPECIFICATIONS

C5.0 STORM WATER POLLUTION PREVENTION PLAN – CONSTRUCTION
C5.1 STORM WATER POLLUTION PREVENTION PLAN – CONSTRUCTION

C6.0 STORM WATER POLUTION PREVENTION PLAN DETAILS
C6.1 STORM WATER POLUTION PREVENTION PLAN DETAILS

S STRUCTURAL

S-001 STRUCTURAL NOTES

S-100 OVERALL BUILDING – GENERAL STRUCTURAL PLAN

S-201 UNIT A FOUNDATION PLAN
S-202 UNIT B FOUNDATION PLAN
S-203 UNIT A FRAMING PLAN
S-204 UNIT B FRAMING PLAN

S-400 FOUNDATION SECTIONS & DETAILS
S-401 FOUNDATION SECTIONS & DETAILS
S-410 TYPICAL FRAMING SECTIONS & DETAILS
S-411 FRAMING/STRUCTURAL DETAILS
S-412 FRAMING/STRUCTURAL DETAILS
S-420 TYPICAL MASONRY SECTIONS & DETAILS

A ARCHITECTURAL

AD101 UNIT "A" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD102 UNIT "B" ARCHITECTURAL FIRST FLOOR AND ALTERNATE DEMOLITION PLAN
AD103 UNIT "C" ARCHITECTURAL FIRST FLOOR AND ALTERNATE DEMOLITION PLAN
AD104 UNIT "D" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD105 UNIT "E" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD106 UNIT "F" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD107 UNIT "G" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD108 UNIT "E" ARCHITECTURAL SECOND FLOOR DEMOLITION PLAN

A-101 UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN
A-102 UNIT "B" ARCHITECTURAL FIRST FLOOR AND ALTERNATE PLAN
A-103 UNIT "C" ARCHITECTURAL FIRST FLOOR AND ALTERNATE PLAN
A-104 UNIT "D" ARCHITECTURAL FIRST FLOOR PLAN
A-105 UNIT "E" ARCHITECTURAL FIRST FLOOR PLAN
A-106 UNIT "F" ARCHITECTURAL FIRST FLOOR PLAN
A-107 UNIT "G" ARCHITECTURAL FIRST FLOOR PLAN
A-108 UNIT "E" ARCHITECTURAL SECOND FLOOR PLAN
A-110 PLAN DETAILS
A-111 PLAN DETAILS

A-201 OVERALL ARCHITECTURAL ROOF PLAN
A-202 PARTIAL UNITS "A" & "B" ENLARGED ROOF PLANS
A-203 PARTIAL UNITS "F" & "G" ENLARGED ROOF PLANS
A-210 ROOF DETAILS
A-211 ROOF DETAILS
A-212 ROOF DETAILS

A-301 EXTERIOR ELEVATIONS
A-302 EXTERIOR ELEVATIONS
A-303 EXTERIOR ELEVATIONS
A-304 EXTERIOR ELEVATIONS
A-305 EXTERIOR ELEVATIONS
A-306 EXTERIOR ELEVATIONS
A-307 EXTERIOR ELEVATIONS

A-401 WALL SECTIONS
A-402 WALL SECTIONS
A-403 WALL SECTIONS
A-404 WALL SECTIONS
A-405 WALL SECTIONS
A-406 WALL SECTIONS
A-407 WALL SECTIONS
A-408 WALL SECTIONS

A-501 TYPICAL DETAILS AD-2
A-502 SECTION DETAILS
A-503 SIGN PLAN, ELEVATION AND SECTIONS

A-601 DOOR AND FRAME SCHEDULE
A-602 DOOR AND FRAME SCHEDULE, PROFILES, ELEVATIONS & DETAILS
A-610 STOREFRONT ELEVATIONS
A-611 STOREFRONT ELEVATIONS & DETAILS

A-701 UNIT "A" FIRST FLOOR EQUIPMENT PLAN
A-702 UNIT "B" FIRST FLOOR AND ALTERNATE EQUIPMENT PLAN
A-703 UNIT "C" FIRST FLOOR AND ALTERNATE EQUIPMENT PLAN
A-704 UNIT "D" FIRST FLOOR EQUIPMENT PLAN
A-705 UNIT "E" FIRST FLOOR EQUIPMENT PLAN
A-706 UNIT "F" FIRST FLOOR EQUIPMENT PLAN
A-707 UNIT "G" FIRST FLOOR EQUIPMENT PLAN
A-710 ENLARGED RESTROOM PLANS AND DETAILS
A-720 CASEWORK SCHEDULE AND ELEVATIONS
A-721 METAL CASEWORK AND ALTERNATE CASEWORK SCHEDULE AND ELEVATIONS
A-722 MUSIC EQUIPMENT STORAGE
A-723 SCIENCE CASEWORK SCHEDULE, ELEVATIONS AND DETAILS
A-724 SCIENCE CASEWORK SCHEDULE, ELEVATIONS AND DETAILS
A-725 MILLWORK ENLARGED PLANS, ELEVATIONS AND SECTIONS

A-801 UNIT "A" FIRST FLOOR FINISH PLAN AND ELEVATION
A-802 UNIT "B" FIRST FLOOR AND ALTERNATE FINISH PLAN
A-803 UNIT "C" FIRST FLOOR AND ALTERNATE FINISH PLAN
A-804 UNIT "D" FIRST FLOOR FINISH PLAN
A-805 UNIT "E" FIRST FLOOR FINISH PLAN
A-806 UNIT "F" FIRST FLOOR FINISH PLAN
A-807 UNIT "G" FIRST FLOOR FINISH PLAN
A-808 UNIT "H" FIRST FLOOR FINISH PLAN
A-810 FINISH LEGEND

A-821 UNIT "A" FIRST FLOOR PATTERN PLAN
A-822 UNIT "B" FIRST FLOOR AND ALTERNATE PATTERN PLAN
A-823 UNIT "C" FIRST FLOOR AND ALTERNATE PATTERN PLAN
A-824 UNIT "D" FIRST FLOOR PATTERN PLAN
A-825 UNIT "E" FIRST FLOOR PATTERN PLAN
A-826 UNIT "F" FIRST FLOOR PATTERN PLAN
A-827 UNIT "G" FIRST FLOOR PATTERN PLAN
A-828 UNIT "H" FIRST FLOOR PATTERN PLAN

A-830 INTERIOR ELEVATIONS
A-831 INTERIOR ELEVATIONS
A-832 INTERIOR ELEVATIONS
A-833 INTERIOR ELEVATIONS

A-901 UNIT "A" FIRST FLOOR REFLECTED CEILING PLAN
A-902 UNIT "B" FIRST FLOOR AND ALTERNATE REFLECTED CEILING PLAN
A-903 UNIT "C" FIRST FLOOR AND ALTERNATE REFLECTED CEILING PLAN
A-904 UNIT "D" FIRST FLOOR REFLECTED CEILING PLAN
A-905 UNIT "E" FIRST FLOOR REFLECTED CEILING PLAN
A-906 UNIT "F" FIRST FLOOR REFLECTED CEILING PLAN
A-907 UNIT "G" FIRST FLOOR REFLECTED CEILING PLAN

VOLUME 2

G GENERAL

M-102 COVER – SHEET INDEX

M MECHANICAL

M-001 MECHANICAL NOTES, SYMBOLS & ABBREVIATIONS

MD101 UNIT 'A' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD102 UNIT 'B' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD103 UNIT 'C' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD104 UNIT 'D' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD105 UNIT 'E' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD106 UNIT 'F' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD107 UNIT 'G' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD108 UNIT 'H' MECHANICAL FIRST FLOOR DEMOLITION PLAN

MV101 UNIT 'A' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV102 UNIT 'B' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV103 UNIT 'C' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV104 UNIT 'D' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV105 UNIT 'E' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV105A UNIT 'E' MECHANICAL VENTILATION FIRST FLOOR PLAN–ALTERNATE
MV106 UNIT 'F' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV107 UNIT 'G' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV108 UNIT 'H' MECHANICAL VENTILATION FIRST FLOOR PLAN

MP101 UNIT 'A' MECHANICAL PIPING FIRST FLOOR PLAN
MP101A UNIT 'A' MECHANICAL PIPING FIRST FLOOR PLAN – ALTERNATE
MP102 UNIT 'B' MECHANICAL PIPING FIRST FLOOR PLAN
MP102A UNIT 'B' MECHANICAL PIPING FIRST FLOOR PLAN – ALTERNATE
MP103 UNIT 'C' MECHANICAL PIPING FIRST FLOOR PLAN
MP104 UNIT 'D' MECHANICAL PIPING FIRST FLOOR PLAN
MP105 UNIT 'E' MECHANICAL PIPING FIRST FLOOR PLAN AD-2
MP106 UNIT 'F' MECHANICAL PIPING FIRST FLOOR PLAN
MP106A UNIT 'F' MECHANICAL PIPING FIRST FLOOR PLAN – ALTERNATE
MP107 UNIT 'G' MECHANICAL PIPING FIRST FLOOR PLAN
MP107A UNIT 'G' MECHANICAL PIPING FIRST FLOOR PLAN – ALTERNATE
MP108 UNIT 'H' MECHANICAL PIPING FIRST FLOOR PLAN

M-201 UNIT "A" MECHANICAL HVAC ROOF PLAN
M-202 UNIT "B" MECHANICAL HVAC ROOF PLAN
M-203 UNIT "C" MECHANICAL HVAC ROOF PLAN
M-204 UNIT "D" MECHANICAL HVAC ROOF PLAN
M-205 UNIT "E" MECHANICAL HVAC ROOF PLAN
M-206 UNIT "F" MECHANICAL HVAC ROOF PLAN
M-207 UNIT "G" MECHANICAL HVAC ROOF PLAN

MD301 ENLARGED UNIT 'F' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MP301 ENLARGED UNIT 'F' MECHANICAL PIPING FIRST FLOOR PLAN

M-501 MECHANICAL DETAILS & DIAGRAMS

M-601 MECHANICAL SCHEDULES
M-602 MECHANICAL SCHEDULES

P PLUMBING

P-001 PLUMBING SCHEDULE, NOTES, SYMBOLS & ABBREVIATIONS

PD101 UNIT 'A' PLUMBING DEMOLITION PLAN
PD103 UNIT 'C' PLUMBING DEMOLITION PLAN
PD104 UNIT 'D' PLUMBING DEMOLITION PLAN
PD105 UNIT 'E' PLUMBING DEMOLITION PLAN
PD106 UNIT 'F' PLUMBING DEMOLITION PLAN
PD107 UNIT 'G' PLUMBING UNDERFLOOR DEMOLITION PLAN

P-101 UNIT 'A' PLUMBING UNDERFLOOR PLAN
P-102 UNIT 'B' PLUMBING UNDERFLOOR PLAN
P-103 UNIT 'C' PLUMBING UNDERFLOOR PLAN
P-104 UNIT 'D' PLUMBING UNDERFLOOR PLAN
P-105 UNIT 'E' PLUMBING UNDERFLOOR PLAN
P-106 UNIT 'F' PLUMBING UNDERFLOOR PLAN
P-107 UNIT 'G' PLUMBING UNDERFLOOR PLAN
P-111 UNIT 'A' PLUMBING FIRST FLOOR PLAN
P-112 UNIT 'B' PLUMBING FIRST FLOOR PLAN
P-113 UNIT 'C' PLUMBING FIRST FLOOR PLAN
P-114 UNIT 'D' PLUMBING FIRST FLOOR PLAN
P-115 UNIT 'E' PLUMBING FIRST FLOOR PLAN
P-116 UNIT 'F' PLUMBING FIRST FLOOR PLAN
P-117 UNIT 'G' PLUMBING FIRST FLOOR PLAN

P-201 UNIT "A" PLUMBING ROOF PLAN
P-202 UNIT "B" PLUMBING ROOF PLAN

P-501 SANITARY RISER DIAGRAMS
P-502 WATER RISER DIAGRAMS

FP FIRE PROTECTION

FP-001 FIRE PROTECTION NOTES, SYMBOLS & ABBREVIATIONS

FPD101 UNIT "A" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD102 UNIT "B" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD103 UNIT "C" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD104 UNIT "D" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD105 UNIT "E" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD106 UNIT "F" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD107 UNIT "G" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN

FP-101 UNIT "A" FIRE PROTECTION FIRST FLOOR PLAN
FP-102 UNIT "B" FIRE PROTECTION FIRST FLOOR PLAN
FP-103 UNIT "C" FIRE PROTECTION FIRST FLOOR PLAN
FP-104 UNIT "D" FIRE PROTECTION FIRST FLOOR PLAN
FP-105 UNIT "E" FIRE PROTECTION FIRST FLOOR PLAN
FP-106 UNIT "F" FIRE PROTECTION FIRST FLOOR PLAN
FP-107 UNIT "G" FIRE PROTECTION FIRST FLOOR PLAN

E ELECTRICAL

E-001 ELECTRICAL SITE PLAN
E-002 ELECTRICAL SYMBOLS & ABBREVIATIONS
E-003 ELECTRICAL NOTES

ED101 UNIT 'A' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED102 UNIT 'B' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED103 UNIT 'C' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED104 UNIT 'D' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED105 UNIT 'E' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED106 UNIT 'F' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED107 UNIT 'G' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED108 UNIT 'H' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED109 UNIT 'J' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED110 UNIT 'K' ELECTRICAL FIRST FLOOR DEMOLITION PLAN

EL101 UNIT 'A' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL102 UNIT 'B' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL103 UNIT 'C' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL104 UNIT 'D' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL105 UNIT 'E' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL106 UNIT 'F' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL107 UNIT 'G' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL108 UNIT 'H' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL109 UNIT 'J' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL110 UNIT 'K' ELECTRICAL LIGHTING FIRST FLOOR PLAN

EP101 UNIT 'A' ELECTRICAL POWER FIRST FLOOR PLAN
EP102 UNIT 'B' ELECTRICAL POWER FIRST FLOOR PLAN
EP103 UNIT 'C' ELECTRICAL POWER FIRST FLOOR PLAN
EP104 UNIT 'D' ELECTRICAL POWER FIRST FLOOR PLAN
EP105 UNIT 'E' ELECTRICAL POWER FIRST FLOOR PLAN
EP106 UNIT 'F' ELECTRICAL POWER FIRST FLOOR PLAN
EP107 UNIT 'G' ELECTRICAL POWER FIRST FLOOR PLAN

EP201 UNIT "A" ELECTRICAL POWER ROOF PLAN
EP202 UNIT "B" ELECTRICAL POWER ROOF PLAN
EP203 UNIT "C" ELECTRICAL POWER ROOF PLAN
EP204 UNIT "D" ELECTRICAL POWER ROOF PLAN
EP205 UNIT "E" ELECTRICAL POWER ROOF PLAN
EP206 UNIT "F" ELECTRICAL POWER ROOF PLAN
EP207 UNIT "G" ELECTRICAL POWER ROOF PLAN

E-501 ELECTRICAL ONE-LINE DIAGRAM
E-502 ELECTRICAL DETAILS & DIAGRAMS
E-503 ELECTRICAL DETAILS & DIAGRAMS

E-601 ELECTRICAL SCHEDULES
E-602 ELECTRICAL SCHEDULES
E-603 ELECTRICAL SCHEDULES
E-604 ELECTRICAL SCHEDULES

T TELECOMMUNICATIONS

T-001 TELECOMMUNICATIONS LEGEND
T-002 TELECOMMUNICATIONS LEGEND

T-701 TELECOMMUNICATIONS SITE DETAILS AD-3

TD-100 TELECOMMUNICATIONS OVERALL BUILDING DEMO PLAN
TD-101 TELECOMMUNICATIONS DEMO PLAN – UNIT A
TD-102 TELECOMMUNICATIONS DEMO PLAN – UNIT B
TD-103 TELECOMMUNICATIONS DEMO PLAN – UNIT C
TD-104 TELECOMMUNICATIONS DEMO PLAN – UNIT D
TD-105 TELECOMMUNICATIONS DEMO PLAN – UNIT E
TD-106 TELECOMMUNICATIONS DEMO PLAN – UNIT F
TD-107 TELECOMMUNICATIONS DEMO PLAN – UNIT G
TD-108 TELECOMMUNICATIONS DEMO PLAN – UNIT H
TD-109 TELECOMMUNICATIONS DEMO PLAN – UNIT J
TD-110 TELECOMMUNICATIONS DEMO PLAN – UNIT K

T-100 TELECOMMUNICATIONS OVERALL BUILDING PLAN
T-101 TELECOMMUNICATIONS PLAN – UNIT A
T-102 TELECOMMUNICATIONS PLAN – UNIT B
T-103 TELECOMMUNICATIONS PLAN – UNIT C
T-104 TELECOMMUNICATIONS PLAN – UNIT D
T-105 TELECOMMUNICATIONS PLAN – UNIT E
T-106 TELECOMMUNICATIONS PLAN – UNIT F
T-107 TELECOMMUNICATIONS PLAN – UNIT G
T-108 TELECOMMUNICATIONS PLAN – UNIT H
T-109 TELECOMMUNICATIONS PLAN – UNIT J
T-110 TELECOMMUNICATIONS PLAN – UNIT K
T-111 TELECOMMUNICATIONS ALTERNATE PLAN – UNIT B & C

T-401 TELECOMMUNICATIONS ENLARGED PLAN – A-148
T-402 TELECOMMUNICATIONS ENLARGED PLAN – B-136
T-403 TELECOMMUNICATIONS ENLARGED PLAN – C-104
T-404 TELECOMMUNICATIONS ENLARGED PLAN – C-109
T-405 TELECOMMUNICATIONS ENLARGED PLAN – E-153
T-406 TELECOMMUNICATIONS ENLARGED PLAN – F-111
T-407 TELECOMMUNICATIONS ENLARGED PLAN – F-121
T-408 TELECOMMUNICATIONS ENLARGED PLAN – TC8

T-501 FACEPLATES

T-601 GROUNDING DIAGRAM

T-701 TELECOM DEVICE SYSTEMS ROUGH-IN
T-761 A/V SYSTEMS ROUGH-IN
T-781 SECURITY SYSTEMS ROUGH-IN

GIBRALTAR
DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

ARCHITECT OF RECORD	ENGINEER OF RECORD	ENGINEER OF RECORD	ENGINEER OF RECORD	ENGINEER OF RECORD
MICHAEL L. ROSILLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT	DONALD C. TORRENCE REGISTERED No. 19868 STATE OF INDIANA PROFESSIONAL ENGINEER	SCOTT A. CLODE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER	DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER	REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER BICSI Brian K Scott BICSI ID # 114038 EXPIRES 12-31-21

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY DBu PD
CHECKED BY DBI DBu

MICHAEL L. ROSILLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
COVER-SHEET INDEX

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
G-101

Friday, 4/23/2021 – 8:35 AM – LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC – HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\02 GENR\G-101.DWG

PROJECT:

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

100% CONSTRUCTION DOCUMENTS
03/29/2021

VOLUME 1

G GENERAL

G-101 COVER – SHEET INDEX
G-201 FIRST FLOOR LIFE SAFETY PLAN
G-202 SECOND FLOOR LIFE SAFETY PLAN — AD-3
G-301 TYPICAL ACCESSIBLE MOUNTING HEIGHTS, ABBREVIATIONS, SYMBOLOGY, AND LEGEND

C CIVIL

C1.0 EXISTING TOPOGRAPHY & UTILITIES
C1.1 DEMOLITION PLAN
C2.0 OVERALL SITE PLAN
C2.1 SITE PLAN
C3.1 SANITARY SEWER AND WATER MAIN PLAN
C3.2 STORM SEWER AND GRADING PLAN

C4.0 DETAILS & SPECIFICATIONS
C4.1 DETAILS & SPECIFICATIONS

C5.0 STORM WATER POLLUTION PREVENTION PLAN – CONSTRUCTION
C5.1 STORM WATER POLLUTION PREVENTION PLAN – CONSTRUCTION

C6.0 STORM WATER POLUTION PREVENTION PLAN DETAILS
C6.1 STORM WATER POLUTION PREVENTION PLAN DETAILS

S STRUCTURAL

S-001 STRUCTURAL NOTES

S-100 OVERALL BUILDING – GENERAL STRUCTURAL PLAN

S-201 UNIT A FOUNDATION PLAN
S-202 UNIT B FOUNDATION PLAN
S-203 UNIT A FRAMING PLAN
S-204 UNIT B FRAMING PLAN

S-400 FOUNDATION SECTIONS & DETAILS
S-401 FOUNDATION SECTIONS & DETAILS
S-410 TYPICAL FRAMING SECTIONS & DETAILS
S-411 FRAMING/STRUCTURAL DETAILS
S-412 FRAMING/STRUCTURAL DETAILS
S-420 TYPICAL MASONRY SECTIONS & DETAILS

A ARCHITECTURAL

AD101 UNIT "A" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD102 UNIT "B" ARCHITECTURAL FIRST FLOOR AND ALTERNATE DEMOLITION PLAN
AD103 UNIT "C" ARCHITECTURAL FIRST FLOOR AND ALTERNATE DEMOLITION PLAN
AD104 UNIT "D" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD105 UNIT "E" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD106 UNIT "F" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD107 UNIT "G" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN
AD108 UNIT "E" ARCHITECTURAL SECOND FLOOR DEMOLITION PLAN

A-101 UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN
A-102 UNIT "B" ARCHITECTURAL FIRST FLOOR AND ALTERNATE PLAN
A-103 UNIT "C" ARCHITECTURAL FIRST FLOOR AND ALTERNATE PLAN
A-104 UNIT "D" ARCHITECTURAL FIRST FLOOR PLAN
A-105 UNIT "E" ARCHITECTURAL FIRST FLOOR PLAN
A-106 UNIT "F" ARCHITECTURAL FIRST FLOOR PLAN
A-107 UNIT "G" ARCHITECTURAL FIRST FLOOR PLAN
A-108 UNIT "E" ARCHITECTURAL SECOND FLOOR PLAN
A-110 PLAN DETAILS
A-111 PLAN DETAILS

A-201 OVERALL ARCHITECTURAL ROOF PLAN
A-202 PARTIAL UNITS "A" & "B" ENLARGED ROOF PLANS
A-203 PARTIAL UNITS "F" & "G" ENLARGED ROOF PLANS
A-210 ROOF DETAILS
A-211 ROOF DETAILS
A-212 ROOF DETAILS

A-301 EXTERIOR ELEVATIONS
A-302 EXTERIOR ELEVATIONS
A-303 EXTERIOR ELEVATIONS
A-304 EXTERIOR ELEVATIONS
A-305 EXTERIOR ELEVATIONS
A-306 EXTERIOR ELEVATIONS
A-307 EXTERIOR ELEVATIONS

A-401 WALL SECTIONS
A-402 WALL SECTIONS
A-403 WALL SECTIONS
A-404 WALL SECTIONS
A-405 WALL SECTIONS
A-406 WALL SECTIONS
A-407 WALL SECTIONS
A-408 WALL SECTIONS

A-501 TYPICAL DETAILS
A-502 SECTION DETAILS
A-503 CORE PLAN, ELEVATION AND SECTIONS — AD-2

A-601 DOOR AND FRAME SCHEDULE
A-602 DOOR AND FRAME SCHEDULE, PROFILES, ELEVATIONS & DETAILS
A-610 STOREFRONT ELEVATIONS
A-611 STOREFRONT ELEVATIONS & DETAILS

A-701 UNIT "A" FIRST FLOOR EQUIPMENT PLAN
A-702 UNIT "B" FIRST FLOOR AND ALTERNATE EQUIPMENT PLAN
A-703 UNIT "C" FIRST FLOOR AND ALTERNATE EQUIPMENT PLAN
A-704 UNIT "D" FIRST FLOOR EQUIPMENT PLAN
A-705 UNIT "E" FIRST FLOOR EQUIPMENT PLAN
A-706 UNIT "F" FIRST FLOOR EQUIPMENT PLAN
A-707 UNIT "G" FIRST FLOOR EQUIPMENT PLAN
A-710 ENLARGED RESTROOM PLANS AND DETAILS
A-720 CASEWORK SCHEDULE AND ELEVATIONS
A-721 METAL CASEWORK AND ALTERNATE CASEWORK SCHEDULE AND ELEVATIONS
A-722 MUSIC EQUIPMENT STORAGE
A-723 SCIENCE CASEWORK SCHEDULE, ELEVATIONS AND DETAILS
A-724 SCIENCE CASEWORK SCHEDULE, ELEVATIONS AND DETAILS
A-725 MILLWORK ENLARGED PLANS, ELEVATIONS AND SECTIONS

A-801 UNIT "A" FIRST FLOOR FINISH PLAN AND ELEVATION
A-802 UNIT "B" FIRST FLOOR AND ALTERNATE FINISH PLAN
A-803 UNIT "C" FIRST FLOOR AND ALTERNATE FINISH PLAN
A-804 UNIT "D" FIRST FLOOR FINISH PLAN
A-805 UNIT "E" FIRST FLOOR FINISH PLAN
A-806 UNIT "F" FIRST FLOOR FINISH PLAN
A-807 UNIT "G" FIRST FLOOR FINISH PLAN
A-808 UNIT "H" FIRST FLOOR FINISH PLAN
A-810 FINISH LEGEND

A-821 UNIT "A" FIRST FLOOR PATTERN PLAN
A-822 UNIT "B" FIRST FLOOR AND ALTERNATE PATTERN PLAN
A-823 UNIT "C" FIRST FLOOR AND ALTERNATE PATTERN PLAN
A-824 UNIT "D" FIRST FLOOR PATTERN PLAN
A-825 UNIT "E" FIRST FLOOR PATTERN PLAN
A-826 UNIT "F" FIRST FLOOR PATTERN PLAN
A-827 UNIT "G" FIRST FLOOR PATTERN PLAN
A-828 UNIT "H" FIRST FLOOR PATTERN PLAN

A-830 INTERIOR ELEVATIONS
A-831 INTERIOR ELEVATIONS
A-832 INTERIOR ELEVATIONS
A-833 INTERIOR ELEVATIONS

A-901 UNIT "A" FIRST FLOOR REFLECTED CEILING PLAN
A-902 UNIT "B" FIRST FLOOR AND ALTERNATE REFLECTED CEILING PLAN
A-903 UNIT "C" FIRST FLOOR AND ALTERNATE REFLECTED CEILING PLAN
A-904 UNIT "D" FIRST FLOOR REFLECTED CEILING PLAN
A-905 UNIT "E" FIRST FLOOR REFLECTED CEILING PLAN
A-906 UNIT "F" FIRST FLOOR REFLECTED CEILING PLAN
A-907 UNIT "G" FIRST FLOOR REFLECTED CEILING PLAN

VOLUME 2

G GENERAL

G-102 COVER – SHEET INDEX

M MECHANICAL

M-001 MECHANICAL NOTES, SYMBOLS & ABBREVIATIONS

MD101 UNIT 'A' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD102 UNIT 'B' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD103 UNIT 'C' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD104 UNIT 'D' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD105 UNIT 'E' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD106 UNIT 'F' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD107 UNIT 'G' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MD108 UNIT 'H' MECHANICAL FIRST FLOOR DEMOLITION PLAN

MV101 UNIT 'A' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV102 UNIT 'B' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV103 UNIT 'C' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV104 UNIT 'D' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV105 UNIT 'E' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV105A UNIT 'E' MECHANICAL VENTILATION FIRST FLOOR PLAN–ALTERNATE
MV106 UNIT 'F' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV107 UNIT 'G' MECHANICAL VENTILATION FIRST FLOOR PLAN
MV108 UNIT 'H' MECHANICAL VENTILATION FIRST FLOOR PLAN

MP101 UNIT 'A' MECHANICAL PIPING FIRST FLOOR PLAN
MP101A UNIT 'A' MECHANICAL PIPING FIRST FLOOR PLAN – ALTERNATE
MP102 UNIT 'B' MECHANICAL PIPING FIRST FLOOR PLAN
MP102A UNIT 'B' MECHANICAL PIPING FIRST FLOOR PLAN – ALTERNATE
MP103 UNIT 'C' MECHANICAL PIPING FIRST FLOOR PLAN
MP104 UNIT 'D' MECHANICAL PIPING FIRST FLOOR PLAN
MP105 UNIT 'E' MECHANICAL PIPING FIRST FLOOR PLAN — AD-2
MP106 UNIT 'F' MECHANICAL PIPING FIRST FLOOR PLAN
MP106A UNIT 'F' MECHANICAL PIPING FIRST FLOOR PLAN – ALTERNATE
MP107 UNIT 'G' MECHANICAL PIPING FIRST FLOOR PLAN
MP107A UNIT 'G' MECHANICAL PIPING FIRST FLOOR PLAN – ALTERNATE
MP108 UNIT 'H' MECHANICAL PIPING FIRST FLOOR PLAN

M-201 UNIT "A" MECHANICAL HVAC ROOF PLAN
M-202 UNIT "B" MECHANICAL HVAC ROOF PLAN
M-203 UNIT "C" MECHANICAL HVAC ROOF PLAN
M-204 UNIT "D" MECHANICAL HVAC ROOF PLAN
M-205 UNIT "E" MECHANICAL HVAC ROOF PLAN
M-206 UNIT "F" MECHANICAL HVAC ROOF PLAN
M-207 UNIT "G" MECHANICAL HVAC ROOF PLAN

MD301 ENLARGED UNIT 'F' MECHANICAL FIRST FLOOR DEMOLITION PLAN
MP301 ENLARGED UNIT 'F' MECHANICAL PIPING FIRST FLOOR PLAN

M-501 MECHANICAL DETAILS & DIAGRAMS

M-601 MECHANICAL SCHEDULES
M-602 MECHANICAL SCHEDULES

P PLUMBING

P-001 PLUMBING SCHEDULE, NOTES, SYMBOLS & ABBREVIATIONS

PD101 UNIT 'A' PLUMBING DEMOLITION PLAN
PD103 UNIT 'C' PLUMBING DEMOLITION PLAN
PD104 UNIT 'D' PLUMBING DEMOLITION PLAN
PD105 UNIT 'E' PLUMBING DEMOLITION PLAN
PD106 UNIT 'F' PLUMBING DEMOLITION PLAN
PD107 UNIT 'G' PLUMBING UNDERFLOOR DEMOLITION PLAN

P-101 UNIT 'A' PLUMBING UNDERFLOOR PLAN
P-102 UNIT 'B' PLUMBING UNDERFLOOR PLAN
P-103 UNIT 'C' PLUMBING UNDERFLOOR PLAN
P-104 UNIT 'D' PLUMBING UNDERFLOOR PLAN
P-105 UNIT 'E' PLUMBING UNDERFLOOR PLAN
P-106 UNIT 'F' PLUMBING UNDERFLOOR PLAN
P-107 UNIT 'G' PLUMBING UNDERFLOOR PLAN
P-111 UNIT 'A' PLUMBING FIRST FLOOR PLAN
P-112 UNIT 'B' PLUMBING FIRST FLOOR PLAN
P-113 UNIT 'C' PLUMBING FIRST FLOOR PLAN
P-114 UNIT 'D' PLUMBING FIRST FLOOR PLAN
P-115 UNIT 'E' PLUMBING FIRST FLOOR PLAN
P-116 UNIT 'F' PLUMBING FIRST FLOOR PLAN
P-117 UNIT 'G' PLUMBING FIRST FLOOR PLAN

P-201 UNIT "A" PLUMBING ROOF PLAN
P-202 UNIT "B" PLUMBING ROOF PLAN

P-501 SANITARY RISER DIAGRAMS
P-502 WATER RISER DIAGRAMS

FP FIRE PROTECTION

FP-001 FIRE PROTECTION NOTES, SYMBOLS & ABBREVIATIONS

FPD101 UNIT "A" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD102 UNIT "B" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD103 UNIT "C" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD104 UNIT "D" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD105 UNIT "E" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD106 UNIT "F" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN
FPD107 UNIT "G" FIRE PROTECTION FIRST FLOOR DEMOLITION PLAN

FP-101 UNIT "A" FIRE PROTECTION FIRST FLOOR PLAN
FP-102 UNIT "B" FIRE PROTECTION FIRST FLOOR PLAN
FP-103 UNIT "C" FIRE PROTECTION FIRST FLOOR PLAN
FP-104 UNIT "D" FIRE PROTECTION FIRST FLOOR PLAN
FP-105 UNIT "E" FIRE PROTECTION FIRST FLOOR PLAN
FP-106 UNIT "F" FIRE PROTECTION FIRST FLOOR PLAN
FP-107 UNIT "G" FIRE PROTECTION FIRST FLOOR PLAN

E ELECTRICAL

E-001 ELECTRICAL SITE PLAN
E-002 ELECTRICAL SYMBOLS & ABBREVIATIONS
E-003 ELECTRICAL NOTES

ED101 UNIT 'A' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED102 UNIT 'B' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED103 UNIT 'C' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED104 UNIT 'D' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED105 UNIT 'E' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED106 UNIT 'F' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED107 UNIT 'G' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED108 UNIT 'H' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED109 UNIT 'J' ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED110 UNIT 'K' ELECTRICAL FIRST FLOOR DEMOLITION PLAN

EL101 UNIT 'A' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL102 UNIT 'B' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL103 UNIT 'C' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL104 UNIT 'D' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL105 UNIT 'E' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL106 UNIT 'F' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL107 UNIT 'G' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL108 UNIT 'H' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL109 UNIT 'J' ELECTRICAL LIGHTING FIRST FLOOR PLAN
EL110 UNIT 'K' ELECTRICAL LIGHTING FIRST FLOOR PLAN

EP101 UNIT 'A' ELECTRICAL POWER FIRST FLOOR PLAN
EP102 UNIT 'B' ELECTRICAL POWER FIRST FLOOR PLAN
EP103 UNIT 'C' ELECTRICAL POWER FIRST FLOOR PLAN
EP104 UNIT 'D' ELECTRICAL POWER FIRST FLOOR PLAN
EP105 UNIT 'E' ELECTRICAL POWER FIRST FLOOR PLAN
EP106 UNIT 'F' ELECTRICAL POWER FIRST FLOOR PLAN
EP107 UNIT 'G' ELECTRICAL POWER FIRST FLOOR PLAN

EP201 UNIT "A" ELECTRICAL POWER ROOF PLAN
EP202 UNIT "B" ELECTRICAL POWER ROOF PLAN
EP203 UNIT "C" ELECTRICAL POWER ROOF PLAN
EP204 UNIT "D" ELECTRICAL POWER ROOF PLAN
EP205 UNIT "E" ELECTRICAL POWER ROOF PLAN
EP206 UNIT "F" ELECTRICAL POWER ROOF PLAN
EP207 UNIT "G" ELECTRICAL POWER ROOF PLAN

E-501 ELECTRICAL ONE-LINE DIAGRAM
E-502 ELECTRICAL DETAILS & DIAGRAMS
E-503 ELECTRICAL DETAILS & DIAGRAMS

E-601 ELECTRICAL SCHEDULES
E-602 ELECTRICAL SCHEDULES
E-603 ELECTRICAL SCHEDULES
E-604 ELECTRICAL SCHEDULES

T TELECOMMUNICATIONS

T-001 TELECOMMUNICATIONS LEGEND
T-002 TELECOMMUNICATIONS LEGEND

TS-001 TELECOMMUNICATIONS SITE PLAN
TS-701 TELECOMMUNICATIONS SITE DETAILS — AD-3

TD-100 TELECOMMUNICATIONS OVERALL BUILDING DEMO PLAN
TD-101 TELECOMMUNICATIONS DEMO PLAN – UNIT A
TD-102 TELECOMMUNICATIONS DEMO PLAN – UNIT B
TD-103 TELECOMMUNICATIONS DEMO PLAN – UNIT C
TD-104 TELECOMMUNICATIONS DEMO PLAN – UNIT D
TD-105 TELECOMMUNICATIONS DEMO PLAN – UNIT E
TD-106 TELECOMMUNICATIONS DEMO PLAN – UNIT F
TD-107 TELECOMMUNICATIONS DEMO PLAN – UNIT G
TD-108 TELECOMMUNICATIONS DEMO PLAN – UNIT H
TD-109 TELECOMMUNICATIONS DEMO PLAN – UNIT J
TD-110 TELECOMMUNICATIONS DEMO PLAN – UNIT K

T-100 TELECOMMUNICATIONS OVERALL BUILDING PLAN
T-101 TELECOMMUNICATIONS PLAN – UNIT A
T-102 TELECOMMUNICATIONS PLAN – UNIT B
T-103 TELECOMMUNICATIONS PLAN – UNIT C
T-104 TELECOMMUNICATIONS PLAN – UNIT D
T-105 TELECOMMUNICATIONS PLAN – UNIT E
T-106 TELECOMMUNICATIONS PLAN – UNIT F
T-107 TELECOMMUNICATIONS PLAN – UNIT G
T-108 TELECOMMUNICATIONS PLAN – UNIT H
T-109 TELECOMMUNICATIONS PLAN – UNIT J
T-110 TELECOMMUNICATIONS PLAN – UNIT K
T-111 TELECOMMUNICATIONS ALTERNATE PLAN – UNIT B & C

T-401 TELECOMMUNICATIONS ENLARGED PLAN – A-148
T-402 TELECOMMUNICATIONS ENLARGED PLAN – B-136
T-403 TELECOMMUNICATIONS ENLARGED PLAN – C-104
T-404 TELECOMMUNICATIONS ENLARGED PLAN – C-109
T-405 TELECOMMUNICATIONS ENLARGED PLAN – E-153
T-406 TELECOMMUNICATIONS ENLARGED PLAN – F-111
T-407 TELECOMMUNICATIONS ENLARGED PLAN – F-121
T-408 TELECOMMUNICATIONS ENLARGED PLAN – TC8

T-501 FACEPLATES

T-601 GROUNDING DIAGRAM

T-701 TELECOM DEVICE SYSTEMS ROUGH-IN
T-761 A/V SYSTEMS ROUGH-IN
T-781 SECURITY SYSTEMS ROUGH-IN

GIBRALTAR
DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

ARCHITECT OF RECORD	ENGINEER OF RECORD	ENGINEER OF RECORD	ENGINEER OF RECORD	ENGINEER OF RECORD
MICHAEL L. ROSILLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT	DONALD C. TORRENCE REGISTERED No. 19868 STATE OF INDIANA PROFESSIONAL ENGINEER	SCOTT A. CLODE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER	DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER	REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER BICSI Brian K Scott BICSI ID # 114038 EXPIRES 12-31-21

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY DBu PD
CHECKED BY DBI DBu

MICHAEL L. ROSILLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

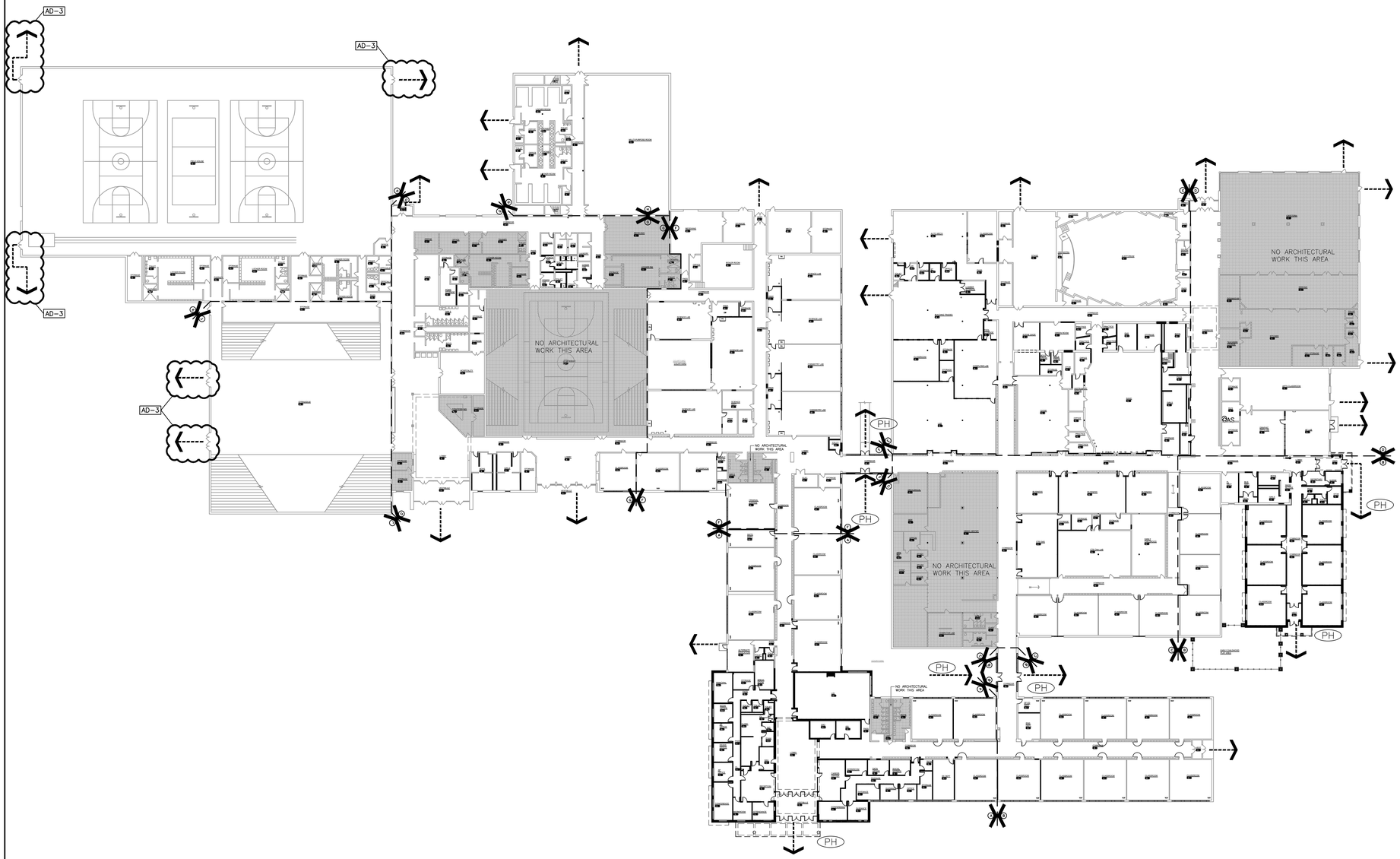
DRAWING
COVER-SHEET INDEX

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
G-102

Friday, 4/23/2021 – 8:39 AM – LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC – HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\02 GENR\G-102.DWG



LIFE SAFETY GENERAL NOTE:

LIFE SAFETY INFORMATION IS PROVIDED FOR USE BY ALL CONTRACTORS. CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH CODE REQUIREMENTS (INCLUDING BUT NOT LIMITED TO: RATED ASSEMBLIES, FIRE PROTECTION, FIRESTOPPING, DAMPERS, AND HARDWARE) INDICATED INCLUDING CONDITIONS WHERE THESE REQUIREMENTS ARE NOT DETAILED. REPORT CONFLICTS OR DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO STARTING WORK.

Applicable Code:	2014 Indiana Building Code (IBC) General Administrative Rules, 2nd Edition (GAR) 2014 Indiana Mechanical Code (IMC)
Scope of Project:	Demolition of existing administration area and replace with new administration addition, including LGI and student commons. Addition of early childhood classroom addition, and adjoining preschool play area. Interior demolition of existing small auditorium and rest rooms, and construction of expanded band room and new rest rooms. Renovation of the following areas – to include some room reconfiguration, MEP upgrades, and new finishes: – Classrooms for FACS, career and technical education, business, and general education – Science rooms – Rest rooms and locker rooms at auxiliary gym
Applicability of Codes to the Project:	Alterations and additions are permitted to an existing building without requiring the entire existing building or portions of the existing building unaffected by the proposed scope of renovation to be brought into compliance with current codes. The scope of construction within the alteration and addition are required to comply with current codes. [Rule 4, Section 12(b), GAR] The addition and existing building are required to comply with current code in the aggregate for allowable area [Rule 4, Section 12(f), GAR]
Occupancy Classifications:	Educational use for high school students – E Occupancy [305.1] Assembly uses accessory to an E Occupancy are not considered separate occupancies [303.1.3] Administrative area – accessory occupancy – B Occupancy [304.1, 508.2]
Construction Type:	Type IIB Construction permitted based upon compliance with unlimited area provisions – the building is sprinklered throughout and surrounded by at least 60 feet of open space [507.3]
Building Elements – Fire Resistive Requirements:	Building elements, including structural frame, exterior walls, and roof are permitted to be of noncombustible, unprotected construction. [Table 601] Exterior walls are permitted to be of nonrated, noncombustible construction [Table 602]
Occupancy Separations:	Occupancy separations not required, based upon classification of assembly uses accessory to an educational occupancy as E Occupancy areas and classification of administrative area as an accessory occupancy [508.2]
Fire Walls:	Fire walls not required based upon compliance with unlimited area.
Incidental Use Separations:	None applicable to this project [Table 509]
Corridors:	Corridors are permitted to be of nonrated construction throughout the building, based upon sprinkler protection throughout. [Table 1018.1]
Panic Hardware:	Panic hardware is required for egress doors serving an occupant load of 50 or more [1008.1.10]
Means of Egress:	2 means of egress are required from rooms with a calculated occupant load of 50 or more, or where exceeding 75 feet common path of travel in E Occupancy spaces and 100 feet in B Occupancy spaces [1015.1]
Exit Access Travel Distance:	The maximum travel distance to an exterior exit is permitted to be a maximum of 250 feet [1016.1]
Automatic Sprinklers:	An automatic sprinklers is existing throughout the building – sprinkler protection will be provided in the new additions.
Fire Alarm System:	Fire alarm system is existing and will be modified as necessary to accommodate new construction
Smoke Detectors:	Smoke detectors are required for HVAC shutdown for systems delivering in excess of 2,000 cfm. [606.1, IMC]

LIFE SAFETY PLAN LEGEND

PANIC HARDWARE – INDICATES REQUIRED PANIC DEVICE AT RENOVATED AND NEW CONSTRUCTION ONLY. PH

MAJOR EGRESS ROUTES

SQUARE FOOTAGE ANALYSIS

EXISTING FIRST FLOOR	249,618 SQ. FT.
EXISTING SECOND FLOOR	8,189 SQ. FT.
UPPER MEZZANINE	841 SQ. FT.
EXISTING TOTAL	258,299 SQ. FT.
RENOVATED FIRST FLOOR	201,819 SQ. FT.
RENOVATED SECOND FLOOR	0 SQ. FT.
TOTAL RENOVATED AREA	201,819 SQ. FT.
DEMOLITION FIRST FLOOR	8,432 SQ. FT.
NEW FIRST FLOOR	18,068 SQ. FT.
NEW SECOND FLOOR	0 SQ. FT.
NEW ADDITION TOTAL	18,068 SQ. FT.
GRAND TOTAL BUILDING	267,935 SQ. FT.

AD-3

FIRST FLOOR LIFE SAFETY PLAN

SCALE: 1/32"=1'-0"

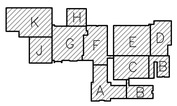
NORTH

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY DBu PD
CHECKED BY DBl DBu

MICHAEL L. ROSSILLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING

FIRST FLOOR LIFE SAFETY PLAN

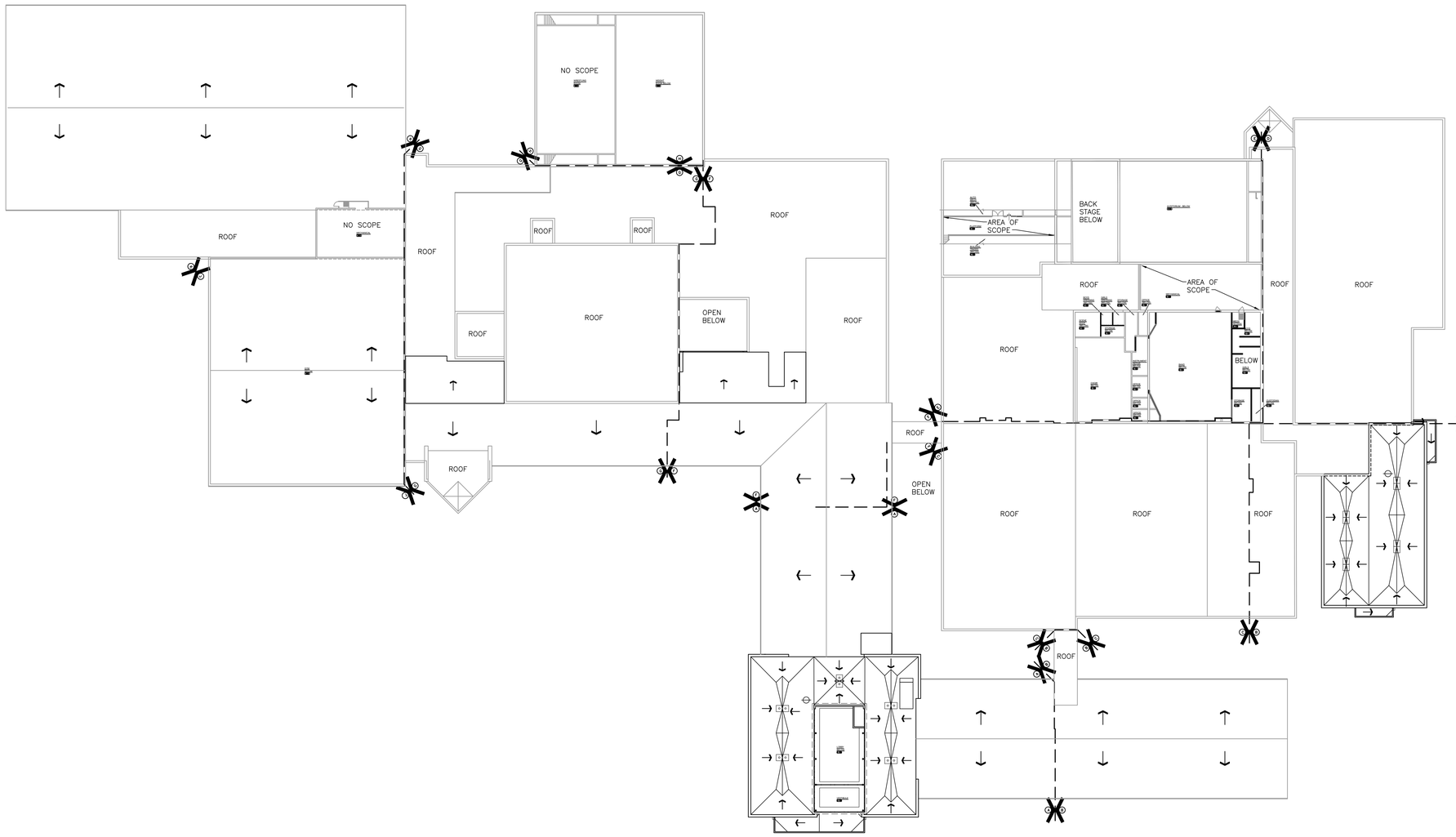
PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET

G-201

Friday, 4/23/2021 – 8:23 AM – LAST SAVED BY:PDEGROTHY
Y:\20-144 HANOVER CSC – HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\02 GENR\G-201.DWG



SECOND FLOOR LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"

NORTH

LIFE SAFETY GENERAL NOTE:

LIFE SAFETY INFORMATION IS PROVIDED FOR USE BY ALL CONTRACTORS. CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH CODE REQUIREMENTS (INCLUDING BUT NOT LIMITED TO: RATED ASSEMBLIES, FIRE PROTECTION, FIRESTOPPING, DAMPERS, AND HARDWARE) INDICATED INCLUDING CONDITIONS WHERE THESE REQUIREMENTS ARE NOT DETAILED. REPORT CONFLICTS OR DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO STARTING WORK.

Applicable Code:	2014 Indiana Building Code (IBC) General Administrative Rules, 2nd Edition (GAR) 2014 Indiana Mechanical Code (IMC)
Scope of Project:	Demolition of existing administration area and replace with new administration addition, including LGI and student commons. Addition of early childhood classroom addition, and adjoining preschool play area. Interior demolition of existing small auditorium and rest rooms, and construction of expanded band room and new rest rooms. Renovation of the following areas – to include some room reconfiguration, MEP upgrades, and new finishes: – Classrooms for FACS, career and technical education, business, and general education – Science rooms – Rest rooms and locker rooms at auxiliary gym
Applicability of Codes to the Project:	Alterations and additions are permitted to an existing building without requiring the entire existing building or portions of the existing building unaffected by the proposed scope of renovation to be brought into compliance with current codes. The scope of construction within the alteration and addition are required to comply with current codes. [Rule 4, Section 12(b), GAR] The addition and existing building are required to comply with current code in the aggregate for allowable area [Rule 4, Section 12(f), GAR]
Occupancy Classifications:	Educational use for high school students – E Occupancy [305.1] Assembly uses accessory to an E Occupancy are not considered separate occupancies [303.1.3] Administrative area – accessory occupancy – B Occupancy [304.1, 508.2]
Construction Type:	Type IIB Construction permitted based upon compliance with unlimited area provisions – the building is sprinklered throughout and surrounded by at least 60 feet of open space [507.3]
Building Elements – Fire Resistive Requirements:	Building elements, including structural frame, exterior walls, and roof are permitted to be of noncombustible, unprotected construction. [Table 601] Exterior walls are permitted to be of nonrated, noncombustible construction [Table 602]
Occupancy Separations:	Occupancy separations not required, based upon classification of assembly uses accessory to an educational occupancy as E Occupancy areas and classification of administrative area as an accessory occupancy [508.2]
Fire Walls:	Fire walls not required based upon compliance with unlimited area.
Incidental Use Separations:	None applicable to this project [Table 509]
Corridors:	Corridors are permitted to be of nonrated construction throughout the building, based upon sprinkler protection throughout. [Table 1018.1]
Panic Hardware:	Panic hardware is required for egress doors serving an occupant load of 50 or more [1008.1.10]
Means of Egress:	2 means of egress are required from rooms with a calculated occupant load of 50 or more, or where exceeding 75 feet common path of travel in E Occupancy spaces and 100 feet in B Occupancy spaces [1015.1]
Exit Access Travel Distance:	The maximum travel distance to an exterior exit is permitted to be a maximum of 250 feet [1016.1]
Automatic Sprinklers:	An automatic sprinklers is existing throughout the building – sprinkler protection will be provided in the new additions.
Fire Alarm System:	Fire alarm system is existing and will be modified as necessary to accommodate new construction
Smoke Detectors:	Smoke detectors are required for HVAC shutdown for systems delivering in excess of 2,000 cfm. [606.1, IMC]

LIFE SAFETY PLAN LEGEND

PANIC HARDWARE – INDICATES REQUIRED PANIC DEVICE AT RENOVATED AND NEW CONSTRUCTION ONLY. PH (PH)

MAJOR EGRESS ROUTES

SQUARE FOOTAGE ANALYSIS

EXISTING FIRST FLOOR	249,618 SQ. FT.
EXISTING SECOND FLOOR	8,189 SQ. FT. AD-3
UPPER MEZZANINE	841 SQ. FT.
EXISTING TOTAL	258,299 SQ. FT.
RENOVATED FIRST FLOOR	201,819 SQ. FT.
RENOVATED SECOND FLOOR	0 SQ. FT.
TOTAL RENOVATED AREA	201,819 SQ. FT.
DEMOLITION FIRST FLOOR	8,432 SQ. FT.
NEW FIRST FLOOR	18,068 SQ. FT.
NEW SECOND FLOOR	0 SQ. FT.
NEW ADDITION TOTAL	18,068 SQ. FT.
GRAND TOTAL BUILDING	267,935 SQ. FT.

ENTIRE SHEET ADDED IN THIS ADDENDUM AD-3

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY DBu PD
CHECKED BY DBl DBu

MICHAEL L. ROSELLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

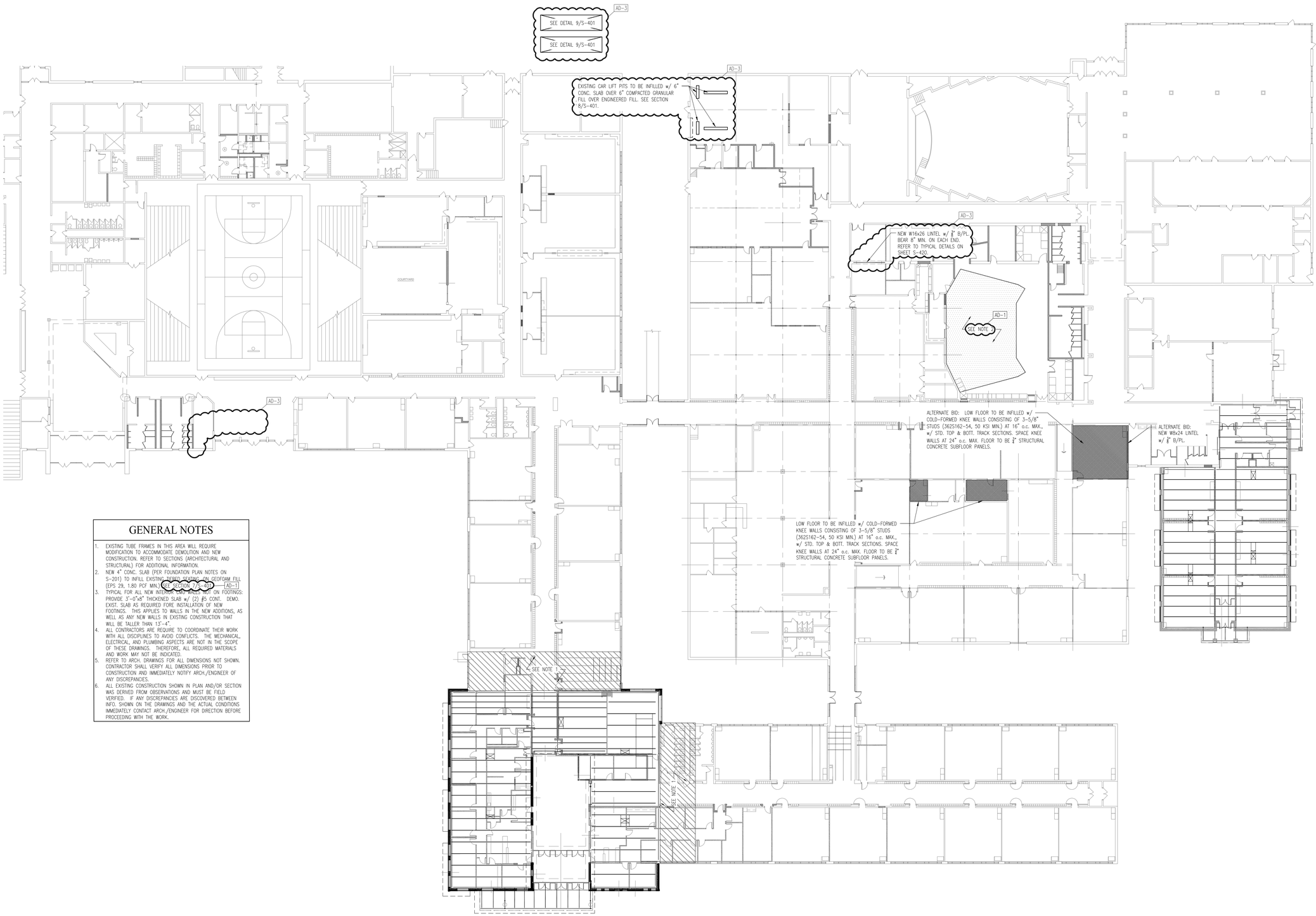
DRAWING
SECOND FLOOR LIFE SAFETY PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
G-202

Friday, 4/23/2021 - 8:24 AM - LAST SAVED BY:PDEGROTHY
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\02 GENR\G-202.DWG



GENERAL NOTES

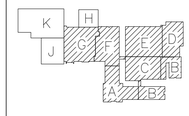
1. EXISTING TUBE FRAMES IN THIS AREA WILL REQUIRE MODIFICATION TO ACCOMMODATE DEMOLITION AND NEW CONSTRUCTION. REFER TO SECTIONS (ARCHITECTURAL AND STRUCTURAL) FOR ADDITIONAL INFORMATION.
2. NEW 4" CONC. SLAB (PER FOUNDATION PLAN NOTES ON S-201) TO INFILL EXISTING TIERED SEATING ON GEOFOAM FILL (EPS 29, 1.80 PCF MIN.) (SEE SECTION 7/S-401) (AD-1)
3. TYPICAL FOR ALL NEW INTERIOR CMU WALLS NOT ON FOOTINGS: PROVIDE 3'-0"x8" THICKENED SLAB w/ (2) #5 CONT. DEMO. EXIST. SLAB AS REQUIRED FORE INSTALLATION OF NEW FOOTINGS. THIS APPLIES TO WALLS IN THE NEW ADDITIONS, AS WELL AS ANY NEW WALLS IN EXISTING CONSTRUCTION THAT WILL BE TALLER THAN 13'-4".
4. ALL CONTRACTORS ARE REQUIRE TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
5. REFER TO ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCH./ENGINEER OF ANY DISCREPANCIES.
6. ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND/OR SECTION WAS DERIVED FROM OBSERVATIONS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN INFO. SHOWN ON THE DRAWINGS AND THE ACTUAL CONDITIONS IMMEDIATELY CONTACT ARCH./ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.

1 OVERAL PLAN - GENERAL STRUCTURAL
1" = 20'-0"

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY SAC
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLOYD REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
OVERALL BUILDING - GENERAL STRUCTURAL PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
S-100

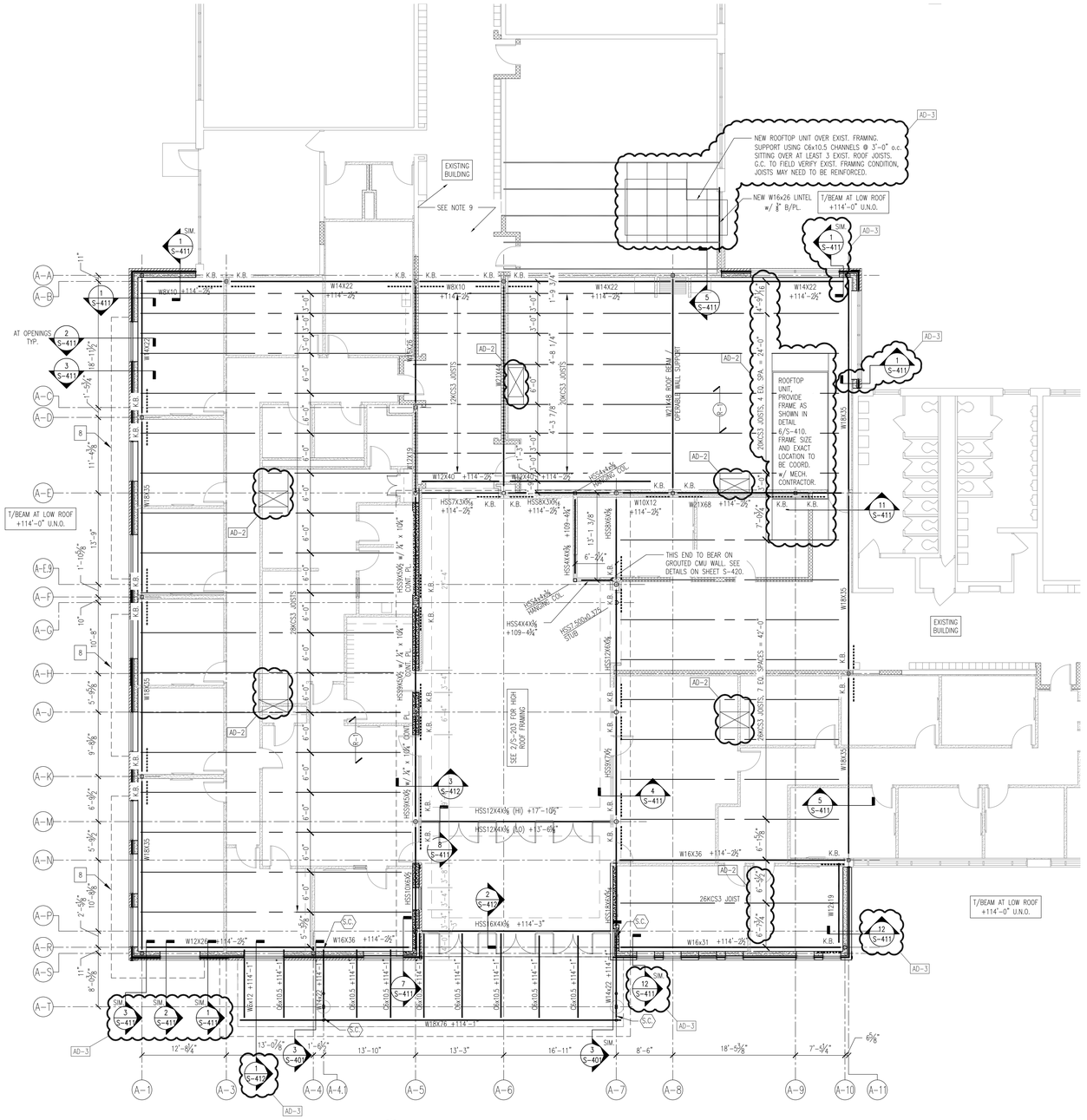
Thursday, 4/22/2021 - 3:03 PM - LAST SAVED BY:NFELLER
F:\2020\20120 HANOVER CENTRAL HS ADDNS & RENOV\S-FP02.DWG

FRAMING PLAN NOTES

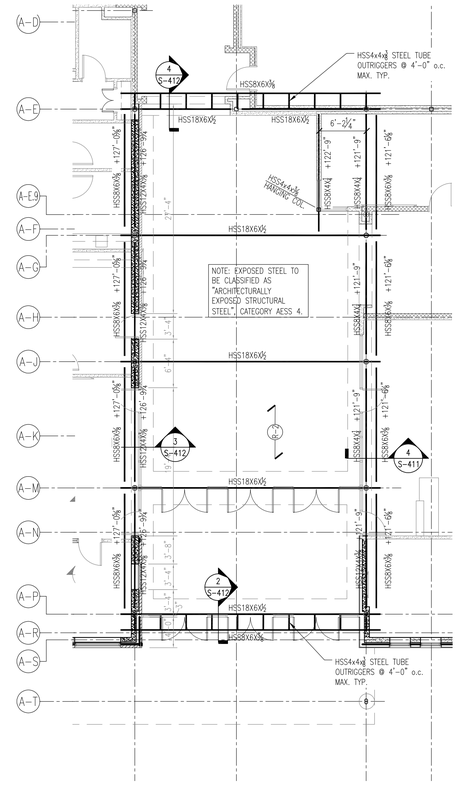
1. REFER TO SHEET S-001 FOR STRUCTURAL NOTES.
2. ALL CONTRACTORS ARE REQUIRE TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN T HE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
3. REFER TO ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCH./ENGINEER OF ANY DISCREPANCIES.
4. ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND/OR SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN INFO. SHOWN ON THE DRAWINGS AND THE ACTUAL CONDITIONS IMMEDIATELY CONTACT ARCH./ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
5. ALL ELEVATIONS ARE REFERENCED FROM THE EXISTING FIRST FLOOR ELEVATION 100'-0".
6. SHORE ALL EXISTING CONSTRUCTION AS REQ.'D DURING DEMOLITION AND INSTALLATION OF NEW FRAMING, TYP.
7. FOR EACH NEW ADDITION, LATERAL FORCE RESISTANCE WILL BE ACHIEVED BY DIAGONAL HSS TUBE BRACES PLACED WITHIN THE STUD WALL CAVITY AND/OR HSS TUBE KNEE BRACES LOCATED ABOVE CEILING.
8. DENOTES NEW ALUMINUM SUN SHADE. SEE S-411 FOR ALUM. ATTACHMENT DETAILS.
9. EXISTING TUBE FRAMES IN THIS AREA WILL REQUIRE MODIFICATION TO ACCOMMODATE DEMOLITION AND NEW CONSTRUCTION. REFER TO SECTIONS (ARCHITECTURAL AND STRUCTURAL) FOR ADDITIONAL INFORMATION.

PLAN LEGEND:

- 6–1 — DENOTES 1 ½", 20 GA. WIDE-RIB METAL ROOF DECK, PRIME PAINTED ONLY.
- 6–2 — DENOTES "TORI/S 5.5A" 18/18 GAGE ACOUSTICAL ROOF DECK BY EPIC METALS.
- S.C. — DENOTES SLIP CRITICAL CONNECTION FOR SHEAR AND TENSION REQUIRED AT THIS LOCATION.
- K.B. — DENOTES KNEE BRACE PER DETAIL ON 8/S-410.
- AD-2 — DENOTES APPROXIMATE LOCATION OF NEW ROOF OPENING. COORD. EXACT SIZE AND LOCATION (INCLUDING THOSE NOT SHOWN ON STRUCTURAL DRAWINGS) WITH APPROPRIATE TRADE. PROVIDE ROOF FRAME PER TYP. DETAILS ON SHEET S-410.



1 FRAMING PLAN - UNIT A
1/8" = 1'-0"



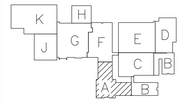
2 PARTIAL FRAMING PLAN - UNIT A
1/8" = 1'-0"

GIBRALTAR DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY SAC
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLORE — REGISTERED — PE10606154 — STATE OF INDIANA — PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT A FRAMING PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
A S-203

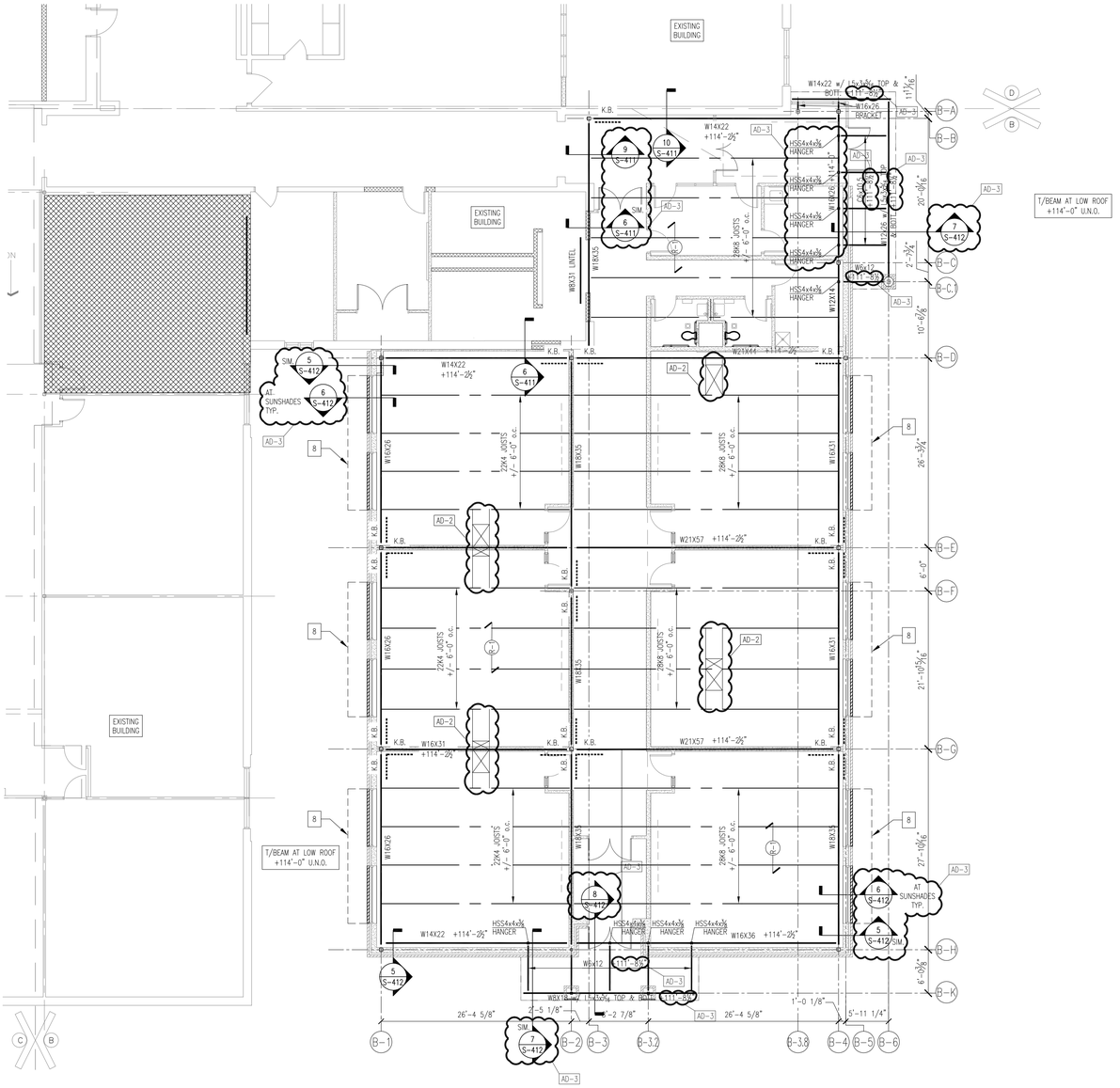
Wednesday, 4/21/2021 – 5:07 PM – LAST SAVED BY:NFELLER
F:\2020\20120 HANOVER CENTRAL HS ADDNS & RENOV\S-FP02.DWG

FRAMING PLAN NOTES

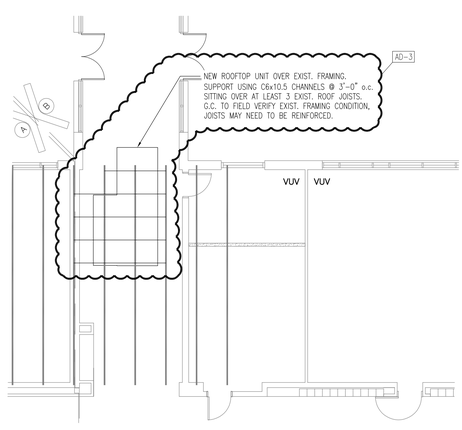
1. REFER TO SHEET S-001 FOR STRUCTURAL NOTES.
2. ALL CONTRACTORS ARE REQUIRE TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN T HE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
3. REFER TO ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCH./ENGINEER OF ANY DISCREPANCIES.
4. ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND/OR SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN INFO. SHOWN ON THE DRAWINGS AND THE ACTUAL CONDITIONS IMMEDIATELY CONTACT ARCH./ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
5. ALL ELEVATIONS ARE REFERENCED FROM THE EXISTING FIRST FLOOR ELEVATION 100'-0".
6. SHORE ALL EXISTING CONSTRUCTION AS REQ.'D DURING DEMOLITION AND INSTALLATION OF NEW FRAMING, TYP.
7. FOR EACH NEW ADDITION, LATERAL FORCE RESISTANCE WILL BE ACHIEVED BY DIAGONAL HSS TUBE BRACES PLACED WITHIN THE STUD WALL CAVITY AND/OR HSS TUBE KNEE BRACES LOCATED ABOVE CEILING.
8. DENOTES NEW ALUMINUM SUN SHADE. SEE S-411 FOR ALUM. ATTACHMENT DETAILS.
9. EXISTING TUBE FRAMES IN THIS AREA WILL REQUIRE MODIFICATION TO ACCOMMODATE DEMOLITION AND NEW CONSTRUCTION. REFER TO SECTIONS (ARCHITECTURAL AND STRUCTURAL) FOR ADDITIONAL INFORMATION.

PLAN LEGEND:

- (R-1) — DENOTES 1 ½", 20 GA. WIDE-RIB METAL ROOF DECK, PRIME PAINTED ONLY.
- (R-2) — DENOTES "TORIS S.5A" 18/18 GAGE ACOUSTICAL ROOF DECK BY EPIC METALS.
- (S.C.) — DENOTES SLIP CRITICAL CONNECTION FOR SHEAR AND TENSION REQUIRED AT THIS LOCATION.
- K.B. — DENOTES KNEE BRACE PER DETAIL ON 8/S-410.
- DENOTES APPROXIMATE LOCATION OF NEW ROOF OPENING. COORD. EXACT SIZE AND LOCATION (INCLUDING THOSE NOT SHOWN ON STRUCTURAL DRAWINGS) WITH APPROPRIATE TRADE. PROVIDE ROOF FRAME PER TYP. DETAILS ON SHEET S-410. AD-2



1 FRAMING PLAN - UNIT B
1/8" = 1'-0"



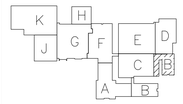
2 PARTIAL FRAMING PLAN - UNIT B
1/8" = 1'-0"

GIBRALTAR DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY SAC
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLARK — REGISTERED — PE10606154 — STATE OF INDIANA — PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE DEVELOPED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

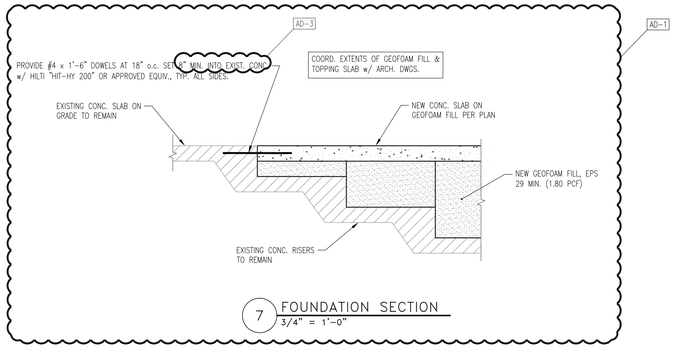
MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT B FRAMING PLAN

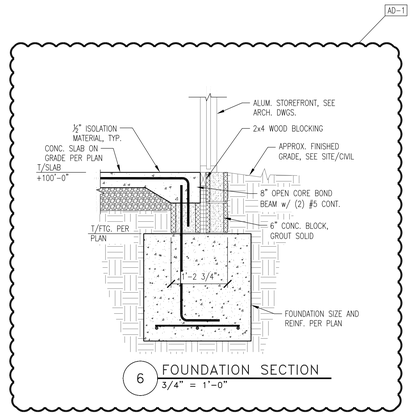
PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

GIBRALTAR DESIGN | SHEET
B | S-204

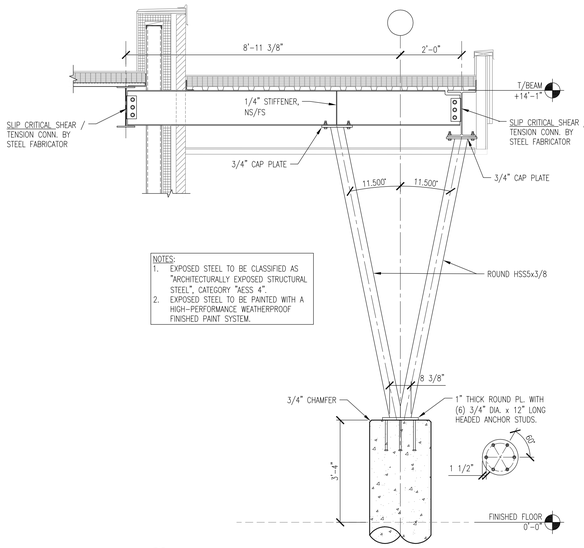
Thursday, 4/22/2021 - 1:04 PM - LAST SAVED BY:NFELLER
F:\2020\20120 HANOVER CENTRAL HS ADDNS & RENOV\S-FP02.DWG



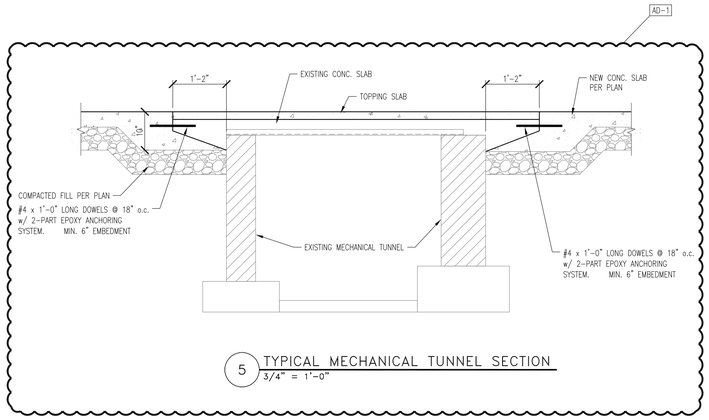
7 FOUNDATION SECTION
3/4" = 1'-0"



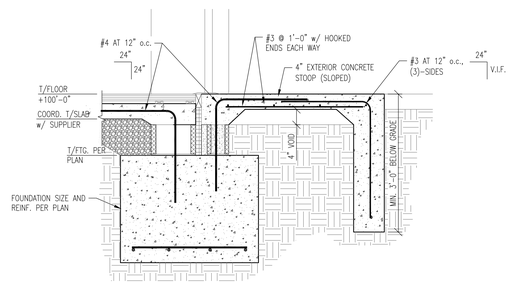
6 FOUNDATION SECTION
3/4" = 1'-0"



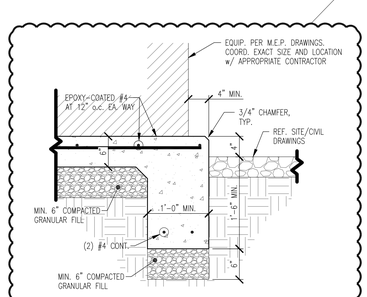
3 FOUNDATION SECTION
1/2" = 1'-0"



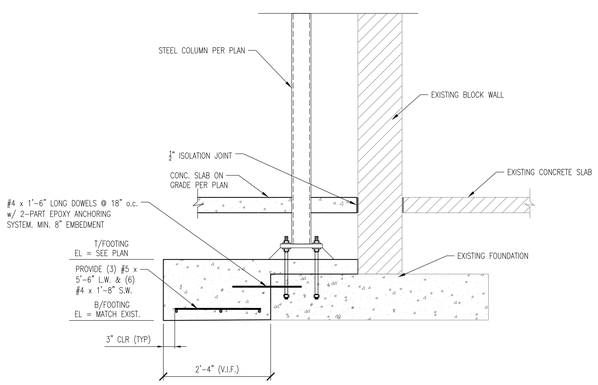
5 TYPICAL MECHANICAL TUNNEL SECTION
3/4" = 1'-0"



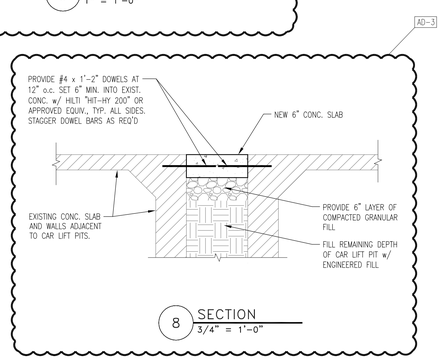
2 FOUNDATION SECTION
3/4" = 1'-0"



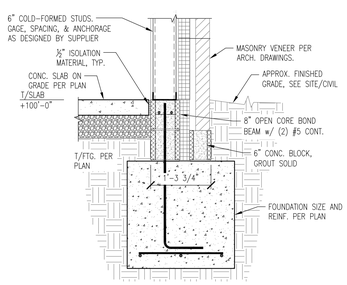
9 SECTION
1" = 1'-0"



4 SECTION
3/4" = 1'-0"



8 SECTION
3/4" = 1'-0"



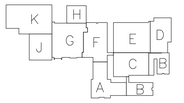
1 FOUNDATION SECTION
3/4" = 1'-0"

Wednesday, 4/21/2021 - 5:44 PM - LAST SAVED BY:NFELLER
F:\2020\20120 HANOVER CENTRAL HS ADDNS & RENOV\S400.DWG

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY SAC
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLOYD
PE10606154
STATE OF INDIANA
REGISTERED PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THESE DOCUMENTS ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE PREPARED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

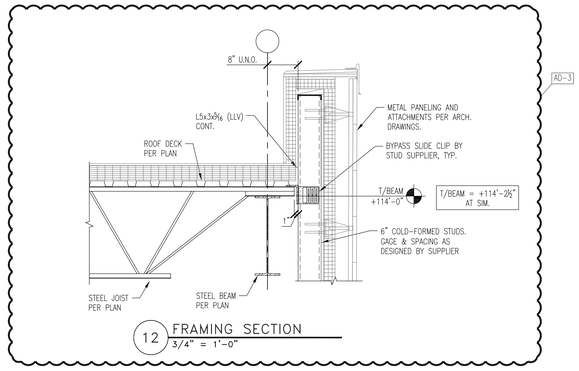
MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
FOUNDATION SECTIONS & DETAILS

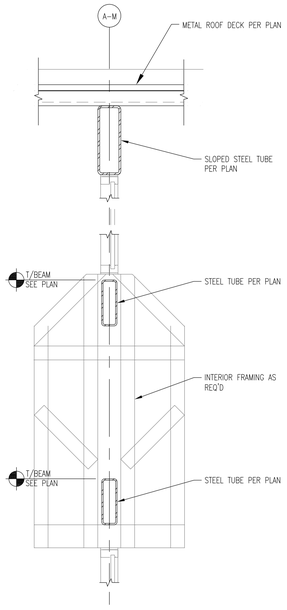
PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

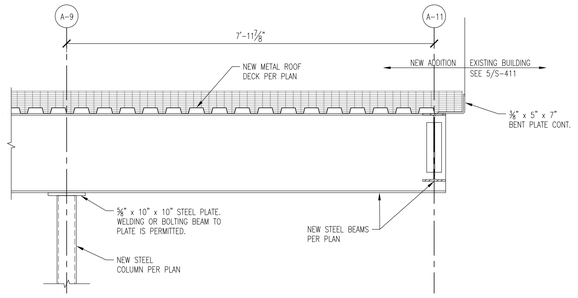
SHEET
S-401



12 FRAMING SECTION
3/4" = 1'-0"

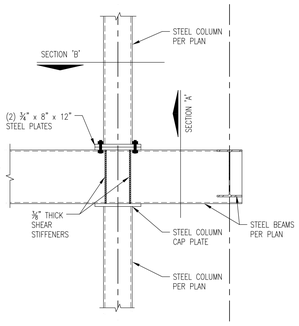


8 FRAMING SECTION
3/4" = 1'-0"

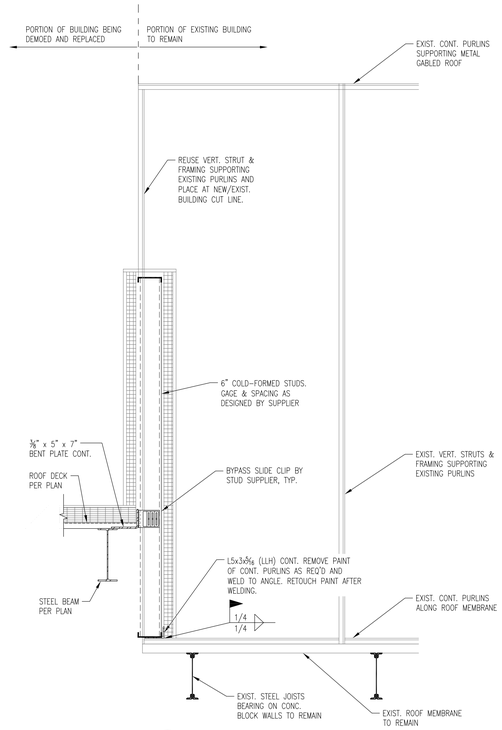


11 FRAMING SECTION
3/4" = 1'-0"

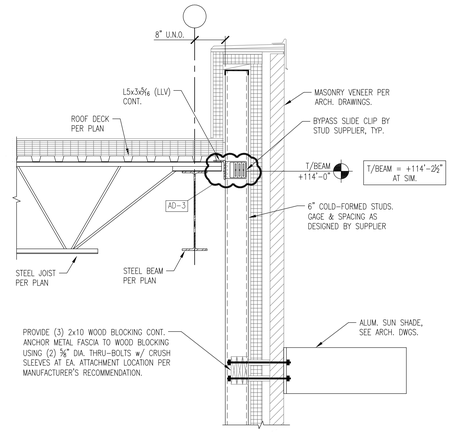




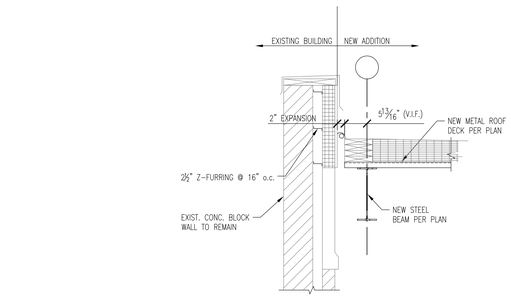
7 FRAMING SECTION
3/4" = 1'-0"



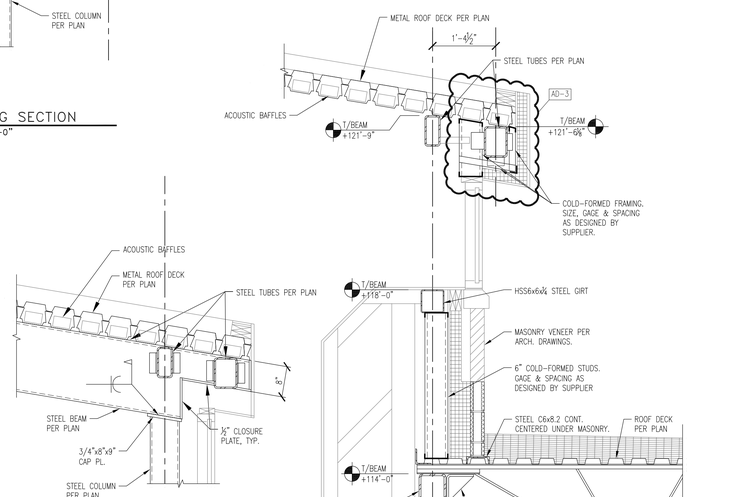
5 FRAMING SECTION
3/4" = 1'-0"



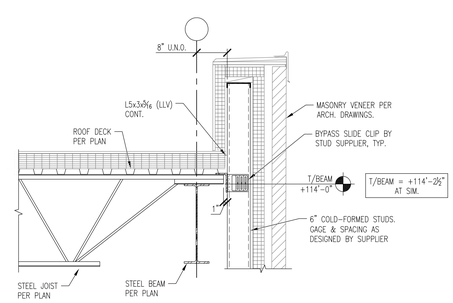
3 FRAMING SECTION
3/4" = 1'-0"



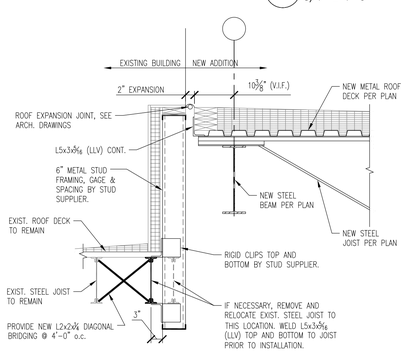
10 FRAMING SECTION
3/4" = 1'-0"



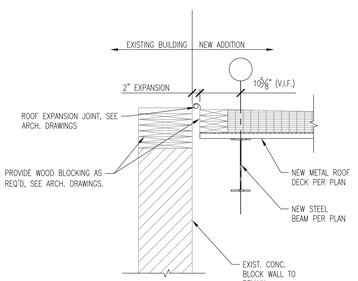
4 FRAMING SECTION
3/4" = 1'-0"



2 FRAMING SECTION
3/4" = 1'-0"



9 FRAMING SECTION
3/4" = 1'-0"



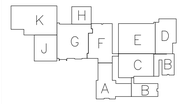
6 FRAMING SECTION
3/4" = 1'-0"

1 FRAMING SECTION
3/4" = 1'-0"

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY SAC
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLOSE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

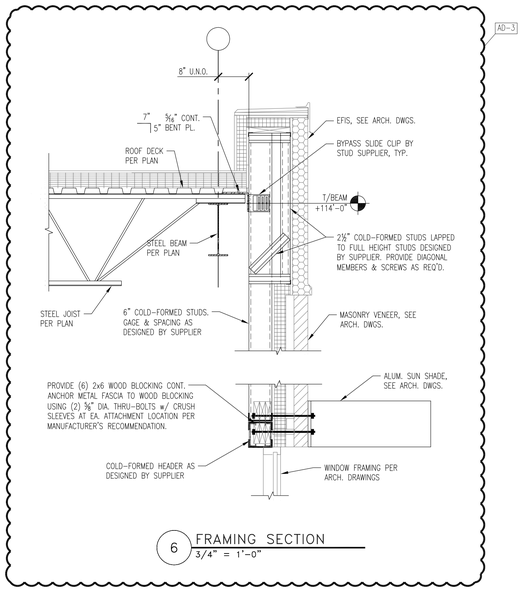
DRAWING
FRAMING/STRUCTURAL DETAILS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

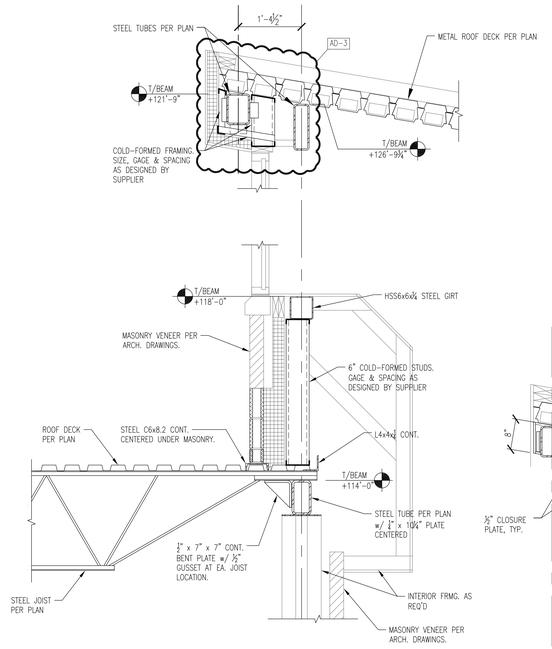
© GIBRALTAR DESIGN

SHEET
S-411

Wednesday, 4/21/2021 - 5:53 PM - LAST SAVED BY:NFELLER
F:\2020\20120_HANOVER CENTRAL HS ADDNS & RENOV\S410.DWG



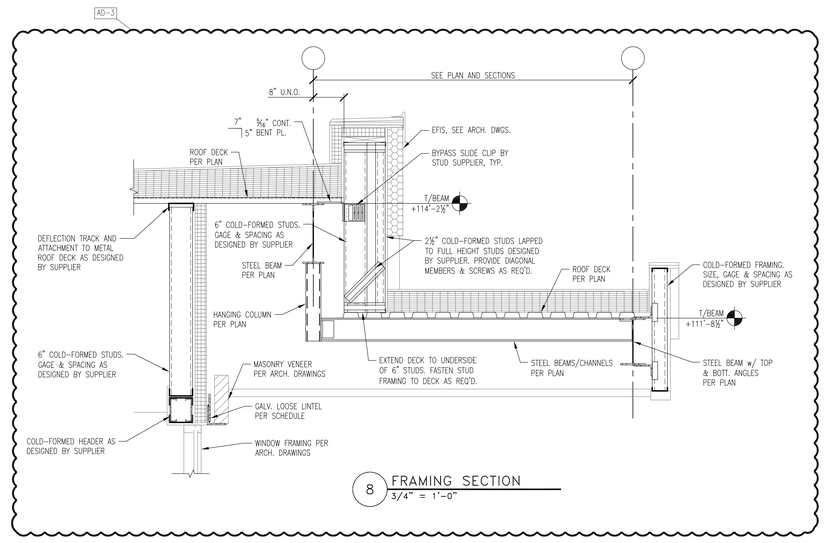
6 FRAMING SECTION
3/4" = 1'-0"



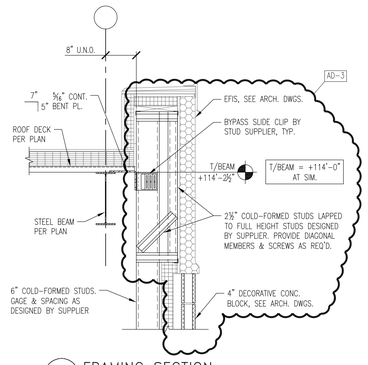
3 FRAMING SECTION
3/4" = 1'-0"

AT TYPICAL

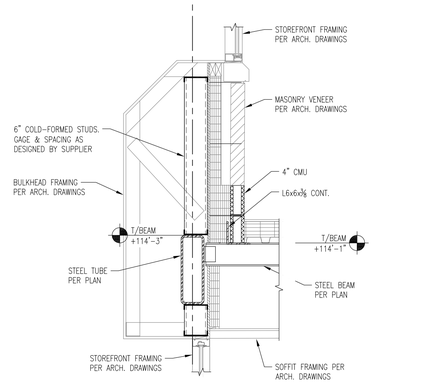
AT COLUMNS



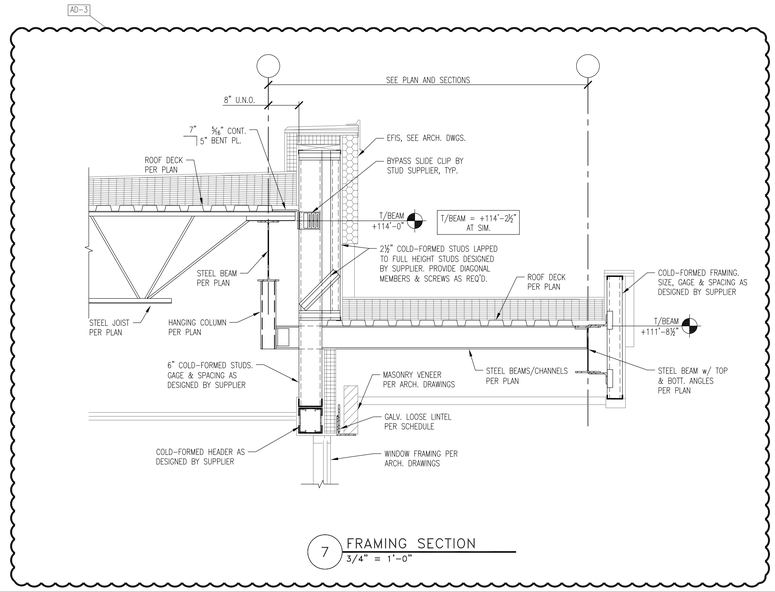
8 FRAMING SECTION
3/4" = 1'-0"



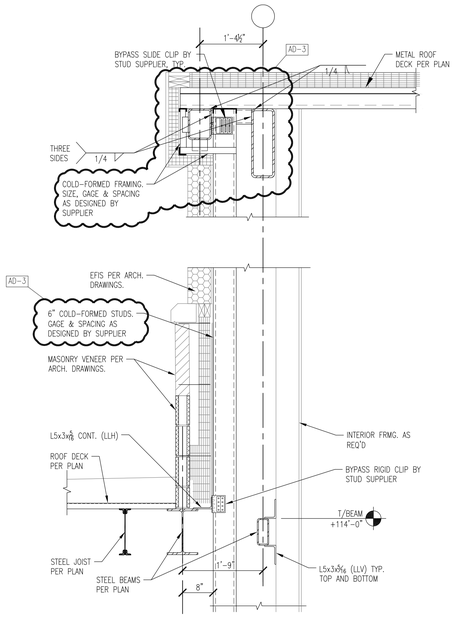
5 FRAMING SECTION
3/4" = 1'-0"



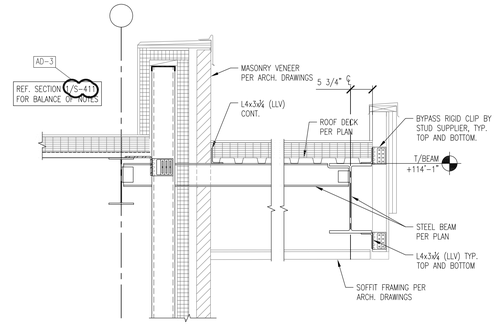
2 FRAMING SECTION
3/4" = 1'-0"



7 FRAMING SECTION
3/4" = 1'-0"



4 FRAMING SECTION
3/4" = 1'-0"

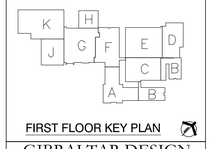


1 FRAMING SECTION
3/4" = 1'-0"

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY SAC
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLOSE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

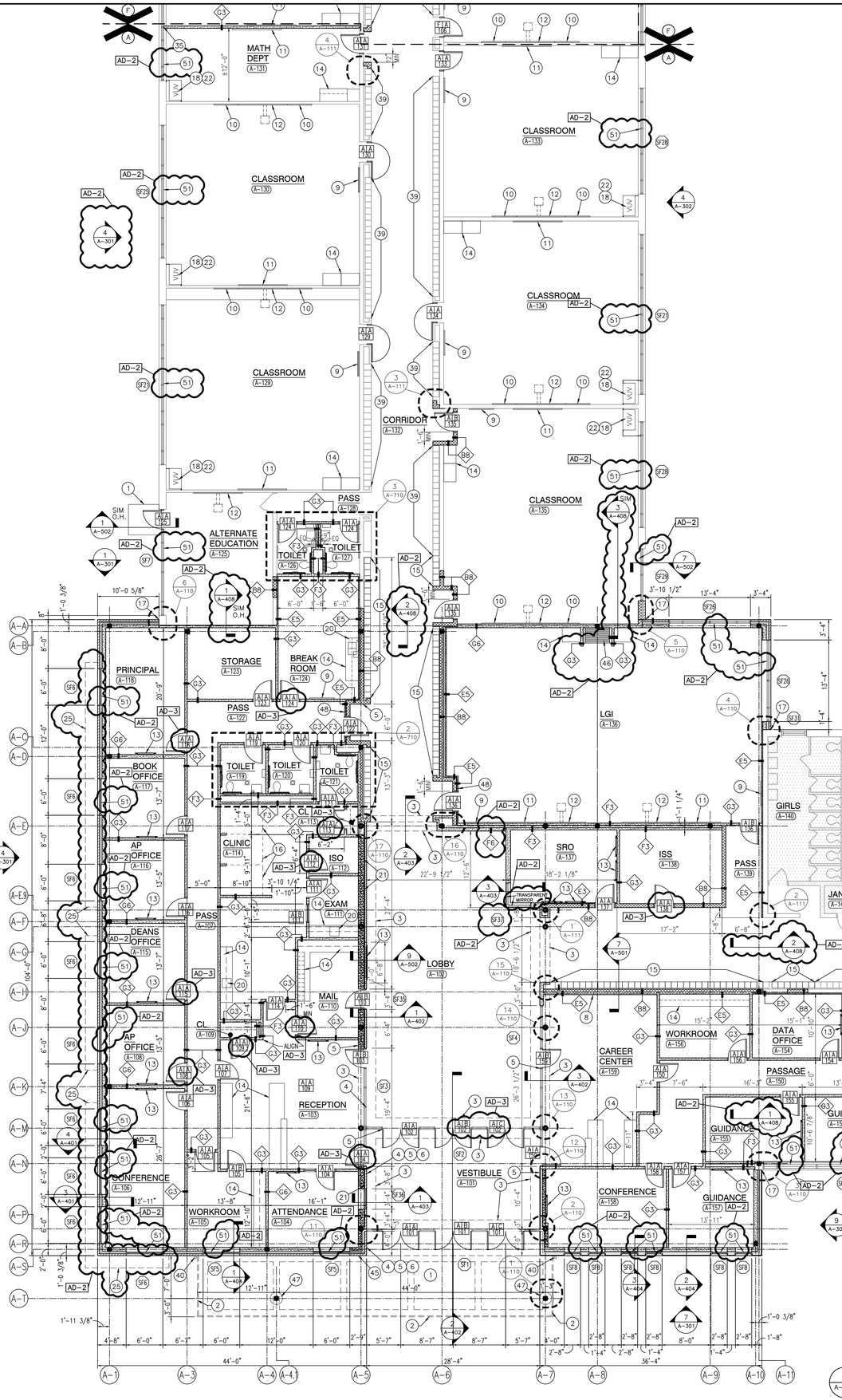
DRAWING
FRAMING/STRUCTURAL DETAILS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

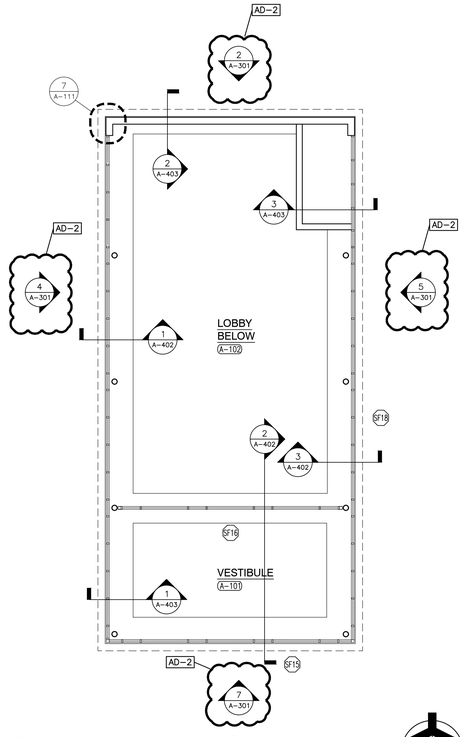
© GIBRALTAR DESIGN

SHEET
S-412

Thursday, 4/22/2021 - 1:19 PM - LAST SAVED BY:NFELLER
F:\2020\20120 HANOVER CENTRAL HS ADDNS & RENOV\S410.DWG



1 A-101 **UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN**
SCALE: 1/8" = 1'-0"



2 A-101 **UNIT "A" CLERESTORY PLAN**
SCALE: 1/8" = 1'-0"

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 NOTED 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. 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.

K. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

L. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

M. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.

N. CONTRACTOR IS TO PAINT ALL STEEL LINTELS ABOVE ALL NEW WINDOW LOCATIONS BOTH INTERIOR AND EXTERIOR SIDES.

O. ALL EXISTIGN DOOR FRAMES TO BE PROPERLY PREPARED FOR NEW PAINT ON WALLS. PROVIDE NEW SEALANT FULL PERIMETER BOTH SIDES OF FRAME.

P. ALL CLASSROOMS WITH GYPSUM PARTITIONS ABUTTING MASONRY WALLS REMOVE LOOSE SEALANT COMPLETE AND INSTALL NEW SEALANT FULL HEIGHT OF WALL. AD-2

PLAN LEGEND:

INDICATES 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 VOID SLAB/WALK. REFER TO STRUCTURAL DRAWINGS.
2. LINE OF NEW CANOPY. REFER TO SECTIONS.
3. DASH LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
4. PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
5. CARD/FOB READER, REFER TO ELECTRICAL DRAWINGS.
6. AI DEVICE, REFER TO ELECTRICAL DRAWINGS.
7. MIRROR, REFER TO EQUIPMENT DRAWINGS.
8. TACKABLE SURFACE, REFER TO EQUIPMENT DRAWINGS.
9. 4'-0" W x 4'-0" H TACK BOARD. — 1 A-501
10. 4'-0" W x 4'-0" H MARKER BOARD. — 1 A-501
11. 8'-0" W x 4'-0" H MARKER BOARD. — 1 A-501
12. 8'-0" W x 4'-0" H PROJECTABLE MARKER BOARD. — 1 A-501
13. TV MONITOR (OFOI). SEE TECHNOLOGY DRAWINGS.
14. CASEWORK AND/OR MILLWORK, REFER TO EQUIPMENT PLANS.
15. NEW/SALVAGED METAL LOCKERS. PROVIDE NEW CLOSURES AS REQUIRED FOR NEW CONSTRUCTION. REFER TO EQUIPMENT PLANS.
16. CURTAIN AND TRACK (6" RADIUS AT CORNER). — 4 A-501
17. SEALANT JOINT.
18. UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
19. NEW GAS KILN OFCI, REFER TO MEP DRAWINGS. AD-3
20. PLUMBING FIXTURE, REFER TO EQUIPMENT DRAWINGS AND PLUMBING DRAWINGS.
21. COLD-FORMED STUD FRAMING. AD-2
22. UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION. — 6 A-501
23. REFER TO CIVIL DRAWINGS FOR NEW REINFORCED WALKS.
24. EXTEND CMU WALL TO DECK ABOVE. COORDINATE WITH EXISTING WALL CONSTRUCTION BELOW. MATCH BOND & PATTERN
25. ALUMINUM SUNSHADE.
26. EXPOSED CMU WALL CONSTRUCTION THIS ROOM PATCH/REPAIR/TOOTH-IN TO MATCH COURSING BOND PATTERN OF WALL. AD-2
27. NEW LADDER — 3 A-501
28. NEW PAINTED GUARD RAIL TO MATCH EXISTING — 3 A-501
29. PATCH/REPAIR PLATFORM/CONCRETE TO RETURN TO LIKE NEW CONDITION
30. EXISTING STEEL GATE AND GUARD RAIL TO REMAIN INITIAL/NEW GUARD RAIL STRUCTURE AS REQUIRED TO ENSURE STRUCTURAL STABILITY OF ASSEMBLY. PAINT GUARD RAIL ASSEMBLY COMPLETE. — 3 A-502
31. EXISTING STEEL GUARD RAIL TO BE EXTENDED TO 42" AFF. PAINT GUARD RAIL ASSEMBLY COMPLETE. — 3 A-502
32. CLEAN EXISTING CMU AND MOTOR JOINTS OF ALL EFFLORESCENCE FULL EXTENT OF HEIGHT OF WALL. AD-2
33. ELEVATED PLATFORM. ALIGN WITH EXISTING FLOOR SLAB.
34. REPLACE EXISTING DUST COLLECTION SYSTEM. REFER TO MEP FOR ADDITIONAL INFORMATION.
35. CENTER NEW WALL ON WINDOW MULLION.
36. REFER TO DETAIL FOR SILL AT NEW DOOR. — 2 A-502
37. REFER TO DETAIL FOR HEAD CONDITION REPAIR AT STOREFRONT REPLACEMENT. — 5 A-502
38. REFER TO DETAIL FOR SILL CONDITION REPAIR AT STOREFRONT REPLACEMENT. — 4 A-502
39. TEMPORARILY REMOVE PUSHED-IN METAL LOCKERS AND RESET FRAMING AS REQUIRED. REINSTALL METAL LOCKERS TO FLUSH OUT WITH CORRIDOR WALL. PROVIDE NEW CLOSURES AS REQUIRED FOR NEW CONSTRUCTION.
40. 4"X4" DOWNSPOUT WITH DOWNSPOUT SHOE.
41. 4"X4" DOWNSPOUT.
42. INTEGRAL COLORED CMU TO MATCH EXISTING SMOOTH FACED.
43. TOOTH IN NEW CMU TO MATCH EXISTING COLOR, TEXTURE, AND PATTERN OF EXISTING CMU. UTILIZE BULL NOSED UNITS ON OUTSIDE CORNER.
44. EXTEND NEW CMU TO MATCH EXISTING INTERIOR WYTHE CMU FULL HEIGHT OF OPENING.
45. KNOX BOX.
46. FOLDING PARTITION HEAD. AD-2 — 11 A-502
47. 2'-0" ϕ x 3'-4" H CONCRETE COLUMN BASE, REFER TO STRUCTURAL.
48. HOLD METAL PANEL OFF MASONRY WALL 3/4".
49. MARKER BOARD SURFACE, REFER TO EQUIPMENT DRAWINGS.
50. ORNAMENTAL FENCE WITH MASONRY PIERS, REFER TO CIVIL DRAWINGS.
51. MANUAL SHADES. REFER TO SPECIFICATIONS. AD-2

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY TA PD
CHECKED BY DBI DBu

REGISTERED MICHAEL L. ROSSELLO NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING

UNIT "A", ARCHITECTURAL FIRST FLOOR PLAN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET A-101

Friday, 4/23/2021 - 8:11 AM - LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-101.DWG

(24) EXTEND CMU WALL TO DECK ABOVE. COORDINATE WITH EXISTING WALL CONSTRUCTION BELOW. MATCH BOND & PATTERN
(25) ALUMINUM SUNSHADE.
(26) EXPOSED CMU WALL CONDITION. TUCK POINT PATCH/REPAIR/TOOTH-IN TO MATCH COURSING BOND PATTERN OF WALL.
(27) NEW LADDER — 3/A-502, 3/A-502
(28) NEW PAINTED GUARD RAIL TO MATCH EXISTING
(29) PATCH/REPAIR PLATFORM/CONCRETE TO RETURN TO LIKE NEW CONDITION
(30) EXISTING STEEL GATE AND GUARD RAIL TO REMAIN INITIAL/NEW GUARD RAIL STRUCTURE AS REQUIRED TO ENSURE STRUCTURAL STABILITY OF ASSEMBLY. PAINT GUARD RAIL ASSEMBLY COMPLETE — 2/A-502, 3/A-502
(31) EXISTING STEEL GUARD RAIL TO BE EXTENDED TO 42" AFF. PAINT GUARD RAIL ASSEMBLY COMPLETE.
(32) CLEAN EXISTING CMU AND MOTOR JOINTS OF ALL EFFLORESCENCE FULL EXTENT OF HEIGHT OF WALL. — AD-2
(33) ELEVATED PLATFORM. ALIGN WITH EXISTING FLOOR SLAB.
(34) REPLACE EXISTING DUST COLLECTION SYSTEM. REFER TO MEP FOR ADDITIONAL INFORMATION.
(35) CENTER NEW WALL ON WINDOW MULLION.
(36) REFER TO DETAIL FOR SILL AT NEW DOOR. — 2/A-502
(37) REFER TO DETAIL FOR HEAD CONDITION REPAIR AT STOREFRONT REPLACEMENT. — 5/A-502
(38) REFER TO DETAIL FOR SILL CONDITION REPAIR AT STOREFRONT REPLACEMENT. — 4/A-502
(39) TEMPORARILY REMOVE PUSHED-IN METAL LOCKERS AND RESET FRAMING AS REQUIRED. REINSTALL METAL LOCKERS TO FLUSH OUT WITH CORRIDOR WALL. PROVIDE NEW CLOSURES AS REQUIRED FOR NEW CONSTRUCTION.
(40) 4"X4" DOWNSPOUT WITH DOWNSPOUT SHOE.
(41) 4"X4" DOWNSPOUT.
(42) INTEGRAL COLORED CMU TO MATCH EXISTING SMOOTH FACED.
(43) TOOTH IN NEW CMU TO MATCH EXISTING COLOR, TEXTURE, AND PATTERN OF EXISTING CMU. UTILIZE BULL NOSED UNITS ON OUTSIDE CORNER.
(44) EXTEND NEW CMU TO MATCH EXISTING INTERIOR WYTHE CMU FULL HEIGHT OF OPENING.
(45) KNOX BOX.
(46) FOLDING PARTITION HEAD. — AD-2, 1/A-502
(47) 2'-0" ø x 3'-4" H CONCRETE COLUMN BASE, REFER TO STRUCTURAL.
(48) HOLD METAL PANEL OFF MASONRY WALL 3/4".
(49) MARKER BOARD SURFACE, REFER TO EQUIPMENT DRAWINGS.
(50) ORNAMENTAL FENCE WITH MASONRY PIERS. REFER TO CIVIL DRAWINGS.
(51) MANUAL SHADES. REFER TO SPECIFICATIONS. — AD-2

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 NOTED 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. 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.
K. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.
L. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
M. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.
N. CONTRACTOR IS TO PAINT ALL STEEL LINTELS ABOVE ALL NEW WINDOW LOCATIONS BOTH INTERIOR AND EXTERIOR SIDES.
O. ALL EXISTIGN DOOR FRAMES TO BE PROPERLY PREPARED FOR NEW PAINT ON WALLS. PROVIDE NEW SEALANT FULL PERIMETER BOTH SIDES OF FRAME
P. ALL CLASSROOMS WITH GYPSUM PARTITIONS ABUTTING MASONRY WALLS REMOVE LOOSE SEALANT COMPLETE AND INSTALL NEW SEALANT FULL HEIGHT OF WALL. — AD-2

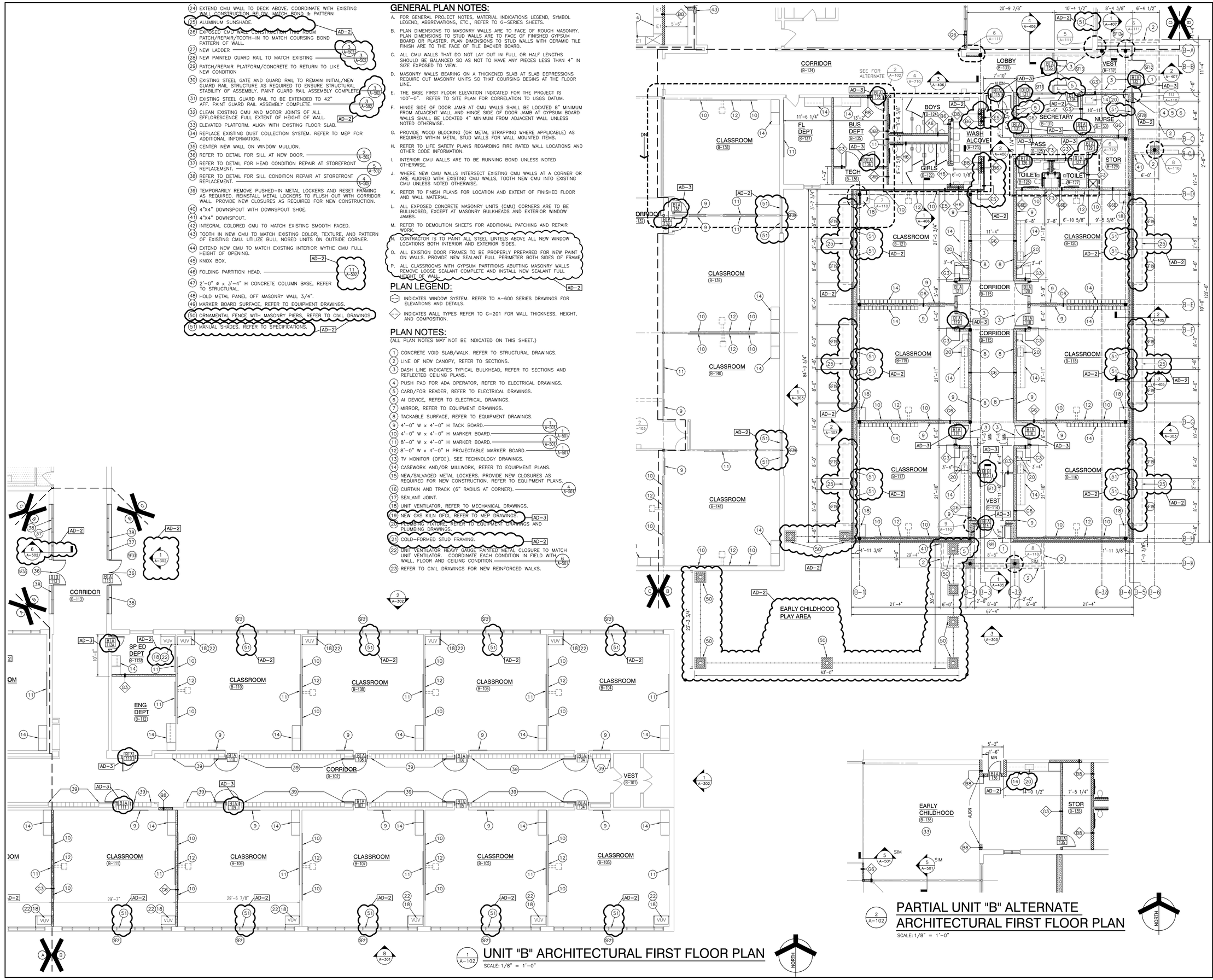
PLAN LEGEND:

INDICATES 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 VOID SLAB/WALK. REFER TO STRUCTURAL DRAWINGS.
(2) LINE OF NEW CANOPY, REFER TO SECTIONS.
(3) DASH LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
(4) PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
(5) CARD/FOB READER, REFER TO ELECTRICAL DRAWINGS.
(6) AI DEVICE, REFER TO ELECTRICAL DRAWINGS.
(7) MIRROR, REFER TO EQUIPMENT DRAWINGS.
(8) TACKABLE SURFACE, REFER TO EQUIPMENT DRAWINGS.
(9) 4'-0" W x 4'-0" H TACK BOARD. — 1/A-501
(10) 4'-0" W x 4'-0" H MARKER BOARD. — 1/A-501
(11) 8'-0" W x 4'-0" H MARKER BOARD. — 1/A-501
(12) 8'-0" W x 4'-0" H PROJECTABLE MARKER BOARD. — 1/A-501
(13) TV MONITOR (OFOI). SEE TECHNOLOGY DRAWINGS.
(14) CASEWORK AND/OR MILLWORK, REFER TO EQUIPMENT PLANS.
(15) NEW/SALVAGED METAL LOCKERS. PROVIDE NEW CLOSURES AS REQUIRED FOR NEW CONSTRUCTION. REFER TO EQUIPMENT PLANS.
(16) CURTAIN AND TRACK (6" RADIUS AT CORNER). — 4/A-501
(17) SEALANT JOINT.
(18) UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
(19) NEW GAS KILN OFCI, REFER TO MEP DRAWINGS. — AD-3
(20) PLUMBING FIXTURE, REFER TO EQUIPMENT DRAWINGS AND PLUMBING DRAWINGS.
(21) COLD-FORMED STUD FRAMING. — AD-2
(22) UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION. — 6/A-501
(23) REFER TO CIVIL DRAWINGS FOR NEW REINFORCED WALKS.



1/A-102 UNIT "B" ARCHITECTURAL FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

2/A-102 PARTIAL UNIT "B" ALTERNATE ARCHITECTURAL FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

Friday, 4/23/2021 - 8:12 AM - LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\05 ARCH\A-102.DWG

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY TA PD
CHECKED BY DBI DBu

MICHAEL L. ROSILLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

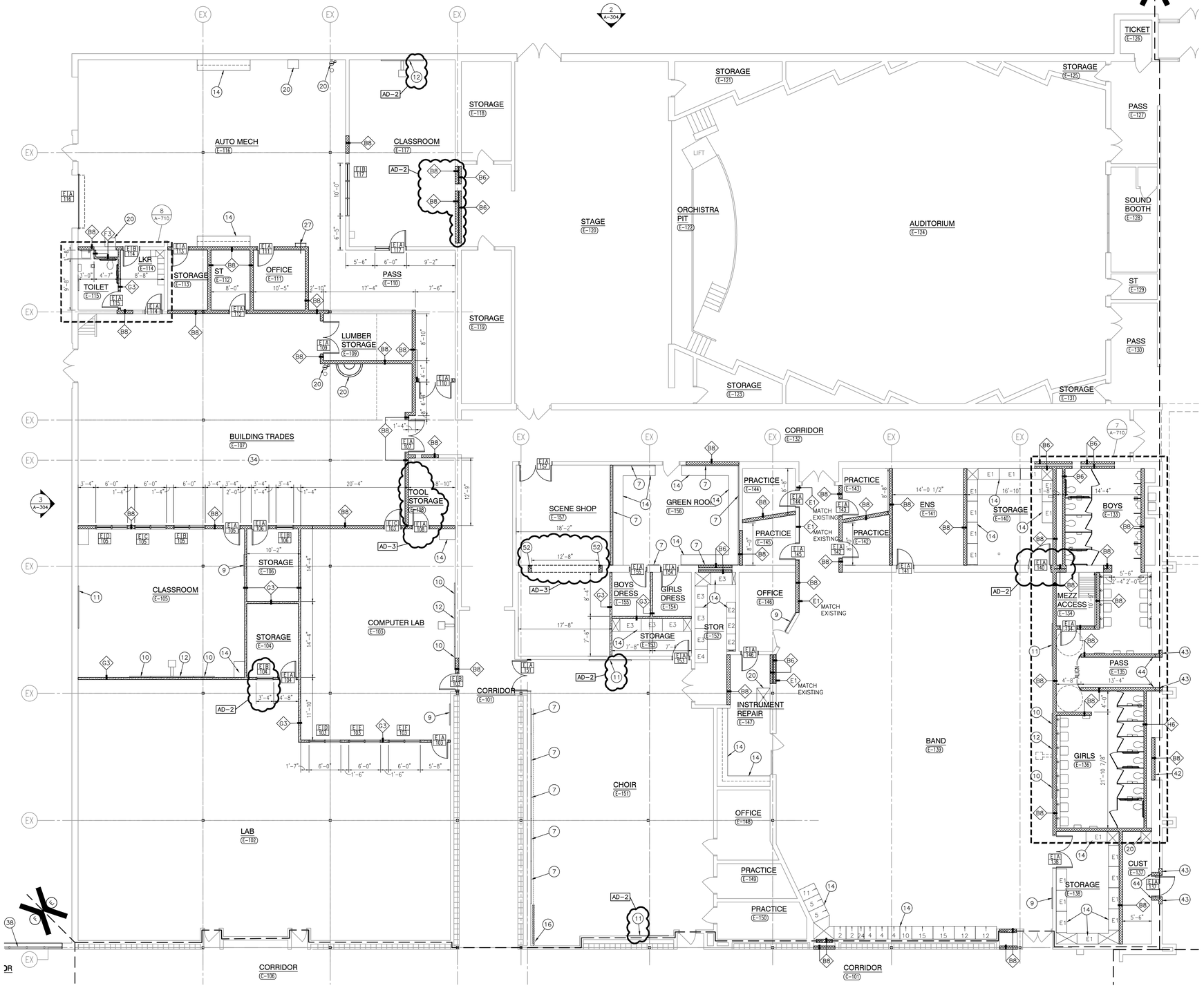
MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "B" ARCHITECTURAL FIRST FLOOR AND ALTERNATE PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
B
A-102



UNIT "E" ARCHITECTURAL FIRST FLOOR PLAN

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

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 NOTED 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. 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.

K. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

L. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

M. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.

N. CONTRACTOR IS TO PAINT ALL STEEL LINTELS ABOVE ALL NEW WINDOW LOCATIONS BOTH INTERIOR AND EXTERIOR SIDES.

O. ALL EXISTIGN DOOR FRAMES TO BE PROPERLY PREPARED FOR NEW PAINT ON WALLS. PROVIDE NEW SEALANT FULL PERIMETER BOTH SIDES OF FRAME.

P. ALL CLASSROOMS WITH GYPSUM PARTITIONS ABUTTING MASONRY WALLS REMOVE LOOSE SEALANT COMPLETE AND INSTALL NEW SEALANT FULL HEIGHT OF WALL. AD-2

PLAN LEGEND:

INDICATES 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 VOID SLAB/WALK. REFER TO STRUCTURAL DRAWINGS.
2. LINE OF NEW CANOPY. REFER TO SECTIONS.
3. DASH LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
4. PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL DRAWINGS.
5. CARD/FOB READER, REFER TO ELECTRICAL DRAWINGS.
6. AI DEVICE, REFER TO ELECTRICAL DRAWINGS.
7. MIRROR, REFER TO EQUIPMENT DRAWINGS.
8. TACKABLE SURFACE, REFER TO EQUIPMENT DRAWINGS.
9. 4'-0" W x 4'-0" H TACK BOARD. — 1 A-501
10. 4'-0" W x 4'-0" H MARKER BOARD. — 1 A-501
11. 8'-0" W x 4'-0" H MARKER BOARD. — 1 A-501
12. 8'-0" W x 4'-0" H PROJECTABLE MARKER BOARD. — 1 A-501
13. TV MONITOR (OFOI). SEE TECHNOLOGY DRAWINGS.
14. CASEWORK AND/OR MILLWORK, REFER TO EQUIPMENT PLANS.
15. NEW/SALVAGED METAL LOCKERS. PROVIDE NEW CLOSURES AS REQUIRED FOR NEW CONSTRUCTION. REFER TO EQUIPMENT PLANS.
16. CURTAIN AND TRACK (6" RADIUS AT CORNER). — 4 A-501
17. SEALANT JOINT.
18. UNIT VENTILATOR, REFER TO MECHANICAL DRAWINGS.
19. NEW GAS KILN OFCI, REFER TO MEP DRAWINGS. — AD-3
20. PLUMBING FIXTURE, REFER TO EQUIPMENT DRAWINGS AND PLUMBING DRAWINGS.
21. COLD-FORMED STUD FRAMING. — AD-2
22. UNIT VENTILATOR HEAVY GAUGE PAINTED METAL CLOSURE TO MATCH UNIT VENTILATOR. COORDINATE EACH CONDITION IN FIELD WITH WALL, FLOOR AND CEILING CONDITION. — 6 A-501
23. REFER TO CIVIL DRAWINGS FOR NEW REINFORCED WALKS.
24. EXTEND CMU WALL TO DECK ABOVE. COORDINATE WITH EXISTING WALL CONSTRUCTION BELOW, MATCH BOND & PATTERN
25. ALUMINUM SUNSHADE. — AD-2
26. EXPOSED CMU WALL CONSTRUCTION THE ROOM PATCH/REPAIR/TOOTH-IN TO MATCH COURSING BOND PATTERN OF WALL. — AD-2
27. NEW LADDER — 3 A-502, 3 A-502
28. NEW PAINTED GUARD RAIL TO MATCH EXISTING
29. PATCH/REPAIR PLATFORM/CONCRETE TO RETURN TO LIKE NEW CONDITION
30. EXISTING STEEL GATE AND GUARD RAIL TO REMAIN INITIAL/NEW GUARD RAIL STRUCTURE AS REQUIRED TO ENSURE STRUCTURAL STABILITY OF ASSEMBLY. PAINT GUARD RAIL ASSEMBLY COMPLETE. — 3 A-502, 3 A-502
31. EXISTING STEEL GUARD RAIL TO BE EXTENDED TO 42" AFF. PAINT GUARD RAIL ASSEMBLY COMPLETE. — AD-2
32. CLEAN EXISTING CMU AND MOTOR JOINTS OF ALL EFFLORESCENCE FULL EXTENT OF HEIGHT OF WALL.
33. ELEVATED PLATFORM. ALIGN WITH EXISTING FLOOR SLAB.
34. REPLACE EXISTING DUST COLLECTION SYSTEM. REFER TO MEP FOR ADDITIONAL INFORMATION.
35. CENTER NEW WALL ON WINDOW MULLION.
36. REFER TO DETAIL FOR SILL AT NEW DOOR. — 2 A-502
37. REFER TO DETAIL FOR HEAD CONDITION REPAIR AT STOREFRONT REPLACEMENT. — 5 A-502
38. REFER TO DETAIL FOR SILL CONDITION REPAIR AT STOREFRONT REPLACEMENT. — 4 A-502
39. TEMPORARILY REMOVE PUSHED-IN METAL LOCKERS AND RESET FRAMING AS REQUIRED. REINSTALL METAL LOCKERS TO FLUSH OUT WITH CORRIDOR WALL. PROVIDE NEW CLOSURES AS REQUIRED FOR NEW CONSTRUCTION.
40. 4"X4" DOWNSPOUT WITH DOWNSPOUT SHOE.
41. 4"X4" DOWNSPOUT.
42. INTEGRAL COLORED CMU TO MATCH EXISTING SMOOTH FACED.
43. TOOTH IN NEW CMU TO MATCH EXISTING COLOR, TEXTURE, AND PATTERN OF EXISTING CMU. UTILIZE BULL NOSED UNITS ON OUTSIDE CORNER.
44. EXTEND NEW CMU TO MATCH EXISTING INTERIOR WYTHE CMU FULL HEIGHT OF OPENING.
45. KNOX BOX. — AD-2
46. FOLDING PARTITION HEAD. — 11 A-502
47. 2'-0" ø x 3'-4" H CONCRETE COLUMN BASE, REFER TO STRUCTURAL.
48. HOLD METAL PANEL OFF MASONRY WALL 3/4".
49. MARKER BOARD SURFACE, REFER TO EQUIPMENT DRAWINGS.
50. ORNAMENTAL FENCE WITH MASONRY PIERS, REFER TO CIVIL DRAWINGS.
51. MANUAL SHADES. REFER TO SPECIFICATIONS. — AD-2
52. TOOTH IN NEW BULLNOSE CMU. — AD-3

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY TA PD
CHECKED BY DBI DBu

MICHAEL L. ROSILIO — REGISTERED — NO. AR11600005 — STATE OF INDIANA — LICENSED ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

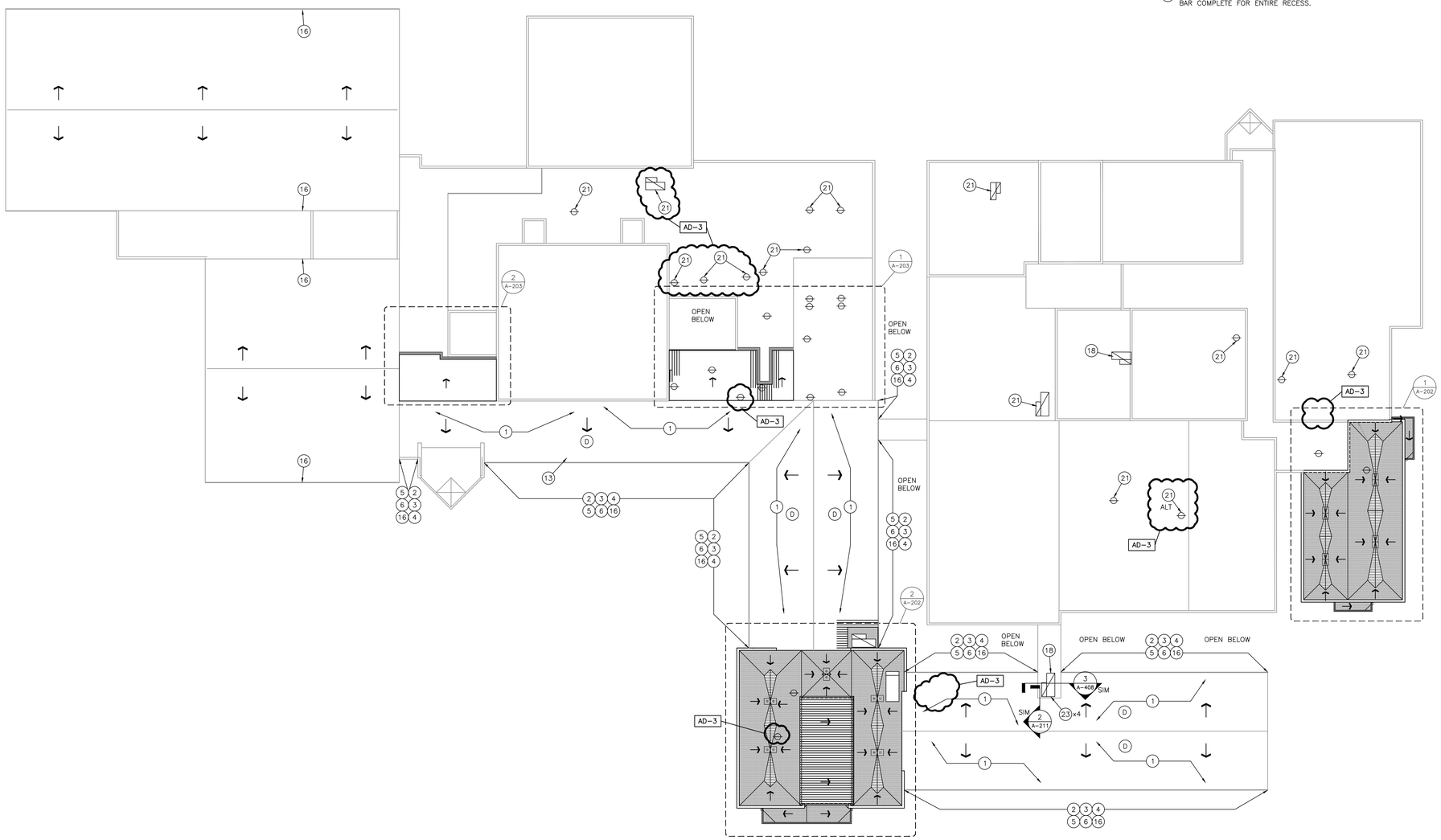
DRAWING
UNIT "E" ARCHITECTURAL FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
E
A-105

Friday, 4/23/2021 - 10:52 AM - LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-105.DWG



OVERALL ARCHITECTURAL ROOF PLAN

SCALE: 1/32" = 1'-0"

NORTH

AD-2
20 DOWNSPOUT.
21 ROOF EQUIPMENT. — 3 A-210
22 NEW GUTTER AND (2) DOWNSPOUT ASSEMBLIES. MATCH EXISTING IN SIZE, SHAPE AND PROFILE. — 1 A-211
23 PITCH POCKET.
24 WRAP MEMBRANE FLASHING AND COUNTERFLASHING ALONG TERMINATION BAR AT METAL PANEL, OVERLAP BEHIND METAL PANEL WITH MEMBRANE FLASHING. REMOVE AND REINSTALL METAL COPING CAP AS REQUIRED TO FLASH AND COUNTERFLASH WALL.
25 WRAP MEMBRANE AND MEMBRANE IN BASIN AND UP WALL CONDITION. PROVIDE NEW FLASHING, COUNTERFLASHING AND TERMINATION BAR AS REQUIRED FOR WATERTIGHT CONDITIONS.
AD-2
26 LINE OF WALL BELOW
27 ALUMINUM SCUPPER AND SLEEVE. — 11 A-210
28 ROOF EDGE. — 1 A-212
29 ROOF EDGE. — 2 A-212
30 ROOF EDGE. — 3 A-212
31 ROOF EDGE. — 4 A-212
32 ROOF EDGE. — 5 A-212
33 ROOF EDGE. — 6 A-212
34 ROOF EDGE. — 7 A-212
35 METAL PANEL AT CANOPY. — 8 A-212
36 METAL PANEL AT CANOPY. — 9 A-212
37 EXPANSION JOINT. — 10 A-212
38 EXPANSION JOINT. — 11 A-212
39 EXPANSION JOINT. — 12 A-212
40 METAL PANEL AT CANOPY. — 13 A-212
41 WRAP COMPOSITE METAL PANEL AROUND CORNER.
42 COMPOSITE METAL PANEL.

ROOF PLAN NOTES:

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

1. EXISTING METAL ROOF TO REMAIN. CLEAN ASSEMBLY TO RETURN TO LIKE NEW APPEARANCE.
2. EXISTING METAL FASCIA AND SOFFIT TO REMAIN. CLEAN AND PAINT ASSEMBLY TO RETURN TO LIKE NEW APPEARANCE.
3. EXISTING METAL GUTTERS TO REMAIN. CLEAN AND PAINT ASSEMBLY TO RETURN TO LIKE NEW APPEARANCE.
4. MODIFY EXISTING GUTTERS TO REMAIN TO RECEIVE NEW DOWNSPOUTS.
5. DEMOLISH EXISTING DOWNSPOUTS, ELBOWS AND ROOF LEADERS COMPLETE TO OUTLET POINT. PROTECT ALL STRUCTURES LEADING TO AND UNDERGROUND.
6. INSTALL NEW DOWNSPOUT ELBOWS AND ROOF LEADERS COMPLETE ON EXISTING BUILDING.
7. OUTLINE OF EXISTING METAL PANEL TO BE DEMOLISHED.
8. DEMOLISH EXISTING VERTICAL METAL WALL PANEL AND HORIZONTAL "Z" PURLINS COMPLETE.
9. DEMOLISH EXISTING FLASHING, COUNTERFLASHING AND TERMINATION BAR COMPLETE. DEMOLISH EXISTING MEMBRANE ROOF AS REQUIRED AND PREPARE TO RECEIVE NEW MEMBRANE ROOF AND WALL CONSTRUCTION.
10. INSTALL NEW ROOF MEMBRANE, BACKER BOARD, FLASHING, COUNTERFLASHING AND TRIM CONTINUOUS UP WALL CONSTRUCTION. PROVIDE WATERTIGHT TERMINATION.
11. INSTALL NEW RAKE TRIM AND DRIP COMPLETE. COLOR TO MATCH EXISTING. — 11 A-211 SIM
12. INFILL EXISTING WINDOW POCKET VOID COMPLETE W/ NEW ROOF, FLASHING AND STRUCTURE TO MATCH EXISTING. — 5 A-211
13. SECURE EXISTING ICE AND SNOW CLIP.
14. DEMOLISH EXISTING ROOF STRUCTURE AND STANDING SEAM ROOF AND ASSEMBLIES TO ACCOMMODATE NEW BUILDING ADDITION AND CONSTRUCTION. SALVAGE EXISTING STANDING SEAM METAL ROOF PANEL, TRIM AND GUTTERS FOR REUSE.
15. CAREFULLY MODIFY EXISTING GUTTER TO REMAIN THIS AREA TO ACCOMMODATE NEW BUILDING ADDITION. PROVIDE NEW GUTTER AND END CAP. USE EXISTING JOINT LINE AS TRANSITION POINT.
16. INSTALL NEW CONTINUOUS MEMBRANE INSIDE GUTTER ASSEMBLY.
17. EXISTING VERTICAL METAL PANEL TO REMAIN. COORDINATE EDGE CONDITION AND PROVIDE CONTINUOUS WATER-TIGHT CONDITION AT TRANSITION WHERE ADJACENT ASSEMBLIES ARE MODIFIED.
18. NEW ROOFTOP EQUIPMENT. EXISTING MECHANICAL CURB TO BE MODIFIED AS REQUIRED TO RECEIVE NEW ROOFTOP UNIT. PROVIDE CAP, CAP FLASHING, MEMBRANE ROOF, FLASHING AND COUNTERFLASHING AS REQUIRED FOR WATER-TIGHT CONDITIONS AND MEET WARRANTY REQUIREMENTS FOR ROOF ASSEMBLY.
19. NEW MEMBRANE ROOF, FLASHING, COUNTERFLASHING AND TERMINATION BAR COMPLETE FOR ENTIRE RECESS.

GENERAL ROOF PLAN NOTES:

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-301.

B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING CONDITIONS AND QUANTITIES OF MATERIALS TO BE REPLACED, WHETHER OR NOT SHOWN IN BID DOCUMENTS.

C. THERE MAY BE LOCATIONS ON THE EXISTING ROOF WHERE THE EXISTING ROOF DECK MAY NOT BE STRUCTURALLY SOUND. CONTRACTORS SHOULD USE EXTREME CAUTION IN WORKING THESE ROOF AREAS TO MAINTAIN SAFE WORKING CONDITIONS.

D. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

E. THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL DAMAGE CAUSED BY THE IMPROPER STORAGE OR STACKING OF ROOFING MATERIALS.

F. ALL DIMENSIONS INDICATED ON THE ROOF PLAN ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR THE EXECUTION OF HIS WORK AND PRIOR TO ANY FABRICATION OF THE VARIOUS MATERIALS.

G. THE ROOF CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING DEMOLITION AND/OR NEW CONSTRUCTION. ROOF CONTRACTOR SHALL INSPECT AND CLEAR ALL DRAINS, SCUPPERS AND DOWNSPOUTS PRIOR TO COMPLETION OF WORK AND TO ENSURE THAT THEY ARE FREE OF DEBRIS AND ARE FUNCTIONING PROPERLY.

H. ROOF DRAIN LOCATION INDICATE DESIGN INTENT. COORDINATE LOCATIONS WITH STRUCTURAL AND MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

I. LOCATION AND QUANTITY OF ALL ROOF DRAINS, FLUES, VENTS, POWER AND GRAVITY VENTILATORS, ETC., SHALL BE VERIFIED BY CONTRACTOR IN FIELD.

J. FOR NEW AND/OR EXISTING PLUMBING VENT LOCATIONS REFER TO MECHANICAL ROOF PLANS.

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

L. PROVIDE NEW FLASHING AND TWO PIECE COUNTER-FLASHING WHERE NEW ROOFING ABUTS A NEW OR EXISTING WALL, UNLESS OTHERWISE NOTED OR DETAILED.

M. PROVIDE FLASHING AND SADDLES FOR ALL EQUIPMENT PROVIDED UNDER MECHANICAL.

N. FLASHING OF ALL VENTS, FAN CURBS, MASONRY WALLS, FLUES, DRAINS, FASCIAS, ETC., SHALL BE PERFORMED IN ACCORDANCE WITH THESE SPECIFICATIONS AND DRAWINGS, AND WITH ROOFING MANUFACTURERS STANDARD DETAILS AND SPECIFICATIONS.

O. CONTRACTOR TO PROVIDE CRICKETS AND/OR ROOF SADDLES AS REQUIRED TO PROMOTE POSITIVE DRAINAGE AROUND ALL ROOF TOP PENETRATIONS.

P. SADDLES AND TAPERED INSULATION SYMBOLS INDICATE DESIGN INTENT TO SLOPES TO DRAIN. CONTRACTOR SHALL PROVIDE SUBMITTAL DRAWINGS FOR TAPERED INSULATION AND SADDLES TO ENSURE POSITIVE SLOPE.

Q. ALL NEW WOOD BLOCKING AND NAILERS SHALL BE TREATED WOOD.

R. DEMOLITION AND REMOVAL OPERATIONS ARE TO BE PERFORMED CARE-FULLY AND ALL PORTIONS OF THE BUILDING SHALL BE PROTECTED DURING THESE OPERATIONS. ITEMS TO BE REUSED AND REINSTALLED ARE TO BE CAREFULLY REMOVED AND STORED. DAMAGES INCURRED DURING REMOVAL OR STORAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

S. REMOVE ALL POWER VENTILATORS, FANS AND GRAVITY VENTILATORS. REPLACE ALL DETERIORATED, LOOSE, OR FAULTY WOOD BLOCKING. REPLACE AND EXTEND CURBS WITH NEW TREATED WOOD BLOCKING WITH TOP AT 12" MINIMUM ABOVE THE NEW ROOFING MEMBRANE. REINSTALL FANS AND VENTILATORS WITH "KORFUND ELASTO-RIB" VIBRATION ELIMINATOR, SET ON THE CURB TOP OF ALL POWER DRIVEN FANS AND VENTS.

T. REMOVE ALL EXISTING ROOF GRAVEL, RESIDUE, AND ALL PROJECTIONS WHICH WOULD PREVENT THE NEW ROOF INSULATION FROM LAYING FLAT OVER THE EXISTING ROOF SURFACES.

U. REMOVE AND CLEAN ROOF DRAIN STRAINERS AND CLAMP RINGS. REINSTALL AFTER NEW ROOF INSULATION AND ROOFING MEMBRANE ARE IN PLACE, ANY BROKEN OR MISSING ROOF DRAIN STRAINER SHALL BE REPLACED WITH A NEW STRAINER.

V. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF ROOF TOP EQUIPMENT TO BE REMOVED.

ROOF LEGEND:

- RELIEF VENT — 7 A-210
- EXHAUST FAN — 3 A-210
- ROOF DRAIN — 5 A-210
- PLUMBING VENT — 6 A-210
- ROOF DRAINAGE SADDLE — 8 A-210
- MECHANICAL UNIT — 3 A-210
- ROOF WALKWAY PADS
- INDICATES ROOF SLOPE (1/4" PER 12")
- HATCH PATTERN INDICATES NEW EPDM ROOFING SYSTEM.
- HATCH PATTERN INDICATES NEW STANDING SEAM ROOFING SYSTEM.
- EXISTING ROOF SYSTEM SHALL REMAIN EXCEPT AS NOTED. PROTECT FROM ADJACENT ROOF WORK.
- HATCH PATTERN INDICATES NEW ROOF AND/OR FLASHING MEMBRANE TO OVERLAP AND TIE INTO EXISTING ROOF MEMBRANE AS REQUIRED TO MAINTAIN EXISTING ROOF WARRANTY.

ROOF TYPES:

(A) EPDM FULLY-ADHERED SINGLE-PLY MEMBRANE (0.060") OVER 1/2" COVER BOARD W/ MINIMUM THICKNESS OF 2" AND AVERAGE THICKNESS OF 4" TAPERED INSULATION SLOPED AT MINIMUM 1/4" PER FOOT.

(B) EPDM FULLY-ADHERED SINGLE-PLY MEMBRANE (0.060") OVER 1/2" COVER BOARD W/ MINIMUM THICKNESS OF 1" AND AVERAGE THICKNESS OF 4" TAPERED INSULATION SLOPED AT MINIMUM 1/4" PER FOOT.

(C) STANDING SEAM METAL ROOF W/ 4" RIGID INSULATION, VAPOR BARRIER AND VENTILATED METAL DECK EXPOSED TO VIEW FROM INSIDE OF BUILDING.

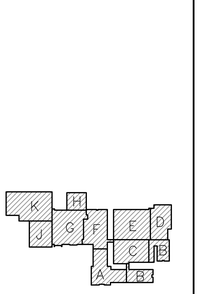
(D) ALTERNATE: STANDING SEAM METAL ROOF TRIM, FASCIA & SOFFIT COMPLETE. ALTERNATE SHALL INCLUDE NEW GUTTERS, DOWNSPOUTS, LEADERS AND ELBOWS. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY TA PD
CHECKED BY DBI DBu

MICHAEL L. POSTLEWAIT REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

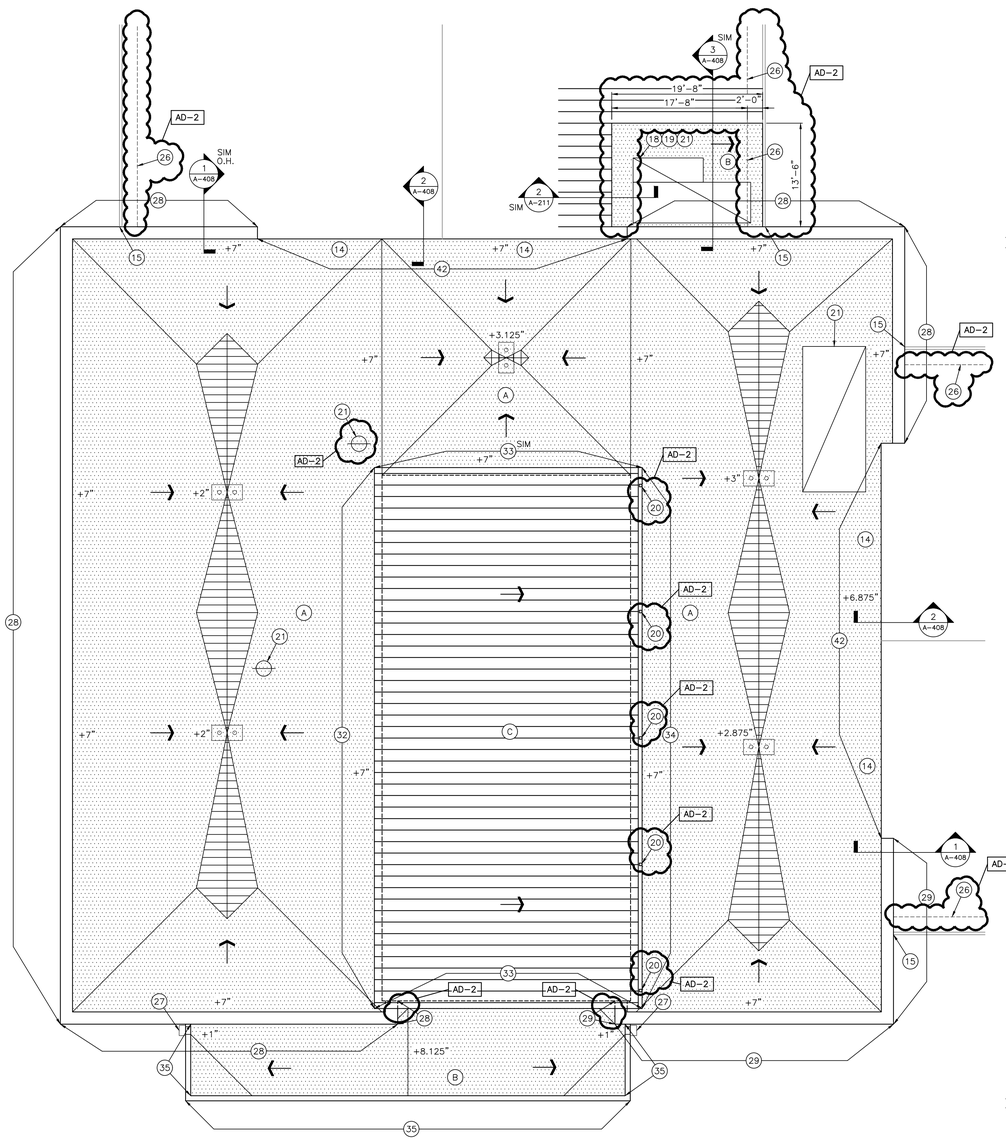
DRAWING
OVERALL ARCHITECTURAL ROOF PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

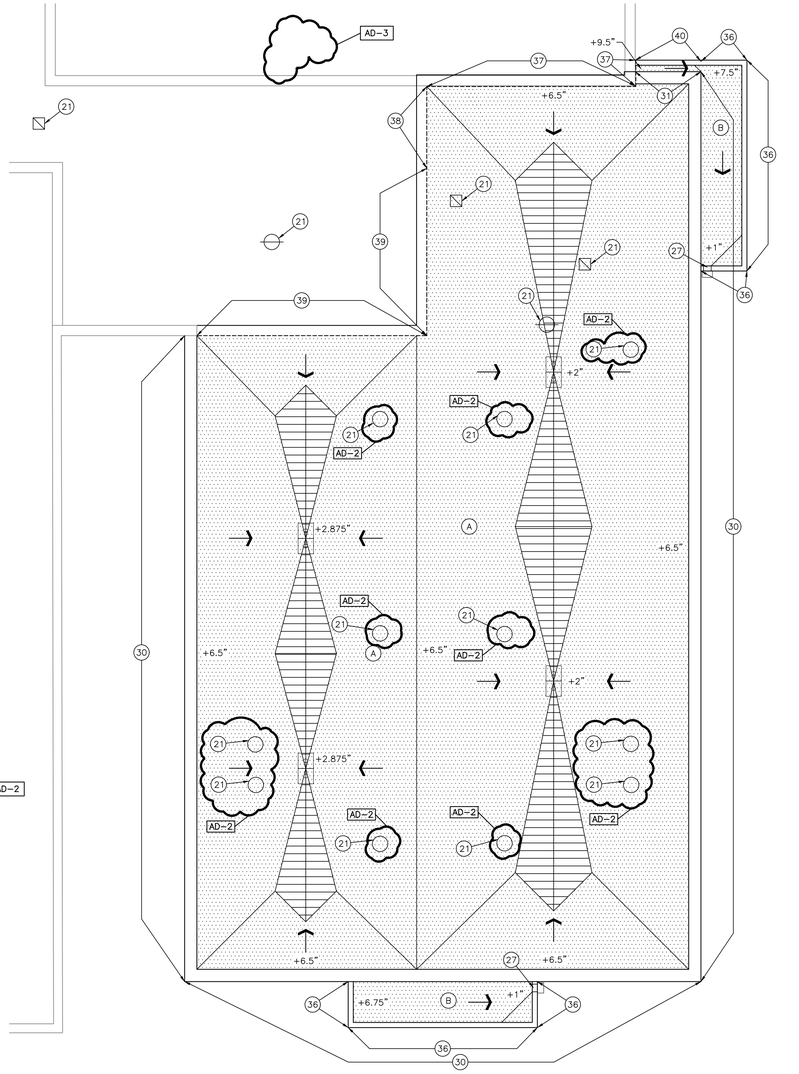
SHEET
A-201

Thursday, 4/22/2021 - 3:12 PM - LAST SAVED BY:PDEGROTHY
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-201.DWG



PARTIAL UNIT "A" ENLARGED ROOF PLAN

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



PARTIAL UNIT "B" ENLARGED ROOF PLAN

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

(20) DOWNSPOUT.
(21) ROOF EQUIPMENT. — 3/A-210
(22) NEW GUTTER AND (2) DOWNSPOUT ASSEMBLIES. MATCH EXISTING IN SIZE, SHAPE AND PROFILE. — 1/A-211
(23) PITCH POCKET.
(24) WRAP MEMBRANE FLASHING AND COUNTERFLASHING ALONG TERMINATION BAR AT METAL PANEL, OVERLAP BEHIND METAL PANEL WITH MEMBRANE FLASHING. REMOVE AND REINSTALL METAL COPING CAP AS REQUIRED TO FLASH AND COUNTERFLASH WALL.
(25) WRAP MEMBRANE AND MEMBRANE IN BASIN AND UP WALL CONDITION. PROVIDE NEW FLASHING, COUNTERFLASHING AND TERMINATION BAR AS REQUIRED FOR WATERTIGHT CONDITIONS.
AD-2 (26) LINE OF WALL BELOW
AD-2 (27) ALUMINUM SCUPPER AND SLEEVE. — 11/A-210
(28) ROOF EDGE. — 1/A-212
(29) ROOF EDGE. — 2/A-212
(30) ROOF EDGE. — 3/A-212
(31) ROOF EDGE. — 4/A-212
(32) ROOF EDGE. — 5/A-212
(33) ROOF EDGE. — 6/A-212
(34) ROOF EDGE. — 7/A-212
(35) METAL PANEL AT CANOPY. — 8/A-212
(36) METAL PANEL AT CANOPY. — 9/A-212
(37) EXPANSION JOINT. — 10/A-212
(38) EXPANSION JOINT. — 11/A-212
(39) EXPANSION JOINT. — 12/A-212
(40) METAL PANEL AT CANOPY. — 13/A-212
(41) WRAP COMPOSITE METAL PANEL AROUND CORNER.
(42) COMPOSITE METAL PANEL.

ROOF PLAN NOTES:

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

1. EXISTING METAL ROOF TO REMAIN. CLEAN ASSEMBLY TO RETURN TO LIKE NEW APPEARANCE.
2. EXISTING METAL FASCIA AND SOFFIT TO REMAIN. CLEAN AND PAINT ASSEMBLY TO RETURN TO LIKE NEW APPEARANCE.
3. EXISTING METAL GUTTERS TO REMAIN. CLEAN AND PAINT ASSEMBLY TO RETURN TO LIKE NEW APPEARANCE.
4. MODIFY EXISTING GUTTERS TO REMAIN TO RECEIVE NEW DOWNSPOUTS.
5. DEMOLISH EXISTING DOWNSPOUTS, ELBOWS AND ROOF LEADERS COMPLETE TO OUTLET POINT. PROTECT ALL STRUCTURES LEADING TO AND UNDERGROUND.
6. INSTALL NEW DOWNSPOUT ELBOWS AND ROOF LEADERS COMPLETE ON EXISTING BUILDING.
7. OUTLINE OF EXISTING METAL PANEL TO BE DEMOLISHED.
8. DEMOLISH EXISTING VERTICAL METAL WALL PANEL AND HORIZONTAL "Z" PURLINS COMPLETE.
9. DEMOLISH EXISTING FLASHING, COUNTERFLASHING AND TERMINATION BAR COMPLETE. DEMOLISH EXISTING MEMBRANE ROOF AS REQUIRED AND PREPARE TO RECEIVE NEW MEMBRANE ROOF AND WALL CONSTRUCTION.
10. INSTALL NEW ROOF MEMBRANE, BACKER BOARD, FLASHING, COUNTERFLASHING AND TRIM CONTINUOUS UP WALL CONSTRUCTION. PROVIDE WATERTIGHT TERMINATION.
11. INSTALL NEW RAKE TRIM AND DRIP COMPLETE. COLOR TO MATCH EXISTING. — SIM 11/A-211
12. INFILL EXISTING WINDOW POCKET VOID COMPLETE W/ NEW ROOF, FLASHING AND STRUCTURE TO MATCH EXISTING. — 5/A-211
13. SECURE EXISTING ICE AND SNOW CLIP.
14. DEMOLISH EXISTING ROOF STRUCTURE AND STANDING SEAM ROOF AND ASSEMBLIES TO ACCOMMODATE NEW BUILDING ADDITION AND CONSTRUCTION. SALVAGE EXISTING STANDING SEAM METAL ROOF PANEL, TRIM AND GUTTERS FOR REUSE.
15. CAREFULLY MODIFY EXISTING GUTTER TO REMAIN THIS AREA TO ACCOMMODATE NEW BUILDING ADDITION. PROVIDE NEW GUTTER AND END CAP. USE EXISTING JOINT LINE AS TRANSITION POINT.
16. INSTALL NEW CONTINUOUS MEMBRANE INSIDE GUTTER ASSEMBLY.
17. EXISTING VERTICAL METAL PANEL TO REMAIN. COORDINATE EDGE CONDITION AND PROVIDE CONTINUOUS WATER-TIGHT CONDITION AT TRANSITION WHERE ADJACENT ASSEMBLIES ARE MODIFIED.
18. NEW ROOFTOP EQUIPMENT. EXISTING MECHANICAL CURB TO BE MODIFIED AS REQUIRED TO RECEIVE NEW ROOFTOP UNIT. PROVIDE CAP, CAP FLASHING, MEMBRANE ROOF, FLASHING AND COUNTERFLASHING AS REQUIRED FOR WATER-TIGHT CONDITIONS AND MEET WARRANTY REQUIREMENTS FOR ROOF ASSEMBLY.
19. NEW MEMBRANE ROOF, FLASHING, COUNTERFLASHING AND TERMINATION BAR COMPLETE FOR ENTIRE RECESS.

GENERAL ROOF PLAN NOTES:

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-301.

B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING CONDITIONS AND QUANTITIES OF MATERIALS TO BE REPLACED, WHETHER OR NOT SHOWN IN BID DOCUMENTS.

C. THERE MAY BE LOCATIONS ON THE EXISTING ROOF WHERE THE EXISTING ROOF DECK MAY NOT BE STRUCTURALLY SOUND. CONTRACTORS SHOULD USE EXTREME CAUTION IN WORKING THESE ROOF AREAS TO MAINTAIN SAFE WORKING CONDITIONS.

D. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

E. THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL DAMAGE CAUSED BY THE IMPROPER STORAGE OR STACKING OF ROOFING MATERIALS.

F. ALL DIMENSIONS INDICATED ON THE ROOF PLAN ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR THE EXECUTION OF HIS WORK AND PRIOR TO ANY FABRICATION OF THE VARIOUS MATERIALS.

G. THE ROOF CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING DEMOLITION AND/OR NEW CONSTRUCTION. ROOF CONTRACTOR SHALL INSPECT AND CLEAR ALL DRAINS, SCUPPERS AND DOWNSPOUTS PRIOR TO COMPLETION OF WORK AND TO ENSURE THAT THEY ARE FREE OF DEBRIS AND ARE FUNCTIONING PROPERLY.

H. ROOF DRAIN LOCATION INDICATE DESIGN INTENT. COORDINATE LOCATIONS WITH STRUCTURAL AND MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

I. LOCATION AND QUANTITY OF ALL ROOF DRAINS, FLUES, VENTS, POWER AND GRAVITY VENTILATORS, ETC., SHALL BE VERIFIED BY CONTRACTOR IN FIELD.

J. FOR NEW AND/OR EXISTING PLUMBING VENT LOCATIONS REFER TO MECHANICAL ROOF PLANS.

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

L. PROVIDE NEW FLASHING AND TWO PIECE COUNTER-FLASHING WHERE NEW ROOFING ABUTS A NEW OR EXISTING WALL, UNLESS OTHERWISE NOTED OR DETAILED.

M. PROVIDE FLASHING AND SADDLES FOR ALL EQUIPMENT PROVIDED UNDER MECHANICAL.

N. FLASHING OF ALL VENTS, FAN CURBS, MASONRY WALLS, FLUES, DRAINS, FASCIAS, ETC., SHALL BE PERFORMED IN ACCORDANCE WITH THESE SPECIFICATIONS AND DRAWINGS, AND WITH ROOFING MANUFACTURERS STANDARD DETAILS AND SPECIFICATIONS.

O. CONTRACTOR TO PROVIDE CRICKETS AND/OR ROOF SADDLES AS REQUIRED TO PROMOTE POSITIVE DRAINAGE AROUND ALL ROOF TOP PENETRATIONS.

P. SADDLES AND TAPERED INSULATION SYMBOLS INDICATE DESIGN INTENT TO SLOPES TO DRAIN. CONTRACTOR SHALL PROVIDE SUBMITTAL DRAWINGS FOR TAPERED INSULATION AND SADDLES TO ENSURE POSITIVE SLOPE.

Q. ALL NEW WOOD BLOCKING AND NAILERS SHALL BE TREATED WOOD.

R. DEMOLITION AND REMOVAL OPERATIONS ARE TO BE PERFORMED CARE-FULLY AND ALL PORTIONS OF THE BUILDING SHALL BE PROTECTED DURING THESE OPERATIONS. ITEMS TO BE REUSED AND REINSTALLED ARE TO BE CAREFULLY REMOVED AND STORED. DAMAGES INCURRED DURING REMOVAL OR STORAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

S. REMOVE ALL POWER VENTILATORS, FANS AND GRAVITY VENTILATORS. REPLACE ALL DETERIORATED, LOOSE, OR FAULTY WOOD BLOCKING. REPLACE AND EXTEND CURBS WITH NEW TREATED WOOD BLOCKING WITH TOP AT 12" MINIMUM ABOVE THE NEW ROOFING MEMBRANE. REINSTALL FANS AND VENTILATORS WITH "KORFUND ELASTO-RIB" VIBRATION ELIMINATOR, SET ON THE CURB TOP OF ALL POWER DRIVEN FANS AND VENTS.

T. REMOVE ALL EXISTING ROOF GRAVEL, RESIDUE, AND ALL PROJECTIONS WHICH WOULD PREVENT THE NEW ROOF INSULATION FROM LAYING FLAT OVER THE EXISTING ROOF SURFACES.

U. REMOVE AND CLEAN ROOF DRAIN STRAINERS AND CLAMP RINGS. REINSTALL AFTER NEW ROOF INSULATION AND ROOFING MEMBRANE ARE IN PLACE, ANY BROKEN OR MISSING ROOF DRAIN STRAINER SHALL BE REPLACED WITH A NEW STRAINER.

V. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF ROOF TOP EQUIPMENT TO BE REMOVED.

ROOF LEGEND:

- RELIEF VENT — 7/A-210
- EXHAUST FAN — 3/A-210
- ROOF DRAIN — 5/A-210
- PLUMBING VENT — 6/A-210
- ROOF DRAINAGE SADDLE — 8/A-210
- MECHANICAL UNIT — 9/A-210
- ROOF WALKWAY PADS
- INDICATES ROOF SLOPE (1/4" PER 12")
- HATCH PATTERN INDICATES NEW EPDM ROOFING SYSTEM.
- HATCH PATTERN INDICATES NEW STANDING SEAM ROOFING SYSTEM.
- EXISTING ROOF SYSTEM SHALL REMAIN EXCEPT AS NOTED. PROTECT FROM ADJACENT ROOF WORK.
- HATCH PATTERN INDICATES NEW ROOF AND/OR FLASHING MEMBRANE TO OVERLAP AND TIE INTO EXISTING ROOF MEMBRANE AS REQUIRED TO MAINTAIN EXISTING ROOF WARRANTY.

ROOF TYPES:

(A) EPDM FULLY-ADHERED SINGLE-PLY MEMBRANE (0.060") OVER 1/2" COVER BOARD W/ MINIMUM THICKNESS OF 2" AND AVERAGE THICKNESS OF 4" TAPERED INSULATION SLOPED AT MINIMUM 1/4" PER FOOT.

(B) EPDM FULLY-ADHERED SINGLE-PLY MEMBRANE (0.060") OVER 1/2" COVER BOARD W/ MINIMUM THICKNESS OF 1" AND AVERAGE THICKNESS OF 4" TAPERED INSULATION SLOPED AT MINIMUM 1/4" PER FOOT.

(C) STANDING SEAM METAL ROOF W/ 4" RIGID INSULATION, VAPOR BARRIER AND VENTILATED METAL DECK EXPOSED TO VIEW FROM INSIDE OF BUILDING.

(D) ALTERNATE: STANDING SEAM METAL ROOF TRIM, FASCIA & SOFFIT COMPLETE. ALTERNATE SHALL INCLUDE NEW GUTTERS, DOWNSPOUTS, LEADERS AND ELBOWS. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY TA PD
CHECKED BY DBI DBu

MICHAEL L. ROSILLO — REGISTERED — NO. AR11600005 — STATE OF INDIANA — ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

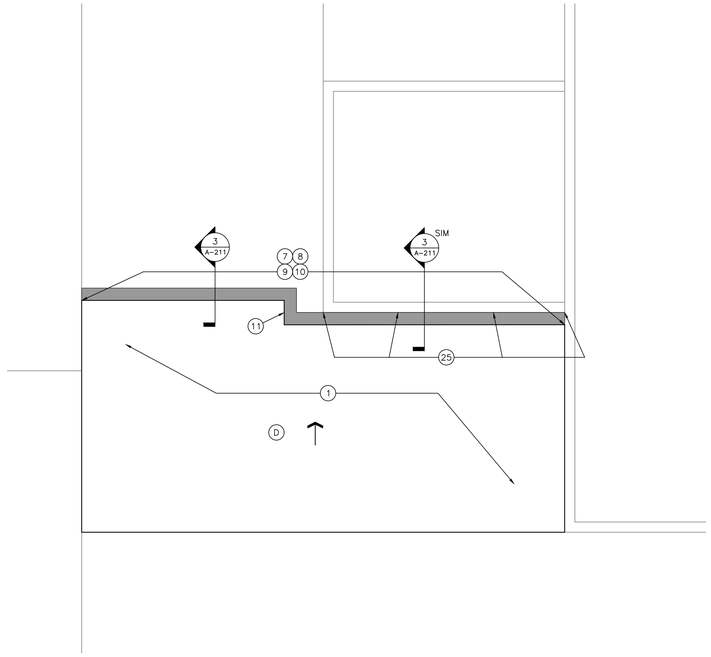
DRAWING
PARTIAL UNITS "A" & "B" ENLARGED ROOF PLANS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
A-202

Thursday, 4/22/2021 - 3:12 PM - LAST SAVED BY:PDEGROTHY
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-202.DWG

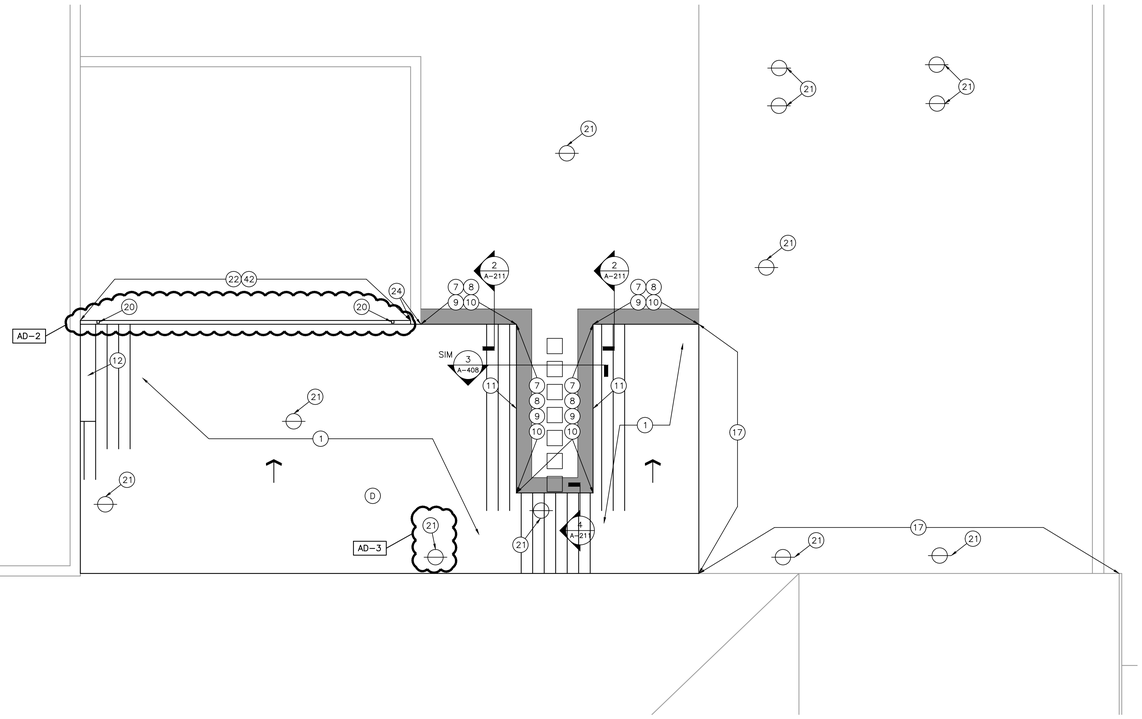


PARTIAL UNIT "G" ENLARGED ROOF PLAN

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

NORTH

2
A-203



PARTIAL UNIT "F" ENLARGED ROOF PLAN

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

NORTH

1
A-203

ROOF PLAN NOTES:

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

1. EXISTING METAL ROOF TO REMAIN. CLEAN ASSEMBLY TO RETURN TO LIKE NEW APPEARANCE.
2. EXISTING METAL FASCIA AND SOFFIT TO REMAIN. CLEAN AND PAINT ASSEMBLY TO RETURN TO LIKE NEW APPEARANCE.
3. EXISTING METAL GUTTERS TO REMAIN. CLEAN AND PAINT ASSEMBLY TO RETURN TO LIKE NEW APPEARANCE.
4. MODIFY EXISTING GUTTERS TO REMAIN TO RECEIVE NEW DOWNSPOUTS.
5. DEMOLISH EXISTING DOWNSPOUTS, ELBOWS AND ROOF LEADERS COMPLETE TO OUTLET POINT. PROTECT ALL STRUCTURES LEADING TO AND UNDERGROUND.
6. INSTALL NEW DOWNSPOUT ELBOWS AND ROOF LEADERS COMPLETE ON EXISTING BUILDING.
7. OUTLINE OF EXISTING METAL PANEL TO BE DEMOLISHED.
8. DEMOLISH EXISTING VERTICAL METAL WALL PANEL AND HORIZONTAL "Z" PURLINS COMPLETE.
9. DEMOLISH EXISTING FLASHING, COUNTERFLASHING AND TERMINATION BAR COMPLETE. DEMOLISH EXISTING MEMBRANE ROOF AS REQUIRED AND PREPARE TO RECEIVE NEW MEMBRANE ROOF AND WALL CONSTRUCTION.
10. INSTALL NEW ROOF MEMBRANE, BACKER BOARD, FLASHING, COUNTERFLASHING AND TRIM CONTINUOUS UP WALL CONSTRUCTION. PROVIDE WATERTIGHT TERMINATION.
11. INSTALL NEW RAKE TRIM AND DRIP COMPLETE. COLOR TO MATCH EXISTING. — 1 / A-211 SIM
12. INFILL EXISTING WINDOW POCKET VOID COMPLETE W/ NEW ROOF, FLASHING AND STRUCTURE TO MATCH EXISTING. — 5 / A-211
13. SECURE EXISTING ICE AND SNOW CLIP.
14. DEMOLISH EXISTING ROOF STRUCTURE AND STANDING SEAM ROOF AND ASSEMBLIES TO ACCOMMODATE NEW BUILDING ADDITION AND CONSTRUCTION. SALVAGE EXISTING STANDING SEAM METAL ROOF PANEL, TRIM AND GUTTERS FOR REUSE.
15. CAREFULLY MODIFY EXISTING GUTTER TO REMAIN THIS AREA TO ACCOMMODATE NEW BUILDING ADDITION. PROVIDE NEW GUTTER AND END CAP. USE EXISTING JOINT LINE AS TRANSITION POINT.
16. INSTALL NEW CONTINUOUS MEMBRANE INSIDE GUTTER ASSEMBLY.
17. EXISTING VERTICAL METAL PANEL TO REMAIN. COORDINATE EDGE CONDITION AND PROVIDE CONTINUOUS WATER-TIGHT CONDITION AT TRANSITION WHERE ADJACENT ASSEMBLIES ARE MODIFIED.
18. NEW ROOFTOP EQUIPMENT. EXISTING MECHANICAL CURB TO BE MODIFIED AS REQUIRED TO RECEIVE NEW ROOFTOP UNIT. PROVIDE CAP, CAP FLASHING, MEMBRANE ROOF, FLASHING AND COUNTERFLASHING AS REQUIRED FOR WATER-TIGHT CONDITIONS AND MEET WARRANTY REQUIREMENTS FOR ROOF ASSEMBLY.
19. NEW MEMBRANE ROOF, FLASHING, COUNTERFLASHING AND TERMINATION BAR COMPLETE FOR ENTIRE RECESS.
20. DOWNSPOUT. — AD-2
21. ROOF EQUIPMENT. — 3 / A-210
22. NEW GUTTER AND (2) DOWNSPOUT ASSEMBLIES. MATCH EXISTING IN SIZE, SHAPE AND PROFILE. — 1 / A-211
23. PITCH POCKET.
24. WRAP MEMBRANE FLASHING AND COUNTERFLASHING ALONG TERMINATION BAR AT METAL PANEL. OVERLAP BEHIND METAL PANEL WITH MEMBRANE FLASHING. REMOVE AND REINSTALL METAL COPING CAP AS REQUIRED TO FLASH AND COUNTERFLASH WALL.
25. WRAP MEMBRANE AND MEMBRANE IN BASIN AND UP WALL CONDITION. PROVIDE NEW FLASHING, COUNTERFLASHING AND TERMINATION BAR AS REQUIRED FOR WATERTIGHT CONDITIONS.
26. LINE OF WALL BELOW. — AD-2
27. ALUMINUM SCUPPER AND SLEEVE. — 11 / A-210, 1 / A-212
28. ROOF EDGE. — 1 / A-212
29. ROOF EDGE. — 2 / A-212
30. ROOF EDGE. — 3 / A-212
31. ROOF EDGE. — 4 / A-212
32. ROOF EDGE. — 5 / A-212
33. ROOF EDGE. — 6 / A-212
34. ROOF EDGE. — 7 / A-212
35. METAL PANEL AT CANOPY. — 8 / A-212
36. METAL PANEL AT CANOPY. — 9 / A-212
37. EXPANSION JOINT. — 10 / A-212
38. EXPANSION JOINT. — 11 / A-212
39. EXPANSION JOINT. — 12 / A-212
40. METAL PANEL AT CANOPY. — 13 / A-212
41. WRAP COMPOSITE METAL PANEL AROUND CORNER.
42. COMPOSITE METAL PANEL.

GENERAL ROOF PLAN NOTES:

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-301.

B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING CONDITIONS AND QUANTITIES OF MATERIALS TO BE REPLACED, WHETHER OR NOT SHOWN IN BID DOCUMENTS.

C. THERE MAY BE LOCATIONS ON THE EXISTING ROOF WHERE THE EXISTING ROOF DECK MAY NOT BE STRUCTURALY SOUND. CONTRACTORS SHOULD USE EXTREME CAUTION IN WORKING THESE ROOF AREAS TO MAINTAIN SAFE WORKING CONDITIONS.

D. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

E. THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL DAMAGE CAUSED BY THE IMPROPER STORAGE OR STACKING OF ROOFING MATERIALS.

F. ALL DIMENSIONS INDICATED ON THE ROOF PLAN ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR THE EXECUTION OF HIS WORK AND PRIOR TO ANY FABRICATION OF THE VARIOUS MATERIALS.

G. THE ROOF CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING DEMOLITION AND/OR NEW CONSTRUCTION. ROOF CONTRACTOR SHALL INSPECT AND CLEAR ALL DRAINS, SCUPPERS AND DOWNSPOUTS PRIOR TO COMPLETION OF WORK AND TO ENSURE THAT THEY ARE FREE OF DEBRIS AND ARE FUNCTIONING PROPERLY.

H. ROOF DRAIN LOCATION INDICATE DESIGN INTENT. COORDINATE LOCATIONS WITH STRUCTURAL AND MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

I. LOCATION AND QUANTITY OF ALL ROOF DRAINS, FLUES, VENTS, POWER AND GRAVITY VENTILATORS, ETC., SHALL BE VERIFIED BY CONTRACTOR IN FIELD.

J. FOR NEW AND/OR EXISTING PLUMBING VENT LOCATIONS REFER TO MECHANICAL ROOF PLANS.

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

L. PROVIDE NEW FLASHING AND TWO PIECE COUNTER-FLASHING WHERE NEW ROOFING ABUTS A NEW OR EXISTING WALL, UNLESS OTHERWISE NOTED OR DETAILED.

M. PROVIDE FLASHING AND SADDLES FOR ALL EQUIPMENT PROVIDED UNDER MECHANICAL.

N. FLASHING OF ALL VENTS, FAN CURBS, MASONRY WALLS, FLUES, DRAINS, FASCIAS, ETC., SHALL BE PERFORMED IN ACCORDANCE WITH THESE SPECIFICATIONS AND DRAWINGS, AND WITH ROOFING MANUFACTURERS STANDARD DETAILS AND SPECIFICATIONS.

O. CONTRACTOR TO PROVIDE CRICKETS AND/OR ROOF SADDLES AS REQUIRED TO PROMOTE POSITIVE DRAINAGE AROUND ALL ROOF TOP PENETRATIONS.

P. SADDLES AND TAPERED INSULATION SYMBOLS INDICATE DESIGN INTENT TO SLOPES TO DRAIN. CONTRACTOR SHALL PROVIDE SUBMITTAL DRAWINGS FOR TAPERED INSULATION AND SADDLES TO ENSURE POSITIVE SLOPE.

Q. ALL NEW WOOD BLOCKING AND NAILERS SHALL BE TREATED WOOD.

R. DEMOLITION AND REMOVAL OPERATIONS ARE TO BE PERFORMED CARE-FULLY AND ALL PORTIONS OF THE BUILDING SHALL BE PROTECTED DURING THESE OPERATIONS. ITEMS TO BE REUSED AND REINSTALLED ARE TO BE CAREFULLY REMOVED AND STORED. DAMAGES INCURRED DURING REMOVAL OR STORAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

S. REMOVE ALL POWER VENTILATORS, FANS AND GRAVITY VENTILATORS. REPLACE ALL DETERIORATED, LOOSE, OR FAULTY WOOD BLOCKING. REPLACE AND EXTEND CURBS WITH NEW TREATED WOOD BLOCKING WITH TOP AT 12" MINIMUM ABOVE THE NEW ROOFING MEMBRANE. REINSTALL FANS AND VENTILATORS WITH "KORFUND ELASTO-RIB" VIBRATION ELIMINATOR, SET ON THE CURB TOP OF ALL POWER DRIVEN FANS AND VENTS.

T. REMOVE ALL EXISTING ROOF GRAVEL, RESIDUE, AND ALL PROJECTIONS WHICH WOULD PREVENT THE NEW ROOF INSULATION FROM LAYING FLAT OVER THE EXISTING ROOF SURFACES.

U. REMOVE AND CLEAN ROOF DRAIN STRAINERS AND CLAMP RINGS. REINSTALL AFTER NEW ROOF INSULATION AND ROOFING MEMBRANE ARE IN PLACE, ANY BROKEN OR MISSING ROOF DRAIN STRAINER SHALL BE REPLACED WITH A NEW STRAINER.

V. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF ROOF TOP EQUIPMENT TO BE REMOVED.

ROOF LEGEND:

- RELIEF VENT — 7 / A-210
- EXHAUST FAN — 3 / A-210
- ROOF DRAIN — 5 / A-210
- PLUMBING VENT — 6 / A-210
- ROOF DRAINAGE SADDLE — 8 / A-210
- MECHANICAL UNIT — 9 / A-210
- ROOF WALKWAY PADS
- INDICATES ROOF SLOPE (1/4" PER 12")
- HATCH PATTERN INDICATES NEW EPDM ROOFING SYSTEM.
- HATCH PATTERN INDICATES NEW STANDING SEAM ROOFING SYSTEM.
- EXISTING ROOF SYSTEM SHALL REMAIN EXCEPT AS NOTED. PROTECT FROM ADJACENT ROOF WORK.
- HATCH PATTERN INDICATES NEW ROOF AND/OR FLASHING MEMBRANE TO OVERLAP AND TIE INTO EXISTING ROOF MEMBRANE AS REQUIRED TO MAINTAIN EXISTING ROOF WARRANTY.

ROOF TYPES:

(A) EPDM FULLY-ADHERED SINGLE-PLY MEMBRANE (0.060") OVER 1/2" COVER BOARD W/ MINIMUM THICKNESS OF 2" AND AVERAGE THICKNESS OF 4" TAPERED INSULATION SLOPED AT MINIMUM 1/4" PER FOOT.

(B) EPDM FULLY-ADHERED SINGLE-PLY MEMBRANE (0.060") OVER 1/2" COVER BOARD W/ MINIMUM THICKNESS OF 1" AND AVERAGE THICKNESS OF 4" TAPERED INSULATION SLOPED AT MINIMUM 1/4" PER FOOT.

(C) STANDING SEAM METAL ROOF W/ 4" RIGID INSULATION, VAPOR BARRIER AND VENTILATED METAL DECK EXPOSED TO VIEW FROM INSIDE OF BUILDING.

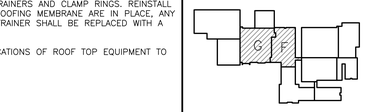
(D) ALTERNATE: STANDING SEAM METAL ROOF TRIM, FASCIA & SOFFIT COMPLETE. ALTERNATE SHALL INCLUDE NEW GUTTERS, DOWNSPOUTS, LEADERS AND ELBOWS. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY TA PD
CHECKED BY DBI DBu

MICHAEL L. KOSTELLO — REGISTERED NO. AR11600005 — STATE OF INDIANA — ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

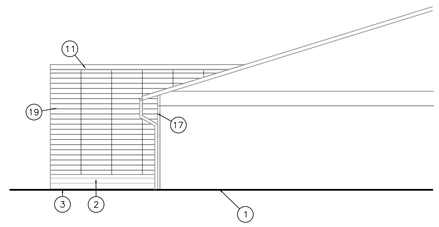
DRAWING
PARTIAL UNITS "F" & "G" ENLARGED ROOF PLANS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

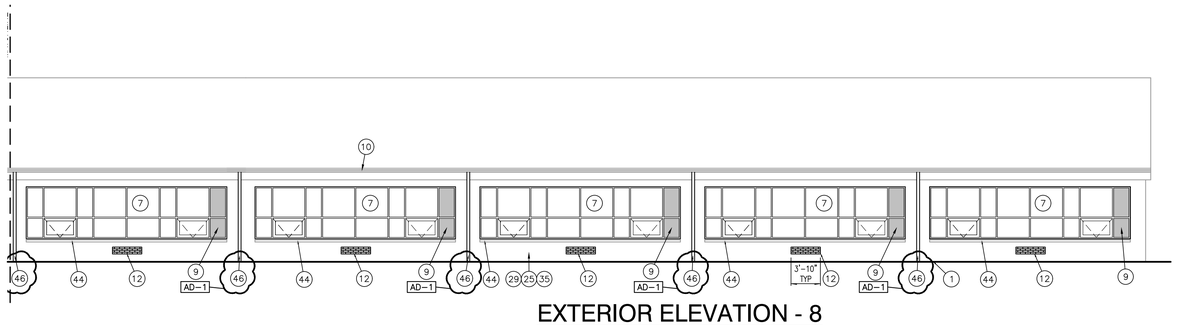
SHEET
A-203

Thursday, 4/22/2021 - 3:12 PM - LAST SAVED BY:PDEGROTHY
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\DS ARCH\A-203.DWG



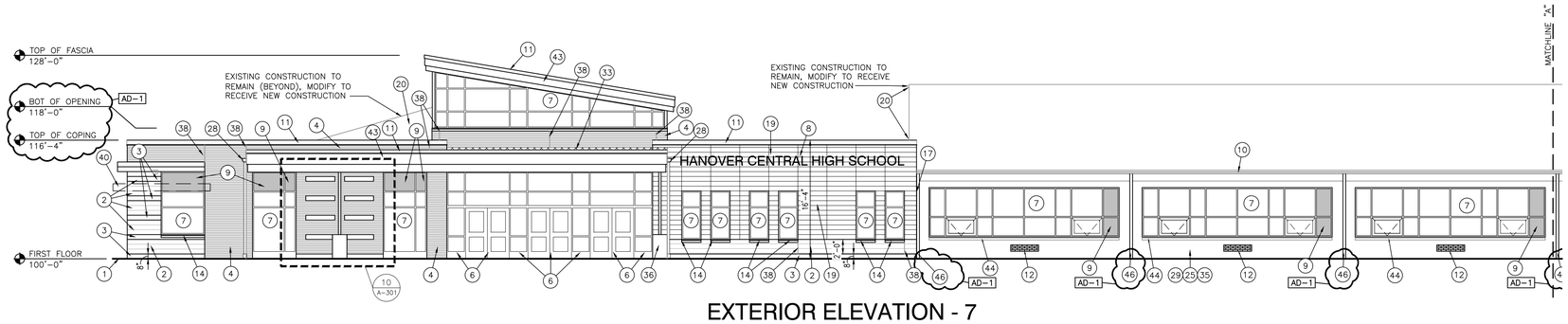
EXTERIOR ELEVATION - 9

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



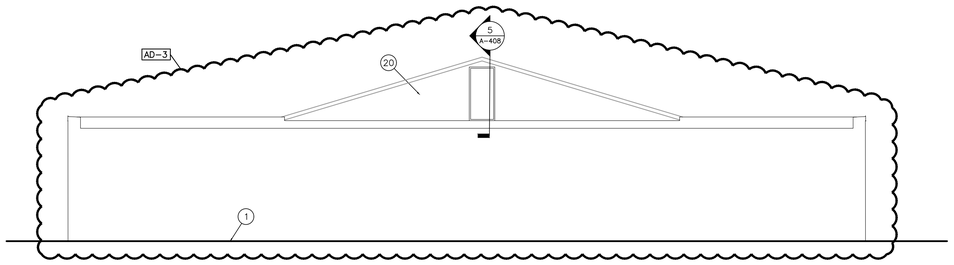
EXTERIOR ELEVATION - 8

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



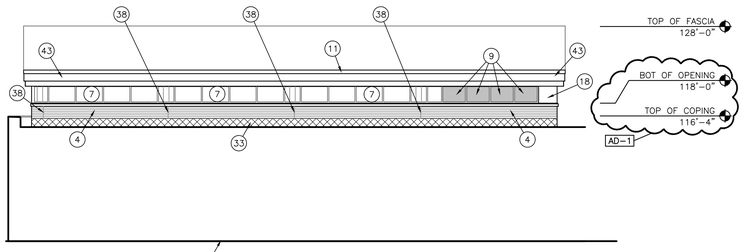
EXTERIOR ELEVATION - 7

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



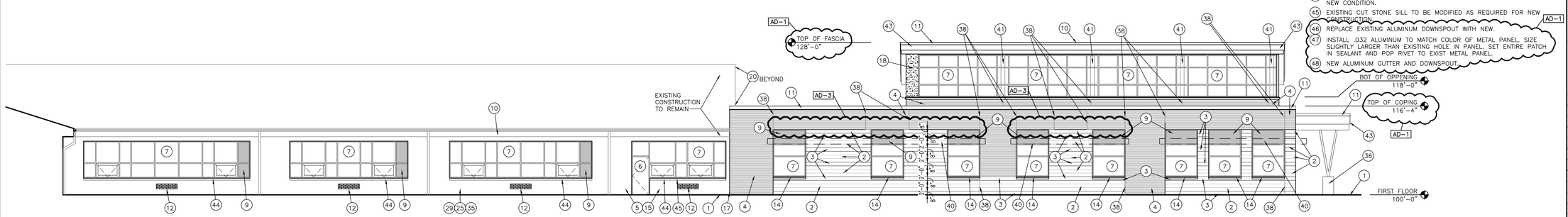
EXTERIOR ELEVATION - 6

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



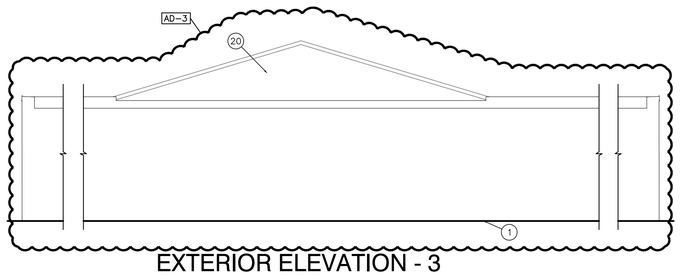
EXTERIOR ELEVATION - 5

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



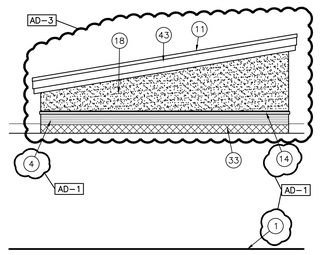
EXTERIOR ELEVATION - 4

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



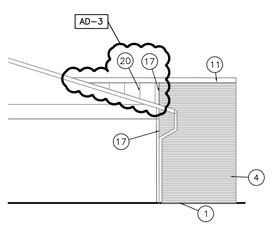
EXTERIOR ELEVATION - 3

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



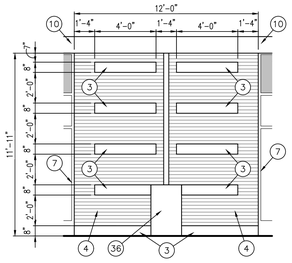
EXTERIOR ELEVATION - 2

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



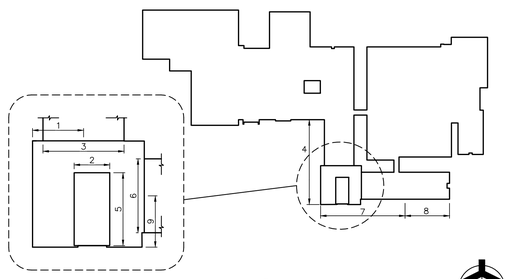
EXTERIOR ELEVATION - 1

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



EXTERIOR ELEVATION - 10

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



ELEVATION KEY PLAN

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. ALL NEW FACE BRICK SHALL BE MODULAR RUNNING BOND UNLESS NOTED OTHERWISE.

E. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES AS REQUIRED FOR CELL VENTS TO BE ABOVE GRADE.

F. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

G. ALL VERTICAL CONTROL JOINTS IN EXISTING EXTERIOR BRICK WALL TO REMAIN ARE TO BE REMOVED AND PLACED WITH NEW SEALANT AND BACKER ROD.

H. AT ALL EXISTING WINDOWS TO REMAIN, REMOVE PERIMETER SEALANT AND BACKER ROD AND INSTALL NEW SEALANT AND BACKER ROD.

I. REFERENCE ROOF PLANS FOR INFORMATION REGARDING GUTTERS AND DOWNSPOUTS.

J. WHEN EXISTING BUILDING IS DEMOLISHED FOR NEW CONSTRUCTION SALVAGE FACE BRICK FOR RE-USE ON MASONRY RESTORATION & BRICK IN FILL TOOTH IN.

K. REMOVE ALL ABANDONED CLIPS, HANGERS UNUSED DEVICES AND EQUIPMENT FROM BUILDING. VERIFY WITH CM PRIOR TO REMOVAL.

ELEVATION KEY NOTES:

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

1. APPROXIMATE FINISH GRADE, REFER TO CIVIL DRAWINGS.
2. SPLIT FACE COLORED CMU (TYPE I) STACKED BOND, COLOR A.
3. SMOOTH FACE COLORED CMU (TYPE I) STACKED BOND, COLOR A.
4. FACE BRICK (TYPE I) RUNNING BOND, COLOR B.
5. FACE BRICK (TYPE II) RUNNING BOND, MATCH EXISTING COLOR.
6. ALUMINUM STOREFRONT SYSTEM W/ ALUMINUM DOORS WHERE APPLICABLE.
7. ALUMINUM STOREFRONT SYSTEM W/ ALUMINUM SILL.
8. 16" HIGH ALUMINUM LETTERING. (3 / A-501)
9. GLAZING TO BE SPANDREL AT THIS LOCATION.
10. REFINISH/PAINT EXISTING GUTTERS AND METAL FASCIA
11. METAL COPING.
12. INFILL EXISTING DEMOLISHED LOUVER W/ SALVAGED/NEW BRICK VENEER COMPLETE, MATCHING EXISTING IN SIZE, SHAPE, COLOR AND PROFILE.
13. EXISTING CONTROL JOINT. REMOVE EXISTING SEALANT AND INSTALL NEW SEALANT AND BACKER ROD COMPLETE.
14. CUT STONE SILL.
15. PATCH/REPAIR/TOOTH IN EXISTING MASONRY WHERE MODIFIED TO RECEIVE NEW CONSTRUCTION.
16. LIGHT FIXTURE, REFER TO ELECTRICAL.
17. BACKER ROD AND SEALANT, REFER TO PLANS AND PLAN DETAILS.
18. EIFS.
19. METAL PANEL RAINSCREEN SYSTEM VERTICAL JOINTS AT 4'-0" AND HORIZONTAL JOINTS AT 8".
20. METAL PANEL SYSTEM.
21. MASONRY VENEER INFILL.
22. EXISTING EIFS.
23. EXISTING METAL PANEL, CORRUGATED/RIBBED. – NO WORK
24. EXISTING METAL PANEL.
25. EXISTING BRICK.
26. EXISTING CMU.
27. PATCH HOLES W/ CEMENTITIOUS FILLER.
28. DOWNSPOUT & DOWNSPOUT SHOE (11 / A-210) SIM
29. CLEAN BRICK AND MORTAR JOINTS. AD-3
30. ROUT & MORTAR JOINTS COMPLETE & TUCK POINT AT CMU MORTAR JOINT COMPLETE MATCH EXISTING MORTAR
31. DEEP CMU CLEAN & MORTAR JOINTS COMPLETE
32. ROUT OUT MORTAR JOINT AND TUCK POINT 50% OF EXISTING COMPLETE. MATCH EXISTING MORTAR.
33. ROOF FLASHING REFER TO ROOF PLAN.
34. TOOTH IN EXISTING SALVAGE BRICK AND NEW BRICK TO RETURN TO LIKE NEW CONDITION. 25% OF AREA TO BE NEW BRICK
35. ROUT OUT MORTAR JOINTS AND TUCK POINT 25% OF EXISTING COMPLETE. MATCH EXISTING MORTAR
36. 2'-0" DIA X 3'-4" H CONCRETE COLUMN BASE, REFER TO STRUCTURAL
37. BRICK & CMU INFILL (10 / A-501) AD-1
38. NEW CONTROL JOINT
39. REMOVE AND REPLACE CMU UNITS COMPLETE DUE TO CMU FRACTURED – MATCH EXISTING CMU SIZE AND TYPE/COLOR – MATCH MORTAR COLOR AND PROVIDE ADDITIONAL METAL FLASHING TO COVER CORNER CONDITION – COLOR TO MATCH METAL PANELS
40. NEW SUNSHADE ASSEMBLY. REFER TO SECTIONS AND STRUCTURAL.
41. STEEL COLUMN BEYOND.
42. IF REQUIRED: CAREFULLY REMOVE EXISTING GUTTER FASCIA, SOFFIT AND METAL STUD FRAMING TO RECEIVE NEW BUILDING STRUCTURE.
43. COMPOSITE METAL PANEL WITH 3/4" VERTICAL REVEALS.
44. EXISTING CUT STONE SILL TO BE CLEANED AND REPAIRED TO LIKE NEW CONDITION.
45. EXISTING CUT STONE SILL TO BE MODIFIED AS REQUIRED FOR NEW CONSTRUCTION AD-1
46. REPLACE EXISTING ALUMINUM DOWNSPOUT WITH NEW.
47. INSTALL .032 ALUMINUM TO MATCH COLOR OF METAL PANEL. SIZE SLIGHTLY LARGER THAN EXISTING HOLE IN PANEL. SET ENTIRE PATCH IN SEALANT AND POP RIVET TO EXIST METAL PANEL.
48. NEW ALUMINUM GUTTER AND DOWNSPOUT.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY PD ZG
CHECKED BY DBI DBu

MICHAEL L. ROSELLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/23/21	ADDENDUM NO. 3

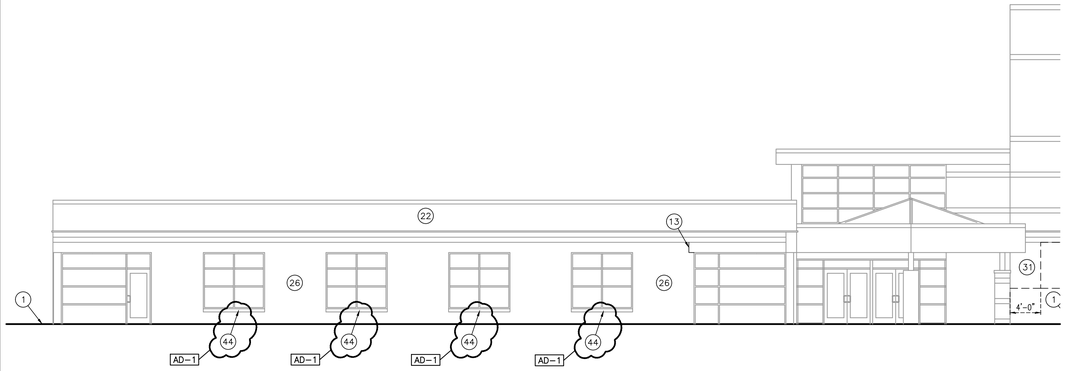
DRAWING
EXTERIOR ELEVATIONS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

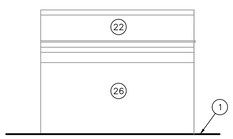
SHEET
A-301

Friday, 4/23/2021 - 10:46 AM - LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-301.DWG



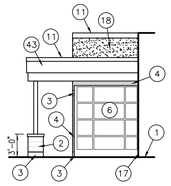
EXTERIOR ELEVATION - 8

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



EXTERIOR ELEVATION - 7

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



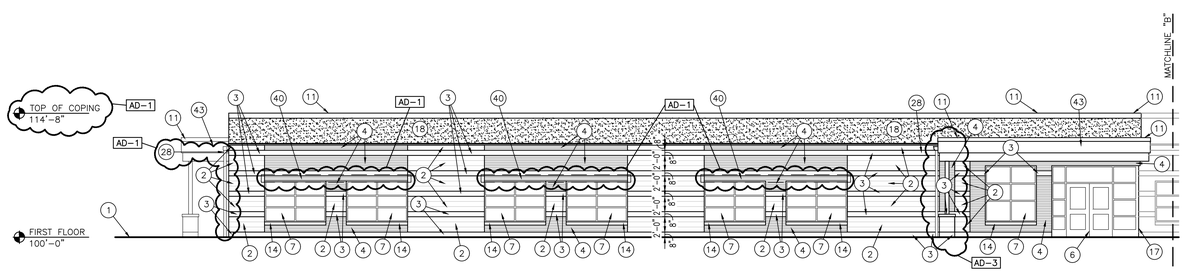
EXTERIOR ELEVATION - 6

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



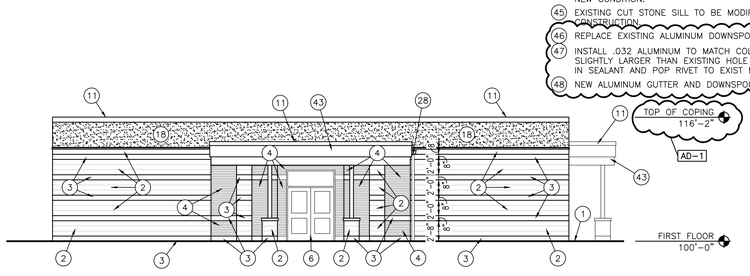
EXTERIOR ELEVATION - 5

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



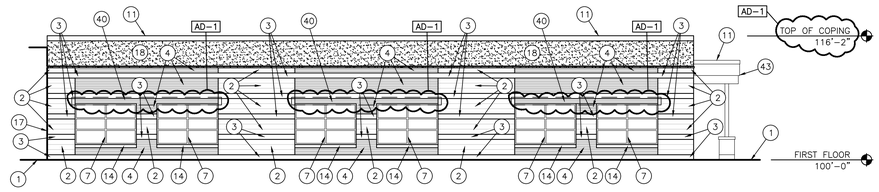
EXTERIOR ELEVATION - 4

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



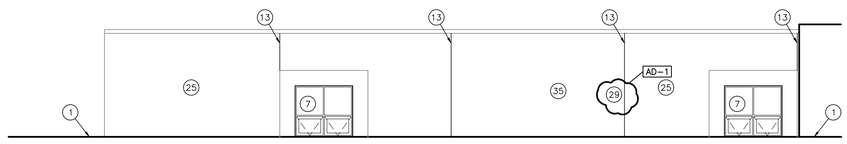
EXTERIOR ELEVATION - 3

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



EXTERIOR ELEVATION - 2

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



EXTERIOR ELEVATION - 1

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

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. ALL NEW FACE BRICK SHALL BE MODULAR RUNNING BOND UNLESS NOTED OTHERWISE.

E. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES AS REQUIRED FOR CELL VENTS TO BE ABOVE GRADE.

F. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

G. ALL VERTICAL CONTROL JOINTS IN EXISTING EXTERIOR BRICK WALL TO REMAIN ARE TO BE REMOVED AND PLACED WITH NEW SEALANT AND BACKER ROD.

H. AT ALL EXISTING WINDOWS TO REMAIN, REMOVE PERIMETER SEALANT AND BACKER ROD AND INSTALL NEW SEALANT AND BACKER ROD.

I. REFERENCE ROOF PLANS FOR INFORMATION REGARDING GUTTERS AND DOWNSPOUTS.

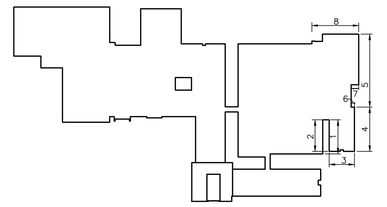
J. WHEN EXISTING BUILDING IS DEMOLISHED FOR NEW CONSTRUCTION SALVAGE FACE BRICK FOR RE-USE ON MASONRY RESTORATION & BRICK IN FILL TOOTH IN.

K. REMOVE ALL ABANDONED CLIPS, HANGERS UNUSED DEVICES AND EQUIPMENT FROM BUILDING. VERIFY WITH CM PRIOR TO REMOVAL.

ELEVATION KEY NOTES:

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

1. APPROXIMATE FINISH GRADE, REFER TO CIVIL DRAWINGS.
2. SPLIT FACE COLORED CMU (TYPE I) STACKED BOND, COLOR A.
3. SMOOTH FACE COLORED CMU (TYPE I) STACKED BOND, COLOR A.
4. FACE BRICK (TYPE I) RUNNING BOND, COLOR B.
5. FACE BRICK (TYPE II) RUNNING BOND, MATCH EXISTING COLOR.
6. ALUMINUM STOREFRONT SYSTEM W/ ALUMINUM DOORS WHERE APPLICABLE.
7. ALUMINUM STOREFRONT SYSTEM W/ ALUMINUM SILL.
8. 16" HIGH ALUMINUM LETTERING. (3 / A-501)
9. GLAZING TO BE SPANDREL AT THIS LOCATION.
10. REFINISH/PAINT EXISTING GUTTERS AND METAL FASCIA
11. METAL COPING.
12. INFILL EXISTING DEMOLISHED LOUVER W/ SALVAGED/NEW BRICK VENEER COMPLETE, MATCHING EXISTING IN SIZE, SHAPE, COLOR AND PROFILE.
13. EXISTING CONTROL JOINT. REMOVE EXISTING SEALANT AND INSTALL NEW SEALANT AND BACKER ROD COMPLETE.
14. CUT STONE SILL.
15. PATCH/REPAIR/TOOTH IN EXISTING MASONRY WHERE MODIFIED TO RECEIVE NEW CONSTRUCTION.
16. LIGHT FIXTURE, REFER TO ELECTRICAL.
17. BACKER ROD AND SEALANT, REFER TO PLANS AND PLAN DETAILS.
18. EIFS.
19. METAL PANEL RAINSCREEN SYSTEM VERTICAL JOINTS AT 4'-0" AND HORIZONTAL JOINTS AT 8".
20. METAL PANEL SYSTEM.
21. MASONRY VENEER INFILL.
22. EXISTING EIFS.
23. EXISTING METAL PANEL, CORRUGATED/RIBBED. – NO WORK
24. EXISTING METAL PANEL.
25. EXISTING BRICK.
26. EXISTING CMU.
27. PATCH HOLES W/ CEMENTITIOUS FILLER. (11 / A-210) SIM
28. DOWNSPOUT & DOWNSPOUT SHOE
29. CLEAN BRICK AND MORTAR JOINTS. AD-3
30. ROUT & MORTAR JOINTS COMPLETE & TUCK POINT AT CMU MORTAR JOINT COMPLETE MATCH EXISTING MORTAR
31. DEEP CMU CLEAN & MORTAR JOINTS COMPLETE
32. ROUT OUT MORTAR JOINT AND TUCK POINT 50% OF EXISTING COMPLETE. MATCH EXISTING MORTAR.
33. ROOF FLASHING REFER TO ROOF PLAN.
34. TOOTH IN EXISTING SALVAGE BRICK AND NEW BRICK TO RETURN TO LIKE NEW CONDITION. 25% OF AREA TO BE NEW BRICK
35. ROUT OUT MORTAR JOINTS AND TUCK POINT 25% OF EXISTING COMPLETE. MATCH EXISTING MORTAR
36. 2'-0" DIA X 3'-4" H CONCRETE COLUMN BASE, REFER TO STRUCTURAL
37. BRICK & CMU INFILL (10 / A-501) AD-1
38. NEW CONTROL JOINT
39. REMOVE AND REPLACE CMU UNITS COMPLETE DUE TO CMU FRACTURED – MATCH EXISTING CMU SIZE AND TYPE/COLOR – MATCH MORTAR COLOR AND PROVIDE ADDITIONAL METAL FLASHING TO COVER CORNER CONDITION – COLOR TO MATCH METAL PANELS
40. NEW SUNSHADE ASSEMBLY. REFER TO SECTIONS AND STRUCTURAL.
41. STEEL COLUMN BEYOND.
42. IF REQUIRED: CAREFULLY REMOVE EXISTING GUTTER FASCIA, SOFFIT AND METAL STUD FRAMING TO RECEIVE NEW BUILDING STRUCTURE.
43. COMPOSITE METAL PANEL WITH 3/4" VERTICAL REVEALS.
44. EXISTING CUT STONE SILL TO BE CLEANED AND REPAIRED TO LIKE NEW CONDITION.
45. EXISTING CUT STONE SILL TO BE MODIFIED AS REQUIRED FOR NEW CONSTRUCTION. AD-1
46. REPLACE EXISTING ALUMINUM DOWNSPOUT WITH NEW.
47. INSTALL .032 ALUMINUM TO MATCH COLOR OF METAL PANEL. SIZE SLIGHTLY LARGER THAN EXISTING HOLE IN PANEL. SET ENTIRE PATCH IN SEALANT AND POP RIVET TO EXIST METAL PANEL.
48. NEW ALUMINUM GUTTER AND DOWNSPOUT.



ELEVATION KEY PLAN



GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY PD ZG
CHECKED BY DBI DBu

MICHAEL L. ROSSILLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/23/21	ADDENDUM NO. 3

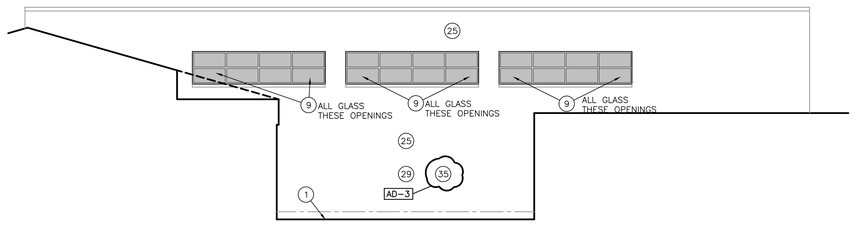
DRAWING
EXTERIOR ELEVATIONS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

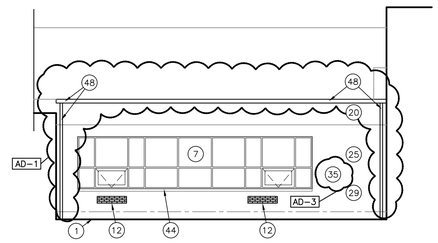
SHEET
A-303

Friday, 4/23/2021 - 8:14 AM - LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-303.DWG



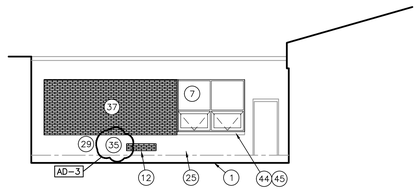
EXTERIOR ELEVATION - 6

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



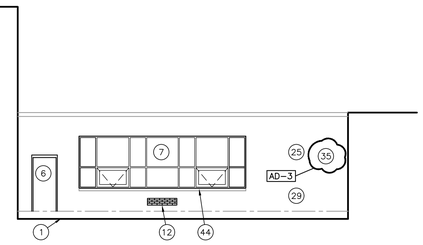
EXTERIOR ELEVATION - 5

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



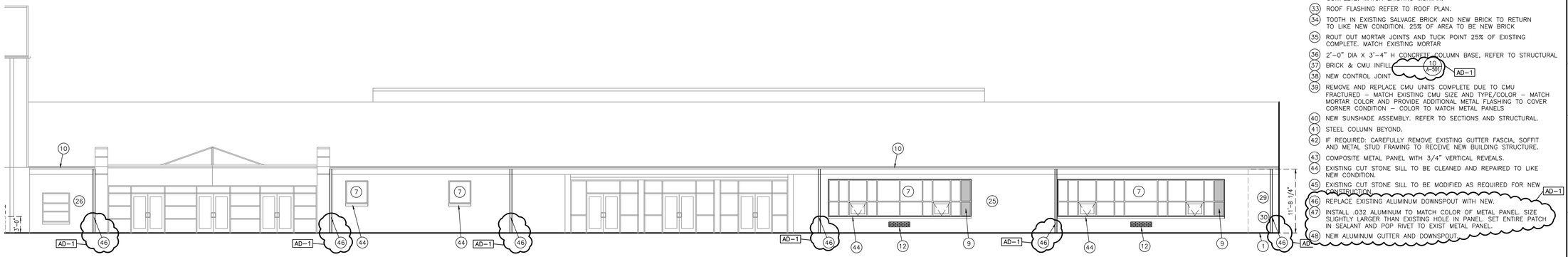
EXTERIOR ELEVATION - 4

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



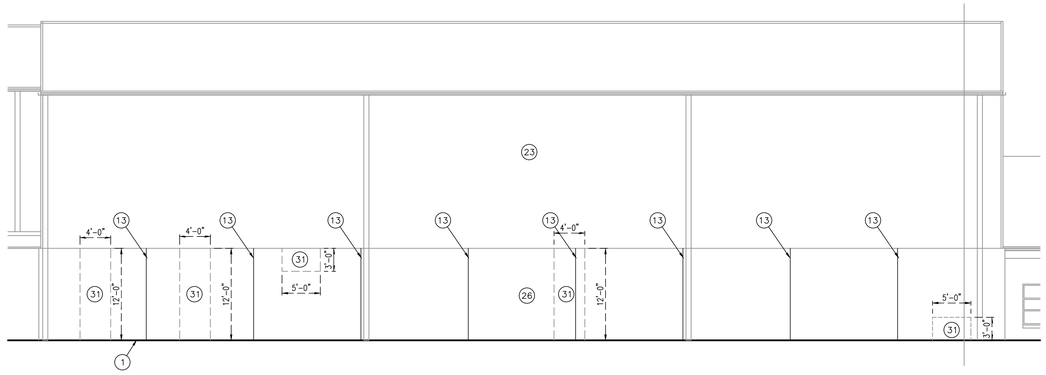
EXTERIOR ELEVATION - 3

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



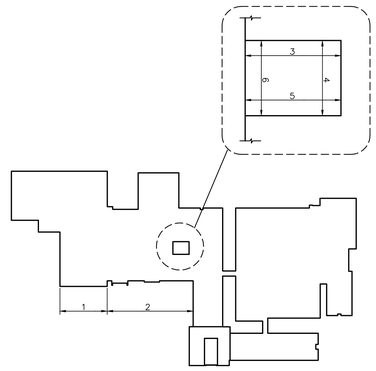
EXTERIOR ELEVATION - 2

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



EXTERIOR ELEVATION - 1

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



ELEVATION KEY PLAN

NORTH

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. ALL NEW FACE BRICK SHALL BE MODULAR RUNNING BOND UNLESS NOTED OTHERWISE.

E. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES AS REQUIRED FOR CELL VENTS TO BE ABOVE GRADE.

F. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

G. ALL VERTICAL CONTROL JOINTS IN EXISTING EXTERIOR BRICK WALL TO REMAIN ARE TO BE REMOVED AND PLACED WITH NEW SEALANT AND BACKER ROD.

H. AT ALL EXISTING WINDOWS TO REMAIN, REMOVE PERIMETER SEALANT AND BACKER ROD AND INSTALL NEW SEALANT AND BACKER ROD.

I. REFERENCE ROOF PLANS FOR INFORMATION REGARDING GUTTERS AND DOWNSPOUTS.

J. WHEN EXISTING BUILDING IS DEMOLISHED FOR NEW CONSTRUCTION SALVAGE FACE BRICK FOR RE-USE ON MASONRY RESTORATION & BRICK IN FILL TOOTH IN.

K. REMOVE ALL ABANDONED CLIPS, HANGERS UNUSED DEVICES AND EQUIPMENT FROM BUILDING. VERIFY WITH CM PRIOR TO REMOVAL.

ELEVATION KEY NOTES:

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

1. APPROXIMATE FINISH GRADE, REFER TO CIVIL DRAWINGS.
2. SPLIT FACE COLORED CMU (TYPE I) STACKED BOND, COLOR A.
3. SMOOTH FACE COLORED CMU (TYPE I) STACKED BOND, COLOR A.
4. FACE BRICK (TYPE I) RUNNING BOND, COLOR B.
5. FACE BRICK (TYPE II) RUNNING BOND, MATCH EXISTING COLOR.
6. ALUMINUM STOREFRONT SYSTEM W/ ALUMINUM DOORS WHERE APPLICABLE.
7. ALUMINUM STOREFRONT SYSTEM W/ ALUMINUM SILL.
8. 16" HIGH ALUMINUM LETTERING. — 3 / A-501
9. GLAZING TO BE SPANDREL AT THIS LOCATION.
10. REFINISH/PAINT EXISTING GUTTERS AND METAL FASCIA
11. METAL COPING.
12. INFILL EXISTING DEMOLISHED LOUVER W/ SALVAGED/NEW BRICK VENEER COMPLETE, MATCHING EXISTING IN SIZE, SHAPE, COLOR AND PROFILE.
13. EXISTING CONTROL JOINT. REMOVE EXISTING SEALANT AND INSTALL NEW SEALANT AND BACKER ROD COMPLETE.
14. CUT STONE SILL.
15. PATCH/REPAIR/TOOTH IN EXISTING MASONRY WHERE MODIFIED TO RECEIVE NEW CONSTRUCTION.
16. LIGHT FIXTURE, REFER TO ELECTRICAL.
17. BACKER ROD AND SEALANT, REFER TO PLANS AND PLAN DETAILS.
18. EIFS.
19. METAL PANEL RAINSCREEN SYSTEM VERTICAL JOINTS AT 4'-0" AND HORIZONTAL JOINTS AT 8".
20. METAL PANEL SYSTEM.
21. MASONRY VENEER INFILL.
22. EXISTING EIFS.
23. EXISTING METAL PANEL, CORRUGATED/RIBBED. – NO WORK
24. EXISTING METAL PANEL.
25. EXISTING BRICK.
26. EXISTING CMU.
27. PATCH HOLES W/ CEMENTITIOUS FILLER.
28. DOWNSPOUT & DOWNSPOUT SHOE — 11 / A-210 SIM
29. CLEAN BRICK AND MORTAR JOINTS — AD-3
30. ROUT & MORTAR JOINTS COMPLETE & TUCK POINT AT CMU MORTAR JOINT COMPLETE MATCH EXISTING MORTAR
31. DEEP CMU CLEAN & MORTAR JOINTS COMPLETE
32. ROUT OUT MORTAR JOINT AND TUCK POINT 50% OF EXISTING COMPLETE. MATCH EXISTING MORTAR.
33. ROOF FLASHING REFER TO ROOF PLAN.
34. TOOTH IN EXISTING SALVAGE BRICK AND NEW BRICK TO RETURN TO LIKE NEW CONDITION. 25% OF AREA TO BE NEW BRICK
35. ROUT OUT MORTAR JOINTS AND TUCK POINT 25% OF EXISTING COMPLETE. MATCH EXISTING MORTAR
36. 2'-0" DIA X 3'-4" H CONCRETE COLUMN BASE, REFER TO STRUCTURAL
37. BRICK & CMU INFILL — 10 / A-307 — AD-1
38. NEW CONTROL JOINT
39. REMOVE AND REPLACE CMU UNITS COMPLETE DUE TO CMU FRACTURED – MATCH EXISTING CMU SIZE AND TYPE/COLOR – MATCH MORTAR COLOR AND PROVIDE ADDITIONAL METAL FLASHING TO COVER CORNER CONDITION – COLOR TO MATCH METAL PANELS
40. NEW SUNSHADE ASSEMBLY. REFER TO SECTIONS AND STRUCTURAL.
41. STEEL COLUMN BEYOND.
42. IF REQUIRED: CAREFULLY REMOVE EXISTING GUTTER FASCIA, SOFFIT AND METAL STUD FRAMING TO RECEIVE NEW BUILDING STRUCTURE.
43. COMPOSITE METAL PANEL WITH 3/4" VERTICAL REVEALS.
44. EXISTING CUT STONE SILL TO BE CLEANED AND REPAIRED TO LIKE NEW CONDITION.
45. EXISTING CUT STONE SILL TO BE MODIFIED AS REQUIRED FOR NEW CONSTRUCTION. — AD-1
46. REPLACE EXISTING ALUMINUM DOWNSPOUT WITH NEW.
47. INSTALL .032 ALUMINUM TO MATCH COLOR OF METAL PANEL. SIZE SLIGHTLY LARGER THAN EXISTING HOLE IN PANEL. SET ENTIRE PATCH IN SEALANT AND POP RIVET TO EXIST METAL PANEL.
48. NEW ALUMINUM GUTTER AND DOWNSPOUT.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY PD ZG
CHECKED BY DBI DBu

MICHAEL L. ROSSITER — REGISTERED — NO. AR11600005 — STATE OF INDIANA — ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/23/21	ADDENDUM NO. 3

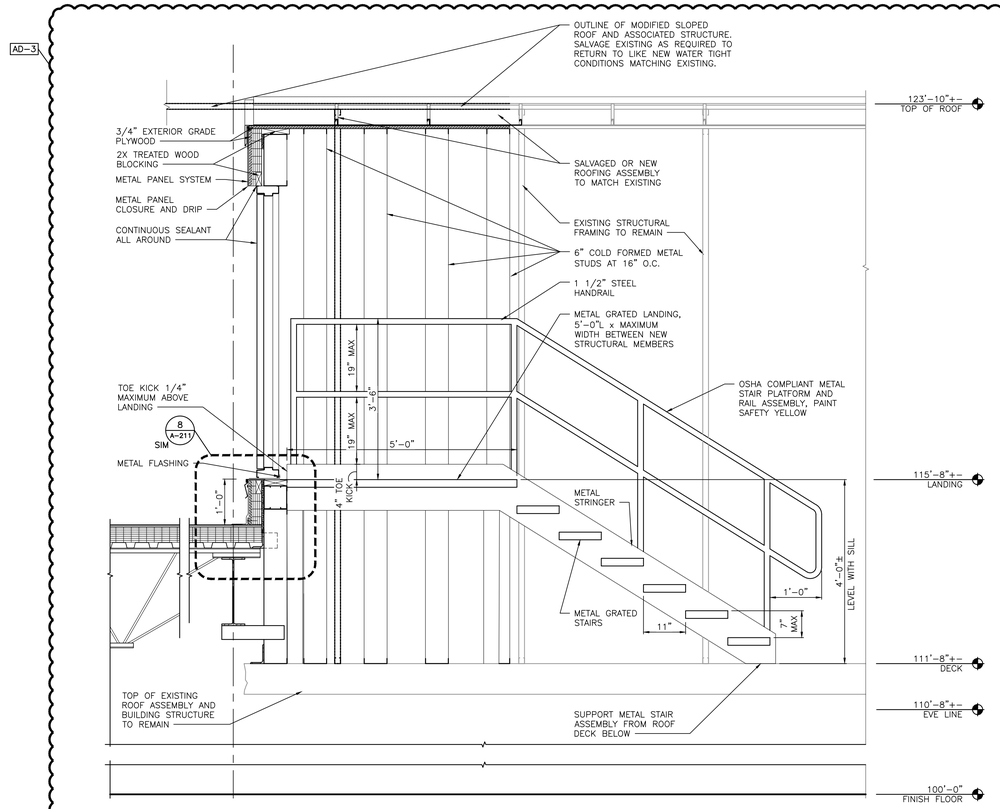
DRAWING
EXTERIOR ELEVATIONS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

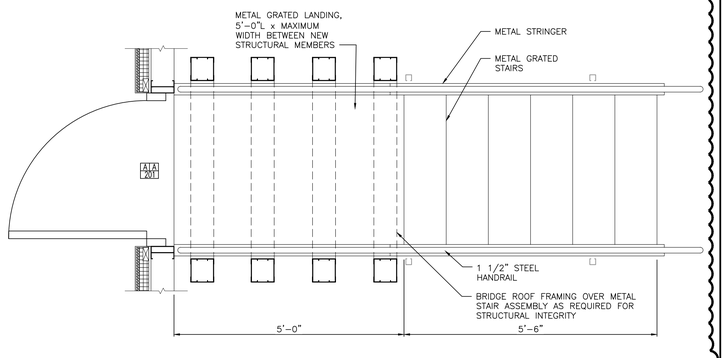
SHEET
A-307

Friday, 4/23/2021 - 8:22 AM - LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-307.DWG



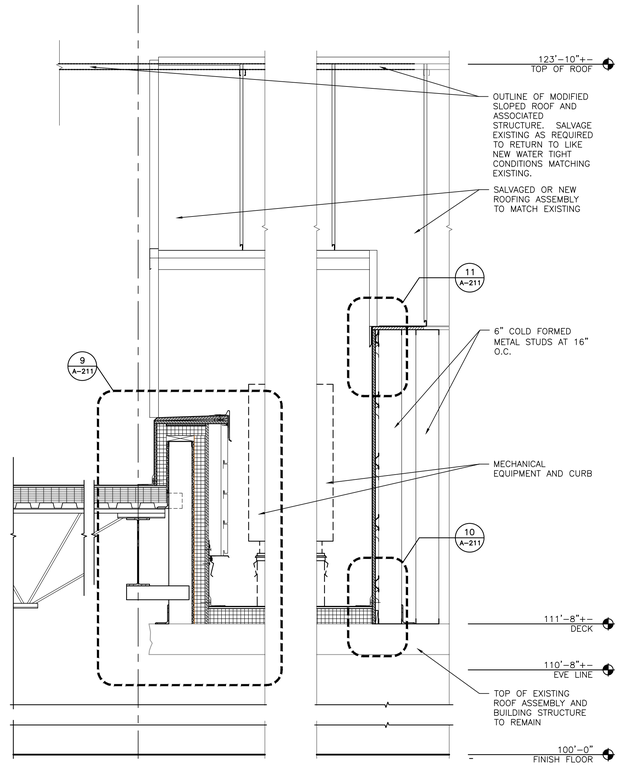
WALL SECTION - NEW TO EXISTING @ STAIR
SCALE: 3/4" = 1'-0"

5 A-408



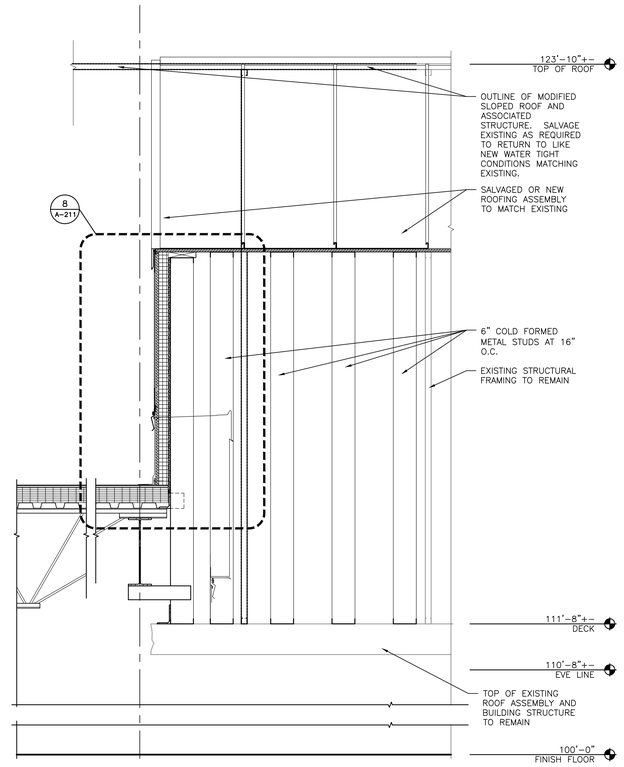
ENLARGED STAIR PLAN
SCALE: 3/4" = 1'-0"

4 A-408



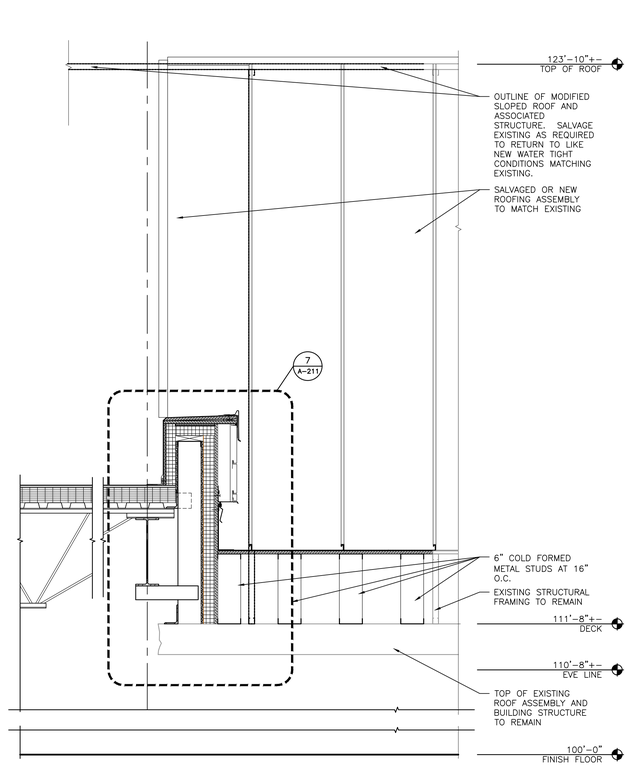
WALL SECTION - NEW TO EXISTING @ RTU
SCALE: 3/4" = 1'-0"

3 A-408



WALL SECTION - NEW TO EXISTING UPPER @ SLOPE
SCALE: 3/4" = 1'-0"

2 A-408



WALL SECTION - NEW TO EXISTING LOWER @ SLOPE
SCALE: 3/4" = 1'-0"

1 A-408

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY DBu
CHECKED BY DBl DBu

MICHAEL L. ROSELLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

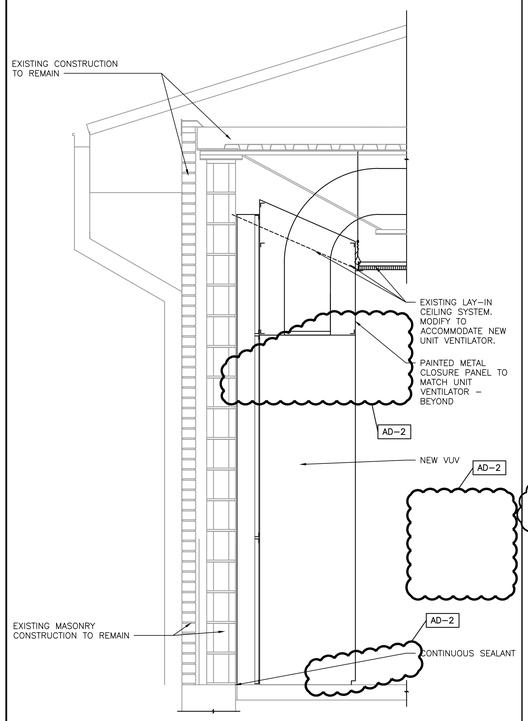
DRAWING
WALL SECTIONS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
A-408

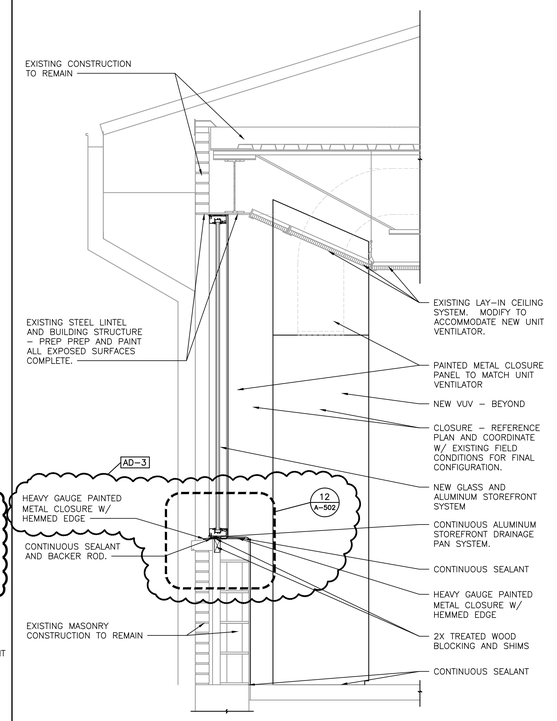
Friday, 4/23/2021 - 9:58 AM - LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-408.DWG



WALL SECTION @ WINDOW & UNIT VENT

SCALE: 3/4" = 1'–0"

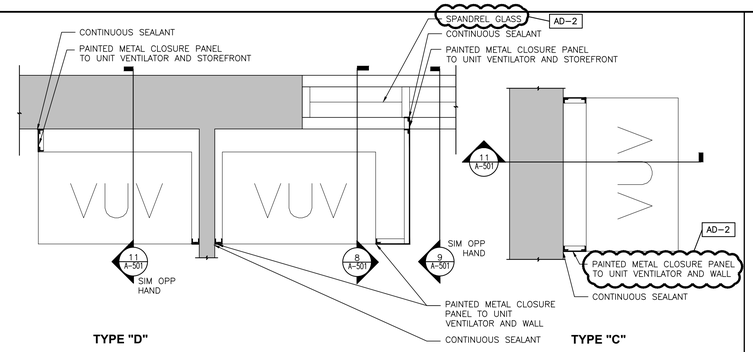
11 / A–501

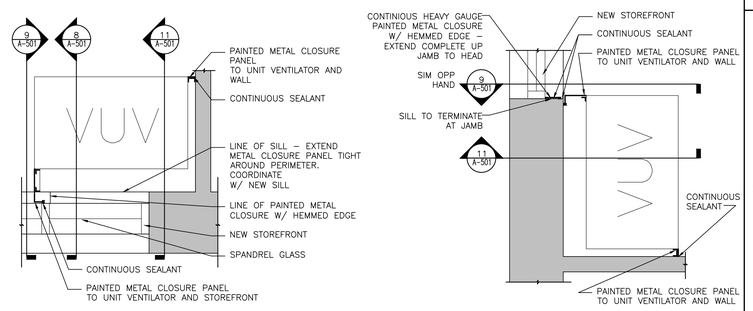


WALL SECTION @ WINDOW & UNIT VENT

SCALE: 3/4" = 1'–0"

9 / A–501

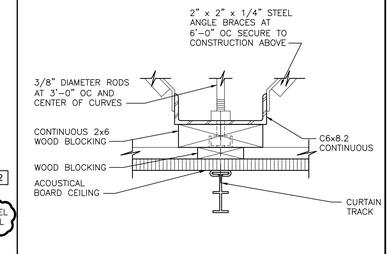




UNIT VENT TYPICALPLAN DETAILS

SCALE: 3/4" = 1'–0"

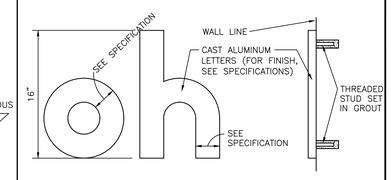
6 / A–501



CUBICAL CURTAIN TRACK DETAIL

SCALE: 3" = 1'–0"

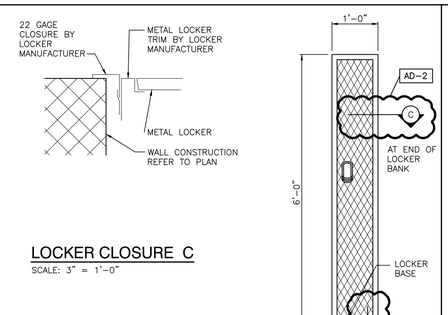
4 / A–501



ALUMINUM LETTER DETAIL

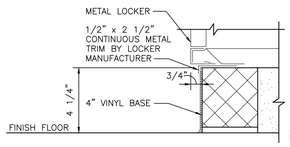
SCALE: 1 1/2" = 1'–0"

3 / A–501



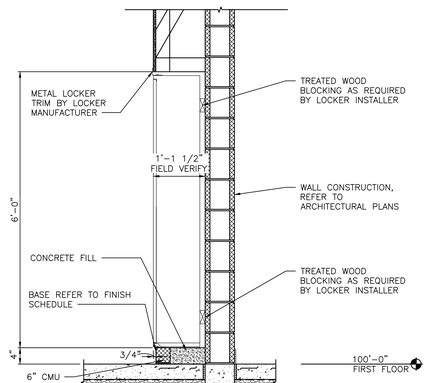
LOCKER CLOSURE C

SCALE: 3" = 1'–0"



LOCKER BASE B

SCALE: 3" = 1'–0"



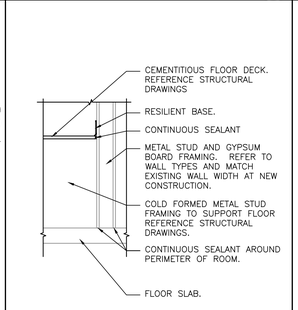
ATHLETIC LOCKER ELEVATION A

SCALE: 3/4" = 1'–0"

WALL SECTION AT SALVAGED LOCERS

SCALE: 3/4" = 1'–0"

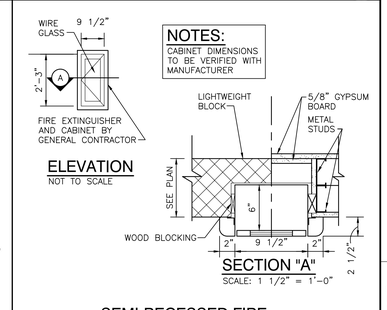
7 / A–501



ELEVATED FLOOR

SCALE: 3/4" = 1'–0"

5 / A–501



ELEVATION

NOT TO SCALE

SECTION "A"

SCALE: 1 1/2" = 1'–0"

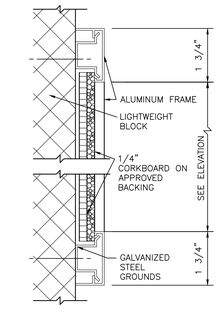
SEMI-RECESSED FIRE EXTINGUISHER CABINET

SCALE: 1 1/2" = 1'–0"

2 / A–501

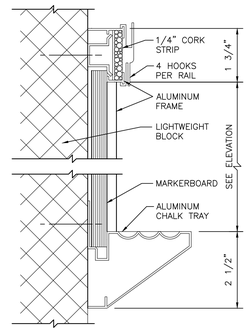
NOTES:

CABINET DIMENSIONS TO BE VERIFIED WITH MANUFACTURER



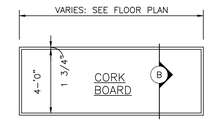
SECTION B

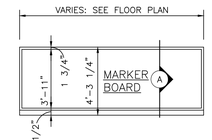
SCALE: 6" = 1'–0"



SECTION "A"

SCALE: 6" = 1'–0"





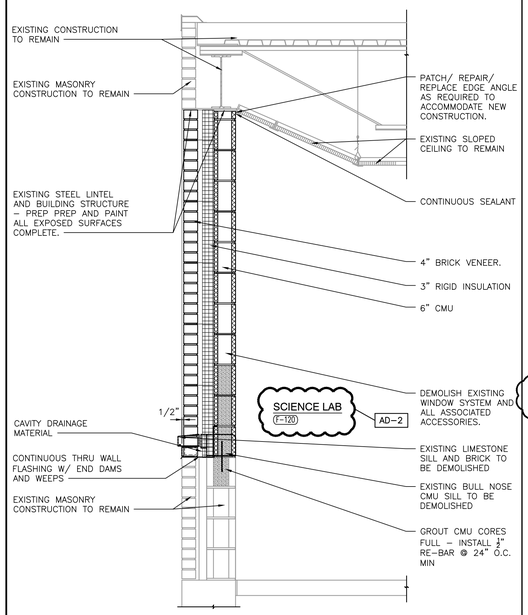
NOTES:

1. SEE FLOOR PLANS FOR LOCATION.
2. SEE FINISH PLANS FOR WALL FINISH.
3. MOUNTING HEIGHT AS DIRECTED BY ARCHITECT.

MARKER/CORK BOARD ELEVATIONS

SCALE: 1/4" = 1'–0"

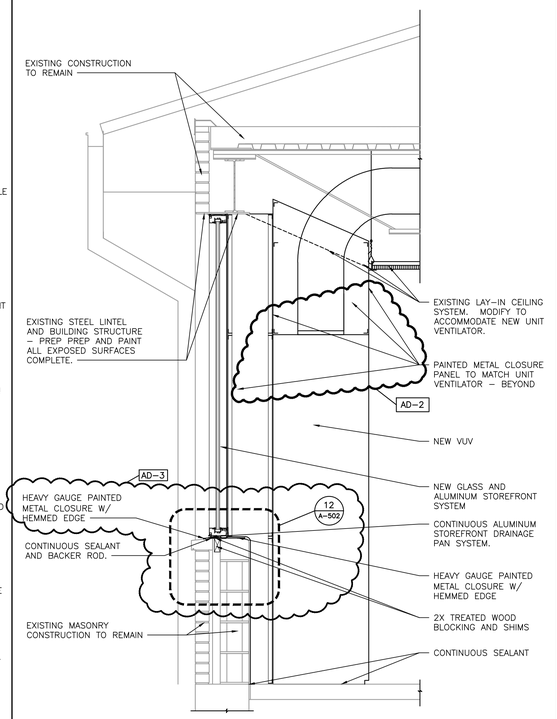
1 / A–501



WALL SECTION @ WALL INFILL

SCALE: 3/4" = 1'–0"

10 / A–501



WALL SECTION @ WINDOW & UNIT VENT

SCALE: 3/4" = 1'–0"

8 / A–501

GIBRALTAR DESIGN

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20–144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY TA
CHECKED BY DBI DBu

MICHAEL L. RUSSELL REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD–2	04/16/21	ADDENDUM NO. 2
AD–3	04/23/21	ADDENDUM NO. 3

DRAWING

TYPICAL DETAILS

PROJECT

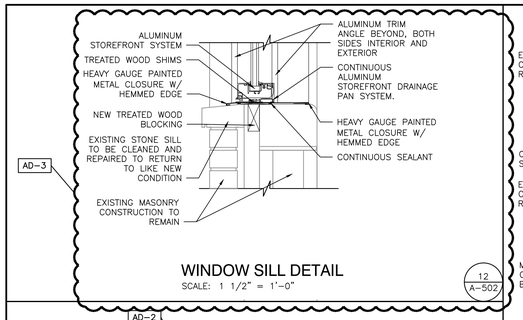
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET

A–501

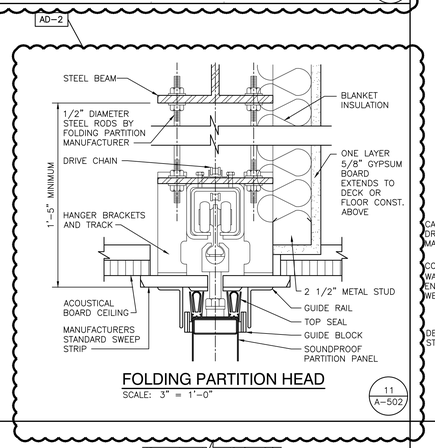
Friday, 4/23/2021 – 8:16 AM – LAST SAVED BY:DBURNS
Y:\20–144 HANOVER CSC – HIGH SCHOOL ADDITION AND RENOVATIONS\20–144 DRAWINGS\05 ARCH\A–501.DWG



WINDOW SILL DETAIL

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

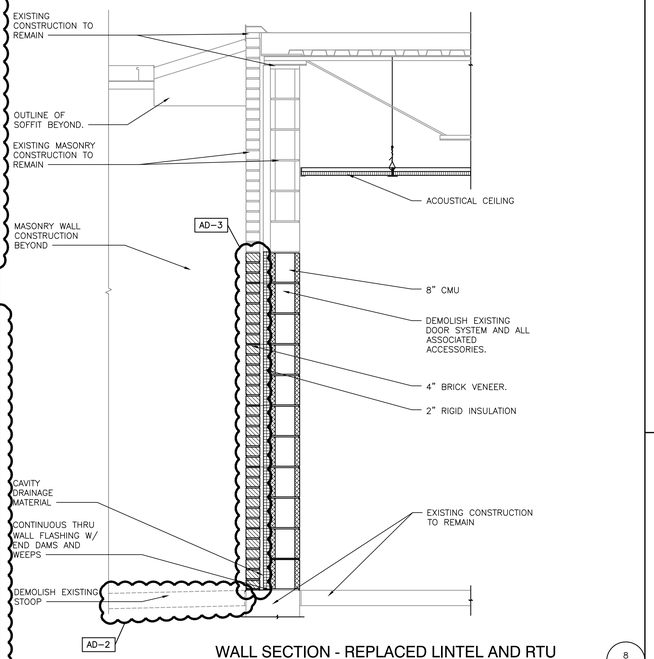
12 / A-502



FOLDING PARTITION HEAD

SCALE: 3" = 1'-0"

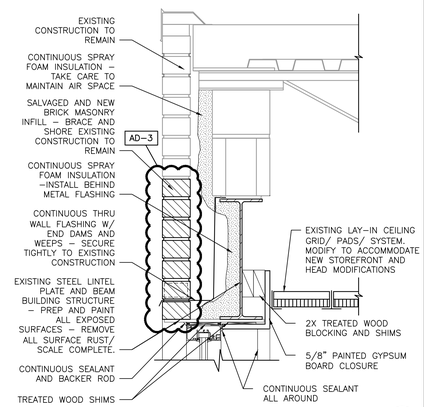
11 / A-502



WALL SECTION - REPLACED LINTEL AND RTU

SCALE: 3/4" = 1'-0"

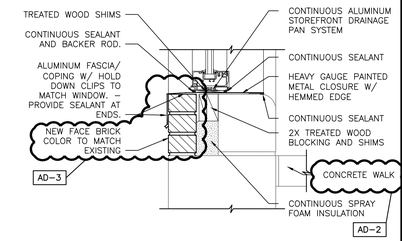
8 / A-502



SECTION DETAIL

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

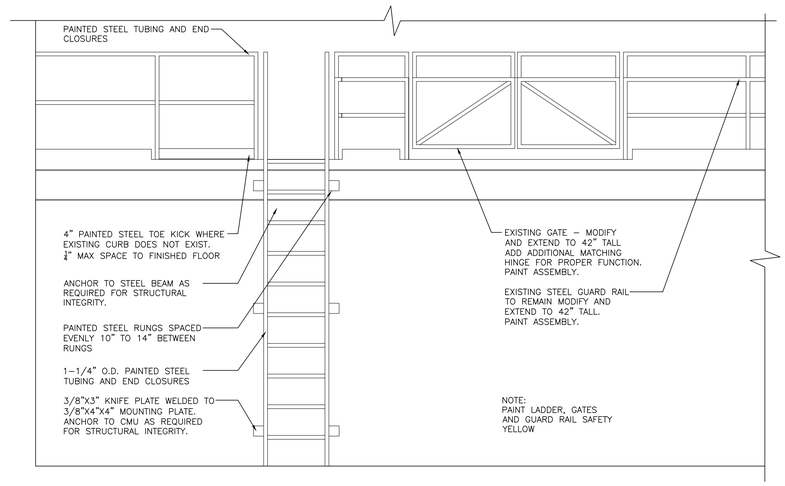
5 / A-502



SECTION DETAIL

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

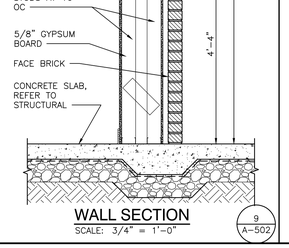
4 / A-502



PLATFORM LADDER AND GUARD ELEVATION

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

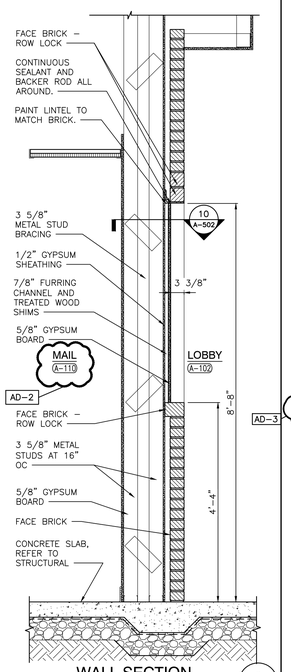
3 / A-502



PLAN DETAIL

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

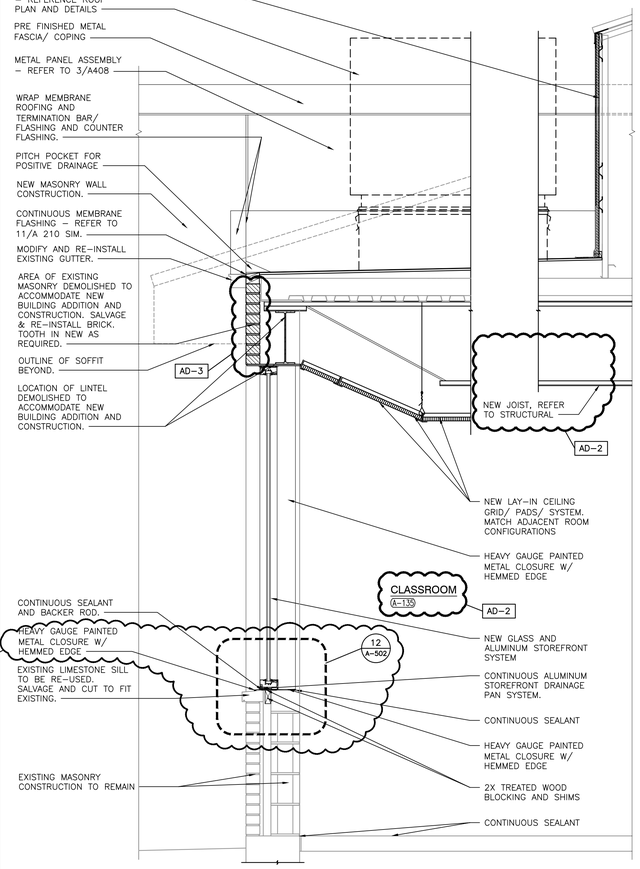
10 / A-502



WALL SECTION

SCALE: 3/4" = 1'-0"

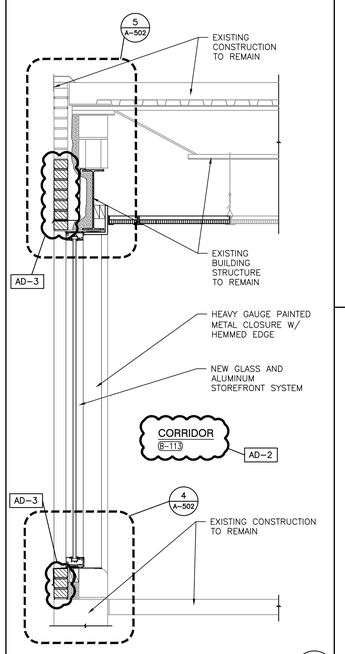
9 / A-502



WALL SECTION - REPLACED LINTEL AND RTU

SCALE: 3/4" = 1'-0"

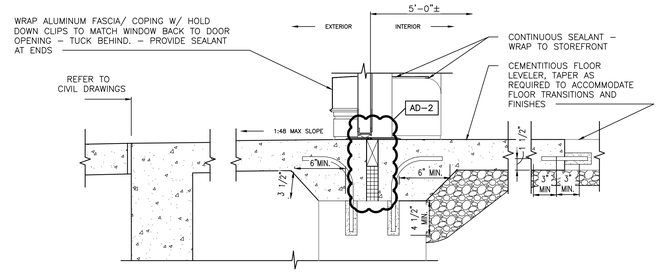
7 / A-502



WALL SECTION @ CONNECTOR

SCALE: 3/4" = 1'-0"

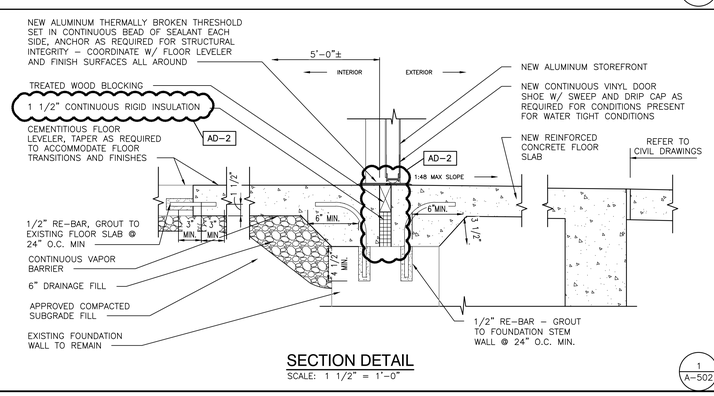
6 / A-502



SECTION DETAIL

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

2 / A-502



SECTION DETAIL

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

1 / A-502

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

PROJECT 20–144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY TA
CHECKED BY DBI DBu

MICHAEL L. ROSELLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
SECTION DETAILS

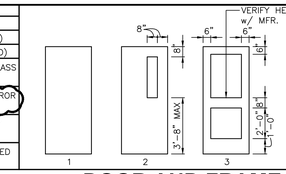
PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
A-502

Friday, 4/23/2021 – 8:15 AM – LAST SAVED BY:BURNS
Y:\20–144 HANOVER CSC – HIGH SCHOOL ADDITION AND RENOVATIONS\20–144 DRAWINGS\05 ARCH\A–502.DWG

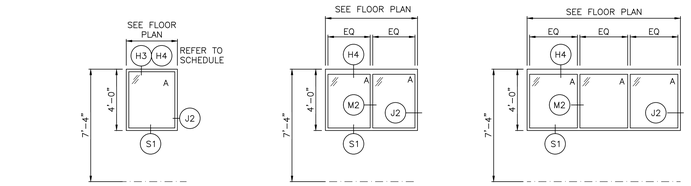
GLASS SCHEDULE	
MK	GLASS TYPES
A	1/4" TEMPERED (CLEAR)
B	1" INSUL. GLASS (TINTED)
C	1" INSUL. SPANDREL GLASS (TINTED) AD-2
D	1/4" TRANSPARENT MIRROR TEMPERED (CLEAR)
E	1/2" LAMINATED SAFETY GLASS (CLEAR)
F	3/8" ACOUSTIC LAMINATED SAFETY GLASS

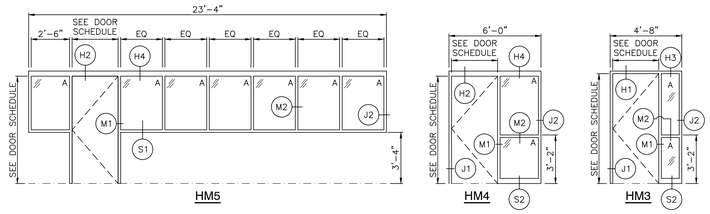


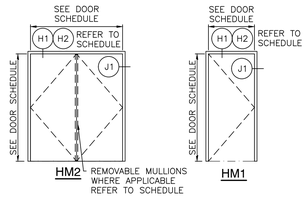
LOUVER SCHEDULE	
MK	LOUVER SIZE

DOOR AND FRAME SCHEDULE

DOOR NO	DESCRIPTION	TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	GLASS DOOR	GLASS SIDE LGT	GLASS TRA	FRAME MAT'L	FRAME WIDTH	FRAME JAMB	FRAME HEAD	FRAME SILL	FRAME ELEV	LABEL	HARDWARE EXIT DEVICE	HARDWARE CLOSER	NOTES
E-141A	SINGLE	2	36 x 84	WD		A			HM	8 3/4"	J1	H2		HM1				7
E-142A	SINGLE	2	36 x 84	WD		A			HM	8 3/4"	J1	H2		HM1				7
E-143A	SINGLE	2	36 x 84	WD		A			HM	8 3/4"	J1	H2		HM1				7
E-144A	SINGLE	2	36 x 84	WD		A			HM	8 3/4"	J1	H2		HM1				7
E-145A	SINGLE	2	36 x 84	WD		A			HM	8 3/4"	J1	H2		HM1				7
E-146A	SINGLE	2	36 x 84	WD		A			HM	8 3/4"	J1	H2		HM1				
E-151A	DOUBLE	2	PR 34 x 84	WD		A			HM	8 3/4"	J1	H2		HM2				7
E-153A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
E-154A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
E-155A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
E-157A	DOUBLE	1	PR 36 x 84	WD					HM	8 3/4"	J1	H2		HM2				
F-101A	DOUBLE	3	PR 36 x 84	AL		B	B		AL	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF34		YES	YES	4,5,8
F-101B	DOUBLE	3	PR 36 x 84	AL		B	B		AL	4 1/2"	SEE ELEV	SEE ELEV	SEE ELEV	SF34		YES	YES	4,5,8
F-103A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
F-106A	SINGLE	2	36 x 86	WD		A			HM	8 3/4"	J1	H1		HM1				
F-108A	SINGLE	2	36 x 86	WD		A			HM	8 3/4"	J1	H1		HM1				
F-112A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
F-117A	SINGLE	1	36 x 84	WD					HM	5 3/4"	J1	H2		HM1				
F-121A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
F-122A	SINGLE	1	36 x 84	WD					HM	5 3/4"	J1	H2		HM1				
F-123G	EXISTING SINGLE		36 x 84							8 3/4"								6
F-135A	SINGLE	1	36 x 84	WD					HM	5 3/4"	J1	H2		HM1				
F-135B	SINGLE	1	36 x 84	WD					HM	5 3/4"	J1	H2		HM1				
F-137A	SINGLE		36 x 84	WD					HM	5 3/4"	J1	H2		HM1				
F-138A	SINGLE	1	36 x 84	WD					HM	5 3/4"	J1	H2		HM1				
F-138B	SINGLE	1	36 x 84	WD					HM	5 3/4"	J1	H2		HM1				
G-106A	EXISTING SINGLE		36 x 84							8 3/4"								6
G-107A	EXISTING SINGLE		36 x 84							8 3/4"								6
G-122A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
G-128A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
G-129A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
G-137A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
G-138A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
G-139A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
G-140A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
G-143A	SINGLE	1	36 x 84	WD					HM	8 3/4"	J1	H2		HM1				
A-201A	SINGLE	1	36 x 72	HM					HM	8 3/4"	J1	H2	5" A-408	HM1			YES	12







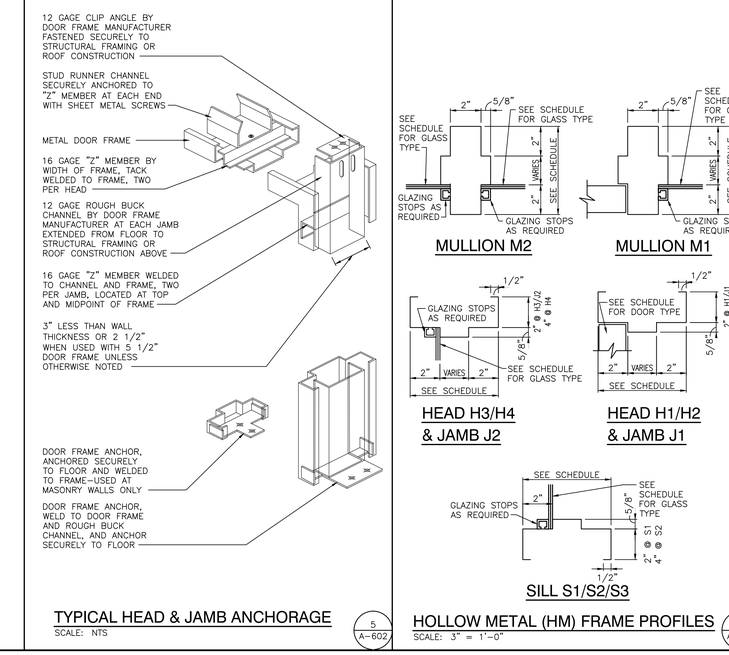
NOTES - HOLLOW METAL (HM)

1. FOR HOLLOW METAL HEAD, JAMB AND SILL DETAILS REFER TO WALL SECTIONS AND HOLLOW METAL (HM) FRAME PROFILES 3/A-601.
2. PROVIDE SEALANT AROUND PERIMETER OF ALL FRAMES.
3. DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
4. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. SEE ROOM FINISH SCHEDULE FOR WALL FINISHES.
5. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.

HOLLOW METAL FRAME ELEVATIONS (HM)

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

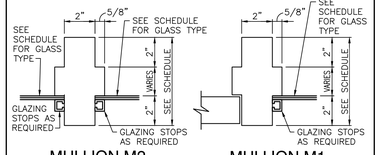
4 / A-602

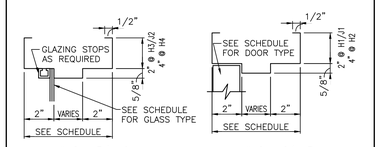


TYPICAL HEAD & JAMB ANCHORAGE

SCALE: NTS

5 / A-602

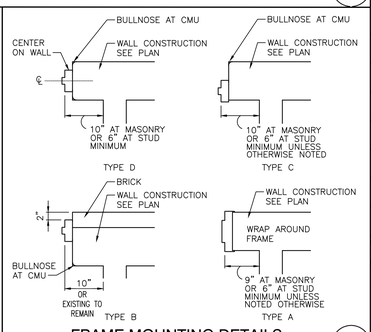




HOLLOW METAL (HM) FRAME PROFILES

SCALE: 3" = 1'-0"

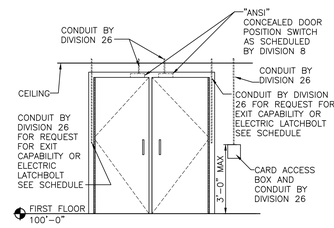
3 / A-602



FRAME MOUNTING DETAILS

SCALE: NTS

2 / A-602



ELECRTICAL ROUGH-IN AT DOOR FRAMES

SCALE: NTS

1 / A-602

GENERAL DOOR NOTES

AD-3

A. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. REFER TO A800 SERIES DRAWINGS FOR WALL FINISHES.
B. SEAL ALL JAMBS AND HEADS WHERE FRAMES MEET EXPOSED MASONRY AND/OR GYPSUM BOARD.
C. PROVIDE A SCRIBE MOLD AT ALL EXTERIOR DOOR FRAMES AND WHERE NOTED ON DRAWINGS. SCRIBE MOLD TO BE 3/4" X 3/4" METAL AT EXTERIOR OF METAL FRAMES AND AT BOTH SIDES OF ALUMINUM FRAMES. SET SCRIBE MOLDS IN SEALANT.
D. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.
E. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, BOTH NEW AND EXISTING.
F. SHIM SPACE IS NOT SHOWN ON DOOR FRAME ELEVATIONS FOR ALUMINUM STOREFRONT. TAKE THESE DIMENSIONS INTO ACCOUNT AND ADJUST DIMENSIONS ACCORDINGLY.
G. FOR DOOR POSITION WITHIN WALL REFER TO FRAME MOUNTING DETAIL 2-A602.
H. FOR ELECTRICAL ROUGH-IN AT DOORS REFER TO DETAIL 1-A602.
I. FOR HOLLOW METAL FRAME ELEVATIONS (HM) REFER TO 4-A602. FOR HOLLOW METAL (HM) FRAME PROFILES REFER TO 3-A602.
J. FOR ALUMINUM STOREFRONT ELEVATIONS (SF) REFER TO 1-A610 AND 1/A611. FOR STOREFRONT (SF) FRAME PROFILES REFER TO 2-A611.
K. GLASS NOTED IN SIDELIGHT COLUMN FOR STOREFRONT WITH NO DOOR APPLIES TO ALL OPENINGS IN FRAME UNLESS NOTED OTHERWISE.
L. REFER TO FLOOR PLANS FOR LOCATIONS OF NEW AND EXISTING ADA PUSH PADS FOR POWER ASSISTED OPERATORS.

DOOR SCHEDULE NOTES (REMARKS):

1. PANIC DEVICE TO HAVE ELECTRIC LATCH BOLT. PREPARE FRAME FOR ELECTRIFIED HINGE.
2. DOOR TO BE CONTROLLED BY CARD READER/FOB. REFER TO ELECTRICAL DRAWINGS FOR ROUGH IN.
3. PROVIDE POWER ASSISTED OPERATOR ON ONE LEAF OF DOUBLE DOORS.
4. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF MASTIC.
5. KEYED REMOVABLE MULLION.
6. EXISTING DOOR TO RECEIVE NEW HARDWARE.
7. PROVIDE SOUND SEAL.
8. PREPARE DOOR AND FRAME FOR DOOR POSITION SWITCH.
9. PROVIDE DOOR RELEASE ON AI PHONE LOCATED AT RECEPTION DESK.
10. ALTERNATE
11. NEW THRESHOLD FOR EXISTING OVERHEAD DOOR.
12. REFER TO A-201 AND 8/A-301 FOR LOCATION AND A-408 FOR PLAN AND SECTION. AD-3

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY DBu PD
CHECKED BY DBI DBu

MICHAEL L. POSSITEL REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING

DOOR AND FRAME SCHEDULE, PROFILES, ELEVATIONS, AND DETAILS

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET

A-602

Friday, 4/23/2021 - 11:05 AM - LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-602.DWG

FINISH LEGEND

SURFACE	MARK	DESCRIPTION	MANUFACTURER	PATTERN/FINISH	NUMBER/COLOR	SIZE	COMMENTS
CEILING MATERIALS							
CEILING	ACT1	ACOUSTICAL CEILING	ARMSTRONG	SQUARE LAY-IN	1728 FINE FISSURED	2'X2'	WITH HUMIGUARD PLUS PERFORMANCE
CEILING	ACT2	ACOUSTICAL CEILING	ARMSTRONG	CLEAN ROOM (AD-3)	VL-NONPERFORATED	2'X2'	WITH HUMIGUARD PLUS PERFORMANCE
CEILING	ACT3	ACOUSTICAL CEILING	ARMSTRONG	OPTIMA (OPEN PLAN)	3152	2'X2'	WITH HUMIGUARD PLUS PERFORMANCE
CEILING	ACT4	ACOUSTIC DIFFUSION CEILING PANELS	RPG ACOUSTICAL SYSTEMS	FORMEDIFFUSOR	WHITE	2'X2'	
WALL BASE							
WALL BASE	B1	RESILIENT BASE	JOHNSONITE	COVE	20 CHARCOAL WG	4"	...
WALL BASE	TB1	TILE BASE	DALTILE	PORTFOLIO – COVE BASE	P36CPTP36C9T PF06 IRON GREY	6"X12"	...
WALL BASE	EB1	EPOXY BASE	SHERWIN WILLIAMS	CERAMIC CARPET #400	SALT & PEPPER	4"	...
FLOOR MATERIALS							
FLOOR	VCT1a	VINYL COMPOSITE TILE	ARMSTRONG FLOORING	PREMIUM EXCELON RAFFIASTREAM	Z5901 RAIN	1'x2'	INSTALLATION: ASHLAR
FLOOR	VCT1b	VINYL COMPOSITE TILE	TARKETT	TARKETT VCT	1324 COOL GRAY	1'x1'	INSTALLATION: ASHLAR
FLOOR	VCT2a	VINYL COMPOSITE TILE	ARMSTRONG FLOORING	PREMIUM EXCELON RAFFIASTREAM	Z5923 DARK SKY	1'x2'	INSTALLATION: ASHLAR
FLOOR	VCT2b	VINYL COMPOSITE TILE	TARKETT	TARKETT VCT	1374 CHARCOAL	1'x1'	INSTALLATION: ASHLAR
FLOOR	VCT3a	VINYL COMPOSITE TILE	ARMSTRONG FLOORING	PREMIUM EXCELON RAFFIASTREAM	Z5900 AVALANCHE	1'x2'	INSTALLATION: ASHLAR
FLOOR	VCT3b	VINYL COMPOSITE TILE	TARKETT	TARKETT VCT	1314 WHITE/GREY	1'x1'	INSTALLATION: ASHLAR
FLOOR	VCT4a	VINYL COMPOSITE TILE	ARMSTRONG FLOORING	PREMIUM EXCELON RAFFIASTREAM	Z5934 MOONLIGHT	1'x2'	INSTALLATION: ASHLAR
FLOOR	VCT4b	VINYL COMPOSITE TILE	TARKETT	TARKETT VCT	1238 OCEAN TIDE	1'x1'	INSTALLATION: ASHLAR
FLOOR	VCT5a	VINYL COMPOSITE TILE	ARMSTRONG FLOORING	PREMIUM EXCELON RAFFIASTREAM	Z5922 THUNDERSTORM	1'x2'	INSTALLATION: ASHLAR
FLOOR	VCT5b	VINYL COMPOSITE TILE	TARKETT	TARKETT VCT	1364 DARK GREY	1'x1'	INSTALLATION: ASHLAR
FLOOR	VCT6a	VINYL COMPOSITE TILE	ARMSTRONG FLOORING	PREMIUM EXCELON RAFFIASTREAM	Z5938 FLAME	1'x2'	INSTALLATION: ASHLAR
FLOOR	VCT6b	VINYL COMPOSITE TILE	TARKETT	TARKETT VCT	1379 RED	1'x1'	INSTALLATION: ASHLAR
FLOOR	R1	RUBBER TILE	NORA SYSTEMS	NORAMENT GRANO	5304 BLACK PEPPER	1004 X 1004MM	--
FLOOR	R1b	RUBBER TILE	TARKETT	MICROTONE – HAMMERED	LB9 RAINSTORM	2'x2'	--
FLOOR	LVT1a	LUXURY VINYL TILE	INTERFACE	NATURAL WOODGRAINS	A00207 WASHED WHEAT	25CM X 100CM	INSTALLATION: ASHLAR
FLOOR	LVT1b	LUXURY VINYL TILE	TARKETT	iD LATITUDE WOOD	3606 CHAMOIS OAK	6"x48"	INSTALLATION: ASHLAR
FLOOR	C1a	CARPET TILE	INTERFACE	SR799	104937 ONYX	50CM X 50CM	INSTALLATION:
FLOOR	C1b	CARPET TILE	TARKETT	ASSERTIVE ACTION 04837	STEELWORK 26202	24"x24"	INSTALLATION:
FLOOR	C2a	CARPET TILE	INTERFACE	SUPER FLOR	609191 SEVILLE PASSION	50CM X 50CM	INSTALLATION:
FLOOR	C2b	CARPET TILE	TARKETT	ASSERTIVE ACTION 04837	26212 BLAST FURNACE	24"x24"	INSTALLATION:
FLOOR	C3a	CARPET TILE	INTERFACE	AE310	104627 SMOKE	50CM X 50CM	INSTALLATION:
FLOOR	C3b	CARPET TILE	TARKETT	PERSONA	15709 CHARRED	24"x24"	INSTALLATION:
FLOOR	C4a	CARPET TILE	INTERFACE	BIRATE	106298 DARK RED	25CM X 100CM	INSTALLATION: ASHLAR
FLOOR	C4b	CARPET TILE	TARKETT	SYLLABUS 10965	NEW AGE 76508	24"x24"	INSTALLATION: ASHLAR
FLOOR	C5a	CARPET TILE	INTERFACE	AE311	104674 SMOKE	25CM X 100CM	INSTALLATION: ASHLAR
FLOOR	C5b	CARPET TILE	TARKETT	11183 CHAIN REACTION	72201 SHUTTLE	24"x36"	INSTALLATION: ASHLAR
FLOOR	C6a	CARPET TILE	INTERFACE	AE317	105829 AZURE	25CM X 100CM	INSTALLATION: ASHLAR
FLOOR	C6b	CARPET TILE	TARKETT	11183 CHAIN REACTION	72207 SHUTTLE SAPPHIRE	24"x36"	INSTALLATION: ASHLAR
FLOOR	FT1	FLOOR TILE	DALTILE	PORTFOLIO	IPF06 RON GREY	12"X24"	INSTALLATION: ASHLAR
FLOOR	EP1	EPOXY FLOOR	SHERWIN WILLIAMS	CERAMIC CARPET #400	SALT & PEPPER	--	INSTALLATION:
WALL MATERIALS							
WALL	P1	PAINT	SHERWIN WILLIAMS	GRIZZLE GRAY	SW 7068	--	TRIM COLOR
WALL	P2	PAINT	SHERWIN WILLIAMS	CRUSHED ICE	SW 7647	--	FIELD
WALL	P3	PAINT	SHERWIN WILLIAMS	WHITE DUCK	SW 7010	--	
WALL	P4	PAINT	SHERWIN WILLIAMS	UNCERTAIN GREY	SW 6234	--	
WALL	P5	PAINT	SHERWIN WILLIAMS	SILKEN PEACOCK	SW 9059	--	
WALL	P6	PAINT	SHERWIN WILLIAMS	BLUE PLATE	SW 6796	--	
WALL	P7	PAINT	SHERWIN WILLIAMS	WHITE DUCK	SW 7010	--	
WALL	P8	PAINT	SHERWIN WILLIAMS	CEILING BRIGHT WHITE	SW 7007	--	
WALL	W1	WALLCOATING	SHERWIN WILLIAMS	AFRICAN GRAY	SW 9162	--	
WALL	W2	WALLCOATING	SHERWIN WILLIAMS	CRUSHED ICE	SW 7647	--	
WALL	W3	WALLCOATING	SHERWIN WILLIAMS	FLYWAY	SW 6794	--	
WALL	W4	WALLCOATING	SHERWIN WILLIAMS	SKY FALL	SW 9049	--	
WALL	W5	WALLCOATING	SHERWIN WILLIAMS	WHITE DUCK	SW 7010	--	
WALL	W6	WALLCOATING	SHERWIN WILLIAMS	BLUE PLATE	SW 6796	--	
WALL	W7	WALLCOATING	SHERWIN WILLIAMS	BOLERO	SW 7600	--	
WALL	W8	WALLCOATING	SHERWIN WILLIAMS	--BLUE--	CUSTOM COLOR	--	
WALL	W9	WALLCOATING	SHERWIN WILLIAMS	PICKLE	SW	--	
WALL	WC1	WALL COVERING	TOWER TRIKES	ABSOLUTE	T2-AL-28 CREAM	--	
WALL	WC2	WALL COVERING	TOWER TRIKES	ABSOLUTE	T2-AL-34 POMEGRANATE		
WALL	WC3	WALL COVERING	TOWER TRIKES	ABSOLUTE	T2-AL-21 DEEP INDIGO		
WALL	WC4	WALL COVERING	LEVEL DIGITAL WALLCOVERING	L80407 TECH SUPPORT-EXABYTE	CUSTOM COLOR/SCALE		STRIKE OFF REQUIRED
WALL	WC5	WALL COVERING	LEVEL DIGITAL WALLCOVERING	L11-1402 VIVIENNE BLOSSOM	CUSTOM COLOR/SCALE		STRIKE OFF REQUIRED
WALL	WT1	WALL TILE	CROSSVILLE INC.	LAMINAM	CALCE BIANCO		
WALL	WT2	WALL TILE	CROSSVILLE INC.	LAMINAM	CALCE ANTRACITE 3+		
WALL	WT3	WALL TILE	AMERICAN OLEAN	BRIGHT AND MATTE	GLOSS ALMOND	6"X6"	
WALL	WT4	WALL TILE	AMERICAN OLEAN	BRIGHT AND MATTE	GLOSS SUMMER RAIN	6"X6"	
WALL	WT5	WALL TILE	AMERICAN OLEAN	BRIGHT AND MATTE	GLOSS STORM GRAY	6"X6"	
WALL	WT6	WALL TILE	DALTILE	COLOR WHEEL CLASSIC	GLOSS BISCUIT	3"X6"	
WALL	WT7	WALL TILE	DALTILE	COLOR WHEEL CLASSIC	GLOSS ELECTRIC BLUE	3"X6"	
WALL	WT8	WALL TILE	DALTILE	COLOR WHEEL CLASSIC	GLOSS SEA BREEZE	3"X6"	
WALL	WT9	WALL TILE	DALTILE	PORTFOLIO	PF06 IRON GREY	12"X24"	
WALL	WT10	WALL TILE	DALTILE	PORTFOLIO	PF06 IRON GREY	6"X24"	
WALL	WT11	WALL TILE	DALTILE	PORTFOLIO	PF05 ASH GREY	12"X24"	
WALL	WT12	WALL TILE	DALTILE	PORTFOLIO	PF05 ASH GREY	6"X24"	
WALL	SC1	SEALED CONCRETE	--	--	--	--	
WALL	TS1	TACKABLE SURFACE	FORBO	BULLETIN BOARD	2182	48"X90'	
CASEWORK AND MILLWORK							
SURFACE	SS1	SOLID SURFACE	CORIAN	--	ARROWROOT	...	...
SURFACE	PL1	PLASTIC LAMINATE	WILSONART	TEXTURED GLOSS FINISH	COLOMBIAN WALNUT	...	...
SURFACE	PL2	PLASTIC LAMINATE	WILSONART	FINE VELVET FINISH	PRESSED LINEN	...	...
SURFACE	PL3	PLASTIC LAMINATE	PIONITE	TEXTURED/SUEDE	SABLE	...	...
SURFACE	PL4	PLASTIC LAMINATE	WILSONART	FINE VELVET FINISH	MISTED ZEPHYR	...	...
SURFACE	PL5	PLASTIC LAMINATE	PIONITE	AW785 SUEDE	WHITE SPEKTRUM	...	...
SURFACE	PL6	PLASTIC LAMINATE	WILSONART	ALIGNED TEXTURE	RUSKIN OAK	...	...
MISCELLANEOUS							
MISC	TP1	TOILET PARTITION	SCANTON PRODUCTS	ORANGE PEEL	BURGANDY	...	...
MISC	TP2	TOILET PARTITION	SCANTON PRODUCTS	ORANGE PEEL	BLUEBERRY	...	...
MISC	TP3	TOILET PARTITION	HINY HINDERS	ORANGE PEEL	CHARCOAL GREY	...	...
MISC	LK1	LOCKERS	THYSSEN KRUPP	WHISTLE RED	WHISTLE RED F-122	...	...
MISC	CB1	CUBICLE CURTAIN	ARCHITEX	Rx 6016	BASSWOOD	...	...
MISC	CB2	CUBICLE CURTAIN	KNOLL TEXTILES	PORTRAIT	WATERCOLOR	...	...
MISC	AWP1	ACOUSTIC WALL PANEL	MAHARAM	MODE	033 DENIM	...	...
MISC	AWP2	ACOUSTIC WALL PANEL	MAHARAM	MELD	040 CREEK	...	...
MISC	AWP3	ACOUSTIC WALL PANEL	MAHARAM	MANNER	034 RESOLUTE	...	...
MISC	AWP4	ACOUSTIC WALL PANEL	MAHARAM	MANNER	029 SILVERPOINT	...	...
MISC	TRIM1	SCHLUTER STRIP	SCHLUTER	CORNER	--	...	...
MISC	TRIM2	SCHLUTER STRIP	SCHLUTER	EDGE	--	...	...
ETR = EXISTING TO REMAIN							

(AD-2)

(AD-3) GENERAL NOTE: IT IS INTENDED THAT FINISHES WITH MULTIPLE MANUFACTURER OPTIONS BE PRICED AS GROUPS IN ACCORDANCE WITH THE IDENTIFYING LETTER AS "a" or "b" AS EXPLICABLE.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY MLR
DRAWN BY ARM
CHECKED BY NAS

MICHAEL L. ROSTILO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	4/16/21	ADDENDUM #2
AD-3	04/23/21	ADDENDUM NO. 3

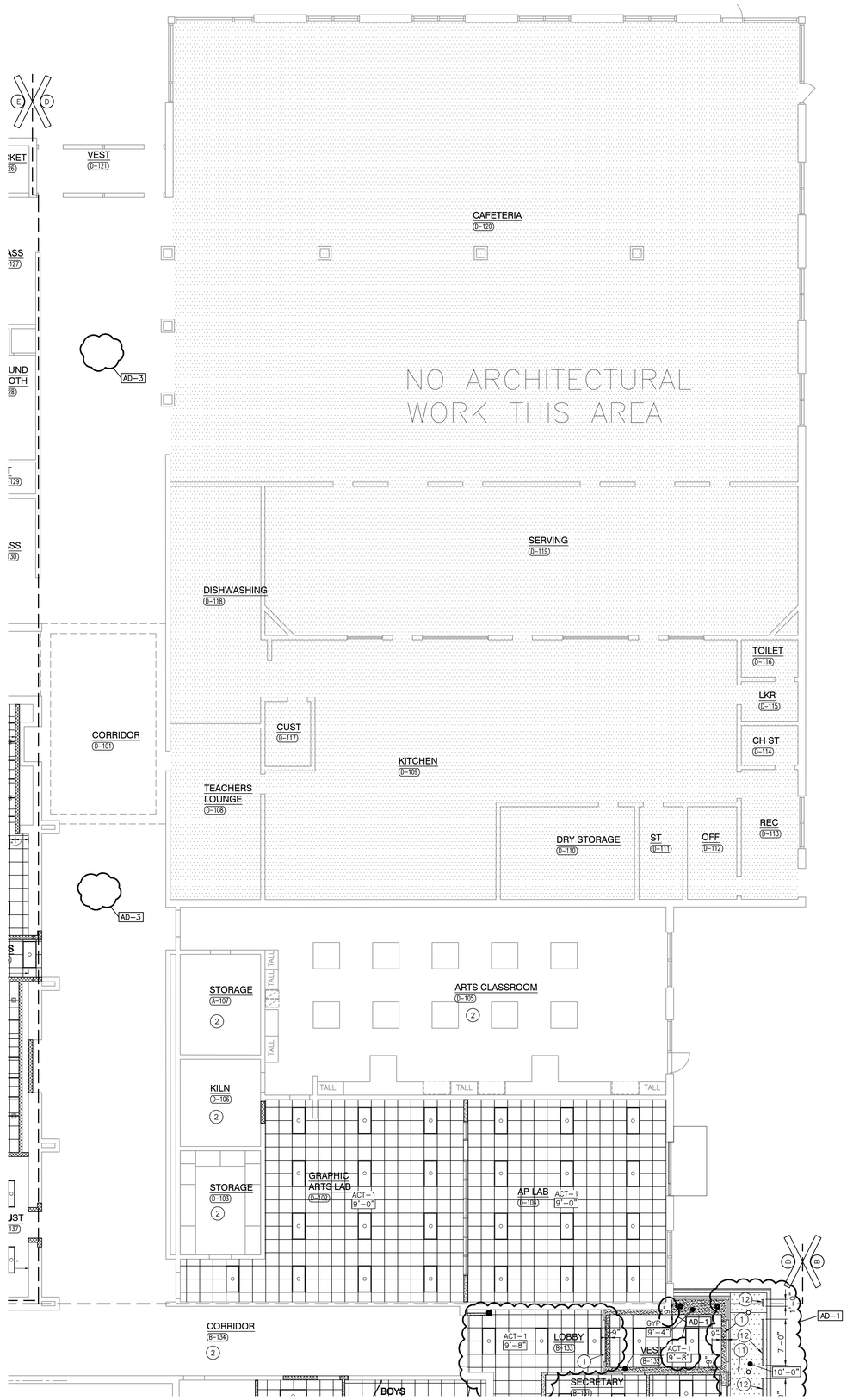
DRAWING
FINISH LEGEND

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
A-810

Friday, 4/23/2021 - 8:13 AM - LAST SAVED BY:CBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-810.DWG



UNIT "D" FIRST FLOOR REFLECTED CEILING PLAN

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

GENERAL REFLECTED CEILING PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G-SERIES SHEETS.

B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.

C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.

D. REFER TO FLOOR PLANS FOR WALL TYPES

E. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.

F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

H. REFERENCE FINISH LEGEND (A-810) FOR FINISH INFORMATION.

REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- ACT-1, ACT-2: 2'-0" x 2'-0" ACST. BD. CEILING
- ACT-3: 2'-0" x 2'-0" ACST. BD. CEILING NRC 0.90 TILE
- ACT-4: ACOUSTICAL DIFFUSION CEILING PANEL
- EFS SOFFIT
- METALWORKS LINEAR PLANKS
- LED LIGHT
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- WALL SCONCE LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- LINEAR SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- CEILING SPEAKER (S)
- OCCUPANCY SENSOR (OS)

REFLECTED CEILING PLAN NOTES:

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

1. GYPSUM BOARD BULKHEAD. PAINT PX — 1/A-901
2. NEW ACT1 CEILING TILES IN EXISTING GRID.
3. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW CONSTRUCTION AT STOREFRONT HEAD.
4. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW CONSTRUCTION.
5. SLOPE GRID CEILING TO MATCH EXISTING IN ADJACENT ROOM.
6. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW VUVS. REFERENCE FLOOR PLANS, SHEET A-501 AND MEP FOR ADDITIONAL INFORMATION.
7. AREA OF CEILING TO INTERFACE TO NEW VUVS. REFERENCE FLOOR PLANS, SHEET A-501 AND MEP FOR ADDITIONAL INFORMATION.
8. CEILING STRUCTURE: I BEAMS AND COLUMNS TO BE PAINTED W8, REFER TO A-830
9. CEILING EXPOSED STRUCTURE TO BE PAINTED P8
10. ALUMINUM BRAKE METAL. — 2/A-402 TYP
11. SOFFIT "V" JOINT.
12. 2" WIDE SOFFIT VENT, LENGTH AS INDICATED. — AD-1
13. NEW ACT2 CEILING TILES IN EXISTING GRID.
14. LINTEL TO BE AT 10'-0" AFF OR AS HIGH AS POSSIBLE IF 10'-0" IS NOT ACHIEVABLE. PAINT TO MATCH WALLS. — AD-3

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY PD
CHECKED BY DBI DBu

MICHAEL L. ROSELLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/23/21	ADDENDUM NO. 3

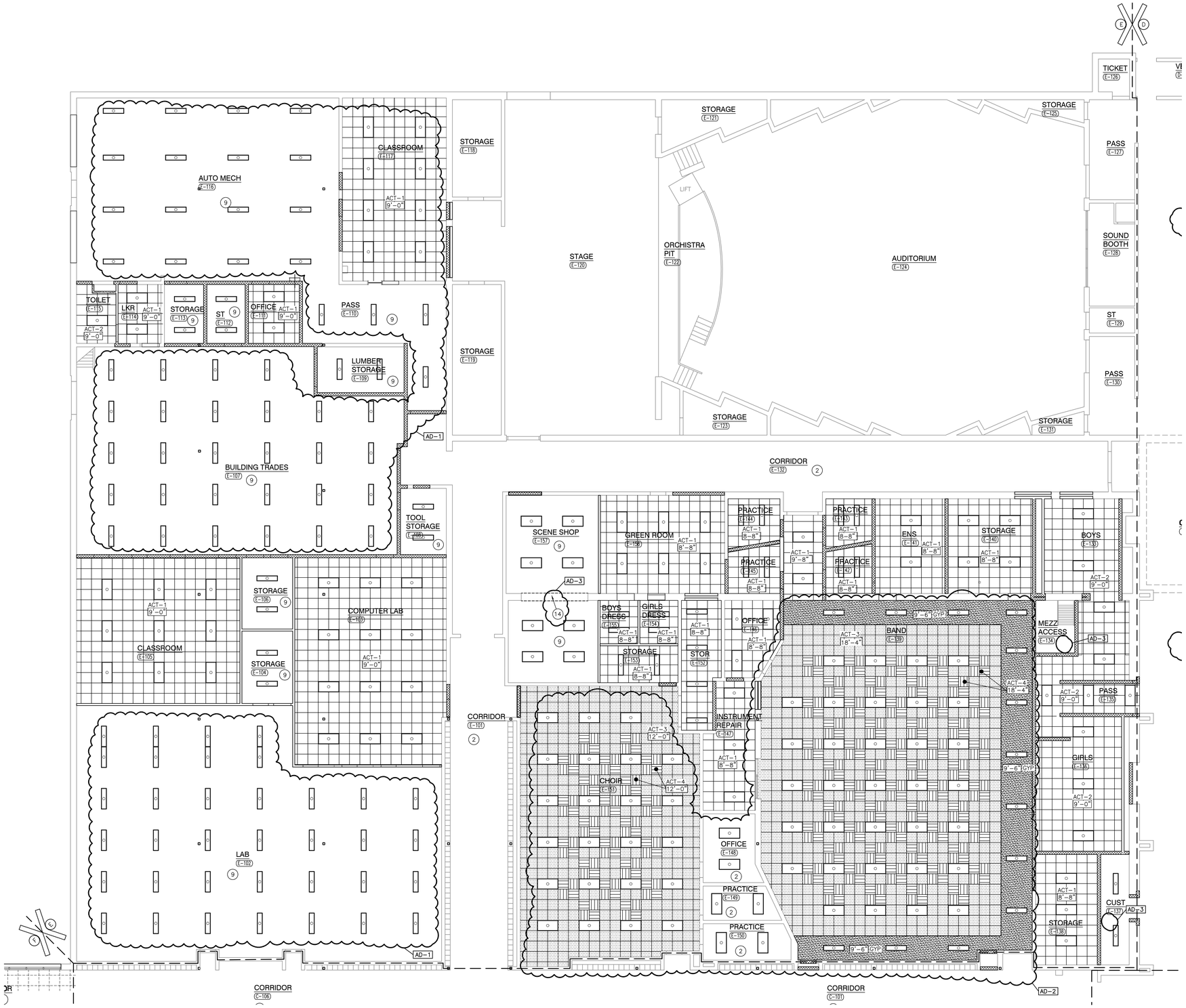
DRAWING
UNIT "D" FIRST FLOOR REFLECTED CEILING PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET D
A-904

Friday, 4/23/2021 - 9:42 AM - LAST SAVED BY:PDEGROTHY
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-904.DWG



UNIT "E" FIRST FLOOR REFLECTED CEILING PLAN

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

GENERAL REFLECTED CEILING PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G-SERIES SHEETS.

B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.

C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.

D. REFER TO FLOOR PLANS FOR WALL TYPES

E. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.

F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

H. REFERENCE FINISH LEGEND (A-810) FOR FINISH INFORMATION.

REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- ACT-1, ACT-2: 2'-0" x 2'-0" ACST. BD. CEILING
- ACT-3: 2'-0" x 2'-0" ACST. BD. CEILING NRC 0.90 TILE
- ACT-4: ACOUSTICAL DIFFUSION CEILING PANEL
- EFS SOFFIT
- METALWORKS LINEAR PLANKS
- LED LIGHT
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- WALL SCONCE LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- LINEAR SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- CEILING SPEAKER
- OCCUPANCY SENSOR

REFLECTED CEILING PLAN NOTES:

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

1. GYPSUM BOARD BULKHEAD. PAINT PX — (A-901)
2. NEW ACT1 CEILING TILES IN EXISTING GRID.
3. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW CONSTRUCTION AT STOREFRONT HEAD.
4. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW CONSTRUCTION.
5. SLOPE GRID CEILING TO MATCH EXISTING IN ADJACENT ROOM.
6. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW VUVS. REFERENCE FLOOR PLANS, SHEET A-501 AND MEP FOR ADDITIONAL INFORMATION.
7. AREA OF CEILING TO INTERFACE TO NEW VUVS. REFERENCE FLOOR PLANS, SHEET A-501 AND MEP FOR ADDITIONAL INFORMATION.
8. CEILING STRUCTURE: I BEAMS AND COLUMNS TO BE PAINTED W8, REFER TO A-830
9. CEILING EXPOSED STRUCTURE TO BE PAINTED P8
10. ALUMINUM BRAKE METAL. — (2/A-402) TYP
11. SOFFIT "V" JOINT
12. 2" WIDE SOFFIT VENT, LENGTH AS INDICATED. — AD-1
13. NEW ACT2 CEILING TILES IN EXISTING GRID.
14. LINTEL TO BE AT 10'-0" AFF OR AS HIGH AS POSSIBLE IF 10'-0" IS NOT ACHIEVABLE. PAINT TO MATCH WALLS. — AD-3

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY PD
CHECKED BY DBI DBu

MICHAEL L. ROSELLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "E" FIRST FLOOR REFLECTED CEILING PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET E A-905

Friday, 4/23/2021 - 10:20 AM - LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-905.DWG



UNIT "F" FIRST FLOOR REFLECTED CEILING PLAN

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

GENERAL REFLECTED CEILING PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G-SERIES SHEETS.

B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.

C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.

D. REFER TO FLOOR PLANS FOR WALL TYPES

E. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.

F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

H. REFERENCE FINISH LEGEND (A-810) FOR FINISH INFORMATION.

REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- ACT-1, ACT-2: 2'-0" x 2'-0" ACST. BD. CEILING
- ACT-3: 2'-0" x 2'-0" ACST. BD. CEILING NRC 0.90 TILE
- ACT-4: ACOUSTICAL DIFFUSION CEILING PANEL
- EFS SOFFIT
- METALWORKS LINEAR PLANKS
- LED LIGHT
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- WALL SCONCE LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- LINEAR SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- CEILING SPEAKER
- OCCUPANCY SENSOR

REFLECTED CEILING PLAN NOTES:

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

1. GYPSUM BOARD BULKHEAD. PAINT PX — 2/A-301
2. NEW ACT1 CEILING TILES IN EXISTING GRID.
3. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW CONSTRUCTION AT STOREFRONT HEAD.
4. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW CONSTRUCTION.
5. SLOPE GRID CEILING TO MATCH EXISTING IN ADJACENT ROOM.
6. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW VUVS. REFERENCE FLOOR PLANS, SHEET A-501 AND MEP FOR ADDITIONAL INFORMATION.
7. AREA OF CEILING TO INTERFACE TO NEW VUVS. REFERENCE FLOOR PLANS, SHEET A-501 AND MEP FOR ADDITIONAL INFORMATION.
8. CEILING STRUCTURE: I BEAMS AND COLUMNS TO BE PAINTED W8, REFER TO A-830
9. CEILING EXPOSED STRUCTURE TO BE PAINTED P8
10. ALUMINUM BRAKE METAL. — 2/A-402 TYP
11. SOFFIT "V" JOINT
12. 2" WIDE SOFFIT VENT, LENGTH AS INDICATED. — AD-1
13. NEW ACT2 CEILING TILES IN EXISTING GRID.
14. LINTEL TO BE AT 10'-0" AFF OR AS HIGH AS POSSIBLE IF 10'-0" IS NOT ACHIEVABLE. PAINT TO MATCH WALLS. — AD-3

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY PD
CHECKED BY DBI DBu

MICHAEL L. ROSSILLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/23/21	ADDENDUM NO. 3

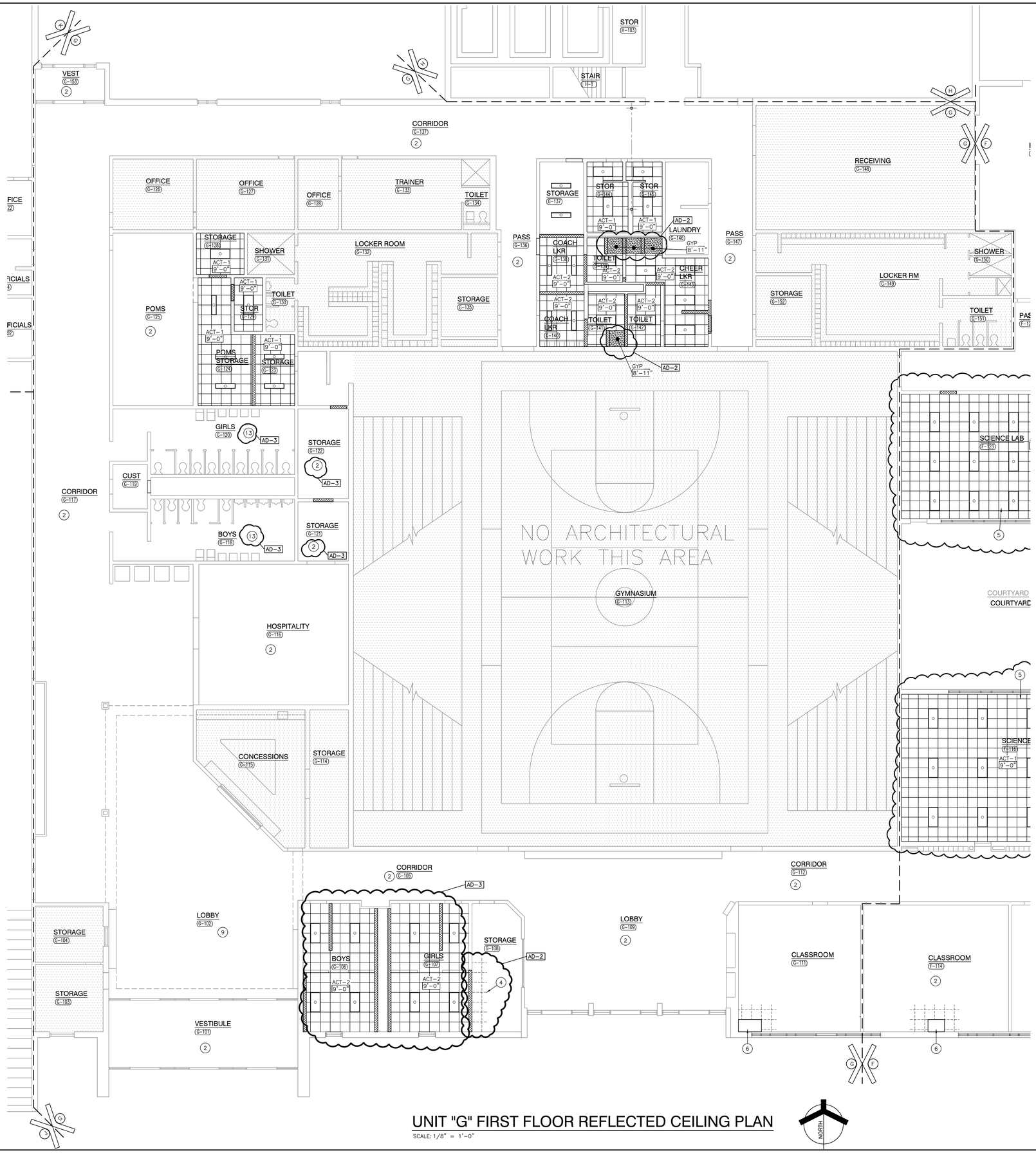
DRAWING
UNIT "F" FIRST FLOOR REFLECTED CEILING PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET F A-906

Friday, 4/23/2021 - 8:21 AM - LAST SAVED BY:BBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\20-144 DRAWINGS\05 ARCH\A-906.DWG



UNIT "G" FIRST FLOOR REFLECTED CEILING PLAN

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

GENERAL REFLECTED CEILING PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G-SERIES SHEETS.

B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.

C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.

D. REFER TO FLOOR PLANS FOR WALL TYPES

E. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.

F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

H. REFERENCE FINISH LEGEND (A-810) FOR FINISH INFORMATION.

REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- ACT-1, ACT-2: 2'-0" x 2'-0" ACST. BD. CEILING
- ACT-3: 2'-0" x 2'-0" ACST. BD. CEILING NRC 0.90 TILE
- ACT-4: ACOUSTICAL DIFFUSION CEILING PANEL
- EFS SOFFIT
- METALWORKS LINEAR PLANKS
- LED LIGHT
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- WALL SCONCE LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- LINEAR SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- CEILING SPEAKER
- OCCUPANCY SENSOR

REFLECTED CEILING PLAN NOTES:

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

1. GYPSUM BOARD BULKHEAD. PAINT PX — 1/A-901
2. NEW ACT1 CEILING TILES IN EXISTING GRID.
3. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW CONSTRUCTION AT STOREFRONT HEAD.
4. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW CONSTRUCTION.
5. SLOPE GRID CEILING TO MATCH EXISTING IN ADJACENT ROOM.
6. AREA OF CEILING TO BE MODIFIED TO RECEIVE NEW VUVS. REFERENCE FLOOR PLANS, SHEET A-501 AND MEP FOR ADDITIONAL INFORMATION.
7. AREA OF CEILING TO INTERFACE TO NEW VUVS. REFERENCE FLOOR PLANS, SHEET A-501 AND MEP FOR ADDITIONAL INFORMATION.
8. CEILING STRUCTURE: I BEAMS AND COLUMNS TO BE PAINTED W8, REFER TO A-830
9. CEILING EXPOSED STRUCTURE TO BE PAINTED P8
10. ALUMINUM BRAKE METAL. — 2/A-402 TYP
11. SOFFIT "V" JOINT.
12. 2" WIDE SOFFIT VENT, LENGTH AS INDICATED. — AD-1
13. NEW ACT2 CEILING TILES IN EXISTING GRID.
14. LINTEL TO BE AT 10'-0" AFF OR AS HIGH AS POSSIBLE IF 10'-0" IS NOT ACHIEVABLE. PAINT TO MATCH WALLS. — AD-3

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY TA DBu
DRAWN BY PD
CHECKED BY DBI DBu

MICHAEL L. ROSSILLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "G" FIRST FLOOR REFLECTED CEILING PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET G
SHEET A-907

Friday, 4/23/2021 - 8:21 AM - LAST SAVED BY:DBURNS
Y:\20-144 HANOVER CSC - HIGH SCHOOL ADDITION AND RENOVATIONS\05 ARCH\A-907.DWG

SHEET NOTES

1. REMOVE EXISTING SUPPLY AIR DIFFUSER AND ASSOCIATED SUPPLY AIR DUCTWORK COMPLETE AS REQUIRED.
2. REMOVE EXISTING SUPPLY AIR DUCTWORK COMPLETE AS REQUIRED.
3. REMOVE EXISTING THERMOSTAT AND ASSOCIATED CONTROL WIRING COMPLETE AS REQUIRED.
4. REMOVE EXISTING HOT WATER SUPPLY & RETURN PIPING AND ASSOCIATED VALVES, ETC. COMPLETE AS REQUIRED.
5. REMOVE EXISTING VARIABLE AIR VOLUME BOX AND ASSOCIATED DUCTWORK, HOT WATER PIPING, THERMOSTAT, CONTROLS, ETC COMPLETE AS REQUIRED
6. REMOVE EXISTING CHILLED WATER SUPPLY & RETURN PIPING AND ASSOCIATED VALVES, ETC. COMPLETE AS REQUIRED
7. REMOVE EXISTING AIR HANDLING UNIT AND ASSOCIATED SUPPLY AND RETURN AIR DUCTWORK, HOT AND CHILLED WATER PIPING, CONDENSATE PIPING, THERMOSTAT, CONTROL WIRING, ELECTRICAL CONNECTIONS, ETC COMPLETE AS REQUIRED.
8. REMOVE EXISTING EXHAUST AIR DUCTWORK COMPLETE AS REQUIRED.

AD-3

REMOVE EX S/A DUCTWORK (2)
REMOVE EX S/A DIFFUSER (1)
REMOVE EX AH (7)
REMOVE EX HU54R (4)
REMOVE EX AH (7)
REMOVE EX HU54R AND CHU54R (4) (6)
REMOVE EX T-STAT (3)
REMOVE EX HU54R AND CHU54R (4) (6)
REMOVE EX AH (7)
REMOVE EX S/A DUCTWORK (2)
REMOVE EX S/A DUCTWORK (2)
REMOVE EX EXH DUCTWORK (8)
REMOVE EX EXH DUCTWORK (8)
EX 16"ø EXH DUCT TO REMAIN
REMOVE EX EXH DUCTWORK (8)
REMOVE EX T-STAT (3)
REMOVE EX S/A DIFFUSER (1)
REMOVE EX S/A DUCTWORK (2)
REMOVE EX S/A DIFFUSER (1)
REMOVE EX S/A DIFFUSER (1)
REMOVE EX S/A DUCTWORK (2)
REMOVE EX S/A DUCTWORK (2)
REMOVE EX S/A DIFFUSER (1)
REMOVE EX VAV BOX (5)
REMOVE EX T-STAT (3)
REMOVE EX T-STAT (3)
REMOVE EX VAV BOX (5)
REMOVE EX HU54R (4)
REMOVE EX HU54R (4)
REMOVE EX VAV BOX (5)
REMOVE EX S/A DUCTWORK (2)
REMOVE EX VAV BOX (5)
REMOVE EX S/A DUCTWORK (2)
REMOVE EX VAV BOX (5)
REMOVE EX S/A DIFFUSER (1)
REMOVE EX VAV BOX (5)
REMOVE EX S/A DUCTWORK (2)
REMOVE EX S/A DIFFUSER (1)
REMOVE EX S/A DUCTWORK (2)
REMOVE EX S/A DIFFUSER (1)
REMOVE EX S/A DIFFUSER (1)
EX 5Ø/42 R/A
EX 35"ø S/A (EX AHU-E2)
EX 35"ø S/A (EX AHU-E3)
EX 35"ø S/A
EX 10"ø S/A (EX AHU-E3)
EX 12"ø S/A (EX AHU-E3)
EX 14"ø S/A (EX AHU-E3)
EX HU54R
EX CHU54R
EX HUR
EX HUS
DN

UNIT "E" MECHANICAL FIRST FLOOR DEMOLITION PLAN

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

NORTH

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES
ENGINEERING GROUP
(219) 924-5400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

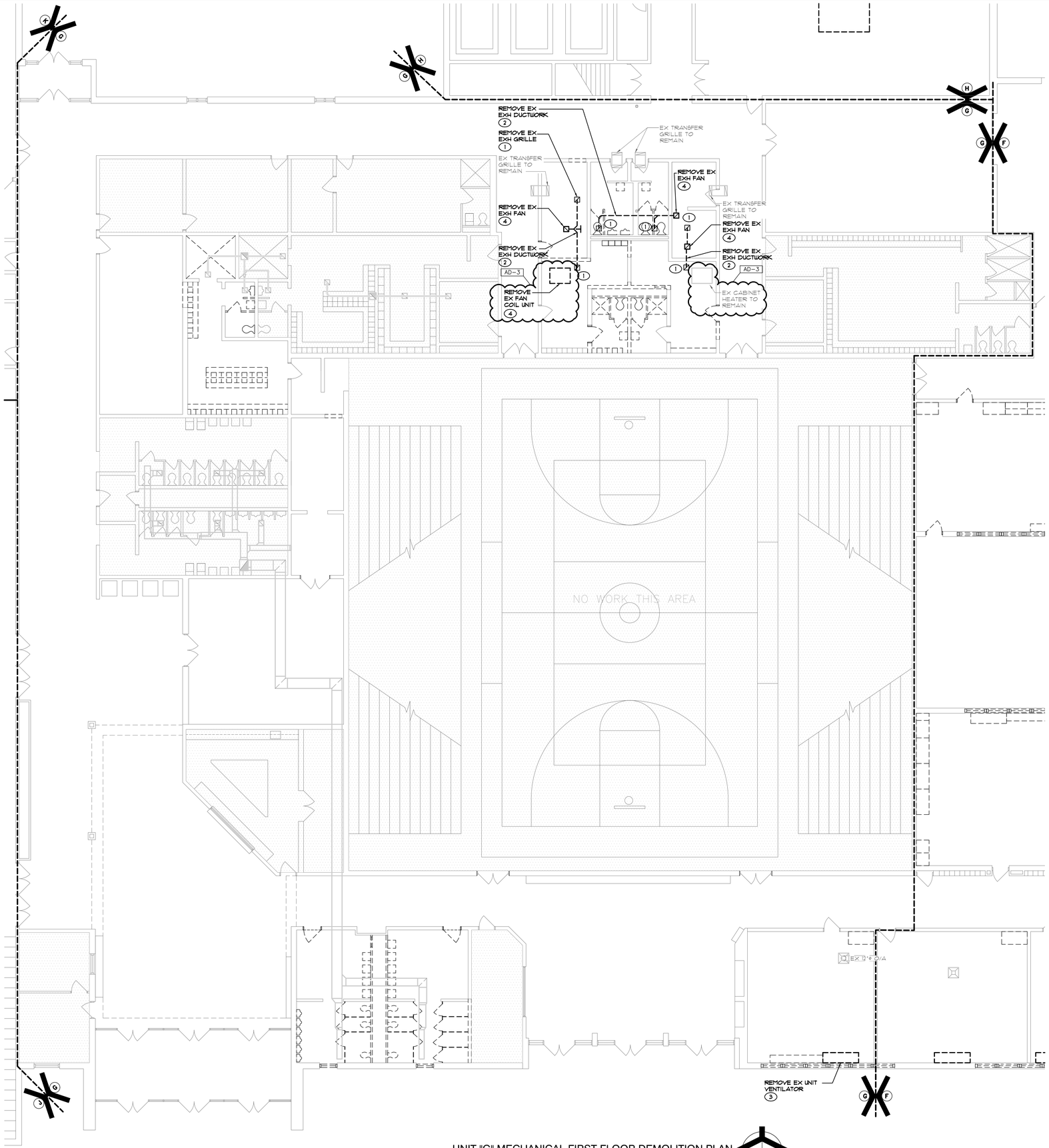
DRAWING
UNIT "E" MECHANICAL FIRST FLOOR DEMOLITION PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
E
MD105

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



SHEET NOTES

1. REMOVE EXISTING EXHAUST GRILLE AND ASSOCIATED EXHAUST DUCTWORK COMPLETE AS REQUIRED.
2. REMOVE EXISTING EXHAUST DUCTWORK COMPLETE AS REQUIRED.
3. REMOVE EXISTING UNIT VENTILATOR AND ASSOCIATED HOT WATER SUPPLY AND RETURN PIPING, OUTSIDE AIR INTAKE LOUVER, THERMOSTAT, CONTROLS, ELECTRICAL CONNECTIONS, ETC COMPLETE AS REQUIRED. CAP HOT WATER SUPPLY AND RETURN PIPING BELOW FLOOR TO TUNNEL.

AD-3

4. REMOVE EXISTING FAN COIL UNIT AND ASSOCIATED PIPING, THERMOSTAT, CONTROLS, ELECTRICAL CONNECTIONS, ETC COMPLETE AS REQUIRED.

UNIT "G" MECHANICAL FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

NORTH

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(219) 924-5400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

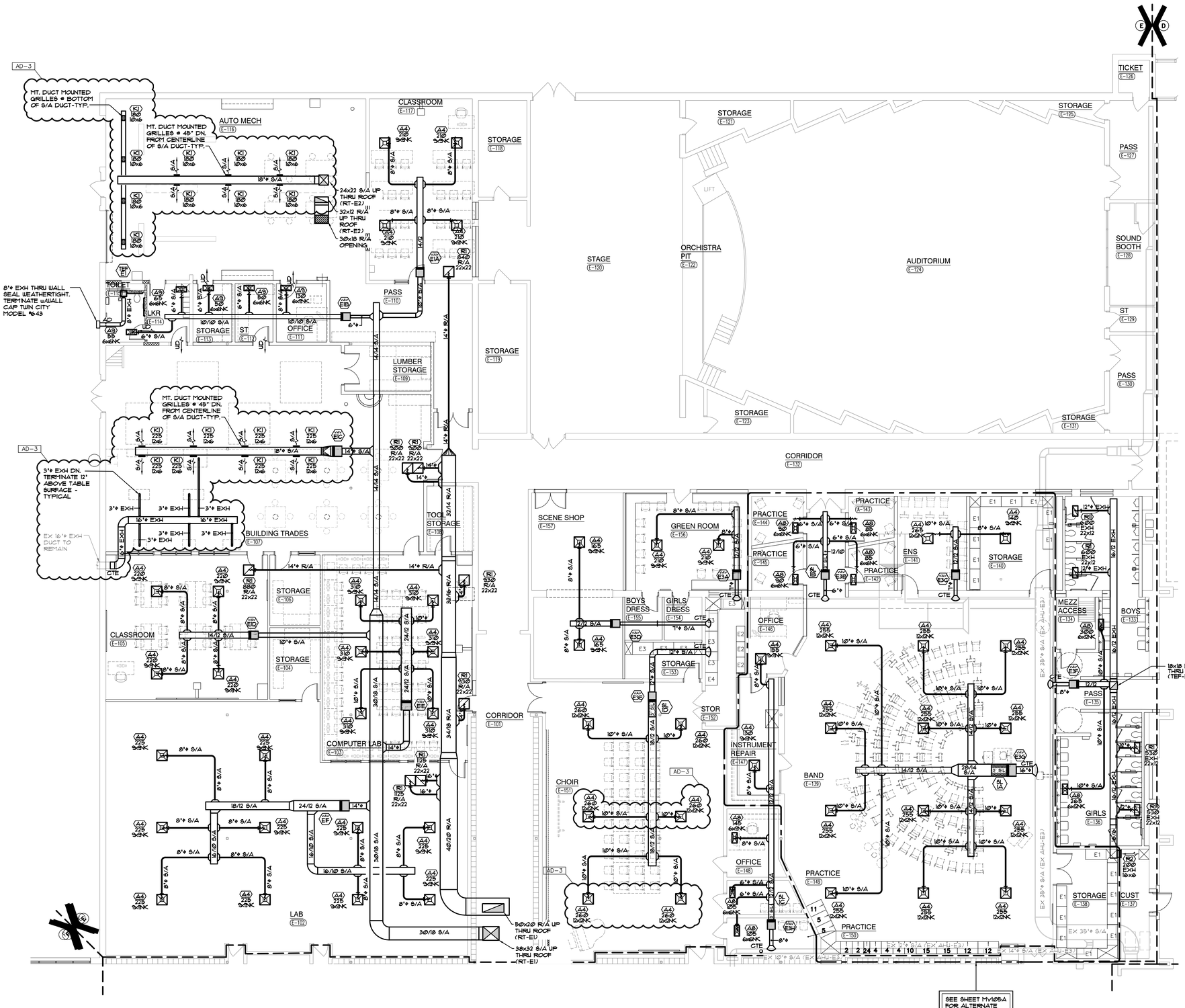
DRAWING
UNIT "G" MECHANICAL FIRST FLOOR DEMOLITION PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
G
MD107

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



UNIT "E" MECHANICAL VENTILATION FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "E" MECHANICAL VENTILATION FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

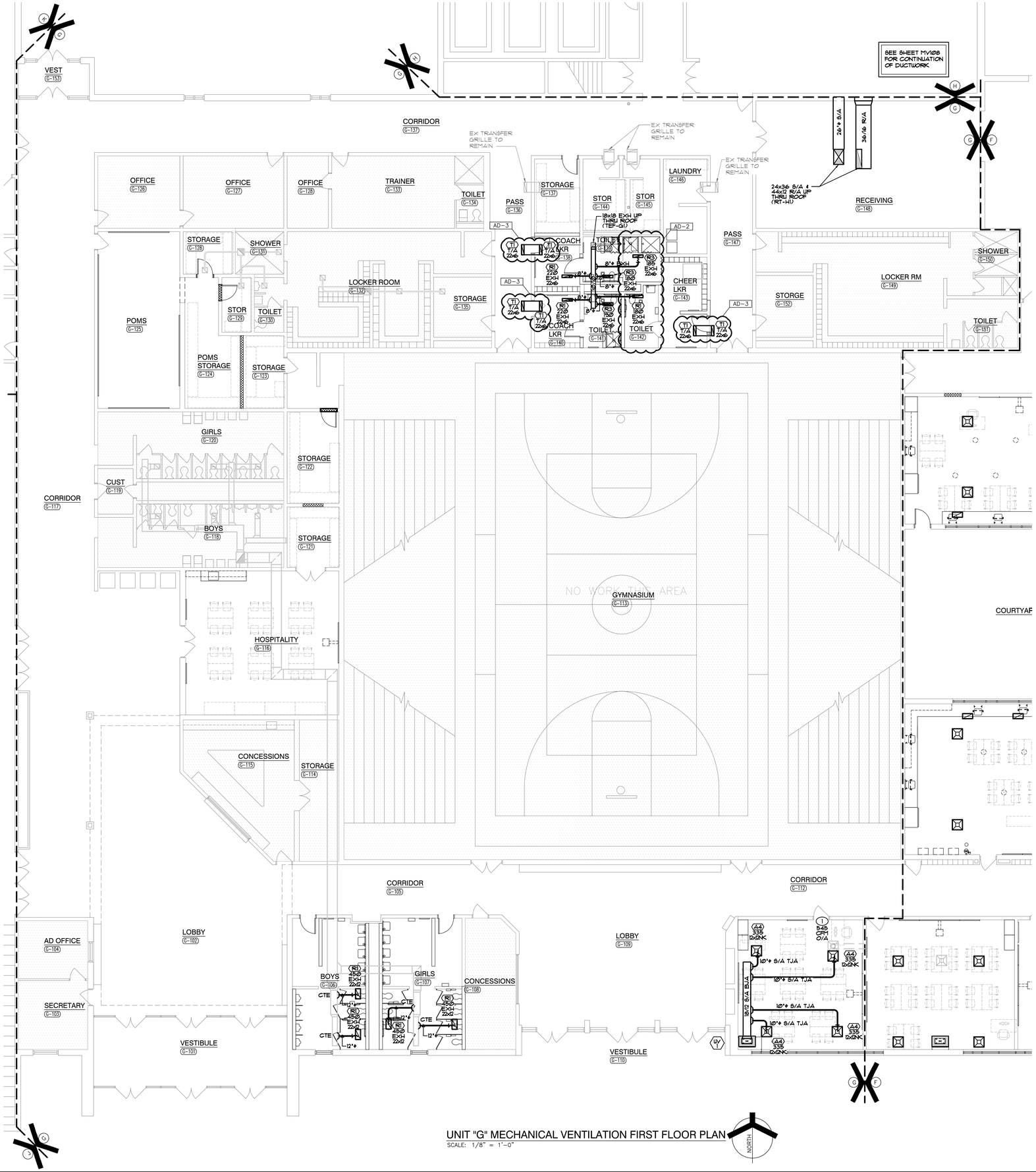
© GIBRALTAR DESIGN

SHEET
E MV105

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

SHEET NOTES

1. EXISTING OUTSIDE AIR DIFFUSER TO REMAIN. BALANCE EXISTING OUTSIDE AIR DIFFUSER TO AIRFLOW QUANTITY INDICATED ON PLAN.



UNIT "G" MECHANICAL VENTILATION FIRST FLOOR PLAN

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

NORTH

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES
ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "G" MECHANICAL VENTILATION FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
G MV107

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

PLUMBING EQUIPMENT AND FIXTURE SCHEDULE

	TAG NO.	FIXTURE/EQUIPMENT TYPE	FIXTURE/EQUIPMENT DESCRIPTION	FIXTURE/EQUIPMENT MANUFACTURER AND MODEL NO.	ACCEPTABLE MANUF.	FIXTURE VALVE/FAUCET TYPE	FIXTURE VALVE/FAUCET TYPE	ACCEPTABLE MANUF.	ACCESSORIES/REMARKS (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)	ELECTRICAL DATA								STARTER BY:	
										HP	MCA	FLA	AMPS	MOCP	VOLT	PH	HZ	PC.	EC.
	WC-1	WATER CLOSET	VITREOUS CHINA, WALL MOUNTED	ZURN Z5615-BWL-AM	NOTE #1	BATTERY SENSOR FLUSH VALVE	ZER6000-CP	NOTE #1	ZURN Z995556-EL SEAT	-	-	-	-	-	-	-	-	-	-
	WC-2	WATER CLOSET	VITREOUS CHINA, WALL MOUNTED ADA	ZURN Z5615-BWL-AM	NOTE #1	BATTERY SENSOR FLUSH VALVE	ZER6000-CP	NOTE #1	ZURN Z995556-EL SEAT	-	-	-	-	-	-	-	-	-	-
	UR-1	URINAL	VITREOUS CHINA, WALL MOUNTED, ADA	ZURN Z5755-U	NOTE #1	BATTERY SENSOR FLUSH VALVE	ZURN ZER6003AV-CPM	NOTE #1	-	-	-	-	-	-	-	-	-	-	-
	L-1	LAVATORY	VITREOUS CHINA, WALL MOUNTED, 20"x18" ADA	ZURN Z5344	NOTE #1	0.5 GPM-BATTERY SENSOR,4" CENTERS	ZURN Z6915-XL	NOTE #2	PROVIDED WITH THERMOSTATIC MIXING VALVE. MCGUIRE #LW-2150-WC 1-1/2" PROWRAP, MCGUIRE #2167CCLK SUPPLIES	-	-	-	-	-	-	-	-	-	-
	S-1	SINK	1-COMPARTMENT STAINLESS STEEL SINK, 22"x19-1/2"x5"	ELKAY LRAD 221950	NOTE #3	SINGLE HANDLE, HIGH GOOSENECK	CHICAGO FAUCETS 350-E35-317XKABCP	NOTE #2	ELKAY #35 STRAINER, MCGUIRE #B-8912-C8DF P-TRAP, MCGUIRE #2167CCLK SUPPLIES	-	-	-	-	-	-	-	-	-	-
	S-2	SINK	1-COMPARTMENT STAINLESS STEEL SINK, 25"x21-1/4"x6-9/19"	ELKAY D12521	NOTE #3	SINGLE HANDLE, HIGH GOOSENECK	CHICAGO FAUCETS 350-E35-317XKABCP	NOTE #2	ELKAY #35 STRAINER, MCGUIRE #B-8912-C8DF P-TRAP, MCGUIRE #2167CCLK SUPPLIES	-	-	-	-	-	-	-	-	-	-
AD-3	S-3	SINK	WALL MOUNTED STAINLESS STEEL SINK, 25"x18-1/2"x12"	ELKAY ES6252Ø2	NOTE #3	WALL MOUNTED, GOOSENECK, 8" CENTERS	CHICAGO FAUCET CO. W8W-GN2AE35-317AB	NOTE #2	ELKAY #35 STRAINER, MCGUIRE #B-8912-C8DF P-TRAP, MCGUIRE #2167CCLK SUPPLIES, JOSAM #61Ø3Ø SOLIDS INTERCEPTOR	-	-	-	-	-	-	-	-	-	-
	S-4	SINK	1-COMPARTMENT INTEGRAL COUNTERTOP SINK	-	NOTE #1	-	-	NOTE #8	ELKAY #35 STRAINER, MCGUIRE #B-8912-C8DF P-TRAP, MCGUIRE #2167CCLK SUPPLIES	-	-	-	-	-	-	-	-	-	-
	S-5	SINK	1-COMPARTMENT INTEGRAL COUNTERTOP SINK	-	NOTE #1	-	-	NOTE #8	ELKAY #35 STRAINER, MCGUIRE #B-8912-C8DF P-TRAP, MCGUIRE #2167CCLK SUPPLIES	-	-	-	-	-	-	-	-	-	-
	S-6	SINK	1-COMPARTMENT STAINLESS STEEL SINK, 23-1/2"x18-1/4"x4-7/8"	ELKAY ELUHAD 211550	NOTE #3	SINGLE HANDLE, HIGH GOOSENECK	CHICAGO FAUCETS 350-E35-317XKABCP	NOTE #2	ELKAY #35 STRAINER, MCGUIRE #B-8912-C8DF P-TRAP, MCGUIRE #2167CCLK SUPPLIES	-	-	-	-	-	-	-	-	-	-
AD-2	S-7	SINK	1-COMPARTMENT STAINLESS STEEL SINK, 18-1/2"x18-1/2"x4-7/8"	ELKAY ELUHAD 161650	NOTE #3	SINGLE HANDLE, HIGH GOOSENECK	CHICAGO FAUCETS 350-E35-317XKABCP	NOTE #2	ELKAY #35 STRAINER, MCGUIRE #B-8912-C8DF P-TRAP, MCGUIRE #2167CCLK SUPPLIES	-	-	-	-	-	-	-	-	-	-
	S-8	STAINLESS STEEL SINK	TUBA WASHING STATION	ELKAY HD5B332294	-	-	ELKAY LK6000	NOTE 1	ELKAY #35 STRAINER, MCGUIRE #B-8912-C8DF P-TRAP, MCGUIRE #2167CCLK SUPPLIES	-	-	-	-	-	-	-	-		
	WF-1	WASH FOUNTAIN	54" STAINLESS STEEL WASH FOUNTAIN	BRADLEY WF7154-B-STD-F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EMEW-1	EM. EYE WASH	EMERGENCY EYE WASH WITH DUST COVER	BRADLEY S19224DCRPT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SH-1	SHOWER	ADA SHOWER 36"x36"x75"	AQUATIC 1363BFRF	-	ADA SHOWER KIT WITH MIXING VALVE	ZURN Z7301-BB-MT-DV-2P-HW-HS-B9	NOTE #4	AQUATIC L-SHAPED FOLD UP SEAT, AQUATIC L-SHAPPED GRAB BAR	-	-	-	-	-	-	-	-	-	-
	SH-2	SHOWER	SHOWER 36"x36"x75"	AQUATIC 1363BFRF	-	SHOWERHEAD, MIXING VALVE	ZURN Z7301-BB-MT-B9	NOTE #4	-	-	-	-	-	-	-	-	-	-	-
	TD-1	TRENCH DRAIN	PRESLOPED HIGH DENSITY POLYPROPYLENE TRENCH DRAIN	ZURN Z886-8WG-B	-	-	-	-	PROVIDE STAINLESS STEEL GRATE WITH VANDAL-PROOF LOCKDOWN	-	-	-	-	-	-	-	-	-	-
AD-3	FD-1	FLOOR DRAIN	CAST IRON BODY, ADJUSTABLE 6"x6" NICKEL BRONZE TOP	WADE #1Ø2Ø-G6	-	-	-	-	VANDALPROOF SCREW, PLUGGED TRAP PRIMER	-	-	-	-	-	-	-	-	-	-
	SC-1	SILLCOCK	NON-FREEZE, VACUUM BREAKER, REMOVABLE KEY	WADE #6ØØ	NOTE #6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HB-1	HOSEBIBB	VACUUM BREAKER, 3/4" HOSE THREAD	CHICAGO FAUCET CO. #952	NOTE #6	-	-	-	-	-	-	-	-	-	-	-	-		
	IM-1	PLUMBERS BOX	FOR ICE MAKER	GUY GRAY #BIM875AB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AD-3	PB-1	PLUMBERS BOX	FOR CLOTHES WASHER	GUY GRAY #B2ØØT5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TW-1	TEMPERED WATER VALVE	TEMPERED WATER VALVE	BRADLEY 853-4ØØØA TMV	NOTE #5	-	-	-	VALVE RATED AT 2 GPM @ 5 PSI PRESSURE DROP (MIN. FLOW Ø.5 GPM)	-	-	-	-	-	-	-	-	-	-
	TW-2	TEMPERED WATER VALVE	EMERGENCY FIXTURE TEMPERED WATER VALVE	BRADLEY 813-2ØØØ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE #1: AMERICAN STANDARD, KOHLER, ZURN, SLOAN, TOTO
NOTE #2: ZURN, DELTA, SLOAN, CHICAGO FAUCET CO., AMERICAN STANDARD, KOHLER
NOTE # 3: ELKAY, JUST, KOHLER
NOTE #4: ZURN, DELTA
NOTE #5: LEONARD, POWERS, LAWLER

NOTE #6: JOSAM, ZURN, J.R. SMITH, WOODFORD
NOTE #7: SINKS TO BE PROVIDED BY CASEWORK MANUFACTURER. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION
NOTE #8: REFRENCE ARCHITECTURAL DRAWINGS AND SCIENCE CASEWORK ELEVATIONS AND SCHEDULE

AD-3

GENERAL NOTES

GENERAL

A. WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, AND STATE PLUMBING 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 MANAGER'S SCOPE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR 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.

GENERAL COORDINATION

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 72 HOURS IN ADVANCE PRIOR TO ANY SHUTDOWN OF EXISTING PLUMBING SYSTEMS.

H. VERIFY LOCATION AND ELEVATION OF PLUMBING EQUIPMENT, FIXTURES, PIPING, PANELS, ETC. EXPOSED WITHIN OCCUPIED SPACES BEFORE THE START OF ANY ROUGH-IN OR INSTALLATION.

TRADE COORDINATION

I. COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) BEFORE ORDERING ANY EQUIPMENT.

J. COORDINATE VENT THROUGH ROOF LOCATIONS WITH OUTDOOR AIR INTAKE LOCATIONS TO MAINTAIN A MINIMUM SEPARATION OF TEN FEET.

WORK IN EXISTING CONDITIONS

K. 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.

L. 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.

M. 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.

N. 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.

O. 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.

P. NO FIXTURES, EQUIPMENT, PIPING, SUPPORTS, HANGERS, ETC, IS TO BE LEFT ABANDONED. VERIFY QUANTITY, LOCATION AND ELEVATION OF EXISTING TO BE REMOVED IN FIELD.

Q. EXISTING EQUIPMENT SHALL REMAIN PROPERTY OF THE OWNER AND OWNER SHALL DETERMINE IF CONTRACTOR IS TO STORE EQUIPMENT ON SITE AT OWNER SELECTED LOCATION OR IF CONTRACTOR IS TO ABANDON OR REMOVE EQUIPMENT FROM SITE.

R. 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.

S. 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.

T. 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.

U. REMOVE EXISTING CEILINGS REQUIRED FOR INSTALLATION OF NEW WORK. REINSTALL CEILING UPON COMPLETION OF WORK. REPLACE DAMAGED CEILING MATERIALS TO MATCH EXISTING.

V. PROVIDE CUTTING, CORE DRILLING AND PATCHING OF EXISTING FLOOR, WALL AND ROOF CONSTRUCTIONS REQUIRED FOR THE INSTALLATION OF NEW PIPING. SEAL PENETRATIONS THROUGH FLOOR, WALL AND ROOF STRUCTURE WATERTIGHT AND WITH AN APPROVED FIRE STOPPING MATERIAL, INCLUDING APPROVED FIRE RATED SLEEVE.

W. WORK ON THE ROOF SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE EXISTING ROOFING MANUFACTURER'S RECOMMENDATIONS. ROOF WORK SHALL BE PERFORMED BY CERTIFIED INSTALLERS AS TO MAINTAIN THE EXISTING ROOF WARRANTY. PRIOR TO THE START OF ANY WORK ON THE ROOF, THE EXISTING ROOF SHALL BE INSPECTED AND CERTIFIED BY THE EXISTING ROOFING MANUFACTURER. ANY DEFICIENCIES WHICH OCCUR BETWEEN THE INITIAL AND FINAL INSPECTIONS SHALL BE CORRECTED AT NO COST TO THE OWNER. CORRECTIVE MEASURES SHALL BE PERFORMED BY CERTIFIED INSTALLERS TO MAINTAIN THE EXISTING ROOF WARRANTY.

X. PROVIDE CUTTING, TRENCHING AND PATCHING OF EXISTING FLOOR SLAB REQUIRED FOR THE INSTALLATION OF NEW UNDERGROUND PIPING.

Y. CUT OR CHANNEL INTO EXISTING WALL CONSTRUCTIONS AS REQUIRED FOR INSTALLATION OF NEW PIPING WITHIN EXISTING WALLS. PATCH WALL SURFACES AND FINISH AS REQUIRED TO MATCH EXISTING CONDITIONS.

Z. PROVIDE ROUGH-IN AND FINAL CONNECTIONS TO PLUMBING EQUIPMENT AND FIXTURES. SET FIXTURES/EQUIPMENT AND FURNISH AND INSTALL NECESSARY FITTINGS, TRAPS, STOPS, ETC. AS REQUIRED.

AA. PLUMBING PIPING ROUTING TO BE FIELD COORDINATED WITH NEW AND EXISTING HVAC DUCTWORK, HVAC PIPING, FIRE PROTECTION PIPING, ELECTRICAL AND STRUCTURE TO ENSURE NO CONFLICTS WILL OCCUR DUE TO INTERFERENCE.

BB. PIPING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

CC. ISOLATION VALVES SHALL BE INSTALLED OVER ACCESSIBLE CEILINGS. WHEN ISOLATION VALVES ARE INSTALLED OVER INACCESSIBLE CEILING AREAS, IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO FURNISH AND INSTALL 12" X 12" (MINIMUM) CEILING ACCESS DOORS. TYPE TO BE VANDALPROOF, TAMPERPROOF ASSEMBLIES. INSTALLATION TO BE COORDINATED WITH GENERAL CONTRACTOR.

DD. INVERT ELEVATIONS SHALL BE FIELD COORDINATED WITH FINAL GRADING PLANS TO ENSURE PROPER INSTALLATION.

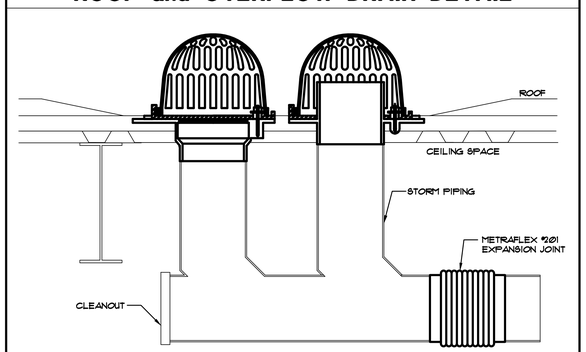
EE. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR FINAL MOUNTING HEIGHTS OF PLUMBING FIXTURES.

FF. PROTECT NEW AND EXISTING DRAIN OPENINGS AND SANITARY LINES DURING CONSTRUCTION TO PREVENT BLOCKAGE. ROD-OUT EXISTING SANITARY PIPING, PIPING SHALL BE FREE OF BLOCKAGE.

GG. REPAIR AND/OR REPLACE DAMAGED PIPE INSULATION THAT OCCURS AS THE RESULT OF THIS CONSTRUCTION.

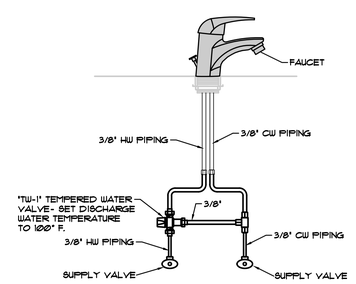
HH. VIDEOTAPE EXISTING SANITARY MAIN TO CONFIRM EXISTING BRANCH SANITARY CONNECTION POINTS, INVERTS AND CONDITION OF PIPING AS REQUIRED TO COMPLETE WORK. PROVIDE REPORT INDICATING CONNECTION POINT LOCATIONS, INVERTS, AND ANY DEFICIENCIES IN EXISTING SANITARY PIPING SYSTEM PRIOR TO STARTING WORK.

ROOF and OVERFLOW DRAIN DETAIL



TEMPERED WATER VALVE DIAGRAM

NTS



SYMBOLS AND ABBREVIATIONS

- EXISTING UNDERGROUND SANITARY PIPING
- ST — EXISTING UNDERGROUND STORM SEWER
- EXISTING COLD WATER PIPING
- EXISTING HOT WATER PIPING
- EXISTING HOT WATER RECIRCULATION PIPING
- G — EXISTING GAS PIPING
- FP — EXISTING FIRE PROTECTION PIPING
- EXISTING PIPING
- EXISTING PIPING TO BE REMOVED OR ABANDONED
- NEW UNDERGROUND SANITARY SEWER
- ST — NEW UNDERGROUND STORM SEWER
- NEW COLD WATER PIPING
- NEW HOT WATER PIPING
- NEW HOT WATER RECIRCULATION PIPING
- G — NEW GAS PIPING
- NEW VENT PIPING
- PIPE DOWN
- PIPE UP
- SHUT-OFF VALVE
- CHECK VALVE
- SHOWER HEAD
- BALANCING COCK/MANUAL FLOW CONTROL VALVE
- HOSE BIBB/SILL COCK
- SHEET NOTE TAG

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AV	ACID VENT
AW	ACID WASTE
CO	CLEANOUT
CTE	CONNECT TO EXISTING
CW	COLD WATER
DN	DOWN
EMEW	EMERGENCY EYEWASH
EWC	ELECTRIC WATER COOLER
EX.	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FIN. FL.	FINISHED FLOOR
FIN. GR.	FINISHED GRADE
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
INV. EL.	INVERT ELEVATION
L	LAVATORY
MB	MOP BASIN
NIC	NOT IN CONTRACT
OFRD	OVERFLOW ROOF DRAIN
RD	ROOF DRAIN
S	SINK
SH	SHOWER
UR	URINAL
V	VENT
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WF	WASHFOUNTAIN
YCO	YARD CLEANOUT

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email Info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/15/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
PLUMBING SCHEDULE, NOTES, SYMBOLS & ABBREVIATIONS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
P-001

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

SHEET NOTES

1. REMOVE ALL EXISTING LAVATORY AND FAUCET AND ALL ASSOCIATED HOT/COLD WATER, SANITARY AND VENT PIPING. COMPLETE AS REQUIRED.
2. REMOVE ALL EXISTING WATER CLOSET AND FLUSH VALVE AND ALL ASSOCIATED COLD WATER, SANITARY AND VENT PIPING. COMPLETE AS REQUIRED.
3. REMOVE EXISTING URINAL AND FLUSH VALVE AND ALL ASSOCIATED COLD WATER, SANITARY AND VENT PIPING COMPLETE AS REQUIRED.
4. REMOVE EXISTING MOP BASIN AND FAUCET AND ALL ASSOCIATED HOT/COLD WATER, SANITARY AND VENT PIPING COMPLETE AS REQUIRED.
5. REMOVE EXISTING TRENCH DRAIN COMPLETE AS REQUIRED. EXISTING SANITARY AND VENT PIPING TO REMAIN FOR THE INSTILLATION OF NEW TRENCH DRAIN.

AD-3

VIDEO TAPE EXISTING SANITARY PIPING IN THIS AREA AND SUBMIT A REPORT REPORT SHOWING EXISTING ROUTING, INVERTS, AND A LIST OF DEFICIENCIES PRIOR TO THE START OF CONSTRUCTION.

MAINTENANCE AXXX
STAGE CRAFT AXXX
STORAGE AXXX
STORAGE AXXX
OFFICE AXXX
STORAGE AXXX
GRAPHIC ARTS AXXX
STORAGE AXXX
STORAGE AXXX
STAGE AXXX
LIFT
AUDITORIUM AXXX
SND/ LIGHT BOOTH AXXX
ELEC AXXX
WOOD SHOP AXXX
INTRO TO ENGINEERING AXXX
BUILDING TRADES CLASSROOM AXXX
SPRAY BOOTH AXXX
STORAGE AXXX
TEAR DOWN LAB AXXX
STUDY HALL AXXX
CRIMINAL JUSTICE AXXX
OFFICE AXXX
GREEN ROOM AXXX
VOCAL STORAGE AXXX
INSTRUMENT STORAGE AXXX
PRACTICE AXXX
BOYS DRESSING AXXX
GIRLS DRESSING AXXX
PRACTICE AXXX
UNIFORM STORAGE AXXX
STORAGE AXXX
JANITOR AXXX
OFFICE AXXX
VOCAL AXXX
OFFICE AXXX
PRACTICE AXXX
PRACTICE AXXX
BAND ROOM AXXX
BOYS AXXX
GIRLS AXXX
GENERAL STORAGE AXXX
UNIFORM STORAGE AXXX
AD-3

REMOVE EX FLOOR CLEANOUT AND EXISTING SANITARY PIPING FOR 20'

EX. 4" VENT UP THRU ROOF TO REMAIN

VIDEO TAPE EXISTING SANITARY PIPING IN THIS AREA AND SUBMIT A REPORT REPORT SHOWING EXISTING ROUTING, INVERTS, AND A LIST OF DEFICIENCIES PRIOR TO THE START OF CONSTRUCTION.

REMOVE EXISTING PIPING MAINS TO LAVS.

REMOVE EXISTING PIPING MAIN IN CHASE TO EXISTING URINALS AND WATER CLOSETS.

REMOVE EXISTING PIPING MAINS TO LAVS.

UNIT "E" PLUMBING DEMOLITION PLAN

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

NORTH

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

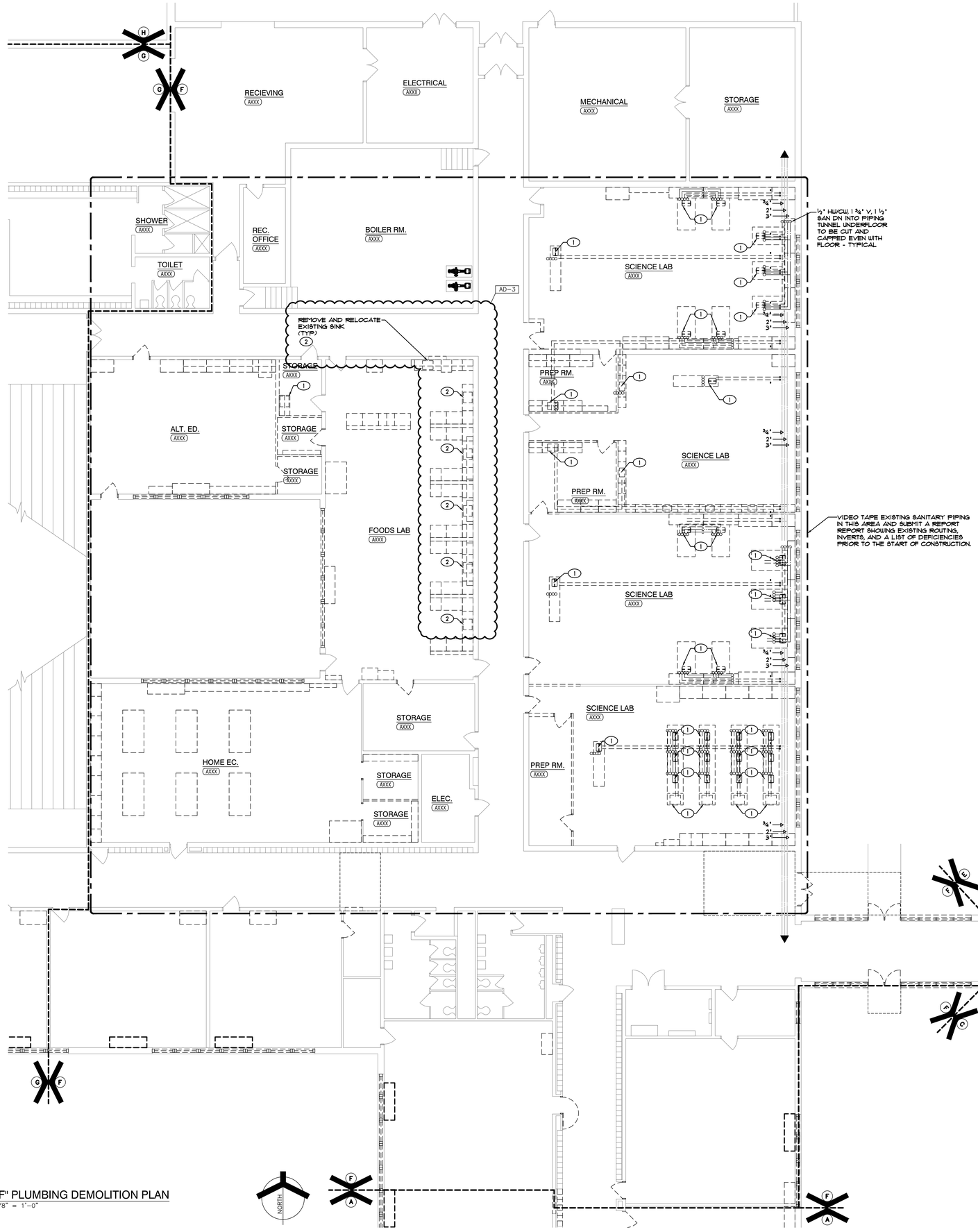
DRAWING
UNIT "E" PLUMBING DEMOLITION PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
E
PD105

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



UNIT "F" PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

SHEET NOTES

1. REMOVE EXISTING SINK AND FAUCET AND ALL ASSOCIATED HOT/COLD WATER, SANITARY AND VENT PIPING. COMPLETE AS REQUIRED.
2. EXISTING SINK AND FAUCET TO BE REMOVED AND RELOCATED. SEE SHEET P-113 FOR NEW LOCATION.

AD-3

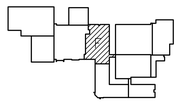
GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES
ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY
REGISTERED
NO. 10302590
STATE OF INDIANA
PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

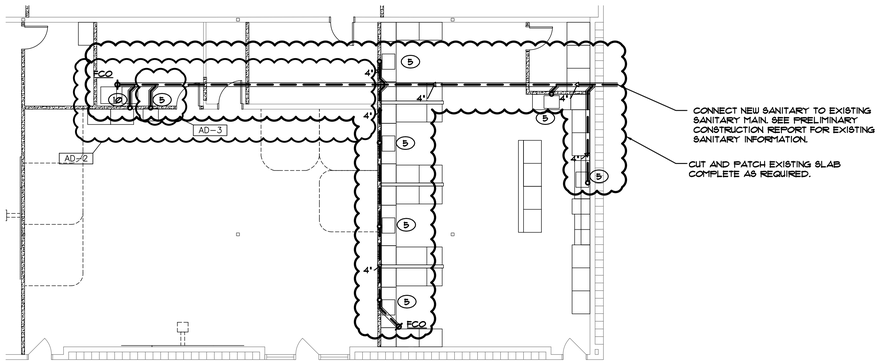
DRAWING
UNIT "F PLUMBING DEMOLITION PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
F
PD106

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

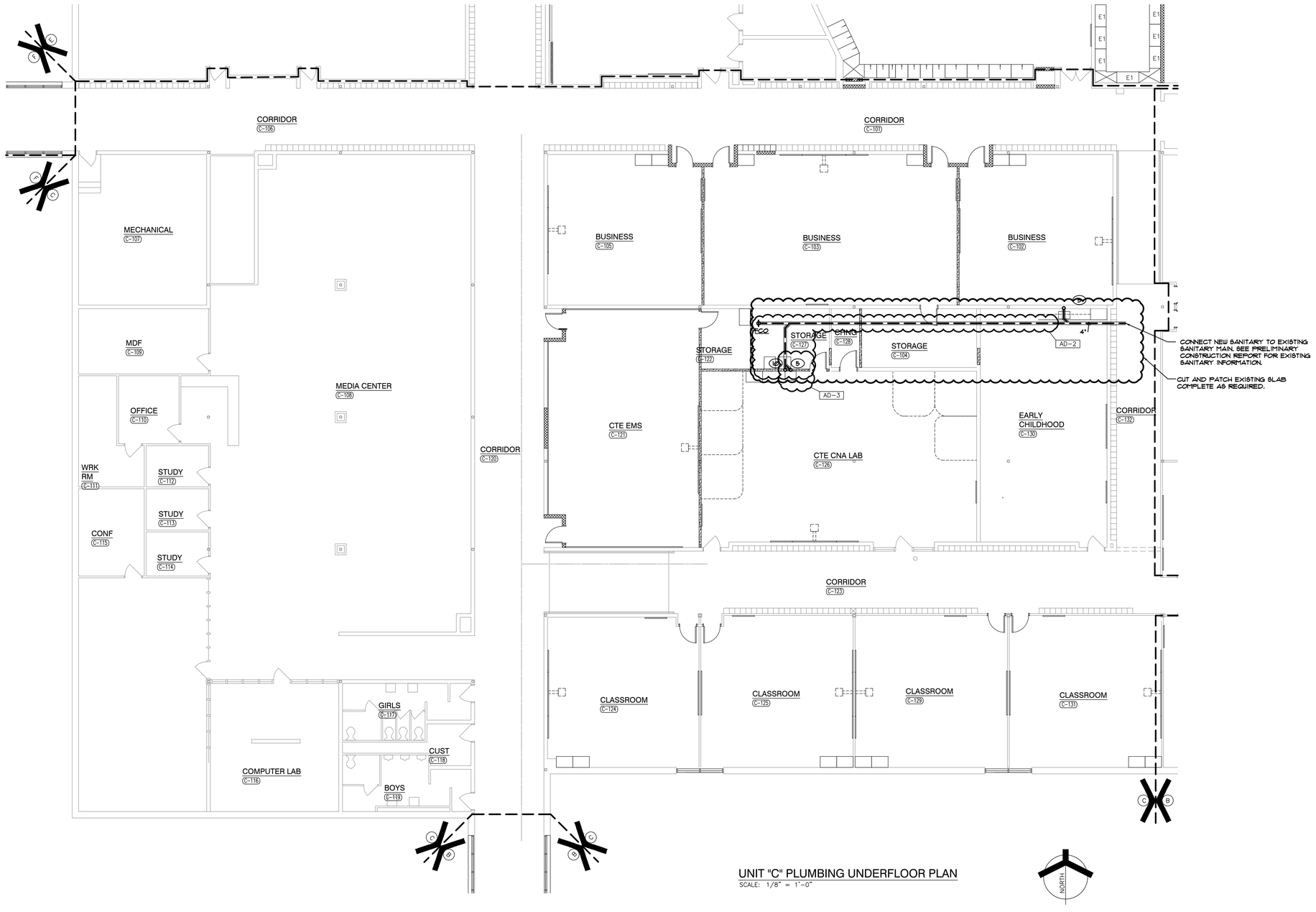


PARTIAL UNIT "C" ALTERNATE
PLUMBING UNDERFLOOR PLAN
SCALE: 1/8" = 1'-0"

SHEET NOTES

1. 4" SANITARY UP TO WATER CLOSET
2. 2" SANITARY UP TO URINAL
3. 1½" SANITARY UP TO LAVATORY
4. 4" SANITARY UP TO FLOOR DRAIN/SINK
5. 2" SANITARY UP TO SINK
6. 2" SANITARY UP TO (2) LAVATORIES
7. 2" VENT UP
8. 4" SANITARY UP TO MOP BASIN
9. 1½" SANITARY UP TO ELECTRIC WATER COOLER
10. 4" SANITARY UP TO PLUMBERS BOX.

AD-2



UNIT "C" PLUMBING UNDERFLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES
ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY
REGISTERED
NO. 10302590
STATE OF INDIANA
PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/15/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

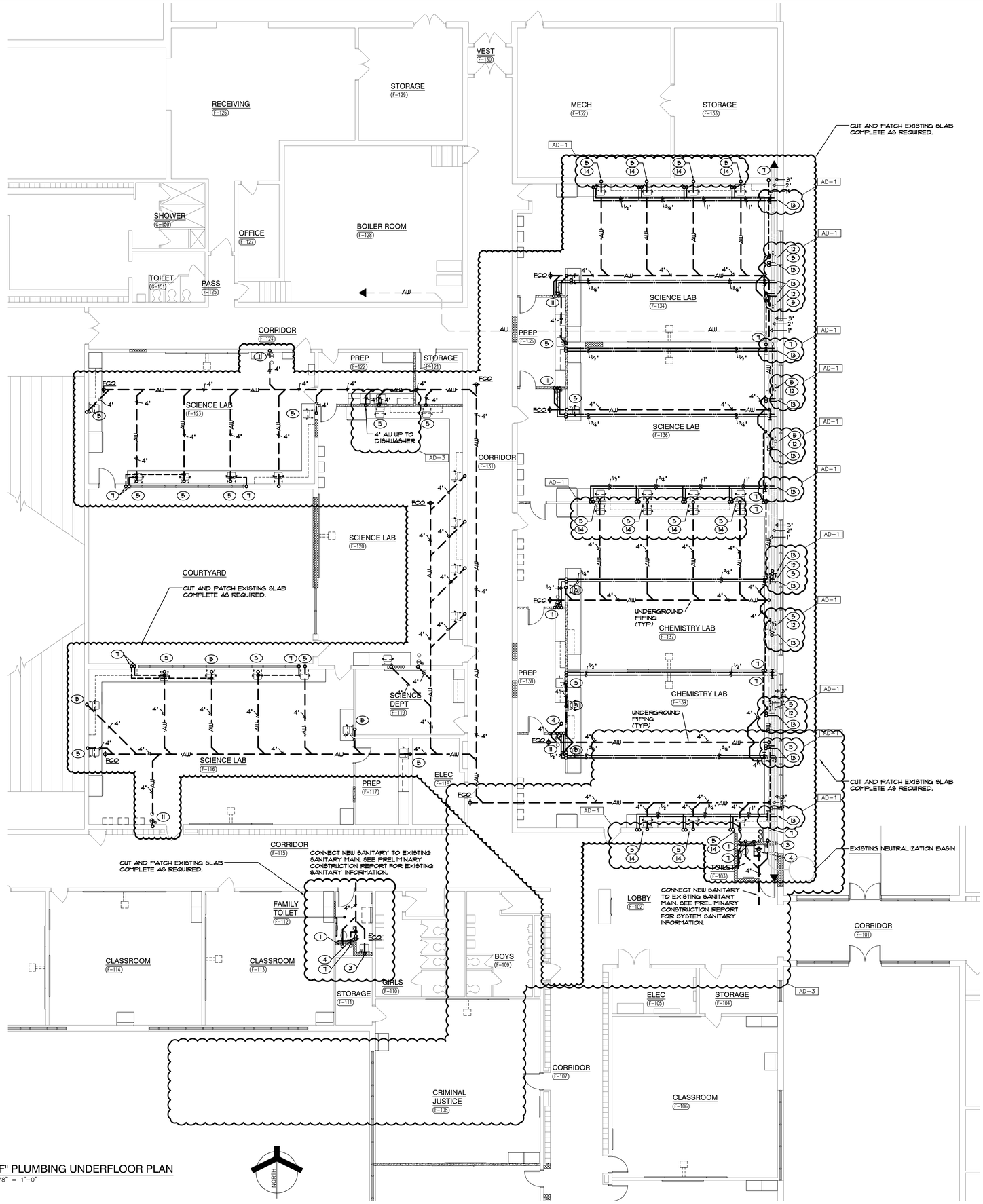
DRAWING
UNIT "C" PLUMBING UNDERFLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
C
P-103

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



SHEET NOTES

1. 4" SANITARY UP TO WATER CLOSET
2. 2" SANITARY UP TO URINAL
3. 1½" SANITARY UP TO LAVATORY
4. 4" SANITARY UP TO FLOOR DRAIN/SINK
5. 2" SANITARY UP TO SINK
6. 2" SANITARY UP TO (2) LAVATORIES
7. 2" VENT UP
8. 4" SANITARY UP TO MOP BASIN
9. 1½" SANITARY UP TO ELECTRIC WATER COOLER
10. 1½" SANITARY UP TO WASH FOUNTAIN
11. 2" SANITARY UP TO EYEWASH
12. ½" CW & ½" HW UP TO SINK
13. CONNECT TO EXISTING PIPING MAINS IN TUNNEL.
14. NEW PIPING ROUTED UP IN EXISTING WALL. CUT AND PATCH EXISTING WALL AS REQUIRED.

UNIT "F" PLUMBING UNDERFLOOR PLAN

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

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENTS ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/23/21	ADDENDUM NO. 3

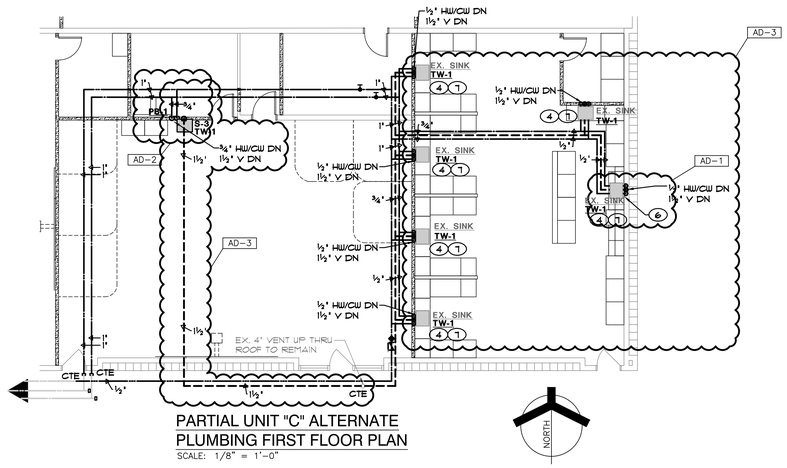
DRAWING
UNIT "F PLUMBING UNDERFLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET F P-106

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



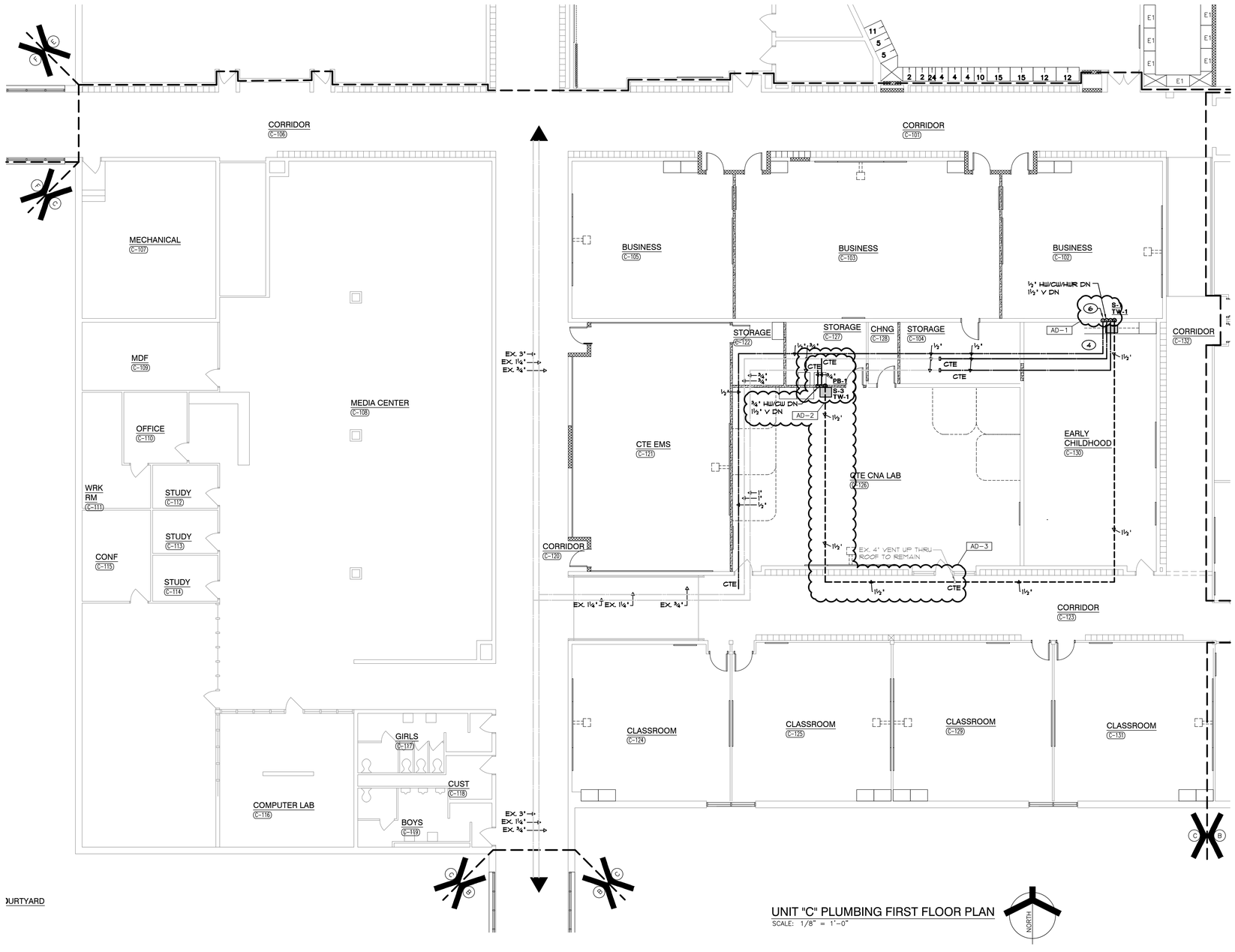
PARTIAL UNIT "C" ALTERNATE
PLUMBING FIRST FLOOR PLAN

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

SHEET NOTES

1	½" HW/CW, 1½" V, 1½" SAN DN FOR LAVATORY
2	1½" CW, 2" V, 4" SAN DN TO WATER CLOSET
3	1" CW, 1½" V, 2" SAN DN TO URINAL
4	½" HW/CW, 1½" V, 2" SAN DN TO SINK
5	½" HW/CW, 2" V, 4" SAN DN TO MOP BASIN
6	NEW PIPING ROUTED UP IN EXISTING WALL. CUT AND PATCH EXISTING WALL AS REQUIRED.
7	NEW LOCATION OF EXISTING SINK. CONNECT EXISTING SINK TO NEW HW, CW, VENT, AND SANITARY PIPING.

AD-1
AD-3



UNIT "C" PLUMBING FIRST FLOOR PLAN

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

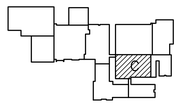
GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(317) 924-8400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-2	04/15/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "C" PLUMBING FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

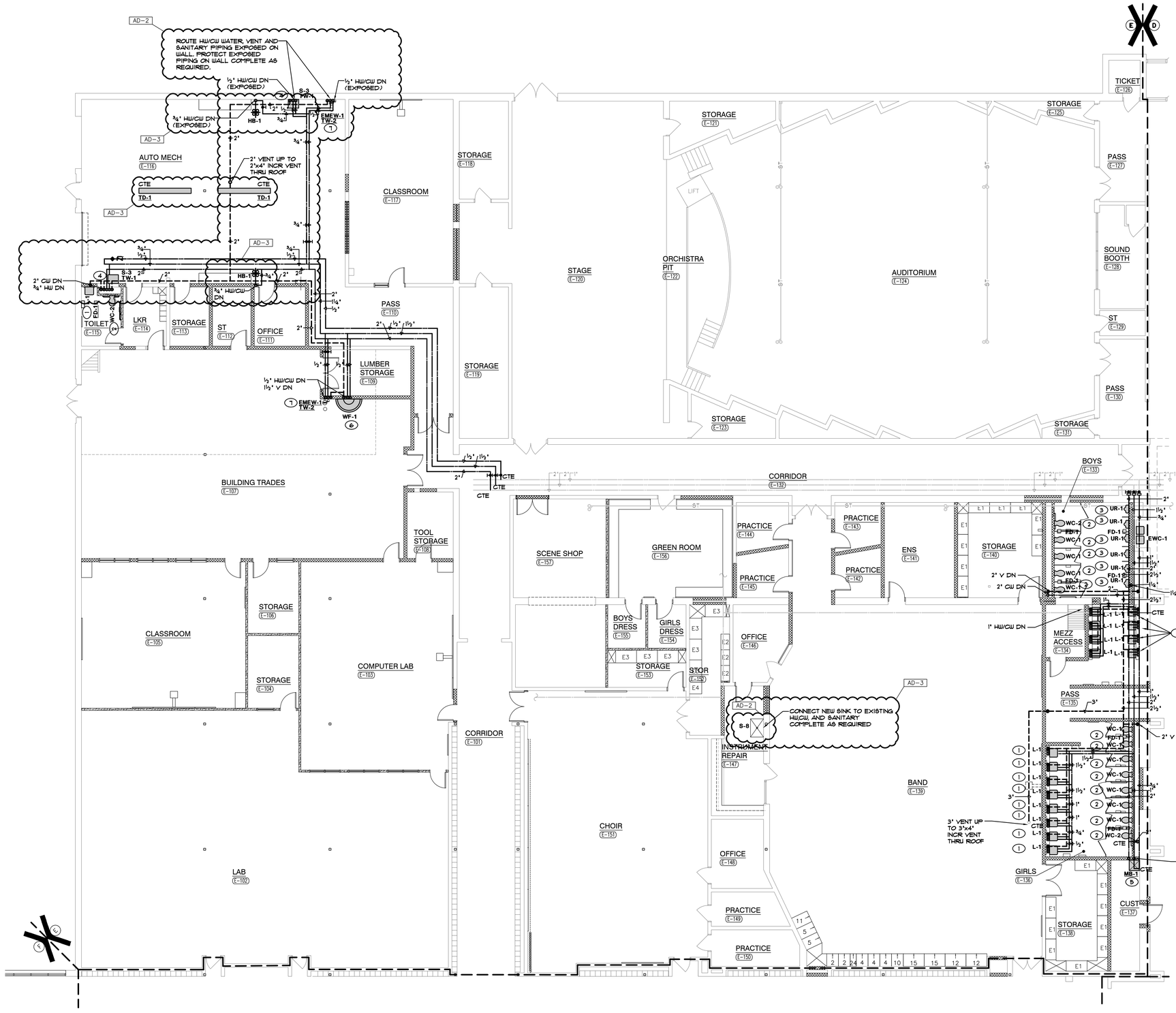
© GIBRALTAR DESIGN

SHEET C P-113

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

SHEET NOTES

1. ½" HW/CW, 1½" V, 1½" SAN DN FOR LAVATORY
2. 1½" CW, 2" V, 4" SAN DN TO WATER CLOSET
3. 1" CW, 1½" V, 2" SAN DN TO URINAL
4. ½" HW/CW, 1½" V, 2" SAN DN TO SINK
5. ½" HW/CW, 2" V, 4" SAN DN TO MOP BASIN
6. ½" HW/CW, 1½" V, 1½" SAN DN FOR WASH FOUNTAIN
7. ½" HW/CW, 1½" V, 1½" SAN DN FOR EYEWASH



UNIT "E" PLUMBING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES
ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email Info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/15/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

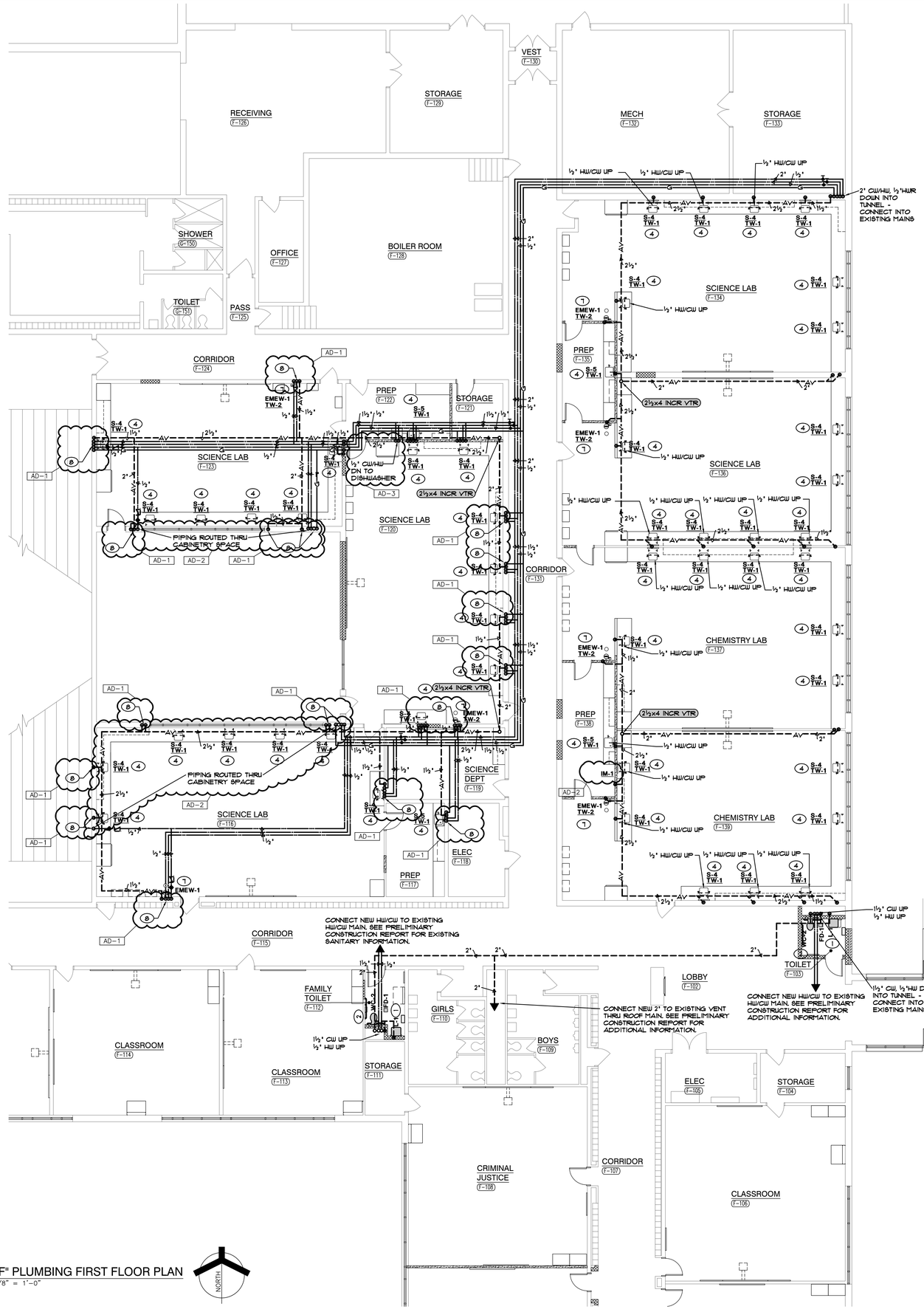
DRAWING
UNIT "E" PLUMBING FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET E P-115

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



SHEET NOTES

1. ½" HW/CW, 1½" V, 1½" SAN DN FOR LAVATORY
2. 1½" CW, 2" V, 4" SAN DN TO WATER CLOSET
3. 1" CW, 1½" V, 2" SAN DN TO URINAL
4. ½" HW/CW, 1½" V, 2" SAN DN TO SINK
5. ½" HW/CW, 2" V, 4" SAN DN TO MOP BASIN
6. ½" HW/CW, 1½" V, 1½" SAN DN FOR WASHFOUNTAIN
7. ½" HW/CW, 1½" V, 1½" SAN DN FOR EYEWASH
8. NEW PIPING ROUTED UP IN EXISTING WALL. CUT AND PATCH EXISTING WALL AS REQUIRED.

AD-1

UNIT "F" PLUMBING FIRST FLOOR PLAN

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

NORTH

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email Info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-2	04/15/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "F PLUMBING FIRST FLOOR PLAN

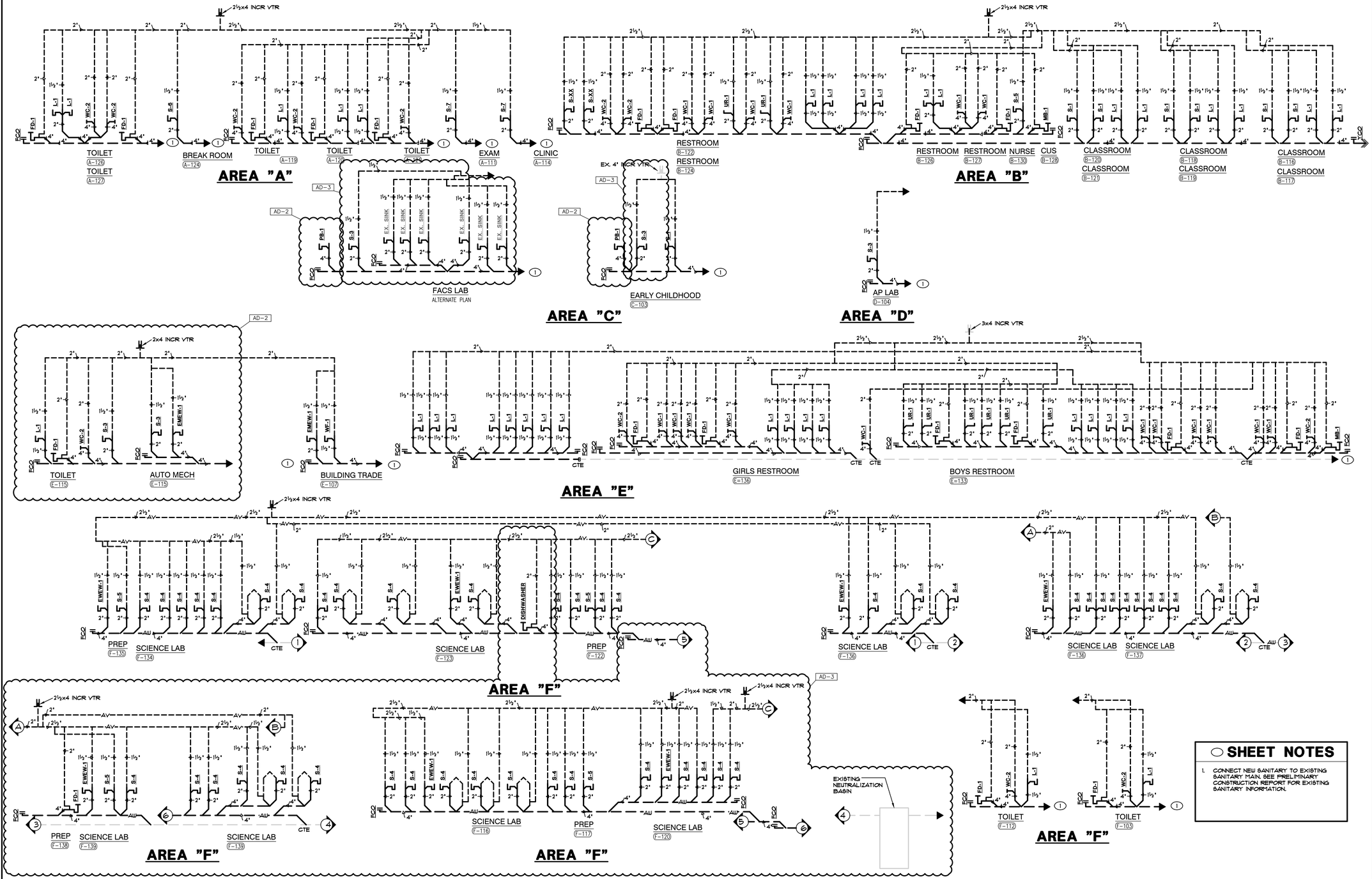
PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
F
P-116

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

SANITARY AND VENT RISER DIAGRAMS



SHEET NOTES

1. CONNECT NEW SANITARY TO EXISTING SANITARY MAIN. SEE PRELIMINARY CONSTRUCTION REPORT FOR EXISTING SANITARY INFORMATION.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
PLUMBING RISER DIAGRAMS

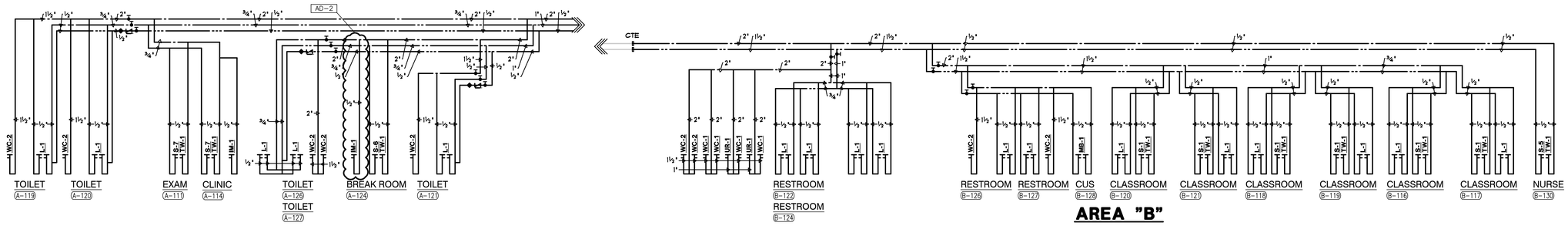
PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
P-501

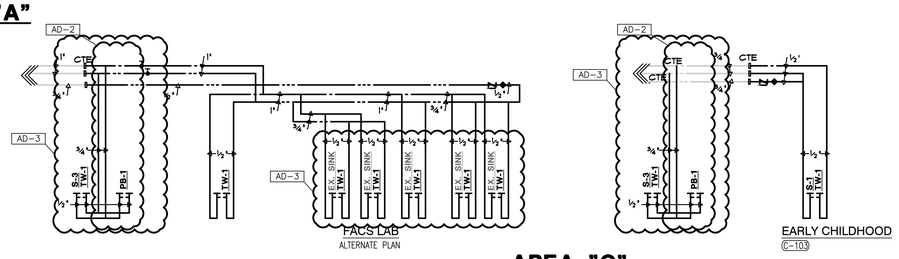
COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

DOMESTIC COLD, HOT AND HOT WATER RETURN RISER DIAGRAMS

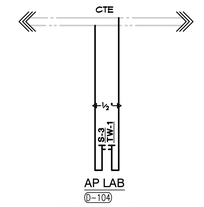


AREA "A"

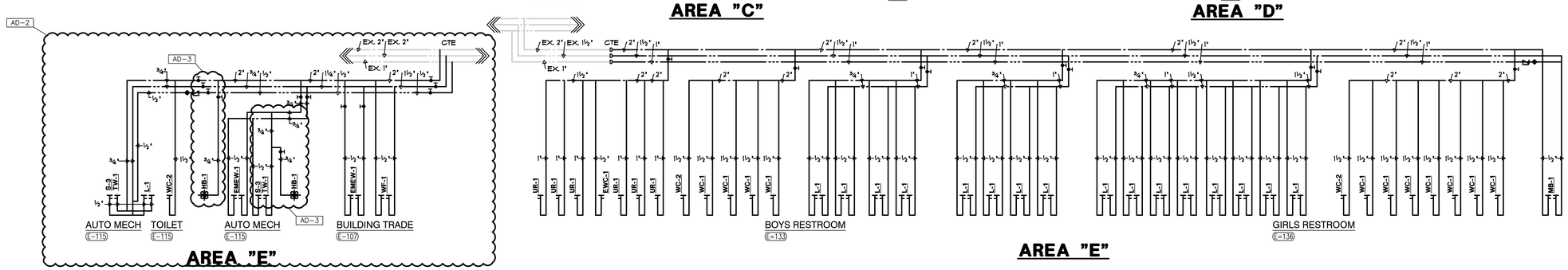
AREA "B"



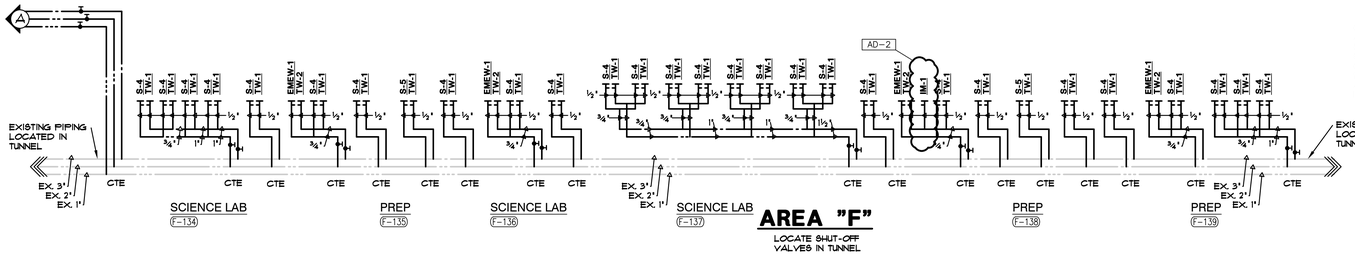
AREA "C"



AREA "D"

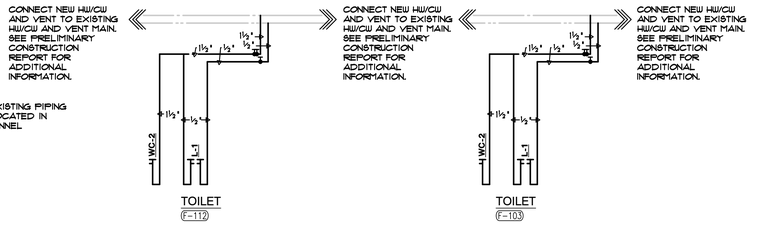


AREA "E"

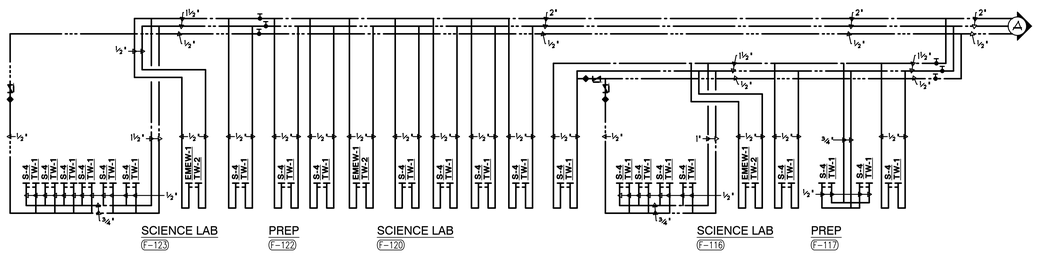


AREA "F"

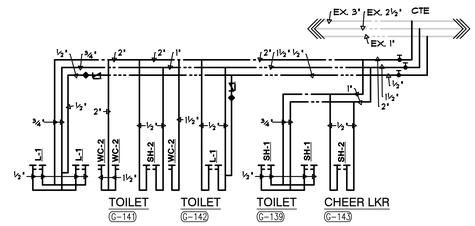
LOCATE SHUT-OFF VALVES IN TUNNEL



AREA "F"



AREA "F"



AREA "G"

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP (317) 924-8400 www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email Info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

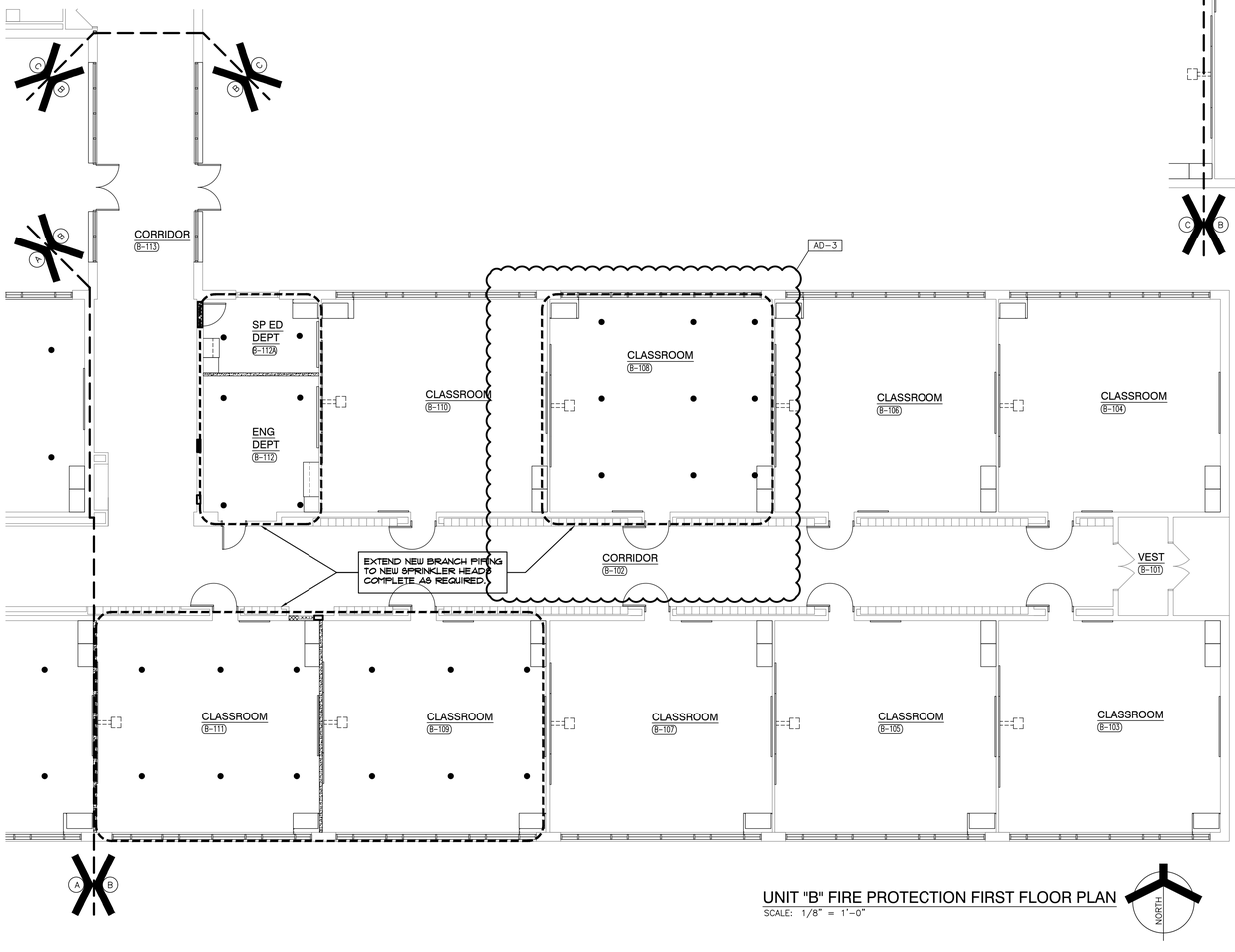
DRAWING
PLUMBING RISER DIAGRAMS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

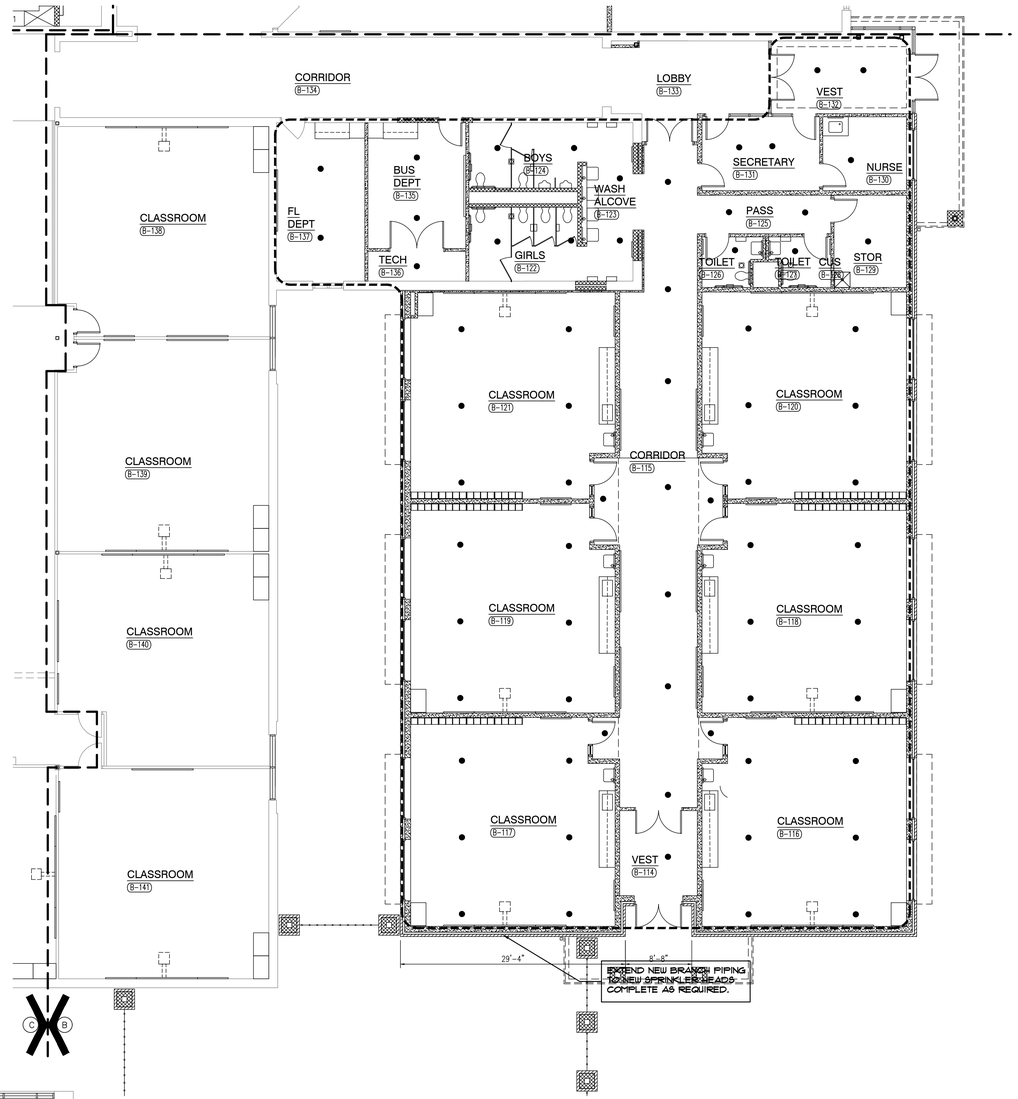
© GIBRALTAR DESIGN

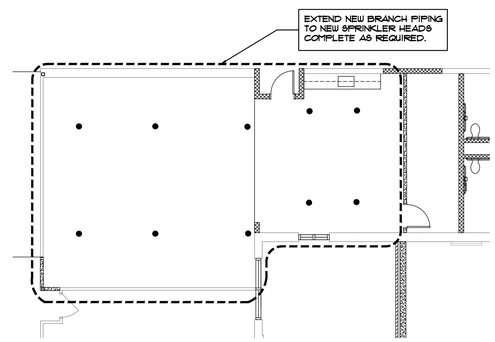
SHEET
P-502

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



UNIT "B" FIRE PROTECTION FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"





PARTIAL UNIT "B" ALTERNATE
FIRE PROTECTION FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

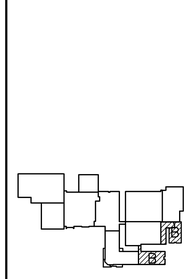
GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(317) 924-6400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

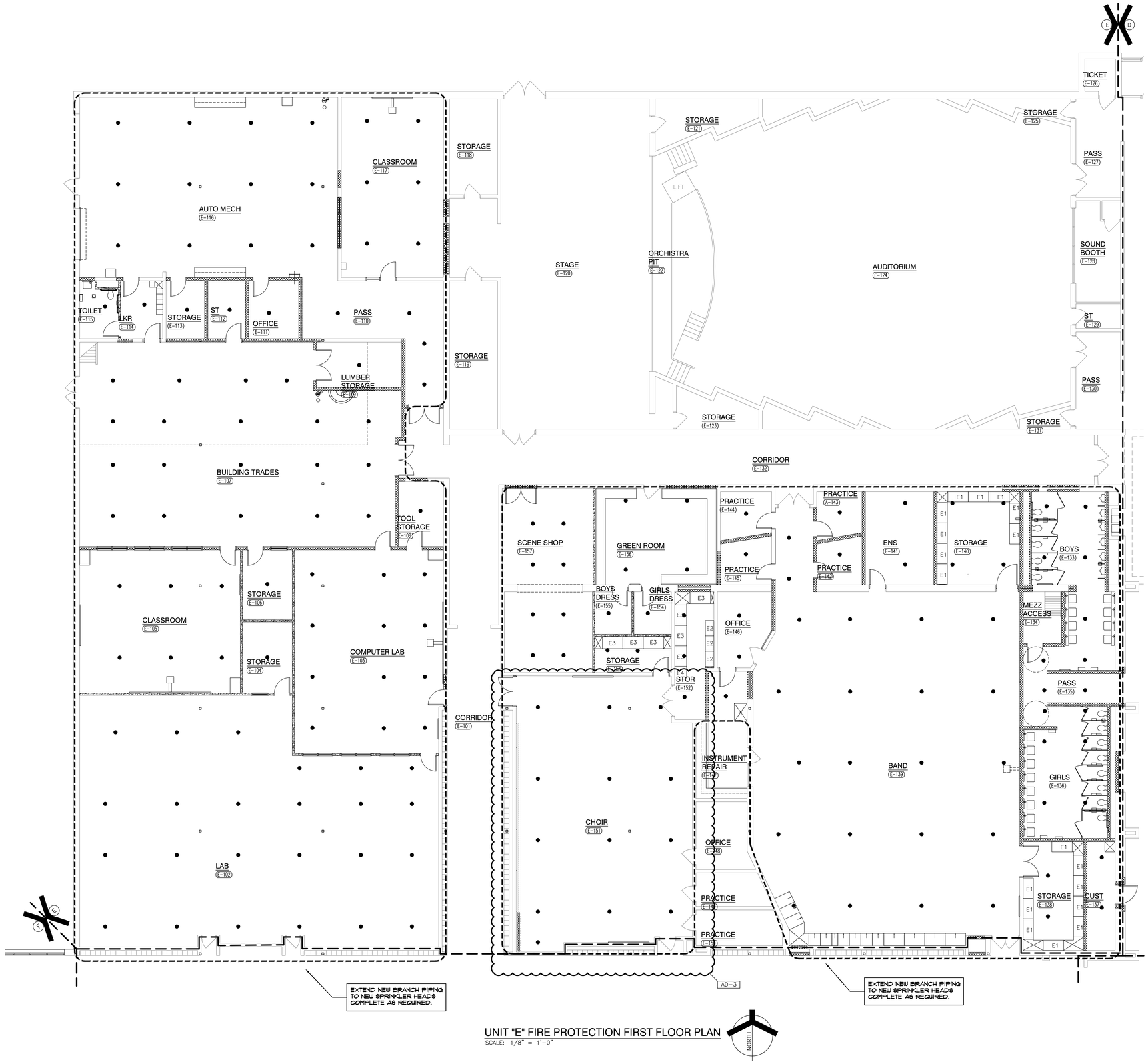
DRAWING
UNIT "B" FIRE PROTECTION FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
B FP-102

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



UNIT "E" FIRE PROTECTION FIRST FLOOR PLAN

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

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "E" FIRE PROTECTION FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET E FP-105

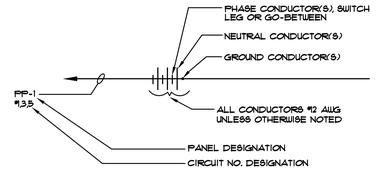
COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

ELECTRICAL ABBREVIATIONS

NOTE:
ABBREVIATIONS USED ON DRAWINGS IN GENERAL ARE LISTED BELOW. REFER TO CSI SECTION 01420 FOR ANY ABBREVIATIONS LISTED ON THE DRAWINGS BUT ARE NOT LISTED BELOW.

A	AMPS	KVA	KILOVOLT AMPERE
AC	AIR CONDITIONING	KW	KILOWATTS
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AFG	ABOVE FINISHED GRADE	MTD	MOUNTED
BRKR	BREAKER	NE	NEW LOCATION OF EXISTING RELOCATED DEVICE
C	CONDUIT	NIC	NOT IN CONTRACT
CH	CABINET HEATER	NL	NIGHTLIGHT
CKT	CIRCUIT	NTS	NOT TO SCALE
DISTR	DISTRIBUTION	O/C	ON CENTER
EF	EXHAUST FAN	P	POLE
ELEC	ELECTRICAL	PNL	PANEL
EM	EMERGENCY	PH	PHASE
EMT	ELECTRICAL METALLIC TUBING	RR	REMOVE AND RELOCATE EXISTING DEVICE
ER	EXISTING DEVICE TO BE REMOVED	SW	SWITCH
EX	EXISTING DEVICE TO REMAIN	TYP	TYPICAL
F	FUSE	UON	UNLESS OTHERWISE NOTED
FS	FUSIBLE SWITCH	V	VOLTS
G	GROUND	VIF	VERIFY IN FIELD
GFI	GROUND FAULT INTERRUPTING PROTECTION	W	WATTS
GRC	GALVANIZED RIGID CONDUIT	WP	WEATHERPROOF TYPE DEVICE
HP	HORSEPOWER	WG	WIRE GUARD
J	JUNCTION BOX	F&I	FURNISH AND INSTALL

KEY TO ELECTRICAL CIRCUIT WIRING



NOTES:
1. ALL WIRING SHALL BE #12 AWG, UNLESS OTHERWISE NOTED.
2. MINIMUM CONDUIT SIZE SHALL BE ¾" EXCEPT FOR THREE (3) WIRES OR LESS, OR CONTROL WIRING WITHIN BUILDINGS, WHICH MAY BE ½" CONDUIT.
3. ½" FLEXSTEEL, GREENFIELD OR SEALITE SHALL BE THE MINIMUM SIZE INSTALLED.

SYMBOL LIST

* NOTE:
FIRE ALARM DEVICES, MOUNTING HEIGHT, ETC. SHALL COMPLY WITH 'ADA' STANDARDS.

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

FACP — FIRE ALARM CONTROL PANEL

FAA — FIRE ALARM ANNUNCIATOR PANEL

RT — REMOTE SMOKE DETECTOR TEST STATION WITH LED AND KEYED SWITCH.

(D) — FIRE ALARM SYSTEM HEAT DETECTOR - COMBINATION TYPE (RR - FIXED TEMP.) IN BOILER ROOM

(SD) — FIRE ALARM SYSTEM SMOKE DETECTOR - CEILING MOUNTED - ABOVE FACP

(SD)D — FIRE ALARM SYSTEM DUCT TYPE SMOKE DETECTOR PROVIDED INTEGRAL TO THE ROOF TOP UNIT, WIRED TO CONTROL LOCAL FAN SHUT DOWN RELAY AND WIRED PER MANUFACTURER'S RECOMMENDATIONS AND NFPA 72

FIRE ALARM FULL STATION MTD 42"AFF.

FIRE ALARM AUDIO/VISUAL DEVICE MTD. 80" A.F. OR 6" BELOW FINISHED CEILING WHICHEVER IS LOWER.

FIRE ALARM STROBE ONLY MTD 80" AFF. - 15 CANDELA

FIRE ALARM STROBE ONLY MTD 80" AFF. - 75 CANDELA

ELECTROMAGNETIC WALL MOUNTED DOOR HOLDER OR WIRE HARDWARE INSTALLED DOOR CLOSER COMPLETE AS REQUIRED. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING STYLE WITH DOOR SCHEDULE PRIOR TO ROUGHING IN FOR SAME.

TELEPHONE OUTLET - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

DUPLEX DATA OUTLET - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

WAP / WT — DUPLEX DATA OUTLET FOR WIRELESS ACCESS POINTS - - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 18" A.F.F. OR AS NOTED) (HUBBELL #5362 OR EQUAL)

120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 42" A.F.F. OR 2" ABOVE BACKSPLASH IF LOCATED ABOVE COUNTER - MAX 44" AFF) (HUBBELL #5362 OR EQUAL)

120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH G.F.I. PROTECTION - (MOUNTED 18" A.F.F. OR AS NOTED) (HUBBELL #GF20 OR EQUAL)

120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH G.F.I. PROTECTION (MOUNTED 42" A.F.F. OR 2" ABOVE BACKSPLASH IF LOCATED ABOVE COUNTER) (HUBBELL #GF20 OR EQUAL)

SWITCH W/ PILOT LIGHT HANDLE MTD. 42" AFF

JUNCTION BOX - SIZE AND TYPE AS REQUIRED.

FLEX CONDUIT CONNECTION

JUNCTION BOX W/ FLEX CONDUIT CONNECTION.

ELECTRIC MOTOR CONNECTION - PROVIDE LOCAL DISCONNECT SWITCH PER NATIONAL ELECTRIC CODE - CONNECT MISCELLANEOUS ACCESSORIES SUCH AS BACK DRAFT DAMPERS, ETC. COMPLETE AS REQUIRED.

CONDUIT CONCEALED ABOVE CEILING OR IN WALL

CONDUIT CONCEALED IN OR BELOW FINISHED FLOOR.

CONDUIT EXPOSED ON CEILING, WALL OR BAR JOIST - ROUTED IN NEAT MANNER

HEXAGON TAG REFERENCE TO EQUIPMENT CONNECTION SCHEDULE

ELLIPSE TAG REFERENCE TO SHEET NOTES

TWO DEVICE MOUNTED UNDER COMMON COVER. WHERE LOW VOLTAGE DEVICES ARE MOUNTED UNDER COMMON COVER, COMBINE CONDUIT STUBS MAINTAINING THE EQUIVALENT FREE AREA FOR THE LOW VOLTAGE CABLING.

ELECTRIC PANELBOARDS.

DISCONNECT SWITCH SIZE AND TYPE AS REQUIRED - COORDINATE AMPERE RATING WITH EQUIPMENT SUPPLIER

RN — REMOVE EXISTING DEVICE AND PROVIDE NEW AS INDICATED IN EXISTING BACK BOX, JUNCTION BOX, ETC. VERIFY EXACT LOCATION AND CONDITIONS IN FIELD. MODIFY EXISTING BACK BOX, JUNCTION BOX, ETC. PROVIDE TRIM PLATES, EXTENSION RINGS, ETC. AS REQUIRED TO MOUNT NEW DEVICE AS INDICATED.

NI — #41 NEW DEVICE AS INDICATED.

EX — EXISTING LIGHTS, RECEPTACLES, DEVICE, ETC. TO REMAIN. (AD-3)

ER — EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO BE REMOVED COMPLETE IN ITS ENTIRETY. REMOVE ALL ASSOCIATED SURFACE MOUNTED CONDUIT, OUTLETS, ETC. AND BLANK-OFF FLUSH WITH NEW OR EXISTING CONSTRUCTION. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

RR — REMOVE EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICES, ETC. AND RELOCATE TO NEW LOCATION COMPLETE AS REQUIRED.

NE — NEW LOCATION OF EXISTING RELOCATED LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. EXTEND CONDUIT, WIRE, CABLE, ETC. COMPLETE AS REQUIRED TO NEW LOCATION FOR A COMPLETE AND PROPER INSTALLATION.

LC — LIGHTING SCENE CONTROLLER ACUITY nLIGHT UNITOUCH SERIES WITH FINISH TO BE SELECTED BY ARCHITECT. VERIFY EXACT SWITCHING ARRANGEMENT, PASSWORD LOCKOUT AND DIGITAL BUTTON LABELING PRIOR TO ORDERING

M LC — MASTER LIGHTING CONTROLLER ACUITY FRESCO #FCS-1T8N-X-X. COORDINATE FINAL PROGRAMMING AND SWITCHING ARRANGEMENTS IN FIELD.

D $ — 0-10V DIMMER SWITCH - (TYPICAL - MOUNTED 42" A.F.F.) (PROVIDE LEVITON OR LUTRON DIMMER - COORDINATE EXACT MODEL WITH OWNER AND WITH FIXTURE MANUFACTURER FOR COMPATIBILITY)

D $3 — 0-10V DIMMER SWITCH WITH THREE WAY SWITCH CAPABILITY - (TYPICAL - MOUNTED 42" A.F.F.) (PROVIDE LEVITON OR LUTRON DIMMER - COORDINATE EXACT MODEL WITH OWNER AND WITH FIXTURE MANUFACTURER FOR COMPATIBILITY)

$ — GENERAL PURPOSE 1-POLE SWITCH - (TYPICAL - MOUNTED 42" A.F.F.) (HUBBELL #1221 OR EQUAL)

$3 — GENERAL PURPOSE 3-WAY SWITCH MTD 42" AFF (HUBBELL #1223 OR EQUAL)

K $ — KEY OPERATED ON/OFF TOGGLE TYPE SWITCH (HUBBELL #121L SERIES OR EQUAL)

$M1 — FURNISH AND INSTALL ON/OFF WALL SWITCH SINGLE BUTTON DUAL TECHNOLOGY OCCUPANCY SENSOR WITH MANUAL ON OPERATION. MANUFACTURERS: SENSORSWITCH #WSX-PDT OR APPROVED EQUAL BY LEVITON OR COOPER CONTROLS.

$M2 — FURNISH AND INSTALL WALL SWITCH SINGLE BUTTON DUAL TECHNOLOGY OCCUPANCY SENSOR WITH 0-10V DIMMER CAPABILITIES. MANUFACTURERS: SENSORSWITCH #WSX-PDT-D-X OR APPROVED EQUAL BY LEVITON OR COOPER CONTROLS.

M — FURNISH AND INSTALL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH POWER PACK. MANUFACTURERS: SENSORSWITCH #CM-PDT-10-MP-20 (WITH MICROPHONICS) OR APPROVED EQUAL BY LEVITON OR COOPER CONTROLS.

WG M H — FURNISH AND INSTALL NETWORKED CEILING MOUNTED HIGH BAY OCCUPANCY SENSOR. MANUFACTURERS: N-LIGHT #NCM-6-X (WITH WIREGUARD PROTECTION) OR APPROVED EQUAL BY LEVITON OR COOPER CONTROLS.

S — CEILING SPEAKERS - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

LED — LED CLOCK - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

ANALOG CLOCK - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

VIS — VIDEO INTERCOM - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

TV / TV — TV - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION. COORDINATE EXACT MOUNTING HEIGHT OF ADJACENT POWER OUTLET WITH LOW VOLTAGE EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

VIP — TV - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION. COORDINATE EXACT MOUNTING HEIGHT OF ADJACENT POWER OUTLET WITH LOW VOLTAGE EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

MIC — MIC INPUT - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION.

CAM — CAMERA - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION.

DC — SECURITY SYSTEM DOOR CONTACT - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

CR — CARD ACCESS CONTROLLER - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

L — ELECTRIC DOOR STRIKE - ROUGH-IN ONLY - REFER TO DOOR HARDWARE AND TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION. ROUTE 3/4"C. TO ACCESSIBLE CEILING SPACE FROM DOOR MULLION

P — DOOR OPERATOR PUSH BUTTON FURNISHED BY OTHERS, WIRED AND INSTALLED BY CONTRACTOR. PROVIDE TWO (2) GANG BACK-BOX MOUNTED AT 42" A.F.F. WITH ¾"C. ROUTED DOOR OPERATOR. REFER TO T600 DRAWINGS FOR CONDUIT AND WIRING INFORMATION.

DO — DOOR OPERATOR FURNISHED AND INSTALLED BY OTHERS, WIRED BY CONTRACTOR. COORDINATE ELECTRICAL LOCATION WITH DOOR HARDWARE SUPPLIER. REFER TO T600 DRAWINGS FOR CONDUIT AND WIRING INFORMATION.

120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED AT SPECIAL HEIGHT - COORDINATE IN FIELD) (HUBBELL #5362 OR EQUAL)

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

VM — EVOLUTION SERIES FLUSH FLOOR BOX WITH TWO (2) 20A GROUNDED DUPLEX RECEPTACLES AND FUTURE LOW VOLTAGE ROUGH-IN. STUB TWO (2) 1¼" CONDUITS (QUANTITY AS REQUIRED) FROM THE LOW VOLTAGE SECTION OF THE OF THE BOX TO THE ACCESSIBLE CEILING SPACE. PROVIDE SCRUB-RESISTANT COVER AND COORDINATE FINISH WITH ARCHITECT.

CEILING MOUNTED PROJECTOR LOCATION WITH ONE (1) DUPLEX RECEPTACLE AND SEPARATE BACK BOX WITH FUTURE LOW VOLTAGE ROUGH-IN AND COVERPLATE. SUPPORT BOXES FROM STRUCTURE WITH UNISTRUT AS REQUIRED. SEE SPECIFICATIONS AND TEACHER STATION AND PROJECTOR DETAILS FOR ADDITIONAL INFORMATION.

WALL MOUNTED PROJECTOR LOCATION WITH ONE (1) DUPLEX RECEPTACLE AND SEPARATE BACK BOX WITH LOW VOLTAGE JACKS AND COVERPLATE. SUPPORT BOXES FROM STRUCTURE WITH UNISTRUT AS REQUIRED. SEE SPECIFICATIONS AND TEACHER STATION AND PROJECTOR DETAIL FOR ADDITIONAL INFORMATION.

SB — SPLICE BOX, VERIFY EXACT SIZE IN FIELD.

T — TRANSFORMER - SIZE AND TYPE AS REQUIRED

SECURITY MOTION SENSOR

TELEPHONE OUTLET - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

DUPLEX DATA OUTLET - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

WAP / WT — DUPLEX DATA OUTLET FOR WIRELESS ACCESS POINTS - - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

WM — WIRE MOLD SURFACE RACEWAY COMPLETE WITH ALL ACCESSORIES

ALL DEVICES INDICATED WITH SHADED BOX BASE TO BE SURFACE MOUNTED TO THE EXISTING WALL ON WIREMOLD #V2000 OR EQUAL IF SINGLE SERVICE, OR WIREMOLD #4000 IF DUAL SERVICES

WIREMOLD #V4000 RACEWAY VERTICAL RISER. SEE DETAIL

CUT AND PATCH EXISTING WALL AS REQUIRED TO INSTALL NEW DEVICE AND RACEWAY. REPAIR SURFACES TO MATCH EXISTING FINISH.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
ELECTRICAL SYMBOLS & ABBREVIATIONS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
E-002

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

GENERAL NOTES

1. DEVICES SHOWN ARE FOR ASSISTANCE ONLY. VERIFY ALL DEVICE LOCATIONS IN FIELD AND REMOVE AS REQUIRED PER THE NOTES BELOW.

SHEET NOTES

1. NO ELECTRICAL WORK WITHIN AREA INDICATED. EXISTING DEVICES IN THIS AREA TO REMAIN UNLESS OTHERWISE NOTED.
2. DISCONNECT EXISTING LIGHTING FIXTURE FROM EXISTING CIRCUITRY AND PREPARE FOR RECONNECTION TO NEW EMERGENCY GENERATOR CIRCUIT.

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

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP (219) 924-8400 www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2

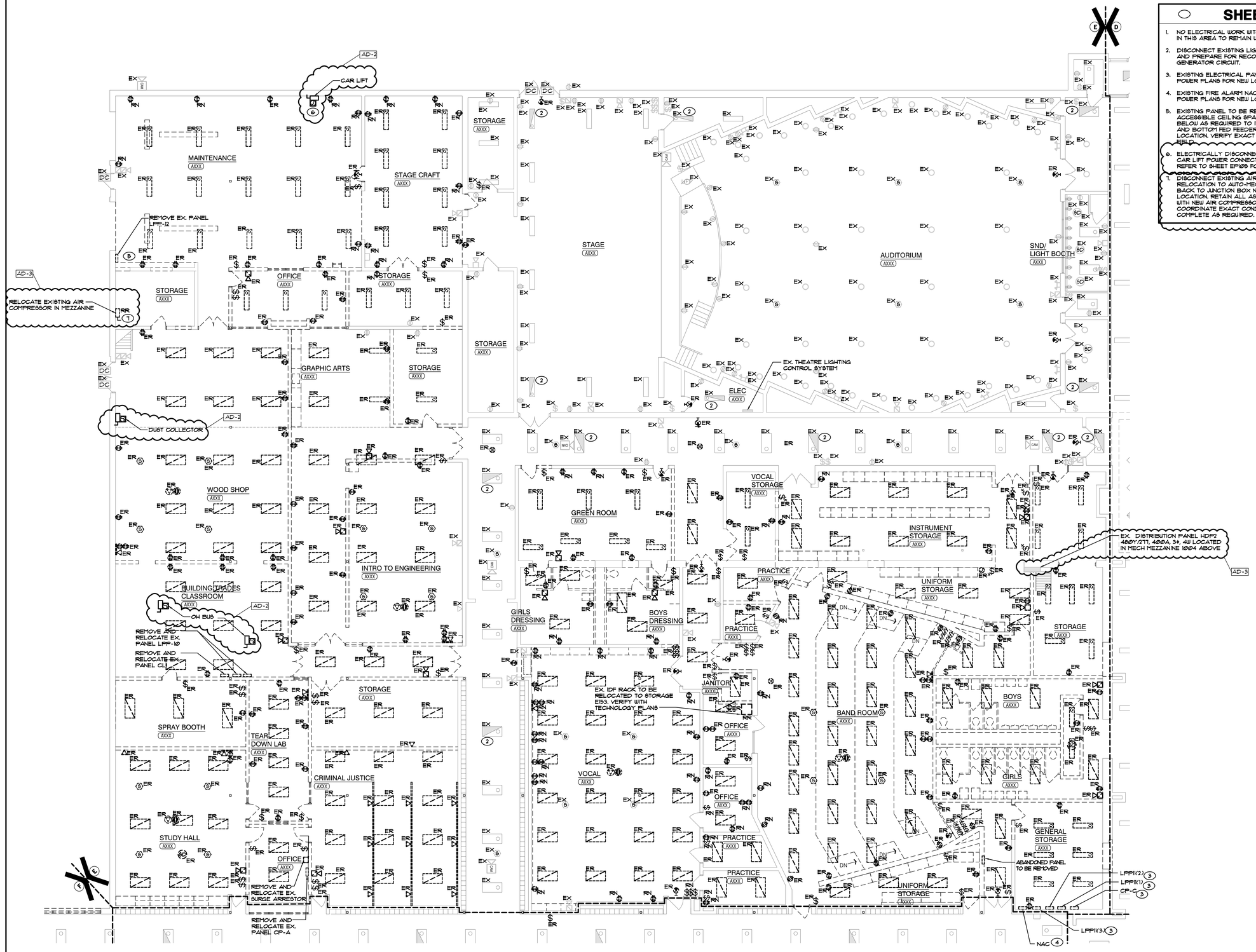
DRAWING
UNIT "B" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
B
ED102

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



UNIT "E" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

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

NORTH

GENERAL NOTES

1. DEVICES SHOWN ARE FOR ASSISTANCE ONLY. VERIFY ALL DEVICE LOCATIONS IN FIELD AND REMOVE AS REQUIRED PER THE NOTES BELOW.

SHEET NOTES

1. NO ELECTRICAL WORK WITHIN AREA INDICATED. EXISTING DEVICES IN THIS AREA TO REMAIN UNLESS OTHERWISE NOTED.
2. DISCONNECT EXISTING LIGHTING FIXTURE FROM EXISTING CIRCUITRY AND PREPARE FOR RECONNECTION TO NEW EMERGENCY GENERATOR CIRCUIT.
3. EXISTING ELECTRICAL PANEL TO BE RELOCATED. REFER TO POWER PLANS FOR NEW LOCATION AND WORK.
4. EXISTING FIRE ALARM NAC PANEL TO BE RELOCATED. REFER TO POWER PLANS FOR NEW LOCATION AND REQUIREMENTS.
5. EXISTING PANEL TO BE REMOVED. PROVIDE SPICE BOX IN ACCESSIBLE CEILING SPACE ABOVE, AND RECESSED IN FLOOR BELOW AS REQUIRED TO INTERCEPT EXISTING BRANCH CIRCUITRY AND BOTTOM FED FEEDER FOR EXTENSION TO NEW PANEL LOCATION. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
6. ELECTRICALLY DISCONNECT AND REMOVE COMPLETE EXISTING CAR LIFT POWER CONNECTION. PREP FOR NEW EQUIPMENT INSTALL, REFER TO SHEET EP105 FOR NEW WORK.
7. DISCONNECT EXISTING AIR COMPRESSOR IN MEZZANINE FOR RELOCATION TO AUTO-MECH E-116. REMOVE RELATED CIRCUITRY BACK TO JUNCTION BOX NEAREST NEW AIR COMPRESSOR LOCATION. RETAIN ALL ASSOCIATED WIRING, CONDUIT, ETC. FOR USE WITH NEW AIR COMPRESSOR LOCATION ON SHEET EP105. COORDINATE EXACT CONDITIONS AND REQUIREMENTS IN FIELD, COMPLETE AS REQUIRED.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP (219) 924-5400 www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER DAVID G. JANNEY

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/22/21	ADDENDUM NO. 3

DRAWING
UNIT "E" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
E
ED105

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



UNIT "F" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

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

GENERAL NOTES

1. DEVICES SHOWN ARE FOR ASSISTANCE ONLY. VERIFY ALL DEVICE LOCATIONS IN FIELD AND REMOVE AS REQUIRED PER THE NOTES BELOW.

SHEET NOTES

1. NO ELECTRICAL WORK WITHIN AREA INDICATED. EXISTING DEVICES IN THIS AREA TO REMAIN UNLESS OTHERWISE NOTED.
2. DISCONNECT EXISTING LIGHTING FIXTURE FROM EXISTING CIRCUITRY AND PREPARE FOR RECONNECTION TO NEW EMERGENCY GENERATOR CIRCUIT.
3. EXISTING MECHANICAL EQUIPMENT TO BE REMOVED. DISCONNECT AND REMOVE EXISTING ELECTRICAL CONNECTION (DISCONNECT, RACEWAYS, CONDUCTORS) BACK TO SOURCE AND LABEL SOURCE BREAKER AS SPARE, COMPLETE AS REQUIRED. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON FOR ANY PURPOSE OTHER THAN THAT SPECIFICALLY AUTHORIZED IN WRITING BY GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR

DRAWING
UNIT "F" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
F
ED106

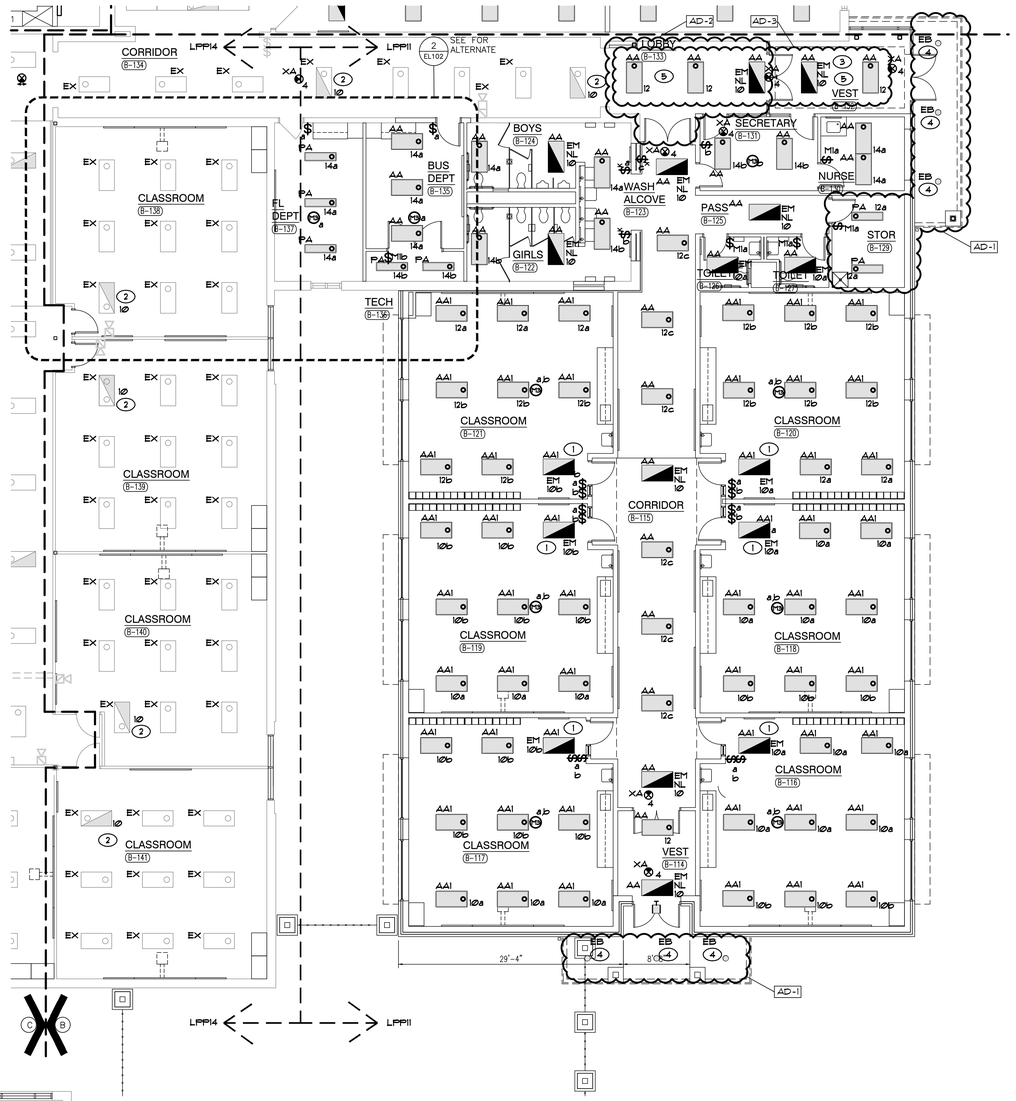
COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

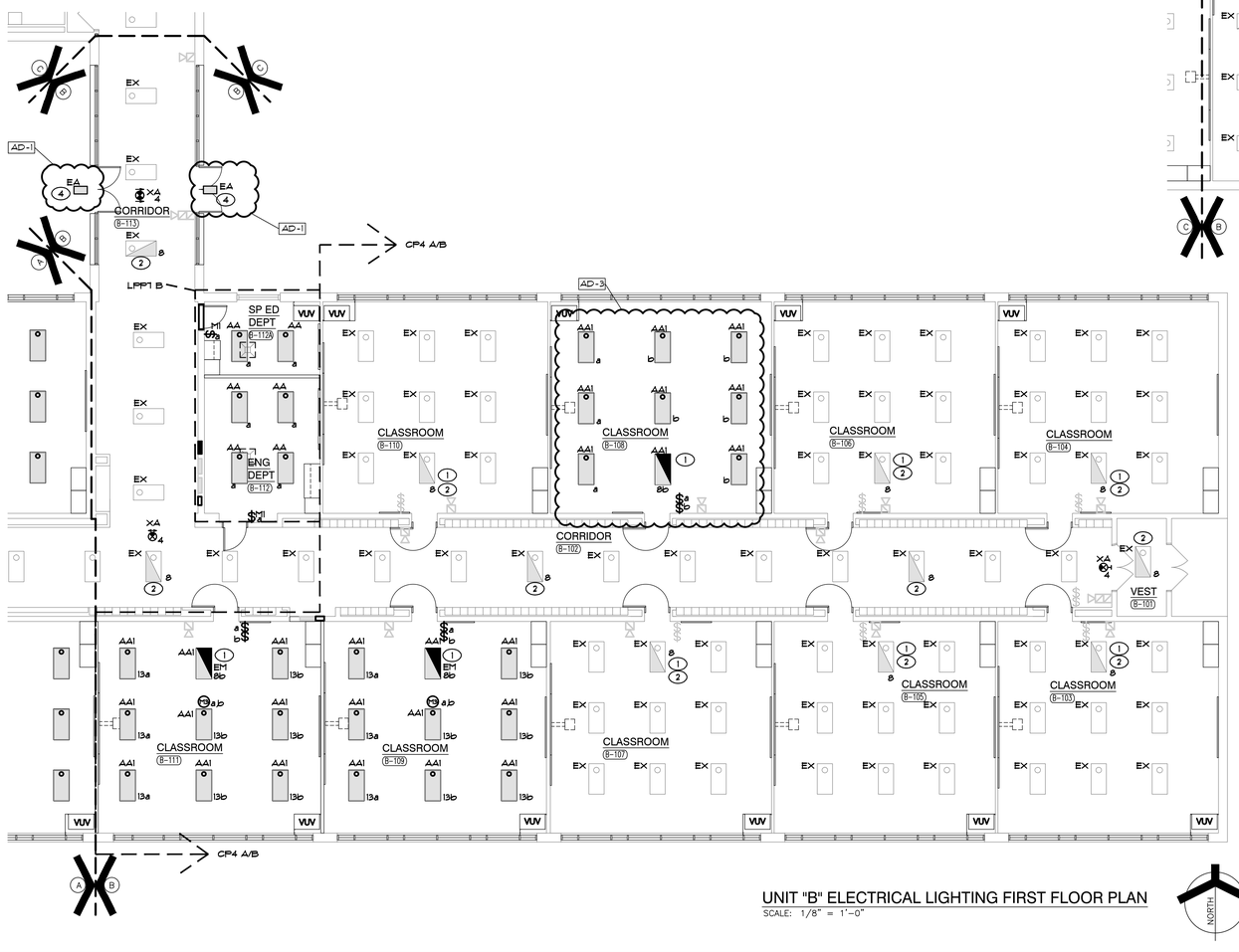
GENERAL NOTES

1. CONNECT NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS TO NEW EMERGENCY BRANCH PANEL 'EM-L', UNLESS NOTED OTHERWISE.

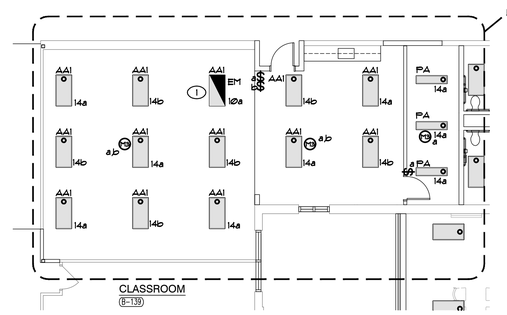
SHEET NOTES

1. PROVIDE UL 924 DEVICE FOR NORMAL POWER SWITCHING, FIXTURE SHALL AUTOMATICALLY TRANSFER TO EM POWER UPON LOSS OF NORMAL POWER CIRCUIT.
2. RECIRCUIT EXISTING EM LIGHTING FIXTURE TO NEW EMERGENCY BRANCH PANEL 'EM-L', WIRE TO EM CIRCUIT INDICATED.
3. WIRE FIXTURE TO EXISTING LIGHTING BRANCH CIRCUIT SERVING CORRIDOR LIGHTING.
4. CONNECT NEW EXTERIOR LIGHTING FIXTURES TO EXISTING LIGHTING CIRCUITRY CONNECTED TO PANEL LPP-5 AND EXISTING SWITCHING DEVICES, COMPLETE AS REQUIRED. MAXIMUM 1400W PER 120V CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS ON 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 ¾" C. UNLESS NOTED OTHERWISE. PROVIDE CONTACTOR AS REQUIRED TO INTERCONNECT NEW CIRCUIT TO EXISTING TIMECLOCK CONTROL SYSTEM. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD. AD-3
5. INTERFACE NEW LIGHTING TO EXISTING CONTROLS SERVING SPACE.





UNIT "B" ELECTRICAL LIGHTING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



PARTIAL UNIT "B" ALTERNATE
ELECTRICAL LIGHTING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP (317) 924-8400 www.milliesengineeringgroup.com

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email Info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-2	04/16/21	ADDENDUM NO. 2

DRAWING
UNIT "B" ELECTRICAL LIGHTING FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
B
EL102

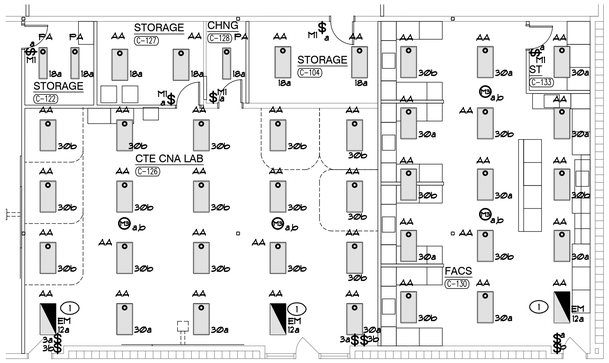
COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

GENERAL NOTES

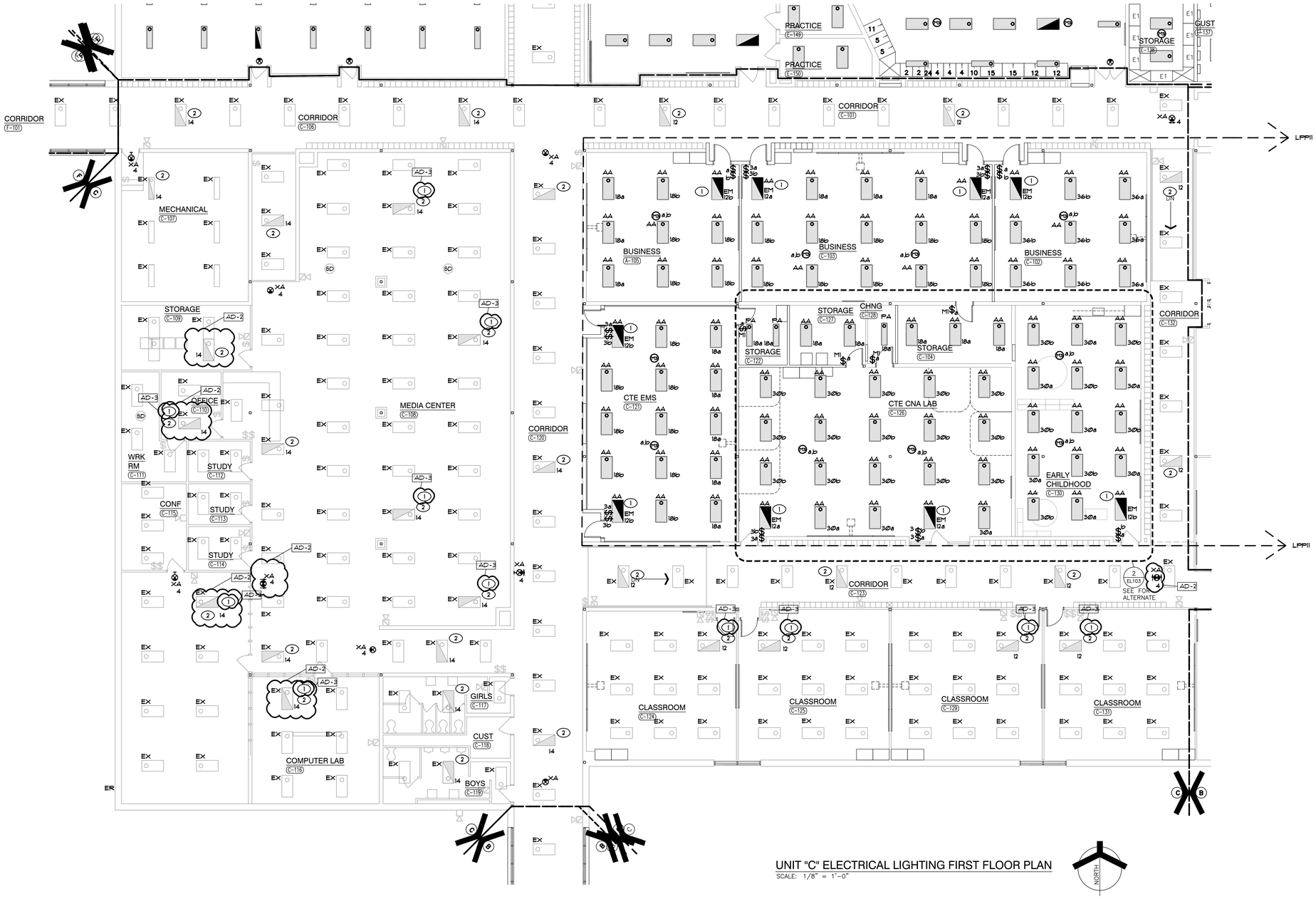
1. CONNECT NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS TO NEW EMERGENCY BRANCH PANEL 'EM-L', UNLESS NOTED OTHERWISE.

SHEET NOTES

1. PROVIDE UL 924 DEVICE FOR NORMAL POWER SWITCHING. FIXTURE SHALL AUTOMATICALLY TRANSFER TO EM POWER UPON LOSS OF NORMAL POWER CIRCUIT.
2. RECIRCUIT EXISTING EM LIGHTING FIXTURE TO NEW EMERGENCY BRANCH PANEL 'EM-L', WIRE TO EM CIRCUIT INDICATED.
3. WIRE FIXTURE TO EXISTING LIGHTING BRANCH CIRCUIT SERVING CORRIDOR LIGHTING.



PARTIAL UNIT "C" ALTERNATE
ELECTRICAL LIGHTING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



UNIT "C" ELECTRICAL LIGHTING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP (317) 924-5400 www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "C" ELECTRICAL LIGHTING FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET C EL103

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

GENERAL NOTES

1. CONNECT NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS TO NEW EMERGENCY BRANCH PANEL 'EM-L', UNLESS NOTED OTHERWISE.

SHEET NOTES

1. PROVIDE UL 924 DEVICE FOR NORMAL POWER SWITCHING. FIXTURE SHALL AUTOMATICALLY TRANSFER TO EM POWER UPON LOSS OF NORMAL POWER CIRCUIT.
2. RECIRCUIT EXISTING EM LIGHTING FIXTURE TO NEW EMERGENCY BRANCH PANEL 'EM-L', WIRE TO EM CIRCUIT INDICATED.
3. WIRE FIXTURE TO EXISTING LIGHTING BRANCH CIRCUIT SERVING CORRIDOR LIGHTING.
4. CONNECT NEW EXTERIOR LIGHTING FIXTURES TO EXISTING LIGHTING CIRCUITRY CONNECTED TO PANEL LPP-5 AND EXISTING SWITCHING DEVICES. COMPLETE AS REQUIRED. MAXIMUM 1400W PER 120V CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS ON THE EXISTING CIRCUITRY, THE 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 ¾" C. UNLESS NOTED OTHERWISE. PROVIDE CONTACTOR AS REQUIRED TO INTERCONNECT NEW CIRCUIT TO EXISTING TIMECLOCK CONTROL SYSTEM. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD. AD-1



UNIT "D" ELECTRICAL LIGHTING FIRST FLOOR PLAN
SCALE:

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP
(219) 924-5400
www.milliesengineeringgroup.com

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "D" ELECTRICAL LIGHTING FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
D
EL104

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

GENERAL NOTES

1. CONNECT NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS TO NEW EMERGENCY BRANCH PANEL 'EM-L', UNLESS NOTED OTHERWISE.

SHEET NOTES

1. PROVIDE UL 924 DEVICE FOR NORMAL POWER SWITCHING. FIXTURE SHALL AUTOMATICALLY TRANSFER TO EM POWER UPON LOSS OF NORMAL POWER CIRCUIT.
2. RECIRCUIT EXISTING EM LIGHTING FIXTURE TO NEW EMERGENCY BRANCH PANEL 'EM-L', WIRE TO EM CIRCUIT INDICATED.
3. FIXTURE 'WA' TO BE INSTALLED HORIZONTALLY ACROSS ALL MIRRORS, NO VERTICAL SECTIONS REQUIRED, REFER TO ARCHITECTURAL ELEVATIONS FOR ADDITIONAL INFORMATION. AD-1



FOR CIRCUITS ON PANEL LPP-23, UTILIZE CIRCUITS MADE AVAILABLE BY THE REMOVAL OF EXISTING DEVICES. CIRCUIT NUMBERS ARE ARBITRARY AND DEPICT CIRCUIT INTENT ONLY. COORDINATE EXACT CIRCUIT NUMBERS IN FIELD, COMPLETE AS REQUIRED.

UNIT "E" ELECTRICAL LIGHTING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP (219) 924-8400 www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email Info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1

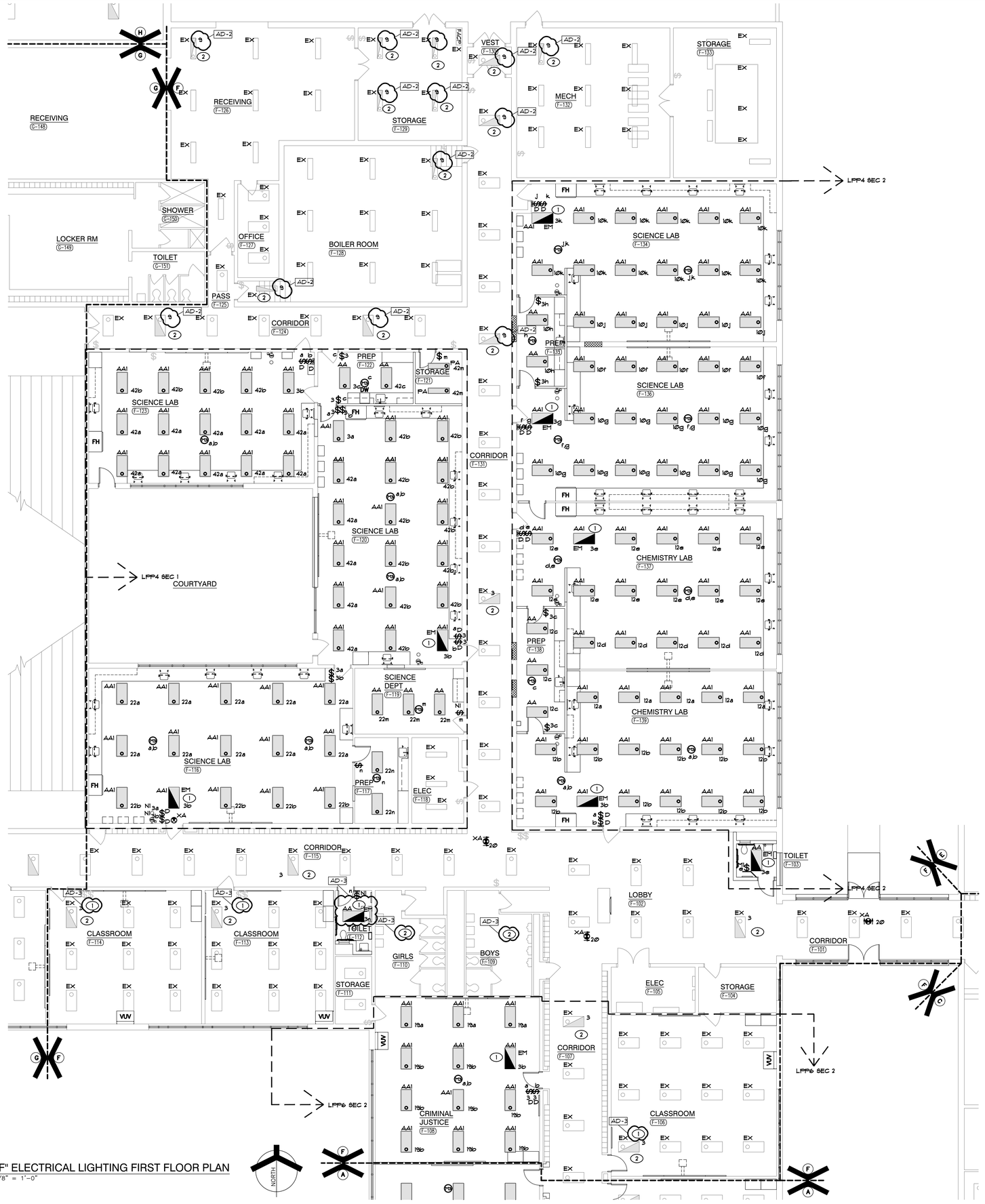
DRAWING
UNIT "E" ELECTRICAL LIGHTING FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
E
EL105

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



UNIT "F" ELECTRICAL LIGHTING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. CONNECT NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS TO NEW EMERGENCY BRANCH PANEL 'EM-L', UNLESS NOTED OTHERWISE.

SHEET NOTES

1. PROVIDE UL 924 DEVICE FOR NORMAL POWER SWITCHING. FIXTURE SHALL AUTOMATICALLY TRANSFER TO EM POWER UPON LOSS OF NORMAL POWER CIRCUIT.
2. RECIRCUIT EXISTING EM LIGHTING FIXTURE TO NEW EMERGENCY BRANCH PANEL 'EM-L', WIRE TO EM CIRCUIT INDICATED.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES
ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED PROFESSIONAL ENGINEER
DAVID G. JANNETT
NO. 10302590
STATE OF INDIANA

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "F" ELECTRICAL LIGHTING FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
F
EL106

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

GENERAL NOTES

1. CONNECT NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS TO NEW EMERGENCY BRANCH PANEL 'EM-L', UNLESS NOTED OTHERWISE.

SHEET NOTES

1. PROVIDE UL 924 DEVICE FOR NORMAL POWER SWITCHING. FIXTURE SHALL AUTOMATICALLY TRANSFER TO EM POWER UPON LOSS OF NORMAL POWER CIRCUIT.
2. RECIRCUIT EXISTING EM LIGHTING FIXTURE TO NEW EMERGENCY BRANCH PANEL 'EM-L', WIRE TO EM CIRCUIT INDICATED.

FOR NEW LIGHTING IN THIS AREA, UTILIZE CIRCUITS MADE AVAILABLE BY THE REMOVAL OF EXISTING DEVICES. CIRCUIT NUMBERS ARE ARBITRARY AND DEPICT CIRCUIT INTENT ONLY. COORDINATE EXACT CIRCUIT NUMBERS IN FIELD, COMPLETE AS REQUIRED.

EX. PANEL LFP-30
120/208V, 225A, 3Φ, 4W
AHU - C1
AHU - C2
TEMP CTRL

NAC
EX. PANEL LFP-54
120/208V, 225A, 3Φ, 4W

EX. PANEL LFP-5 SEC. 2
120/120V, 400A 3Φ, 4W

EX. PANEL LFP-5 SEC 1
120/120V, 400A, 3Φ, 4W

EX. CONCESSION PANEL
120/208V, 100A, 3Φ, 4W

EX. CONCESSION SUB PANEL

LFP5 SEC1

UNIT "G" ELECTRICAL LIGHTING FIRST FLOOR PLAN

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

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email Info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "G" ELECTRICAL LIGHTING FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
G EL107

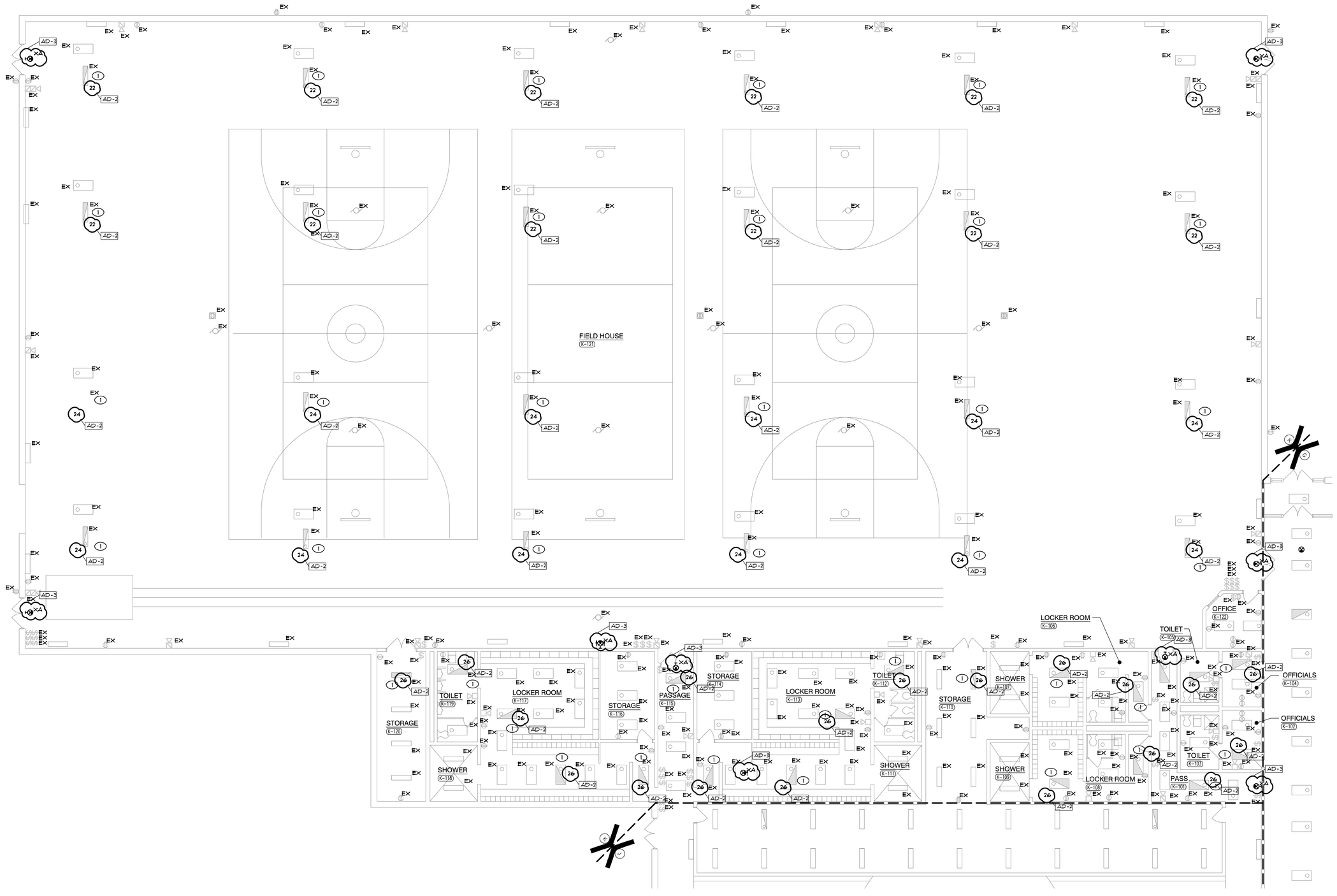
COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

GENERAL NOTES

1. DEVICES SHOWN ARE FOR ASSISTANCE ONLY. VERIFY ALL DEVICE LOCATIONS IN FIELD AND REMOVE AS REQUIRED PER THE NOTES BELOW.

SHEET NOTES

1. DISCONNECT EXISTING LIGHTING FIXTURE FROM EXISTING CIRCUITRY AND PREPARE FOR RECONNECTION TO NEW EMERGENCY GENERATOR CIRCUIT.



UNIT "K" ELECTRICAL LIGHTING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES
ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY
REGISTERED
NO. 10302590
STATE OF INDIANA
PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "K" ELECTRICAL LIGHTING FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
K
EL110

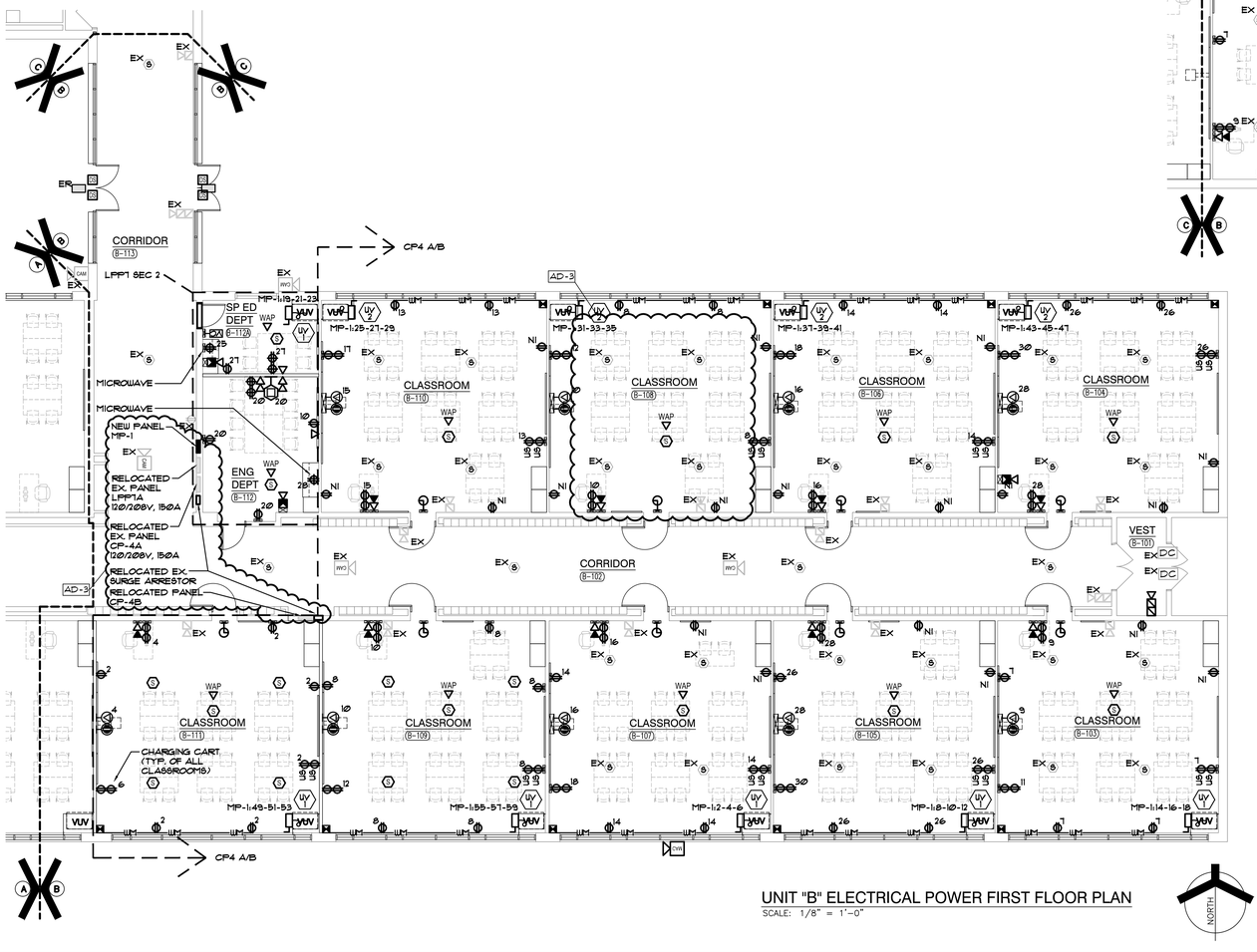
COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

SHEET NOTES

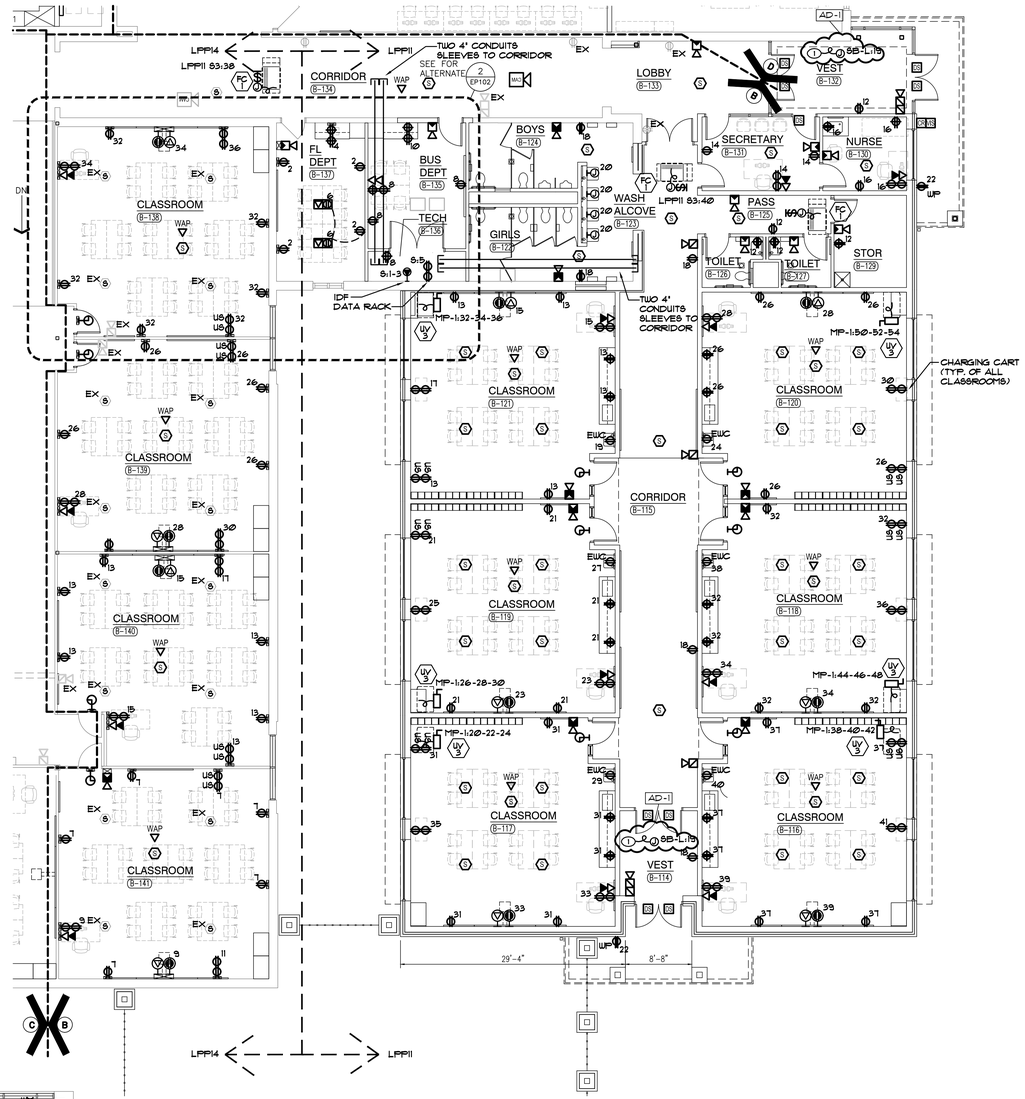
CIRCUIT ACCESS CONTROL POWER SUPPLIES IN THIS AREA TO CIRCUIT INDICATED. AD-1

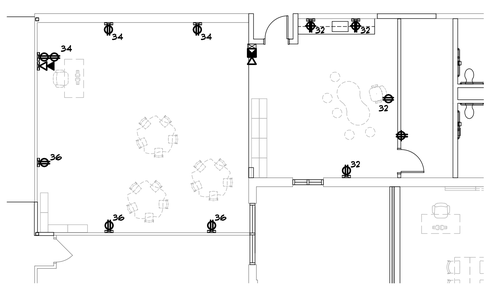
GENERAL NOTES

1. ALL WIRING RUN EXPOSED ON EXISTING WALLS SHALL BE ROUTED IN SURFACE RACEWAY. CONDUIT SHALL BE USED ABOVE ACCESSIBLE CEILING. ALL SURFACE RACEWAY SHALL BE WIREMOLD 4000 SERIES STEEL RACEWAY WITH DIVIDERS AND ISOLATION BARRIERS FOR POWER AND LOW VOLTAGE AS REQUIRED. PAINT RACEWAY TO MATCH SURROUNDING SURFACE.



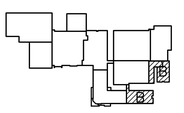
UNIT "B" ELECTRICAL POWER FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"





PARTIAL UNIT "B" ALTERNATE
ELECTRICAL POWER FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/22/21	ADDENDUM NO. 3

DRAWING
UNIT "B" ELECTRICAL POWER FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET B EP102

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

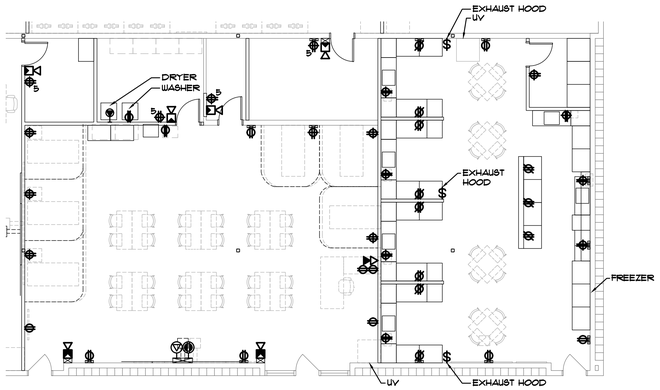
GENERAL NOTES

1. ALL WIRING RUN EXPOSED ON EXISTING WALLS SHALL BE ROUTED IN SURFACE RACEWAY. CONDUIT SHALL BE USED ABOVE ACCESSIBLE CEILING. ALL SURFACE RACEWAY SHALL BE WIREMOLD 4000 SERIES STEEL RACEWAY WITH DIVIDERS AND ISOLATION BARRIERS FOR POWER AND LOW VOLTAGE AS REQUIRED. PAINT RACEWAY TO MATCH SURROUNDING SURFACE.

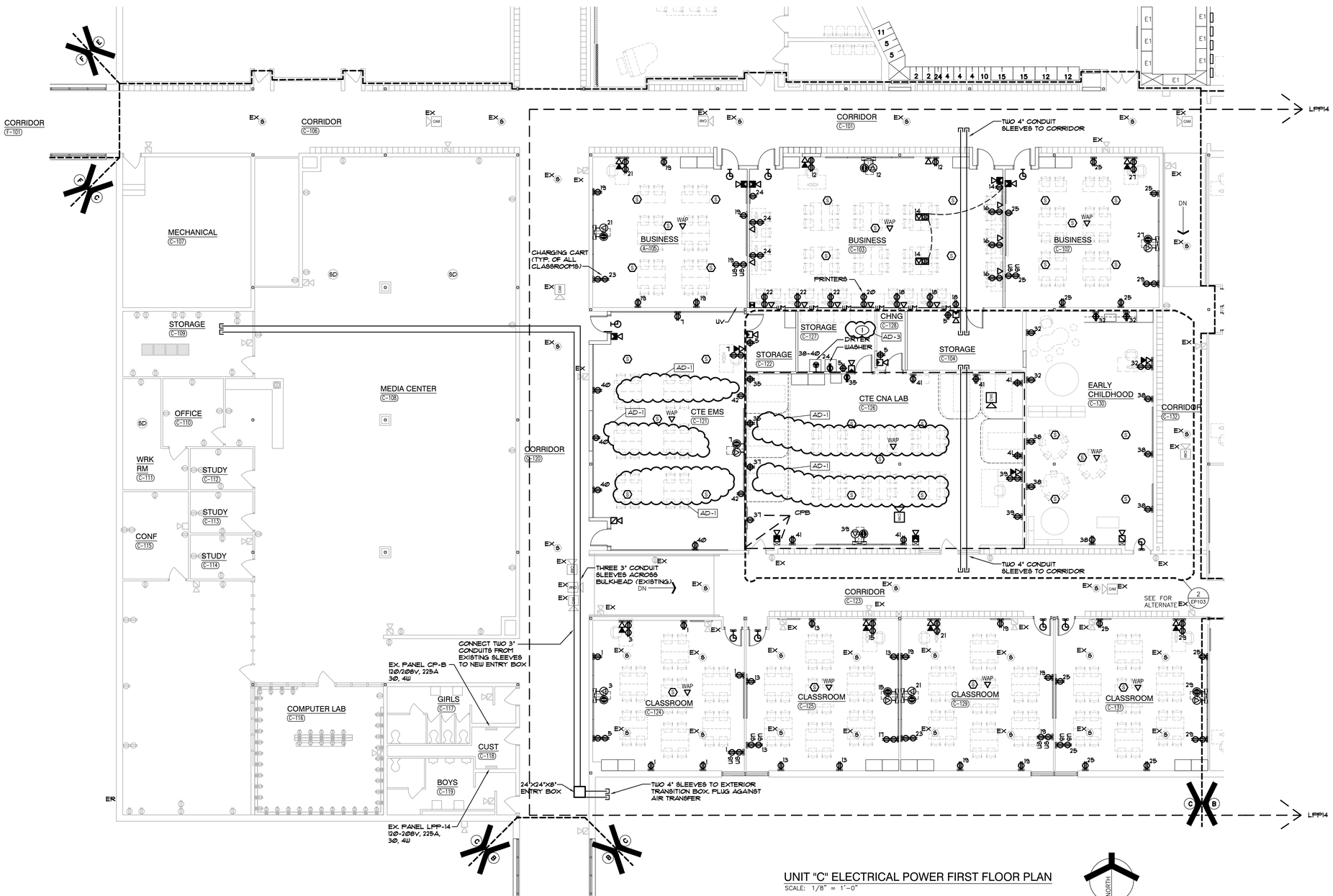
SHEET NOTES

1. VERIFY EXACT POWER REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.

AD-3



PARTIAL UNIT "C" ALTERNATE
ELECTRICAL POWER FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



UNIT "C" ELECTRICAL POWER FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANES REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/22/21	ADDENDUM NO. 3

DRAWING
UNIT "C" ELECTRICAL POWER FIRST FLOOR PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET C EP103

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

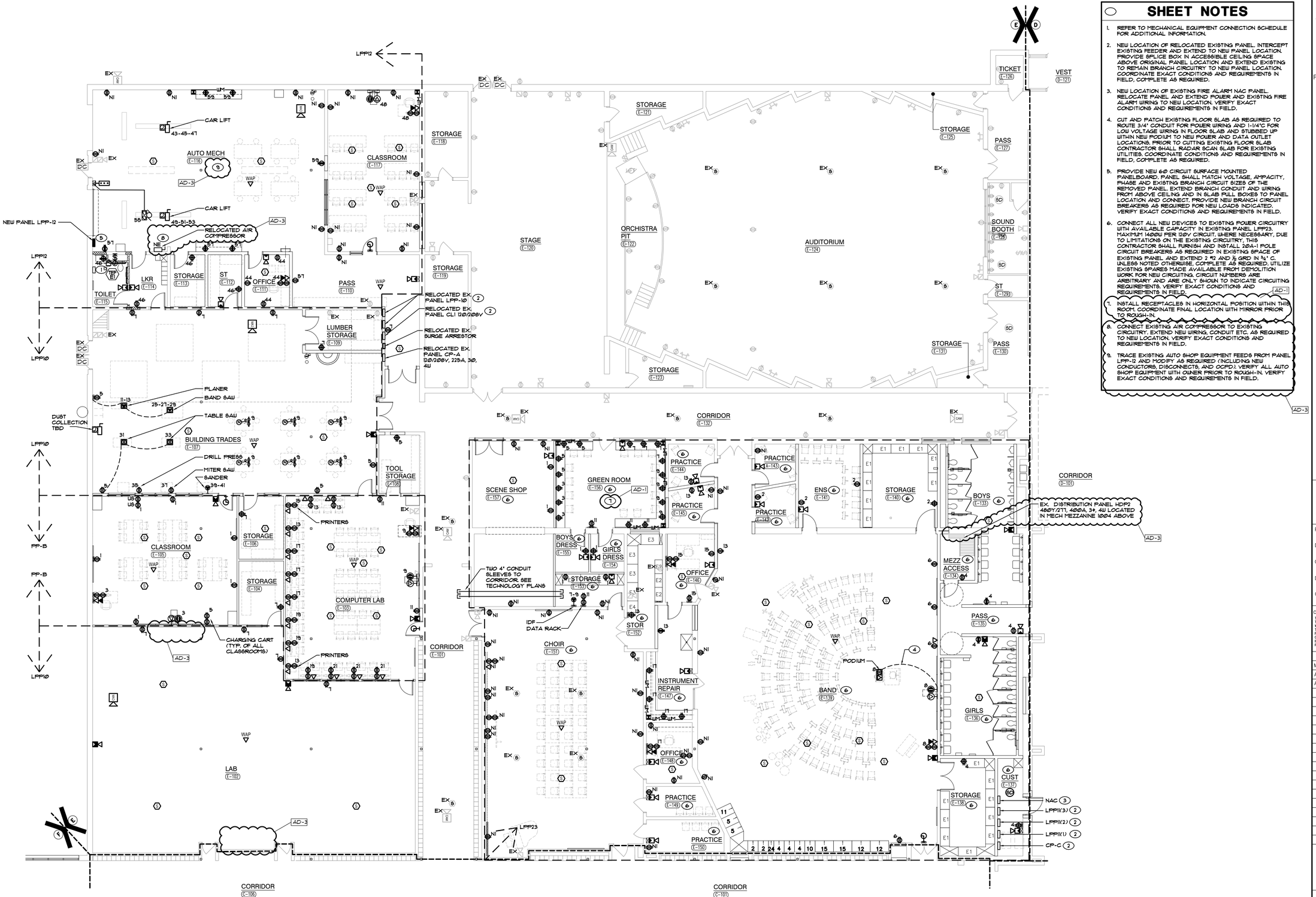
GENERAL NOTES

1. ALL WIRING RUN EXPOSED ON EXISTING WALLS SHALL BE ROUTED IN SURFACE RACEWAY. CONDUIT SHALL BE USED ABOVE ACCESSIBLE CEILING. ALL SURFACE RACEWAY SHALL BE WIREMOLD "4000 SERIES STEEL RACEWAY WITH DIVIDERS AND ISOLATION BARRIERS FOR POWER AND LOW VOLTAGE AS REQUIRED. PAINT RACEWAY TO MATCH SURROUNDING SURFACE.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION.
2. NEW LOCATION OF RELOCATED EXISTING PANEL. INTERCEPT EXISTING FEEDER AND EXTEND TO NEW PANEL LOCATION. PROVIDE SPLICE BOX IN ACCESSIBLE CEILING SPACE ABOVE ORIGINAL PANEL LOCATION AND EXTEND EXISTING TO REMAIN BRANCH CIRCUITRY TO NEW PANEL LOCATION. COORDINATE EXACT CONDITIONS AND REQUIREMENTS IN FIELD, COMPLETE AS REQUIRED.
3. NEW LOCATION OF EXISTING FIRE ALARM NAC PANEL. RELOCATE PANEL AND EXTEND POWER AND EXISTING FIRE ALARM WIRING TO NEW LOCATION. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
4. CUT AND PATCH EXISTING FLOOR SLAB AS REQUIRED TO ROUTE 3/4" CONDUIT FOR POWER WIRING AND 1-1/4"C FOR LOW VOLTAGE WIRING IN FLOOR SLAB AND STUBBED UP WITHIN NEW PODIUM TO NEW POWER AND DATA OUTLET LOCATIONS. PRIOR TO CUTTING EXISTING FLOOR SLAB CONTRACTOR SHALL RADAR SCAN SLAB FOR EXISTING UTILITIES. COORDINATE CONDITIONS AND REQUIREMENTS IN FIELD, COMPLETE AS REQUIRED.
5. PROVIDE NEW 60 CIRCUIT SURFACE MOUNTED PANELBOARD. PANEL SHALL MATCH VOLTAGE, AMPACITY, PHASE AND EXISTING BRANCH CIRCUIT SIZES OF THE REMOVED PANEL. EXTEND BRANCH CONDUIT AND WIRING FROM ABOVE CEILING AND IN SLAB PULL BOXES TO PANEL LOCATION AND CONNECT. PROVIDE NEW BRANCH CIRCUIT BREAKERS AS REQUIRED FOR NEW LOADS INDICATED. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
6. CONNECT ALL NEW DEVICES TO EXISTING POWER CIRCUITRY WITH AVAILABLE CAPACITY IN EXISTING PANEL LPFP23. MAXIMUM 1400W PER 120V CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS ON 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 ½ GRD IN ¾" C, UNLESS NOTED OTHERWISE, COMPLETE AS REQUIRED. UTILIZE EXISTING SPARES MADE AVAILABLE FROM DEMOLITION WORK FOR NEW CIRCUITING. CIRCUIT NUMBERS ARE ARBITRARY AND ARE ONLY SHOWN TO INDICATE CIRCUITING REQUIREMENTS. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD. AD-1
7. INSTALL RECEPTACLES IN HORIZONTAL POSITION WITHIN THIS ROOM. COORDINATE FINAL LOCATION WITH MIRROR PRIOR TO ROUGH-IN.
8. CONNECT EXISTING AIR COMPRESSOR TO EXISTING CIRCUITRY. EXTEND NEW WIRING, CONDUIT ETC. AS REQUIRED TO NEW LOCATION. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
9. TRACE EXISTING AUTO SHOP EQUIPMENT FEEDS FROM PANEL LPFP-12 AND MODIFY AS REQUIRED (INCLUDING NEW CONDUCTORS, DISCONNECTS, AND OCPD). VERIFY ALL AUTO SHOP EQUIPMENT WITH OWNER PRIOR TO ROUGH-IN. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.

AD-3



UNIT "E" ELECTRICAL POWER FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/22/21	ADDENDUM NO. 3

DRAWING
UNIT "E" ELECTRICAL POWER FIRST FLOOR PLAN

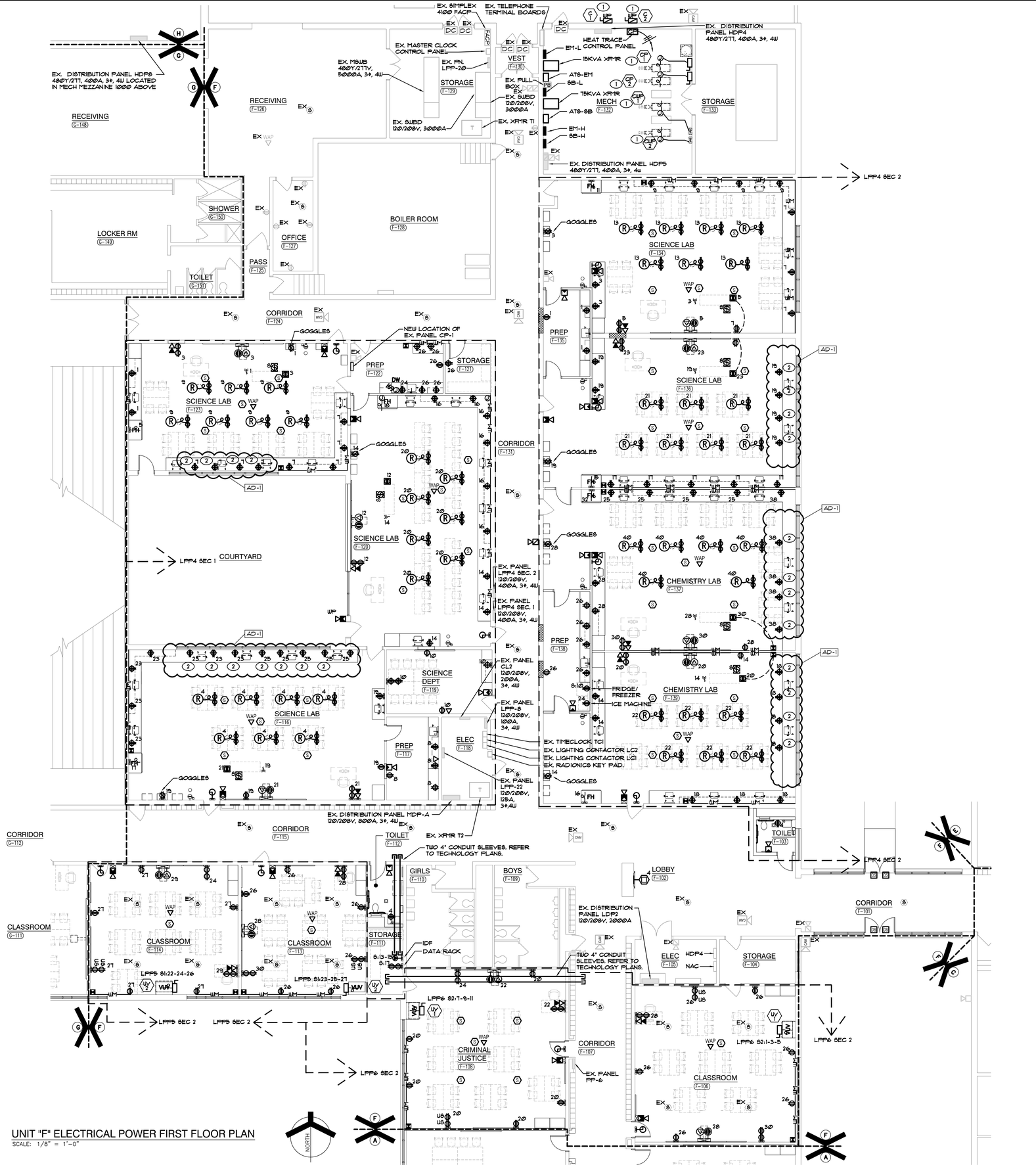
PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET E

EP105

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP



UNIT "F" ELECTRICAL POWER FIRST FLOOR PLAN

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

GENERAL NOTES

1. ALL WIRING RUN EXPOSED ON EXISTING WALLS SHALL BE ROUTED IN SURFACE RACEWAY. CONDUIT SHALL BE USED ABOVE ACCESSIBLE CEILING. ALL SURFACE RACEWAY SHALL BE WIREMOLD 4000 SERIES STEEL RACEWAY WITH DIVIDERS AND ISOLATION BARRIERS FOR POWER AND LOW VOLTAGE AS REQUIRED. PAINT RACEWAY TO MATCH SURROUNDING SURFACE.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION.
2. RECEPTACLE MOUNTED IN MILLWORK. ROUTE CONDUIT IN FURNITURE CHASE. COORDINATE FINAL LOCATION WITH MILLWORK INSTALLER PRIOR TO ROUGH-IN.

AD-1

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
UNIT "F" ELECTRICAL POWER FIRST FLOOR PLAN

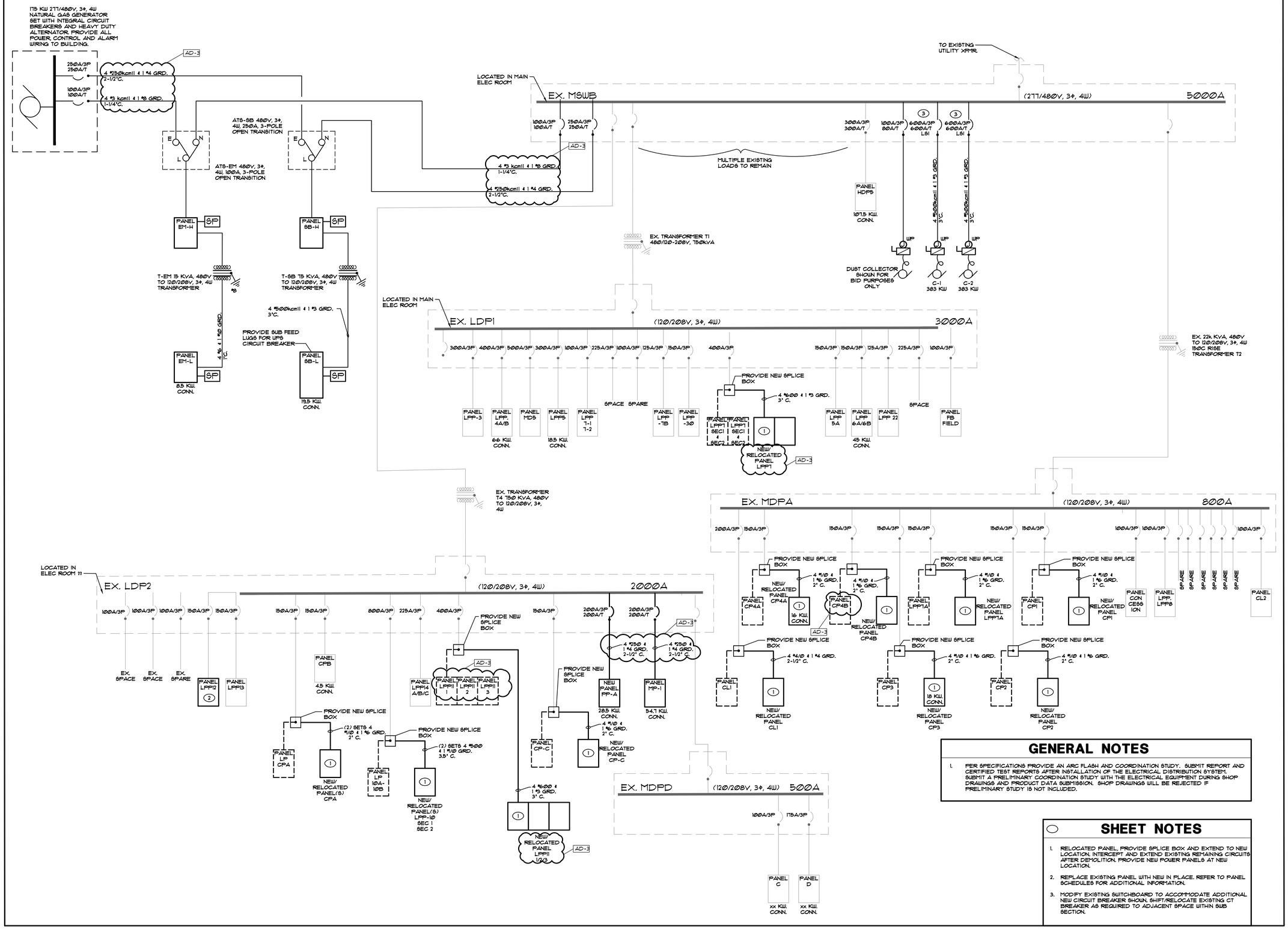
PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET F EP106

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

ELECTRICAL ONE-LINE SCHEMATIC DIAGRAM



GENERAL NOTES

1. PER SPECIFICATIONS PROVIDE AN ARC FLASH AND COORDINATION STUDY. SUBMIT REPORT AND CERTIFIED TEST REPORTS AFTER INSTALLATION OF THE ELECTRICAL DISTRIBUTION SYSTEM. SUBMIT A PRELIMINARY COORDINATION STUDY WITH THE ELECTRICAL EQUIPMENT DURING SHOP DRAWINGS AND PRODUCT DATA SUBMISSION. SHOP DRAWINGS WILL BE REJECTED IF PRELIMINARY STUDY IS NOT INCLUDED.

SHEET NOTES

1. RELOCATED PANEL, PROVIDE SPLICE BOX AND EXTEND TO NEW LOCATION. INTERCEPT AND EXTEND EXISTING REMAINING CIRCUITS AFTER DEMOLITION. PROVIDE NEW POWER PANELS AT NEW LOCATION.
2. REPLACE EXISTING PANEL WITH NEW IN PLACE. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
3. MODIFY EXISTING SWITCHBOARD TO ACCOMMODATE ADDITIONAL NEW CIRCUIT BREAKER SHOWN. SHIFT/RELOCATE EXISTING CT BREAKER AS REQUIRED TO ADJACENT SPACE WITHIN SUB SECTION.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP (219) 924-8400 www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
ELECTRICAL ONE-LINE DIAGRAM

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
E-501

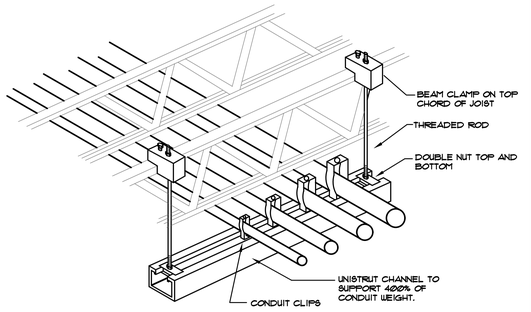
COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

LIGHTING CONTROL SYSTEM

NOTES:

1. THE LIGHTING CONTROL SYSTEM SHALL BE A LOW VOLTAGE STAND ALONE BY HUBBELL OR COOPER CONTROLS, COMPLETE WITH KEYPADS, SENSORS, POWER PACKS, EMERGENCY ACCESSORIES, ETC. SYSTEM TO BE PROVIDED WITH COMPONENTS AND ACCESSORIES AS REQUIRED TO PROVIDE FUNCTIONALITY PER THE CONTRACT DOCUMENTS AND IECC REQUIREMENTS. THE CONTRACTOR HAS THE OPTION TO USE FIXTURES WITH INTEGRATED WIRELESS MODULES, INTEGRATED OCCUPANCY SENSORS AND INTEGRATED DAYLIGHT HARVESTING SENSORS FROM THESE SPECIFIED MANUFACTURERS WHERE POSSIBLE. HOWEVER, THE FUNCTIONALITY AND COVERAGE SHALL MATCH THE SPECIFIED FUNCTIONALITY, LAYOUT AND SENSOR COVERAGE SHOWN.
2. LIGHTING CONTROL EQUIPMENT WILL BE CONSIDERED EQUAL IF THE SUBMITTED LIGHTING CONTROL SYSTEM PROVIDES FULL LIGHTING CONTROL FUNCTIONALITY AS SPECIFIED. THE SUBMITTED SYSTEM SHALL BE EQUAL IN ALL RESPECTS, THE JUDGMENT OF THE ENGINEER IS FINAL. IF THE SUBMITTED SYSTEM IS JUDGED AS NOT EQUAL TO THE SPECIFIED SYSTEM, THE SPECIFIED SYSTEM SHALL BE PROVIDED AT NO ADDITIONAL CHARGE.
3. THE SYSTEM SHALL NOT USE BATTERIES, SENSORS AND OTHER WIRELESS SYSTEM COMPONENTS SHALL BE POWERED BY THE BUILDING POWER AND SHALL NOT RELY ON BATTERIES.
4. 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.
5. 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.
6. UL924 BYPASS DEVICES SHALL BE PROVIDED FOR ALL FIXTURES WITH AN EMERGENCY SOURCE OF POWER THAT ARE 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.
8. PROVIDE 24 HOURS OF FACTORY COMMISSIONING AND 8 HOURS FACTORY TRAINING FOR THE OWNER'S BUILDING STAFF.

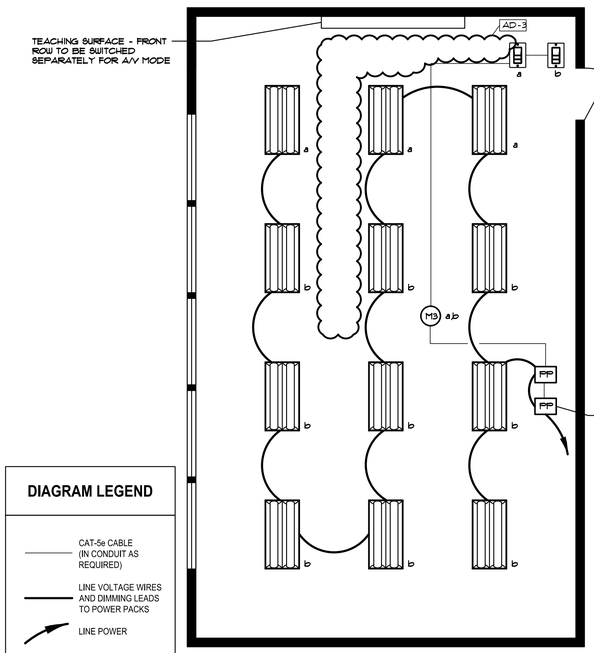
2 1/2" AND LARGER CONDUIT SUPPORT DETAIL



FIXTURE GENERAL NOTES

1. INTERIOR FIXTURES, EXTERIOR FIXTURES AND POLE FINISHES AND COLORS TO BE SELECTED BY ARCHITECT. THE ARCHITECT MAY, AT THEIR DISCRETION, CHOOSE A CUSTOM COLOR AT NO ADDITIONAL CHARGE.
2. PENDANT FIXTURES SPECIFIED ON THIS PROJECT SHALL BE CAREFULLY COORDINATED WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER AS EACH PENDANT FIXTURE IS A CUSTOM MANUFACTURED FIXTURE. PROVIDE PENDANT EMERGENCY SECTIONS AND EMERGENCY CIRCUITS AS SHOWN. COORDINATE WITH FIXTURE MANUFACTURER AND PROVIDE ADDITIONAL ACCESSORIES FOR A COMPLETE AND PROPER INSTALLATION. PROVIDE PROPER FIXTURE LENGTH, FEEDS, SINGLE AND DUAL CIRCUITING AND SUSPENSION LENGTH AS SHOWN ON DRAWINGS. PROVIDE FABRICATION DRAWINGS FOR REVIEW AS PART OF THE SHOP DRAWING SUBMITTAL PROCESS.
3. LED FIXTURES (LESS THAN 10000 LUMENS) SHALL BE PROVIDED WITH FACTORY INSTALLED INTEGRAL EMERGENCY BATTERY UNITS BATTERY UNITS SHALL PROVIDE A MINIMUM OF 1400 LUMENS.
4. FIXTURES THAT CANNOT BE PROVIDED WITH EMERGENCY BALLASTS OR FIXTURES WITH GREATER THAN 10000 LUMENS SHALL BE PROVIDED WITH EMERGENCY INVERTER (MYERS "LV SERIES OR APPROVED EQUAL) WITH SUITABLE CAPACITY TO POWER FIXTURE FOR A MINIMUM OF 90 MINUTES PER CODE. VERIFY SIZING AND REQUIREMENTS WITH CONTRACT DOCUMENTS PRIOR TO ORDERING.
5. SHADED FIXTURES SHALL HAVE AN EMERGENCY SOURCE OF POWER AS SPECIFIED.
6. EXTERIOR LIGHTING POLES SHALL BE PROVIDED WITH STRAIGHT SQUARE STEEL POLES WITH CAST BASE COVERS AND VIBRATION DAMPENERS. THE POLES SHALL BE SIZED PROPERLY TO SUPPORT FIXTURE WEIGHT AT 100 MPH WIND WITH A 1.3 GUST FACTOR. MINIMUM POLE SIZE TO BE 5" SQUARE. PROVIDE ADDITIONAL MOUNTING ACCESSORIES AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
7. FOR EXTERIOR POLE MOUNTED LIGHTING, PROVIDE FACTORY MOUNTED HOUSE SIDE SHIELDS INTEGRAL TO THE FIXTURE AS SPECIFIED. ADDITIONALLY, PROVIDE CUSTOM FABRICATED POLE MOUNTED HOUSE SIDE SHIELDING AS REQUIRED TO CONTROL LIGHT TRESPASS AND COMPLY WITH LOCAL REQUIREMENTS.
8. FIXTURES WITH EMERGENCY BATTERIES SHALL BE PROVIDED WITH CONSTANT HOT SENSING WIRE SO THAT FIXTURE CAN BE SWITCHED ON AND OFF WITHOUT ACTIVATING EMERGENCY BALLAST. UPON LOSS OF POWER, THE FIXTURE SHALL BE ILLUMINATED FOR A MINIMUM OF 90 MINUTES REGARDLESS OF THE LIGHT SWITCH POSITION. PROVIDE TEST SWITCH AND CHARGING INDICATOR FOR EMERGENCY BATTERY AS SPECIFIED.
9. CAREFULLY COORDINATE MOUNTING REQUIREMENTS FOR FIXTURES WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER. PROVIDE APPROPRIATE MOUNTING FRAMES FOR LAY-IN OR GYPSUM CEILINGS. VERIFY CEILING REQUIREMENTS WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.
10. VERIFY FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
11. VERIFY VOLTAGES OF EXISTING LIGHTING CIRCUITRY PRIOR TO ORDERING FIXTURES.
12. FOR FIXTURES INSTALLED IN CASEWORK, VERIFY FIXTURE FIT WITH CASEWORK SHOP DRAWINGS PRIOR TO ORDERING.
13. PROVIDE CUSTOM ANTI-SWAY BRACING FOR PENDANT TO ELIMINATE PENDANT MOVEMENT DUE TO AIR MOVEMENT OR ENVIRONMENTAL CAUSES.
14. COORDINATE LOCATIONS OF INTERIOR AND EXTERIOR LIGHTING FIXTURES WITH FINAL ARCHITECTURAL DRAWINGS. FIXTURES THAT ARE NOT INSTALLED IN THE CORRECT LOCATION SHALL BE RELOCATED AND REINSTALLED IN THE CORRECT LOCATION AT NO ADDITIONAL CHARGE.
15. FIXTURES SHALL BE PROVIDED WITH ESCUTCHEON PLATES AS REQUIRED TO COVER EXISTING HOLES FROM REMOVED FIXTURES, CANOPY CEILING AROUND NEW FIXTURES SHALL BE REFINISHED TO MATCH EXISTING SURROUNDING CANOPY CEILING SURFACES.
16. PROVIDE 5000K COLOR TEMPERATURE IN SPECIAL EDUCATION SPACES AS SPECIFIED.
17. FIXTURES SHALL BE CAREFULLY COORDINATED WITH MANUFACTURER TO DELIVER THE SPECIFIED PRODUCT IN SUFFICIENT TIME TO MEET PROJECT DEADLINES. EQUIPMENT DELIVERY LEAD TIME SHALL NOT BE HELD AS A VALID REASON FOR REQUESTING LUMINAIRE SUBSTITUTION UNLESS LUMINAIRE LEAD TIME FROM SPECIFIED MANUFACTURER IS IN EXCESS OF 14 WEEKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE NECESSARY EQUIPMENT LEAD TIMES, DELIVER SUBMITTALS FOR REVIEW IN A TIMELY FASHION, AND PLACE ORDERS ACCORDINGLY TO ENSURE TIMELY DELIVERY.
18. EVALUATION OF APPROVED EQUALS SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER. IF THE PRODUCT SUBMITTED DURING THE REVIEW PROCESS IS NOT JUDGED AS AN EQUAL BY THE REVIEWING ENGINEER, THE CONTRACTOR SHALL PROVIDE THE PRODUCT SPECIFIED.
19. CAREFULLY COORDINATE VOLTAGES OF FIXTURES PRIOR TO ORDERING FIXTURES.
20. CAREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.

TYPICAL ROOM LIGHTING CONTROL SYSTEM DETAIL



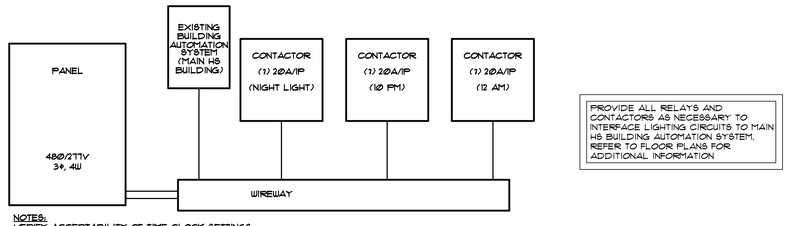
SEQUENCE OF OPERATIONS:

1. THE ROOM SHALL BE PROVIDED WITH TWO DIMMING SWITCHES, AS INDICATED ON PLANS. ONE SWITCH SHALL CONTROL THE LEVEL FOR THE FRONT A/V ROW AND THE OTHER SHALL CONTROL THE REAR GENERAL LIGHTING.
2. THE OCCUPANCY SENSORS SHALL SHUT OFF THE LIGHTING IN THE ROOM WITHIN 30 MINUTES OF THE LAST DETECTED MOTION.
3. THE ROOM SHALL BE CONFIGURED FOR MANUAL ON OPERATION. AFTER THE SENSORS TURN LIGHTING OFF, THE LIGHTING SHALL NOT TURN ON UNTIL THE WALL SWITCH IS MANUALLY ACTIVATED.
4. NOT USED. AD-3
5. THE DETAIL SHOWN IS DIAGRAMMATIC ONLY. VERIFY EXACT WIRING DETAIL WITH MANUFACTURER AND PROVIDE ADDITIONAL POWER PACKS, ACCESSORIES AND UL924 BYPASSES AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
6. UL924 BYPASSES SHALL BE PROVIDED FOR ALL EMERGENCY FIXTURES FOR PROPER CONTROL.

INTERIOR LIGHTING LUMINAIRE SCHEDULE

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
AA		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2VTL4-40L-ADP-EZI-LP840 COLUMBIA #LCAT24-40LW-G-ED1-U METALUX #2CZ2-40-UNV-L840-CD1-U	120 VOLT 0-10V DIM - -	LED 4000K, MAX 32 W MIN 4000 LM	RECESSED LAY-IN	- - - -
AA1		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #2VTL4-48L-ADP-EZI-LP840 COLUMBIA #LCAT24-40ML-G-ED1-U METALUX #2CZ2-50-UNV-L840-CD1-U	120 VOLT 0-10V DIM - -	LED 4000K, MAX 39 W MIN 4800 LM	RECESSED LAY-IN	- - - -
AB AB-DW		2' X 2' LED DIRECT/INDIRECT FIXTURE (AB-DW INDICATES RECESSED DRYWALL MOUNT)	LITHONIA #2VTL2-48L-ADP-EZI-LP840 COLUMBIA #LCAT22-40LV-G-ED1-U METALUX #2CZ2-50-UNV-L840-CD1-U	120 VOLT 0-10V DIM -	LED 4000K, MAX 39 W MIN 4800 LM	RECESSED LAY-IN OR DRYWALL	- - -
AC		4', LED INDUSTRIAL FIXTURE	LITHONIA HBLT4-32L-ADSM-GZI-LP840 OR APPROVED EQUAL	120 VOLT 0-10V DIM -	LED 4000K MIN 3000 LM MAX 24W	SURFACE	
PA		4', LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAIN	LITHONIA ACLX-L48-5000LM-SEF-RDL-MVOLT-EZI-40K-80 COLUMBIA #MP84-40HL-C-W-ED1-UMPSWG4/CSHC METALUX #6INLED-LD5-8LW-528L-UNV-L840-CD1-UWG	120 VOLT 0-10V DIM -	LED 4000K, MIN 5000 LM MAX 36W	SUSPENDED @12'-0"	COORD LOCATIONS WITH DUCTWORK PIPING
SI		4', 1x4 LED SURFACE FIXTURE	LUMEN WERX LWD0837203-04B-V1A4 OR APPROVED EQUAL	120 VOLT 0-10V DIM -	LED 4000K, MIN 3000 LM MAX 29W	SURFACE	COORDINATE MOUNTING WITH STRUCTURAL CEILING ON SPECIAL BRACKETS PROVIDED BY OTHERS
CA		LED 6" DOWNLIGHT WITH TRIM FINISH TO BE SELECTED BY ARCHITECT	LITHONIA #LDN6-40-15-L06-XX-L86-MVOLT-EZI LITEISTRY #LTR-6RD-H-8L15L-DMI-LTR-6RD-T-8L-40K8-MD-8/B24 HALO #HC615D010 / HM612840 / 6IMDHLF	120/277 VOLT 0-10V DIM - -	LED 4000K, MAX 18 W MIN 1500 LM	RECESSED GRID/GYPSUM MOUNTED -	-VERIFY TRIM FINISH WITH ARCHITECT - -
WA		LED MIRROR LIGHT	PRIMUS #RG3-3-ST-RL6-G25-48" OR APPROVED EQUAL	120V 0-10V DIM G25 LAMP	LED 2700K MAX 3.5 W MIN 1500 LM	SURFACE - -	-COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS
XA		SINGLE FACE EXIT 6" GREEN LETTERS CAST ALUM BODY, AC ONLY	LITHONIA #LE SERIES DUAL LITE #SEDG SERIES SURE LITES #CX6-1-G	MV VOLT	L.E.D. MAX 5W - -	CEILING/ WALL	-FURNISH WITH ARROWS AS REQ'D BY CODE - -
XB		DOUBLE FACE EXIT 6" GREEN LETTERS CAST ALUM BODY, AC ONLY	LITHONIA LE SERIES DUAL LITE #SEDG SERIES SURE LITES #SEL SERIES	MV VOLT	L.E.D. MAX 5W -	CEILING/ WALL	-FURNISH WITH ARROWS AS REQ'D BY CODE -
EM		FIXTURE ON EMERGENCY GENERATOR CIRCUIT WITH UL924 BYPASSES AS REQUIRED	-	MV VOLT	-	-	-
NL		CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE					

EXTERIOR LIGHTING CONTROL SEQUENCE DIAGRAM



NOTES:
VERIFY ACCEPTABILITY OF TIME CLOCK SETTINGS WITH OWNER'S REPRESENTATIVE.

EXTERIOR LIGHTING LUMINAIRE SCHEDULE

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
EA		EXTERIOR LED WALLPACK	LITHONIA #TRU-LED-P1-SRS-40K-MVOLT HUBBELL #OSPI-12L20-4KT-3-UNV-XX MCGRAW EDISON #SS SERIES	MVOLT - -	LED 2244 LM 20 W 4000K	WALL MTD 10'-0" AFG OR AS NOTED ON DWGS.	-
EB		LED 6" DOWNLIGHT WITH TRIM FINISH TO BE SELECTED BY ARCHITECT	LITHONIA #LDN6-35-15-L06-XX-L86-MVOLT-EZI LITEISTRY #LTR-6RD-H-8L15L-DMI-LTR-6RD-T-8L-40K8-MD-8 HALO #HC615D010 / HM612840 / 6IMDHLF	120/277 VOLT 0-10V DIM - -	LED 4000K MAX 18 W MIN 1500 LM	RECESSED CANOPY MOUNTED -	-VERIFY TRIM FINISH WITH ARCHITECT
EC		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, SQUARE ALUMINUM POLE	VISIONAIRE LIGHTING #BLX-11-3-T2-96LC-5-4K-UNV-MA-BZ-CLS	MVOLT - -	LED 19325 LM 157 W 4000K	POLE MTD 25'-0" AFG -	-PROVIDE 24'-6" POLE IN GRASSY AREAS AND 22'-6" POLE IN ASPHALT AREAS

WATER COOLER WIRING DETAIL

(NTS.)

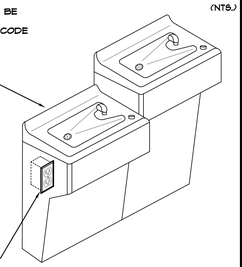
RECEPTACLE CIRCUIT SHALL BE PROVIDED WITH GFI CIRCUIT BREAKER AS REQUIRED BY CODE

DRINKING WATER COOLER

VERIFY ROUGH-IN-HEIGHT WITH APPROVED MFG. SHOP DRAWING

PLAN SYMBOL EWC

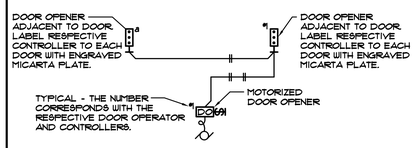
COORDINATE RECEPTACLE LOCATION PRIOR TO ROUGH-IN TO ENSURE THE RECEPTACLE IS LOCATED WITHIN THE EWC ENCLOSURE AND ACCESSIBLE FROM THE STANDARD ACCESS PANEL IN THE EWC ENCLOSURE.



O.H. DOOR OPERATOR DETAIL

N.T.S.

NOTES:
1. TYPICAL FOR ALL MOTORIZED DOOR OPERATORS IN DESIGNATED ROOM.
2. COORDINATE WITH DOOR OPERATOR MANUFACTURER AND PROVIDE ALL ELECTRICAL CONNECTIONS FOR PHOTOELECTRIC EYE, AUTOMATIC SAFETY SWITCHES, EXTERIOR REMOTE ANTENNA AND ADDITIONAL REQUIREMENTS PRIOR TO ROUGH-IN.



TYPICAL FOR OVERHEAD DOORS

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

REGISTERED DAVID G. JANVEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
ELECTRICAL DETAILS & DIAGRAMS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
E-503

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

NEW PANEL EM-L

TOTAL KW: 17.1 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: AIC | MLO(AMPS): 100
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C. | LOCATION:

	LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
	EM LTG - AREA E	20	1	608			1 2	925			20	1	EM LTG - AREA A
	EM LTG - AREA F	20	1		224		3 4		175		20	1	EXIT8 - AREA A/B/C
AD-2	REC-FACP CONN. ¶	20	1			500	5 6			950	20	1	EM LTG - AREA A
	REC-FACP-CONN-¶	20	1	500			7 8	750			20	1	EM LTG - B101-113
	EM LTG - AREA F	20	1		600		9 10		812		20	1	EM LTG - B114-141
	EM LTG - AREA G	20	1			550	11 12			924	20	1	LTG -C101-105/121-132
	EM LTG - AREA G	20	1	750			13 14	840			20	1	EM LTG -C106-120
	EXIT8 - AREA G	20	1		30		15 16		1240		20	1	EM LTG-D101-121
	EM LTG - AREA H	20	1			600	17 18			165	20	1	EXIT8-AREA D ¶ E
	EM LTG - AREA H	20	1	1200			19 20	540			20	1	EXIT8-AREA E
	EXIT8 - AREA H	20	1		30		21 22		600		20	1	EM LTG - AREA K
	EM LTG - AREA J	20	1			450	23 24			600	20	1	EM LTG - AREA K
AD-1	EXIT8 - AREA J	20	1	30			25 26	950			20	1	EM LTG - AREA K
	AUDITORIUM EM	20	1		1200		27 28						
	AUDITORIUM EM					800	29 30						
							31 32						
							33 34						
							35 36						
							37 38						
							39 40						
							41 42						
				3108	2104	2900		3515	2827	2619			

A= 6,623
B= 4,931
C= 5,919
TOTAL= 17,073

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

NEW PANEL SB-L

TOTAL KW: 19.6 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: AIC | MLO(AMPS): 100
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C. | LOCATION:

	LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
	IDF B136	30		1500			1 2	1200			20	1	T.T.B. A148
			2		1500		3 4		1500		30		MDF A148
	DATA RACK B136	20	1			1200	5 6			1500		2	
	IDF E153	30		1500			7 8	1200			20	1	DATA RACK A148
			2		1500		9 10		1200		20	1	REC-FRIDGE F-138
	DATA RACK E153	20	1			1200	11 12						
	IDF F111	30		1500			13 14						
			2		1500		15 16						
AD-1	DATA RACK F111	20	1			1200	17 18						
	ACCESS CTRL	20	1	400			19 20						
							21 22						
							23 24						
							25 26						
							27 28						
							29 30						
							31 32						
							33 34						
							35 36						
							37 38						
							39 40						
							41 42						
				4900	4500	3600		2400	2700	1500			

A= 7,300
B= 7,200
C= 5,100
TOTAL= 19,600

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

EX PANEL LPP5 SEC1

TOTAL KW: 10.6 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: AIC | MLO(AMPS): 400
FEEDER: EX | LOCATION:

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
EX LOAD	20	1				1 2				20	1	EX LOAD
TEF-G1	30	1		1920		3 4				20	1	EX LOAD
REC-G111 CONV.	20	1				5 6				20	1	EX LOAD
	20		960			7 8				20	1	EX LOAD
UV-2 - CLASS G-111				960		9 10				20	1	REC-G111 BRD./DESK
		3			960	11 12				20	1	REC-G111 CHRG CART
						13 14				20	1	EX LOAD
						15 16				20	1	EX LOAD
						17 18				20	1	EX LOAD
EX IPAD	20	1				19 20				20	1	EX LOAD
EX LOAD	20	1				21 22		960		20	1	EX LOAD
	20				960	23 24			960			UV-2 - F-114
UV-2 - F-113			960			25 26	960				3	
		3		960		27 28				20	1	EX LOAD
EX LOAD	20	1				29 30				20	1	EX LOAD
			1920	3840	1920		960	960	960			

A= 2,880
B= 4,800
C= 2,880
TOTAL= 10,560

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

EX PANEL LPP5 SEC2

TOTAL KW: 8.1 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: AIC | MLO(AMPS): 400
FEEDER: EX | LOCATION:

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
	20					1 2				30	1	EX LOAD
EX LOAD						3 4				40		EX LOAD
		3				5 6					2	
	20					7 8				20		
EX LOAD						9 10						EX LOAD
		3				11 12					3	
EX LOAD	20	1				13 14				20	1	EX LOAD
EX LOAD	20	1				15 16				20	1	EX LOAD
EX LOAD	20	1				17 18				20	1	EX LOAD
EX LOAD	20	1				19 20				20	1	EX LOAD
EX LOAD	20	1				21 22				20	1	EX LOAD
REC-G116 BRD/CTR.	20	1			700	23 24			1000	20	1	REC-F114 CHRG CART
REC-G116 FRIDGE	20	1	1200			25 26	1200			20	1	REC-F113 CONV.
REC-F114 CONV.	20	1		1200		27 28		900		20	1	REC-F113 BRD./DESK
REC-F114 BRD./DESK	20	1			900	29 30			1000	20	1	REC-F113 CHRG CART
			1200	1200	1600		1200	900	2000			

A= 2,400
B= 2,100
C= 3,600
TOTAL= 8,100

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

EX PANEL LPP6 SEC1

TOTAL KW: 21.2 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: AIC | MLO(AMPS): 225
FEEDER: EX | LOCATION:

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
	20		960			1 2	1200			20	1	REC-A136 SOUTH
UV-1 - A-135				960		3 4		1000		20	1	REC-A136 WEST
		3			960	5 6			1000	20	1	REC-A136 EAST
REC-EXT BLDG	20	1	200			7 8	800			20	1	REC-A129 CONV.
REC-A125	20	1		600		9 10		920		20	1	REC-A129 BRD./DESK
REC-A124 ABV. CTR.	20	1			400	11 12			1000	20	1	REC-A129 CHRG CART
REC-A124 FRIDGE	20	1	1200			13 14	800			20	1	REC-A130 CONV.
EX LOAD	20	1				15 16		920		20	1	REC-A130 BRD./DESK
EX LOAD	20	1				17 18			1000	20	1	REC-A130 CHRG CART
REC-A124 ABV. CTR.	20	1		400		19 20	1400			20	1	REC-A131 MWAVE
EX LOAD	20	1				21 22				20	1	EX LOAD
	30					23 24			451	20	1	LTG-A124-128/131
		2				25 26	1287			20	1	LTG-A135/136
REC-A124 MWAVE A	20	1		1400		27 28		1000		20	1	REC-A124
REC-A124 MWAVE B	20	1			1400	29 30				20	1	
			2360	3360	2760		5487	3800	3451			

A= 7,847
B= 7,160
C= 6,211
TOTAL= 21,218

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

EX PANEL LPP6 SEC2

TOTAL KW: 23.6 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: AIC | MLO(AMPS): 225
FEEDER: EX | LOCATION:

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
	20		960			1 2	960			20		
UV-1 - F-106				960		3 4		960				UV-1 - A-133
		3			960	5 6			960		3	
	20		960			7 8	960			20		
UV-1 - F-108				960		9 10		960				UV-1 - A-134
		3			960	11 12			960		3	
	20		960			13 14	1200			20	1	REC-A133 CONV.
UV-1 - A-131				960		15 16		920		20	1	REC-A133 BRD./DESK
		3			960	17 18			1000	20	1	REC-A133 CHRG CART
	20	1	384			19 20	960			20		
EX LOAD	20	1				21 22		960				UV-1 - A-130
EX LOAD	30					23 24			960		3	
		2				25 26	960			20		
EX LOAD	20	1				27 28		960				UV-1 - A-129
EX LOAD	20	1				29 30			960		3	
			3264	2880	2880		5040	4740	4840			

A= 8,304
B= 7,620
C= 7,720
TOTAL= 23,644

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

EX PANEL LPP7 SEC1

TOTAL KW: 22.5 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: **** AIC | MLO(AMPS): 400
FEEDER: EX | LOCATION:

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
REC-A137 TV8	20	1	1200			1 2	1200			20	1	REC-A155 TV8/DESK
REC-A137/45 CONV	20	1		800		3 4		600		20	1	REC-A155
REC-A137 DESK	20	1			1200	5 6			1200	20	1	REC-A153
REC-A138	20	1	1200			7 8	1200			20	1	REC-A151
REC-A139 CONV.	20	1		1000		9 10		1200		20	1	REC-A154
REC-A139 CTR8.	20	1			800	11 12				20	1	EX LOAD
REC-A138 TV/TABLE	20	1	1200			13 14	1200			20	1	REC-A152
REC-A138 CONV.	20	1		600		15 16		600		20	1	REC-A141 TABLE
REC-A137	20	1			1200	17 18			800	20	1	REC-A141 CONV
REC-A148-150 CONV.	20	1	1000			19 20	1308			20	1	LTG-A146-159
REC-A136 PRINTER	20	1		1200		21 22				20	1	EX LOAD
REC-A136	20	1			800	23 24				20	1	EX LOAD
EX LOAD	20	1				25 26	1008			20	1	LTG-A143/144/137/138
EX LOAD	20	1				27 28				20	1	
EX LOAD	20	1				29 30				20	1	EX LOAD
			4600	3600	4000		5316	2400	2000			

A= 10,516
B= 6,000
C= 6,000
TOTAL= 22,516

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

EX PANEL LPP7A SEC2

TOTAL KW: 13.9 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: **** AIC | MLO(AMPS): 225
FEEDER: EX | LOCATION:

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
EX LOAD	20	1				1 2				20	1	EX LOAD
EX LOAD	20	1				3 4				20	1	EX LOAD
	20	1				5 6				20	1	EX LOAD
EX LOAD	20	1				7 8				20	1	EX LOAD
	20	1				9 10		1200		20	1	REC-B112A
EX LOAD	20	1				11 12				20	1	EX LOAD
REC-A146 CONV.	20	1	1200			13 14	1200			20	1	REC-A144 CONV.
REC-A146 BRD./DESK	20	1		900		15 16		900		20	1	REC-A144 BRD./DESK
REC-A146 CHRG CART	20	1			1000	17 18			1000	20	1	REC-A144CHRG CART
REC-A143CONV.	20	1	1200			19 20				20	1	
REC-A143 BRD./DESK	20	1		900		21 22				20	1	
REC-A143 CHRG CART	20	1			1000	23 24				20	1	
REC-B112A MWAVE	20	1	1400			25 26				20	1	EX LOAD
REC-B112A	20	1		600		27 28		1400		20	1	REC-B112 MWAVE
EX LOAD	20	1				29 30				20	1	
			3800	2400	2000		1200	3500	1000			

A= 5,000
B= 5,900
C= 3,000
TOTAL= 13,900

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

EX PANEL LPP10 SEC1

TOTAL KW: 0.0 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: **** AIC | MLO(AMPS): 800
FEEDER: EX | LOCATION:

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
EX LOAD	20	1				1 2				20	1	EX LOAD
EX LOAD	20	1				3 4				20	1	EX LOAD
EX LOAD	20	1				5 6				20	1	EX LOAD
EX LOAD	20	1				7 8				20	1	EX LOAD
EX LOAD	20	1				9 10				20	1	EX LOAD
EX LOAD	20	1				11 12				20	1	EX LOAD
EX LOAD	20	1				13 14				20	1	EX LOAD
EX LOAD	20	1				15 16				20	1	EX LOAD
	15					17 18				20	1	EX LOAD
EX LOAD						19 20				15		
		3				21 22						8PARE
	15					23 24					3	
EX LOAD						25 26				15		
		3				27 28						8PARE
	15					29 30					3	
EX LOAD						31 32				15		
		3				33 34						8PARE
	X	X				35 36					3	
	100					37 38				15		
EX LOAD						39 40						8PARE
		3				41 42					3	
			0	0	0		0	0	0			

A= 0
B= 0
C= 0
TOTAL= 0

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

EX PANEL LPP10 SEC2

TOTAL KW: 28.0 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: **** AIC | MLO(AMPS): 300
FEEDER: EX | LOCATION:

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
EX LOAD	20	1				1 2				20	1	EX LOAD
TEF-E2	30	1		1920		3 4				20	1	
REC-E107 S. CONV.	20	1			1200	5 6				20	1	EX LOAD
REC-E107 N. CONV.	20	1	1000			7 8				20	1	EX LOAD
REC-E107 REEL CRDS	20	1		1200		9 10				100		EX LOAD
REC-E107 PLANER	35				2912	11 12					2	
		2	2912			13 14				30		
EX LOAD	20	1				15 16						EX LOAD
EX LOAD	20	1				17 18					3	
EX LOAD	20	1				19 20	928			20	1	BUILD TRADES LTG
EX LOAD	20	1				21 22		1088		20	1	
	20	1				23 24				20	1	
			1802			25 26				20	1	
BAND SAW				1802		27 28				20	1	EX LOAD
		3			1802	29 30				20	1	
TABLE SAW	20	1	1680			31 32				20	1	
TABLE SAW	20	1		1680		33 34				20	1	
DRILL PRESS	30	1			1800	35 36				100		
MITER SAW	20	1	1800			37 38						BUSS DUCT
SANDER	25			1248		39 40						MAIN
		2			1248	41 42					4	
			5134	7850	8962		928	1088	0			

A= 10,122
B= 8,938
C= 8,962
TOTAL= 28,022

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

EX PANEL LPP11 SEC1

TOTAL KW: 8.3 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: **** AIC | MLO(AMPS): 400
FEEDER: EX | LOCATION:

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
EX LOAD	20	1				1 2	1920			30	1	TEF-B1
EX LOAD	20	1				3 4		528		20	1	TEF-B2
EX LOAD	20	1				5 6			696	20	1	GEF-D1
EX LOAD	20	1				7 8	1920			30	1	GEF-D2
EX LOAD	20	1				9 10		1248		20	1	LTG- B114-119
EX LOAD	20	1				11 12			938	20	1	LTG-B115/120/121/129
EX LOAD	20	1				13 14	1077			20	1	LTG-B122-124/131-137
EX LOAD	20	1				15 16				20	1	LTG-D104/105
EX LOAD	20	1				17 18				20	1	EX LOAD
EX LOAD	20	1				19 20				20	1	EX LOAD
EX LOAD	20	1				21 22				20	1	EX LOAD
EX LOAD	20	1				23 24				20	1	EX LOAD
EX LOAD	20	1				25 26				100		
EX LOAD	20	1				27 28						EX LOAD
EX LOAD	20	1				29 30					3	
EX LOAD	20	1				31 32				20	1	EX LOAD
EX LOAD	20	1				33 34				20	1	EX LOAD
EX LOAD	20	1				35 36				20	1	EX LOAD
EX LOAD	20	1				37 38				20	1	EX LOAD
EX LOAD	20	1				39 40				20	1	EX LOAD
EX LOAD	20	1				41 42				20	1	EX LOAD
			0	0	0		4917	1776	1634			

A= 4,917
B= 1,776
C= 1,634
TOTAL= 8,327

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

EX PANEL LPP11 SEC2

TOTAL KW: 34.2 | ENCLOSURE: NEMA-1 | PHASE: 3φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: **** AIC | MLO(AMPS): 400
FEEDER: EX | LOCATION:

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
EX LOAD	125					1 2	800			20	1	REC-B131 CONV.
		2				3 4		1000		20	1	REC-B137 ABV. CTR
EX LOAD	125					5 6			800	20	1	REC-B137 TABLE
		2				7 8	1000			20	1	REC-B135/136 CONV.
EX LOAD	125					9 10		1000		20	1	REC-B135 ABV. CTR
		2				11 12			1000	20	1	REC-128-129/132
REC-B121 CONV.	20	1	1200			13 14	800			20	1	REC-B131
REC-B121 BRD./DESK	20	1		900		15 16		1000		20	1	REC-B130
REC-B121 CHRG CART	20	1			1000	17 18			1000	20	1	REC-114/115/122/124
REC-B121 EWC	20	1	1000			19 20	800			20	1	B123 WASH FTN8
REC-B119 CONV.	20	1		1200		21 22		400		20	1	REC-EXT BLDG.
REC-B119 BRD./DESK	20	1			900	23 24			1000	20	1	REC-B120 EWC
REC-B119 CHRG CART	20	1	1000			25 26	1200			20	1	REC-B120 CONV.
REC-B119 EWC	20	1		1000		27 28		900		20	1	REC-B120 BRD./DESK
REC-B117 EWC	20	1			1000	29 30			1000	20	1	REC-B120 CHRG CART
REC-B117 CONV.	20	1	1200			31 32	1200			20	1	REC-B118 CONV.
REC-B117 BRD./DESK	20	1		900		33 34		900		20	1	REC-B118 BRD./DESK
REC-B117 CHRG CART	20	1			1000	35 36			1000	20	1	REC-B118 CHRG CART
REC-B116 CONV.	20	1	1200			37 38	1000			20	1	REC-B118 EWC
REC-B116 BRD./DESK	20	1		900		39 40		1000		20	1	REC-B116 EWC
REC-B116 CHRG CART	20	1			1000	41 42				20	1	EX LOAD
			5600	4300	4900		6800	6200	5800			

A= 12,400
B= 11,100
C= 10,700
TOTAL= 34,200

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP
(317) 924-5400
www.milliesengineeringgroup.com

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS
HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/09/21	ADDENDUM NO. 1
AD-2	04/16/21	ADDENDUM NO. 2
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
ELECTRICAL SCHEDULES

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
E-603

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

EX PANEL LPP11 SEC2

TOTAL KW: 34.2 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: **** AIC | MLO(AMPS): 400
FEEDER: EX | LOCATION:

C/B LOAD DESCRIPTION	TRIP	POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
EX LOAD	125					1	2	800		20	1	REC-B137 CONV.
		2				3	4		1000	20	1	REC-B137 ABV. CTR
EX LOAD	125					5	6			20	1	REC-B137 TABLE
		2				7	8	1000		20	1	REC-B135/136 CONV.
EX LOAD	125					9	10		1000	20	1	REC-B135 ABV. CTR
		2				11	12			20	1	REC-123-129/132
REC-B121 CONV.	20	1	1200			13	14	800		20	1	REC-B131
REC-B121 BRD/DESK	20	1		900		15	16		1000	20	1	REC-B130
REC-B121 CHRG CART	20	1			1000	17	18		1000	20	1	REC-114/115/122/124
REC-B121 EWC	20	1	1000			19	20	800		20	1	B123 WASH FTNS
REC-B119 CONV.	20	1		1200		21	22		400	20	1	REC-EXT BLDG.
REC-B119 BRD/DESK	20	1			900	23	24		1000	20	1	REC-B120 EWC
REC-B119 CHRG CART	20	1	1000			25	26	1200		20	1	REC-B120 CONV.
REC-B119 EWC	20	1		1000		27	28		900	20	1	REC-B120 BRD/DESK
REC-B117 EWC	20	1			1000	29	30			20	1	REC-B120 CHRG CART
REC-B117 CONV.	20	1	1200			31	32	1200		20	1	REC-B118 CONV.
REC-B117 BRD/DESK	20	1		900		33	34		900	20	1	REC-B118 BRD/DESK
REC-B117 CHRG CART	20	1			1000	35	36			20	1	REC-B118 CHRG CART
REC-B116 CONV.	20	1	1200			37	38	1000		20	1	REC-B116 EWC
REC-B116 BRD/DESK	20	1		900		39	40		1000	20	1	REC-B116 EWC
REC-B116 CHRG CART	20	1			1000	41	42			20	1	EX LOAD
			5600	4900	4900			6800	6200	5800		

A= 12,400
B= 11,100
C= 10,700
TOTAL= 34,200

NOTE: REFER TO GENERAL NOTE "B"
FOR ADDITIONAL INFORMATION

EX PANEL CPB

TOTAL KW: 4.5 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: AIC | MLO(AMPS): 100
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C. | LOCATION:

C/B LOAD DESCRIPTION	TRIP	POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
EX LOAD						1	2					EX LOAD
EX LOAD						3	4					EX LOAD
EX LOAD						5	6					EX LOAD
EX LOAD						7	8					EX LOAD
EX LOAD						9	10					EX LOAD
EX LOAD						11	12					EX LOAD
EX LOAD						13	14					EX LOAD
EX LOAD						15	16					EX LOAD
EX LOAD						17	18					EX LOAD
EX LOAD						19	20					EX LOAD
EX LOAD						21	22					EX LOAD
EX LOAD						23	24					EX LOAD
EX LOAD						25	26					EX LOAD
EX LOAD						27	28					EX LOAD
EX LOAD						29	30					EX LOAD
EX LOAD						31	32					EX LOAD
EX LOAD						33	34					EX LOAD
REC-C126 CONV. A	20	1			1200	35	36					EX LOAD
REC-C126 CONV. B	20	1	1000			37	38					EX LOAD
REC-C126 DESK/BRD.	20	1		1100		39	40					EX LOAD
REC-C126 CONV. C	20	1			1200	41	42					EX LOAD
			1000	1100	2400			0	0	0		

A= 1,000
B= 1,100
C= 2,400
TOTAL= 4,500

NOTE: REFER TO GENERAL NOTE "B"
FOR ADDITIONAL INFORMATION

EX PANEL LPP14 SEC1

TOTAL KW: 24.3 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: **** AIC | MLO(AMPS): 225
FEEDER: EX | LOCATION:

C/B LOAD DESCRIPTION	TRIP	POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
EX LOAD	20	1				1	2			20	1	EX LOAD
GEF-C1	20	1		1176		3	4			20	1	EX LOAD
REC-C104/122/127/128	20	1			800	5	6			20	1	EX LOAD
REC-B141 CONV.	20	1	1200			7	8			20	1	EX LOAD
REC-B141 BRD/DESK	20	1		900		9	10			20	1	EX LOAD
REC-B141CHRG CART	20	1			1000	11	12		900	20	1	REC-C103 BRD/DESK
REC-B140 CONV.	20	1	1200			13	14	1000		20	1	REC-C103 FLR/CONV.
REC-B140 BRD/DESK	20	1		900		15	16		1200	20	1	REC-C103 EAST
REC-B140CHRG CART	20	1			1000	17	18		1000	20	1	REC-C103 SOUTHEAST
REC-A105 CONV.	20	1	1200			19	20	1200		20	1	REC-C103 PRINTERS
REC-A105 BRD/DESK	20	1		900		21	22		1200	20	1	REC-C103 SOUTHWEST
REC-A105 CHRG CART	20	1			1000	23	24		1000	20	1	REC-C103 WEST
REC-C102 CONV.	20	1	1200			25	26			100		
REC-C102 BRD/DESK	20	1		900		27	28					EX LOAD
REC-C102 CHRG CART	20	1			1000	29	30				3	
REC RM 624	20	1				31	32	1200		20	1	REC-C130 NORTH
EX LOAD	20	1				33	34			20	1	EX LOAD
EX LOAD	20	1				35	36			20	1	EX LOAD
EX LOAD	20	1				37	38	1200		20	1	REC-C130 SOUTH
EX LOAD	20	1				39	40			20	1	EX LOAD
EX LOAD	20	1				41	42			20	1	EX LOAD
			4800	4776	4800			4600	2400	2900		

A= 9,400
B= 7,176
C= 7,700
TOTAL= 24,276

NOTE: REFER TO GENERAL NOTE "B"
FOR ADDITIONAL INFORMATION

EX PANEL LPP14 SEC2

TOTAL KW: 9.4 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: **** AIC | MLO(AMPS): 225
FEEDER: EX | LOCATION:

C/B LOAD DESCRIPTION	TRIP	POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
EX LOAD	125					1	2			20	1	EX LOAD
		2				3	4			20	1	EX LOAD
EX LOAD	125					5	6			20	1	EX LOAD
		2				7	8			20	1	EX LOAD
EX LOAD	125					9	10			20	1	EX LOAD
		2				11	12			20	1	EX LOAD
EX LOAD	20	1				13	14			20	1	EX LOAD
EX LOAD	20	1				15	16			20	1	EX LOAD
EX LOAD	20	1				17	18			20	1	EX LOAD
EX LOAD	20	1				19	20			20	1	EX LOAD
EX LOAD	20	1				21	22			20	1	EX LOAD
EX LOAD	20	1				23	24		1200	20	1	REC-WASHER C127
EX LOAD	20	1				25	26	1200		20	1	REC-B139 CONV.
EX LOAD	20	1				27	28		900	20	1	REC-B139 BRD/DESK
EX LOAD	20	1				29	30		1000	20	1	REC-B139 CHRG CART
EX LOAD	20	1				31	32	1200		20	1	REC-B139 CONV.
EX LOAD	20	1				33	34		900	20	1	REC-B139 BRD/DESK
EX LOAD	20	1				35	36		1000	20	1	REC-B139 CHRG CART
EX LOAD	20	1				37	38	1000		20		REC-DRYER C127
EX LOAD	20	1				39	40		1000		2	
EX LOAD	20	1				41	42			20	1	EX LOAD
			0	0	0			3400	2800	3200		

A= 3,400
B= 2,800
C= 3,200
TOTAL= 9,400

NOTE: REFER TO GENERAL NOTE "B"
FOR ADDITIONAL INFORMATION

EX PANEL LPP11 SEC3

TOTAL KW: 30.0 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: AIC | MLO(AMPS): 225
FEEDER: EX | LOCATION:

C/B LOAD DESCRIPTION	TRIP	POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
REC-D102 SOUTH	20	1	1200			1	2			20	1	EX LOAD
REC-D102 SOUTHEAST	20	1		1200		3	4			20	1	EX LOAD
REC-D102 NORTHEAST	20	1			800	5	6			20	1	EX LOAD
REC-D102 WEST	20	1	1200			7	8			20	1	EX LOAD
REC-D102 BRD/DESK	20	1		900		9	10			20	1	EX LOAD
D106 KILN	20				1000	11	12			20	1	EX LOAD
		2	1000			13	14			20	1	EX LOAD
REC-D105 BRD./DESK	20	1		900		15	16			20	1	EX LOAD
REC-D104 DESK/PRINT	20	1			600	17	18		1319	20	1	LTG-C102-105
REC-D104 CONV.	20	1	800			19	20	3000		35		
REC-D104 EQUIP A	20	1		1200		21	22		3000			D104 HEAT FREE86
REC-D104 EQUIP B	20	1			1200	23	24		3000		3	
	20	1				25	26	1567		20		D104 SOLVENT PRINT
	20	1				27	28		1516		2	
	20	1				29	30			1024	20	1	LTG-C121/122/126-130
EX LOAD	40					31	32				40		EX LOAD
		2				33	34					2	
EX LOAD	20	1				35	36			928	20	1	LTG-D102/104/C102
EX LOAD	20	1				37	38	1272			15	1	FC-1 B134
EX LOAD	20	1				39	40		1272		15	1	FC-1 B115
EX LOAD	20	1				41	42				20	1	
			4200	4200	3600			5839	5848	6271		

A= 10,039
B= 10,048
C= 9,871
TOTAL= 29,958

NOTE: REFER TO GENERAL NOTE "B"
FOR ADDITIONAL INFORMATION

EX PANEL LPP12

TOTAL KW: 27.6 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: **** AIC | MLO(AMPS): 225
FEEDER: EX | LOCATION:

C/B LOAD DESCRIPTION	TRIP	POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
TEF-E1	20	1	864			1	2			20	1	
	20	1				3	4			20	1	
	20	1				5	6			20	1	
	20	1				7	8			20	1	
	20	1				9	10			20	1	
	20	1				11	12			20	1	
EX LOAD	20	1				13	14			20	1	
EX LOAD	20	1				15	16			20	1	EX LOAD
EX LOAD	20	1				17	18			20	1	EX LOAD
	30	1				19	20			20	1	EX LOAD
	100					21	22			20	1	EX LOAD
		2				23	24			20	1	EX LOAD
	15					25	26			15		
		3				27	28				3	
	15					31	32			15		
		3				33	34				3	
	20	1				37	38			15		
	20	1				39	40					
	20	1				41	42				3	
	60		3363			43	44	1000		20	1	REC-E111
CAR LIFT A				3363		45	46		800	20	1	REC-E112-E115
		3			3363	47	48			900	20	1	REC-E117 BRD/DESK
	60		3363			49	50	1288		20	1	MECH AREA LTG
CAR LIFT B				3363		51	52			20	1	
		3			3363	53	54			20	1	
DOOR OPENER	20	1	1200			55	56			20	1	
REC-E116 S. CONV.	20	1		800		57	58			20	1	
REC-E116 N. CONV.	20	1			600	59	60			20	1	
			8780	7526	7326			2288	800	900		

A= 11,078
B= 8,326
C= 8,226
TOTAL= 27,630

NOTE: REFER TO GENERAL NOTE "B"
FOR ADDITIONAL INFORMATION

NEW PANEL EM-H

TOTAL KW: 15.1 | ENCLOSURE: | PHASE: 3Φ | VOLTAGE: 277 / 480
MOUNTING: | BUSSING: | FAULT CURRENT RATING: AIC | MCB(AMPS): 100
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C. | LOCATION:

C/B LOAD DESCRIPTION	TRIP	POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
	25		6,623			1	2			30		
15 KVA T-EM XFMR				3,731		3	4					8P
		3			4,719	5	6				3	
SPACE						7	8					SPACE
SPACE						9	10					SPACE
SPACE						11	12					SPACE
SPACE						13	14					SPACE
SPACE						15	16					SPACE
SPACE						17	18					SPACE
SPACE						19	20					SPACE
SPACE						21	22					SPACE
SPACE						23	24					SPACE
SPACE						25	26					SPACE
SPACE						27	28					SPACE
SPACE						29	30					SPACE
SPACE						31	32					SPACE
SPACE						33	34					SPACE
SPACE						35	36					SPACE
SPACE						37	38					SPACE
SPACE						39	40					SPACE
SPACE						41	42					SPACE
			6623	3731	4719			0	0	0		

A= 6,623
B= 3,731
C= 4,719
TOTAL= 15,073

NOTE: REFER TO GENERAL NOTE "B"
FOR ADDITIONAL INFORMATION

NEW PANEL SB-H

TOTAL KW: 19.6 | ENCLOSURE: | PHASE: 3Φ | VOLTAGE: 277 / 480
MOUNTING: | BUSSING: | FAULT CURRENT RATING: AIC | MCB(AMPS): 100
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C. | LOCATION:

C/B LOAD DESCRIPTION	TRIP	POLE	LOAD A	LOAD B	LOAD C	CCT. NO.	LOAD A	LOAD B	LOAD C	C/B TRIP	C/B POLE	LOAD DESCRIPTION
	125		7,300			1	2			30		
15 KVA T-SB XFMR				7,200		3	4					8P
		3			5,100	5	6				3	
SPACE						7	8					SPACE
SPACE						9	10					SPACE
SPACE						11	12					SPACE
SPACE						13	14					SPACE
SPACE						15	16					SPACE
SPACE						17	18					SPACE
SPACE						19	20					SPACE
SPACE						21	22					SPACE
SPACE						23	24					SPACE
SPACE						25	26					SPACE
SPACE						27	28					SPACE
SPACE						29	30					SPACE
SPACE						31	32					SPACE
SPACE						33	34					SPACE
SPACE						35	36					SPACE
SPACE						37	38					SPACE
SPACE						39	40					SPACE
SPACE						41	42					SPACE
			7300	7200	5100			0	0	0		

A= 7,300
B= 7,200
C= 5,100
TOTAL= 19,600

NOTE: REFER TO GENERAL NOTE "B"
FOR ADDITIONAL INFORMATION

AD-3

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES
ENGINEERING GROUP
(317) 924-8400
www.milliesengineeringgroup.com

PROJECT

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY JC
DRAWN BY CC, GL, AG
CHECKED BY DJ

DAVID G. JANNEY
REGISTERED
NO. 10302590
STATE OF INDIANA
PROFESSIONAL ENGINEER

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR REFERENCE AND INFORMATION IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM NO. 3

DRAWING
ELECTRICAL SCHEDULES

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
E-604

COPYRIGHT © 2021 MILLIES ENGINEERING GROUP

GENERAL NOTES:

1) NOTHING SET FORTH IN THESE DRAWINGS SHALL RELEASE ANY CONTRACTOR FROM HIS RESPONSIBILITY TO PROVIDE APPROPRIATE QUANTITIES, FIELD MEASUREMENTS, DIMENSIONAL STABILITY, INSTALLATION, ANCHORAGE, AND COORDINATION WITH OTHER TRADES; OR RELEASE HIM FROM HIS RESPONSIBILITY TO IDENTIFY AND RESOLVE DEVIATIONS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, OR FREE HIM OF HIS RESPONSIBILITY TO ALERT DESIGNER TO ERRORS OR OMISSIONS.

2) CONTRACTOR SHALL UTILIZE THESE DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS TO DETERMINE THE FULL SCOPE, INTENT AND REQUIREMENTS OF THE PROJECT. SPECIFICATIONS AND DRAWINGS ARE INTENDED TO BE COMPLEMENTARY, NOT MUTUALLY EXCLUSIVE. WORK SHOWN ON THE DRAWINGS BUT NOT LISTED IN THE SPECIFICATIONS, AND WORK DESCRIBED IN THE SPECIFICATIONS BUT NOT SHOWN ON THE DRAWINGS SHALL BE INTERPRETED AS THOUGH WORK WERE FULLY DESCRIBED IN BOTH PLACES. THE HIGHER QUANTITY, HIGHER QUALITY, MORE LABOR INTENSIVE AND OVERALL MORE STRINGENT AND MORE COSTLY REQUIREMENT SHALL APPLY UNLESS OTHERWISE CLARIFIED IN WRITING PRIOR TO BID.

3) EACH CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING APPLICABLE CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS AND AS PERTINENT TO THE INTENT OF THESE DRAWINGS. ANY DISCREPANCY DISCOVERED SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER PRIOR TO THE COMMENCEMENT OF ANY WORK AFFECTED BY, OR RELATED TO, SUCH DISCREPANCY. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH, OR CAUSED BY HIS FAILURE TO COMPLY WITH THIS REQUIREMENT.

4) EACH CONTRACTOR SHALL REVIEW ALL PORTIONS OF HIS WORK, BEFORE STARTING THE WORK, TO VERIFY THAT THE WORK WILL NOT PROHIBIT COMPLETION OF THE PROJECT AS INTENDED IN THESE CONSTRUCTION DOCUMENTS. ALL QUESTIONS SHALL BE REFERRED TO THE DESIGNER FOR RESOLUTION.

5) FOR COORDINATION PURPOSES, OCCASSIONALLY AN ITEM OF WORK WILL BE SHOWN ON THE "E" SERIES DRAWINGS AND THE "T" SERIES DRAWINGS. IN ADDITION, THE SAME WORK MAY BE INCLUDED ON MULTIPLE T SERIES DETAIL SHEETS FOR SIMILAR REASONS. REQUEST A CLARIFICATION FOR ANY ITEMS THAT APPEAR UNCLEAR AS TO QUANTITY OR CONTRACT RESPONSIBILITY. EXAMPLE: ELECRICAL DEVICES ARE SHOWN ON T SERIES DETAIL SHEETS FOR COORDINATION AND SPACING PURPOSES; THE ELECTRICAL OUTLETS AND POWER EQUIPMENT IS THE RESPONSIBILITY OF DIVISION 26. LIKEWISE, SOME TELECOMMUNICATIONS CONDUITS APPEAR ON E SERIES SHEETS FOR SPACE COORDINATION; TELECOMMUNICATIONS PATHWAY AND SPACES ARE COVERED UNDER DIVISION 27.

6) CONTRACTOR SHALL BE RESPONSIBLE FOR JOB CLEANLINESS. PROJECT AREAS SHALL BE THOROUGHLY CLEANED AND TRASH DISPOSED OF AT THE END OF EACH WORK DAY. OWNER'S FACILITIES SHALL NOT BE USED FOR WASTE DISPOSAL.

7) PROVIDE DUST PROTECTION FOR FINISHED WORK. SEAL EQUIPMENT BY PROVIDING DUST-PROOF BARRIERS AS REQUIRED.

8) PROVIDE DUST PROTECTION WHEN WORKING IN EXISTING FACILITIES. SEAL OFF ALL WORK AREAS FROM REMAINDER OF THE EXISTING FACILITY TO RETAIN ALL CONSTRUCTION DIRT AND DUST. SEAL EXISTING DOORS WITH TAPE AND PROVIDE DUST-PROOF BARRIERS AS REQUIRED.

9) THE SEQUENCE OF WORK SHALL BE AS DETERMINED BY THE CONSTRUCTION MANAGER. REFER TO THE PROJECT MANUAL FOR FURTHER REQUIREMENTS.

10) ALL WORK SHALL BE SEQUENCED TO PROVIDE FOR THE OWNER'S CONTINUED USE OF THE EXISTING FACILITY WHEN REQUIRED. OWNER'S ACCESS, EGRESS AND SAFETY SHALL BE MAINTAINED BY EACH CONTRACTOR. THE SEQUENCE OF WORK SHALL BE AS DETERMINED BY THE CONSTRUCTION MANAGER. REFER TO THE PROJECT MANUAL FOR FURTHER REQUIREMENTS.

11) CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL SURFACES AND FINISHES IN THE INTERIOR OR EXTERIOR OF THE FACILITY. DAMAGED SURFACES OR FINISHES RESULTING FROM THE PERFORMANCE OF THE WORK OR NEGLIGENCE SHALL BE REPAIRED AT NO COST TO THE OWNER BY THE RESPONSIBLE CONTRACTOR. FINISHES AND SURFACES SHALL BE MADE TO MATCH THE EXISTING FINISHES OR SURFACES TO THE SATISFACTION OF THE OWNER AND ARCHITECT/CONSTRUCTION MANAGER.

12) CONTRACTOR SHALL FIELD VERIFY ALL EXISTING APPLICABLE CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS. AS PERTAINS TO THE INTENT OF THESE DRAWINGS, CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ARCHITECT AND DESIGNER ANY DISCREPANCIES DISCOVERED PRIOR TO THE COMMENCEMENT OF ANY WORK AFFECTED BY OR RELATED TO SUCH DISCREPANCY. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH OR CAUSED BY THAT CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.

13) "TECHNOLOGY" CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE FRONT END DOCUMENTS OF THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING. ALL PHASING QUESTIONS SHALL BE ADDRESSED PRIOR TO THE CONTRACTOR'S BID SUBMISSION.

(14) WHERE A TELECOMMUNICATIONS OUTLET LOCATION IS ADJACENT TO AN ELECTRICAL OUTLET, THE MOUNTING HEIGHT WILL BE THE SAME FOR EACH. WHERE MULTIPLE TELECOMMUNICATIONS ARE ADJACENT (SUCH AS TELECOMMUNICATIONS AND SOUND DEVICES, FACEPLATES SHALL BE COORDINATED TO THE SAME TYPE AND COLOR AND MOUNTED AT THE SAME HEIGHT.

CABLE INSTALLATION NOTES:

1) ALL INSTALLED CABLING SHALL BE CONTINUOUS AND WITHOUT SPLICES, EXCEPT WHERE OTHERWISE NOTE.

2) THE COLORS OF CABLING USED FOR ALL COMMUNICATIONS TECHNOLOGY WORK SHALL BE REVIEWED AND APPROVED PRIOR TO PROCUREMENT AND INSTALLATION.

4) LADDER RACK AND OTHER COMMUNICATION TECHNOLOGY CABLING PATHWAYS DEPICTED ON THE ENLARGED FLOOR PLANS SHALL BE PROVIDED AS INDICATED. ADDITIONAL PRODUCTS NECESSARY FOR PROFESSIONAL WIRE MANAGEMENT WITHIN THE MAIN EQUIPMENT ROOM <ER> AND ALL TELECOMMUNICATION ROOMS <TR> SHALL BE ALSO BE PROVIDED AS NECESSARY.

5) PLENUM CABLE REQUIRED IN SPACES DESIGNED FOR RETURN AIR TRANSMISSION. ALL PROVIDED CABLE THAT WILL NOT BE INSTALLED IN A FULLY ENCLOSED METALLIC CONDUIT, WITHIN THE AIR SPACE, SHALL BE RATED FOR INSTALLATION WITHIN A RETURN AIR PLENUM.

6) THE CONTRACTOR SHALL THOROUGHLY REVIEW THE SPECIFIED ROUGH-IN TO ENSURE THAT IT WILL SUPPORT THE CABLING AND DEVICES TO BE SUPPLIED. REVIEW AND COORDINATION SHALL OCCUR PRIOR TO THE INSTALLATION OF ROUGH-IN.CABLE CONSTRUCTION OPTIONS ARE AVAILABLE TO FIT MOST ENVIRONMENTS. IN DETERMINING THE PROPER CABLE CONSTRUCTION AND INSTALLATION METHOD, UTILIZE THE FOLLOWING GUIDELINES.

7) THE FOLLOWING ARE PRE-APPROVED GUIDELINES FOR SELECTION OF CONSTRUCTION TYPE AND INSTALLATION METHOD; ANY DEVIATION FROM THESE GUIDELINES SHALL REQUIRE CONSULTANT'S APPROVAL PRIOR TO WORK BEING PERFORMED.

A) INDOOR CABLES

1) COPPER CABLES UTILIZED INSIDE CLOSED CONDUIT SYSTEMS SHALL HAVE A MINIMUM OF A "RISER" (UL) RATING.

2) COPPER CABLES USED IN INDOOR PATHWAYS SUCH AS J-HOOKS, LADDER RACK, CABLE TRAY, ETC., SHALL HAVE A MINIMUM OF A "RISER" (UL) RATING. IF ANY PORTION OF THE CABLE(S) PASSES THROUGH A SPACE DEFINED AS A "PLENUM" AIR SPACE, THE CABLE(S) SHALL HAVE A MINIMUM "PLENUM" RATING (UL).

3) FIBER OPTIC CABLES UTILIZED INSIDE CLOSED CONDUIT SYSTEMS SHALL HAVE A MINIMUM OF A "RISER" (UL) RATING. INNER-DUCT (TUBULAR OR TEXTILE) SHALL BE UTILIZED FOR CONDUITS LARGER THAN 3" TRADE SIZE.

4) FIBER OPTIC CABLES USED IN INDOOR PATHWAYS SUCH AS J-HOOKS, LADDER RACK, CABLE TRAY, ETC., SHALL HAVE A MINIMUM OF A "RISER" (UL) RATING. IF ANY PORTION OF THE CABLE(S) PASSES THROUGH A SPACE DEFINED AS A "PLENUM" AIR SPACE, THE CABLE(S) SHALL HAVE A MINIMUM "PLENUM" RATING (UL). FIBER OPTIC CABLES SHALL BE INSTALLED WITHIN A TUBULAR INNER-DUCT CARRYING THE SAME RATING AS THE CABLE.

5) FIBER OPTIC CABLES IN INDOOR PATHWAYS MAY BE SUPPLIED WITH A FLEXIBLE ARMORED CONSTRUCTION WHICH WILL FULFILL THE INNER-DUCT REQUIREMENT.

B) OUTDOOR CABLING

1) CABLES UTILIZED WITHIN A PATHWAY WHERE THE CABLE IS SUBJECT TO MOISTURE AND FREEZING/THAWING CYCLES SHALL BE OF AN "OSP" GRADE. NOTE: ALL CABLING, ABOVE OR BELOW GROUND, CONNECTING TWO OR MORE FACILITIES (WITH THE EXCEPTION OF A TUNNEL PATHWAY) SHALL BE CONSIDERED TO BE IN A WET ENVIRONMENT. THIS IS INCLUSIVE OF ALL CONDUITS BELOW THE SLAB WITHIN THE PERIMETER OF A FACILITY.

2) CABLES USED IN OUTDOOR OVERHEAD (AERIAL) PATHWAYS SHALL BE SUPPORTED BY LASHING TO A MESSENGER STRAND (SIZED AND INSTALLED SO AS TO ALLOW LESS THAN PERCENT SAG) OR PLACED WITHIN A CABLE TRAY. THESE CABLES SHALL BE UN-RATED AND SHALL BE CLASSIFIED AS HAVING "AERIAL/DUCT" CONSTRUCTION.

3) PAIRED COPPER CABLES UTILIZED INSIDE CLOSED UNDERGROUND CONDUIT SYSTEMS SHALL INCORPORATE WATER BLOCKING TECHNOLOGY AND SHALL HAVE AN OVERALL SHIELD. THE SHIELD SHALL BE BONDED TO TELECOMMUNICATIONS GROUND (ALONG WITH THE PROTECTOR GROUND). (NOTE: A SHIELD ISOLATION SHALL BE CREATED IN ONE POINT ALONG THE ROUTE TO PREVENT A GROUND PATH BETWEEN BUILDINGS.)

4) FIBER OPTIC CABLES USED INSIDE CLOSED UNDERGROUND CONDUIT SYSTEMS SHALL INCORPORATE WATER BLOCKING TECHNOLOGY AND BE OF LOOSE-TUBE CONSTRUCTION. INNER-DUCTS SHALL BE UTILIZED (TUBULAR OR TEXTILE AS SPECIFIED) TO PROTECT THE CABLE FROM DAMAGE WITHIN THE CONDUIT.

C) COMBINATION OF INDOOR AND OUTDOOR CABLING

1) ALL REQUIREMENTS ABOVE APPLY TO THESE APPLICATIONS. THE FOLLOWING ITEMS ARE EXCEPTIONS AND KEY INFORMATION FOR PROPER APPLICATION.

2) CABLES THAT ARE UN-LISTED AND CONSTRUCTED FOR OSP USE SHALL TERMINATE WITHIN 50' OF THE BUILDING ENTRANCE.

3) CABLES THAT ARE UN-LISTED AND CONSTRUCTED FOR OSP USE SHALL NOT BE IN A "PLENUM" AIR SPACE. ENTRANCE CONDUITS MUST CONTINUE THROUGH THIS TYPE SPACE TO BE TERMINATED.

4) COPPER CABLES BETWEEN ANY TWO FACILITIES SHALL BE PROTECTED AT EACH END WITH GROUNDED PROTECTOR UNITS WITH GAS TUBE PROTECTORS ON EACH PAIR.

5) FIBER OPTIC CABLE MAY BE OF AN INDOOR/OUTDOOR CONSTRUCTION AND CARRY THE APPROPRIATE UL LISTING (OFNR OR OFNP) FOR THE ENVIRONMENT TO AVOID SPLICING AT THE BUILDING ENTRANCE(S).

6) COPPER CABLES UTILIZED WITHIN A UNDERGROUND PATHWAY WHERE THE CABLE IS SUBJECT TO MOISTURE AND NOT SUBJECT TO FREEZING/THAWING CYCLES (BETWEEN TWO POINTS WITHIN A FACILITY. THESE CABLES MAY BE OF INDOOR CONSTRUCTION (WITH APPLICABLE RATING) IN INSTALLED WITHIN A CONTINUOUS PROTECTIVE TUBULAR INNER-DUCT WITHIN THE CONDUIT PROTECTING IT FROM MOISTURE.

TECHNOLOGY LEGEND

SYMBOL	DESCRIPTION	SEE SHEET
OTHER EQUIPMENT		
IWB Y	**INTERACTIVE WHITE BOARD** Y = TYPE SEE EQUIPMENT SCHEDULE	N/A
CP Y	**AV CONTROL PANEL** Y = TYPE SEE SPECIFICATION FOR TOUCH SCREEN PANEL DETAILS	N/A
AV2 X	**AUDIO / VIDEO / DATA OUTLET** PROVIDE FSR OWB SERIES "WEATHER BOX" OR APPROVED EQUAL. X= NUMBER OF DATA CABLES AUDIO AND VIDEO CABLES AS SHOWN ON SYSTEM DIAGRAMS	N/A

TECHNOLOGY LEGEND

SYMBOL	DESCRIPTION	SEE SHEET
SECURITY SYSTEM AND CCTV		
PB	**EMERGENCY PANIC SWITCH** SEE SYSTEMS DIAGRAM FOR CABLING REQUIREMENTS	N/A
DR	**DOOR RELEASE SWITCH** SEE SYSTEMS DIAGRAM FOR CABLING REQUIREMENTS	N/A
SM Y	**SECURITY MONITOR** ONE DATA CABLE, PLUS OTHER SPECIAL A/V CABLES AS REQUIRED BY SYSTEM Y=TYPE	N/A
CAM c Y	**CEILING MOUNTED CAMERA** ONE DATA CABLE UON Y = TYPE OF CAMERA	T781
CAM W Y	**WALL MOUNTED CAMERA (INDOOR)** ONE DATA CABLE UON Y = TYPE OF CAMERA	N/A
CAM P Y	**PENDANT MOUNTED CAMERA (INDOOR)** ONE DATA CABLE UON Y = TYPE OF CAMERA	N/A
CAM Y	**WALL MOUNT CAMERA WITH WEATHER PROOF HOUSING** ONE DATA CABLE UON Y = TYPE OF CAMERA	T781
AD-3		
CAM E CAM E	**EXISTING CAMERA** ONE DATA CABLE UON E = EXISTING CAMERA	T781
DS	**DOOR STATUS SWITCH** SEE SYSTEMS DIAGRAM FOR CABLING REQUIREMENTS	T781
CR X Y	**CARD READER** X = NUMBER OF DATA CABLES (MIN OF ONE) - SEE LEGEND NOTE # Y = TYPE OF READER - SEE EQUIPMENT SCHEDULE	T781
	ACCESS CONTROL DOOR POWER SUPPLY REQUIRES 120V AC	N/A

LEGEND NOTES:

(1) WHERE SUBSCRIPTS ARE USED WITH THESE SYMBOLS, LETTERS DENOTE DEVICE TYPE, NUMBERS EQUAL QUANTITY OR SUBTYPE.
(1) PRIOR TO INSTALLATION OF ROUGH-IN, VERIFY ROUGH-IN SIZE REQUIREMENTS WITH DEVICE SUPPLIER;
(2) INCREASE SIZE OF BOX, AS REQUIRED TO ACCOMMODATE THE QUANTITY AND SIZE OF CONDUITS ENTERING BOX.
(3) ALL 1-GANG AND 2-GANG ROUGH-IN BOXES, RECESS/FLUSH MOUNTED, SHALL BE ASSEMBLED FROM 4" SQUARE BOXES AND SEPARATE TRIM RINGS. DEPTH OF COMPOSITE ASSEMBLY SHALL AS INDICATED, MINIMUM.
(4) IN APPLICATIONS WHERE THE DRAWINGS AND/OR SPECIFICATIONS REQUIRE THE USE OF SURFACE RACEWAY AND BOXES IN LIEU OF CONCEALED ROUGH-IN, CONTRACTOR SHALL MATCH THE SIZE OF THE BOX LISTED ON THE LEGEND; SHALL MATCH THE QUANTITY OF USABLE RACEWAYS; AND SHALL MATCH THE USABLE RACEWAY CABLE AREA SUBSTANTIALLY, TO QUANTITY AND SIZES OF RACEWAYS LISTED ON THE LEGEND. CONTRACTOR IS ADVISED THAT THIS MAY REQUIRE PROCUREMENT OF MATERIALS ONLY AVAILABLE BY SPECIAL ORDER FROM THE MANUFACTURERS.
(5) CONDUIT REQUIRED WHEN DEVICE INSTALLED WITHIN INACCESSIBLE CEILING.
(6) REFER TO PLANS AND OTHER DRAWINGS THIS SERIES FOR CONDUIT RISERS AND DETAILS FOR SPECIAL REQUIREMENTS.
(7) DATA CABLES ARE 4 TWISTED PAIR WIRES, UON

ABBREVIATIONS AND DEFINITIONS

SYMBOL	DEFINITION
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
BFC	BELOW FINISHED CEILING
CCTV	CLOSED CIRCUIT TELEVISION
CH	COUNTER HEIGHT
CT	COMMUNICATIONS TECHNOLOGY
CTC	COMMUNICATIONS TECHNOLOGY CONTRACTOR
DVR	DIGITAL VIDEO RECORDER
EF	ENTRANCE FACILITY
ER-xx	MAIN EQUIPMENT ROOM (xx = ROOM IDENTIFIER)
EC	ELECTRICAL CONTRACTOR
FB	FLOOR BOX
HC	HORIZONTAL CROSS-CONNECT
IC	INTERMEDIATE CROSS-CONNECT; INTERCOM
LI	LOCAL (AV) INPUT
MC	MAIN CROSS-CONNECT
OFE	OWNER FURNISHED EQUIPMENT
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PAY	PAY TELEPHONE LOCATION
SBB	SECURITY SYSTEM BACKBOARD
SC	SOUND CABINET; SCREW COVER
SJB	SPEAKER JUNCTION BOX
SCJB	SECURITY CAMERA JUNCTION BOX
TAAC	TO ABOVE ACCESSIBLE SUSPENDED CEILING (SEE ALSO – GENERAL ROUGH-IN NOTES)
TAHC	TO ABOVE ACCESSIBLE SUSPENDED HALLWAY CEILING
TR-xx	TELECOMMUNICATIONS ROOM (xx = ROOM IDENTIFIER)
TBB	TELECOMMUNICATIONS BACKBOARD
TO	TELECOMMUNICATIONS OUTLET
UON	UNLESS OTHERWISE NOTED
W	WALL MOUNTED CORRESPONDING SYMBOL
WAP	WIRELESS ACCESS POINT FOR LOCAL AREA NETWORK
WG	WIRE GUARD
AVR	AUDIO VISUAL RACK
DTR	DATA/TELECOMMUNICATIONS RACK
RFR	RADIO FREQUENCY (EQUIPMENT) RACK
SER	SECURITY SYSTEM EQUIPMENT RACK
SSR	SOUND SYSTEM EQUIPMENT RACK

TECHNOLOGY DYNAMICS
18412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.824.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20–144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-21
RCDD

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

DRAWING
TELECOMMUNICATIONS LEGEND

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
T002

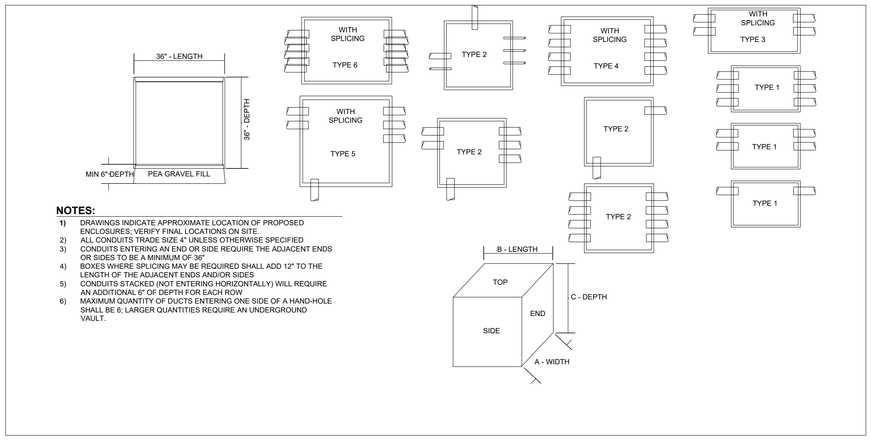
D:\DROPBOX\HANNOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS_BASE DRAWINGS\HANOVER HS T001-002 LEGEND – NOTES DRAWINGS.DWG

GENERAL NOTES:

1) FIELD VERIFY ALL UTILITIES, STRUCTURES, AND OBSTRUCTIONS ALONG PLANNED ROUTE.
2) UTILITY MARKING SERVICES SHALL BE NOTIFIED PRIOR TO WORK BEING PERFORMED.
3) ALL TRENCHES DEEPER THAN 5' SHALL HAVE SIDE WALLS SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED PER OHSA REQUIREMENTS UNLESS THE SIDE WALLS ARE CUT TO A SLOPE OF 12" HORIZONTALLY FOR EACH 24" VERTICALLY.
4) MINIMUM BEND RADII SHALL BE OBSERVED (FOR CONCRETE ENCASEMENT, COMPACTED FILL, OR DIRECTIONALLY BORED).
5) ¼" NYLON PULL ROPES SHALL BE INSTALLED IN EACH DUCT AND TIED OFF AT EACH PULLING SPACE.
6) DUCTS ROUTED UNDER PUBLIC ROADWAYS SHALL BE DIRECTIONALLY BORED.
7) DIRECTIONALLY BORED DUCTS UNDER ROADWAYS SHALL BE AT A MINIMUM 6' DEPTH TO DISPERSE LIVE LOADS OR SHALL BE INSTALLED IN A STEEL CASING WITH SAND BACKFILL.
8) ALL CONDUITS ENTERING A BUILDING OR TUNNEL SHALL SLOPE UPWARD AT LEAST 1 PERCENT FROM THE LAST PULL BOX/UTILITY VAULT.
9) ALL DUCTS ENTERING A FACILITY SHALL BE EQUIPPED WITH PROPERLY SIZED DUCT PLUGS.
10) ALL OSP CABLE INSTALLED IN DUCTS SHALL BE PULLED UTILIZING PROPERLY SELECTED BREAK-AWAY SWIVEL EYES TO AVOID CABLE TWISTING AND DAMAGE.
11) ALL UNDERGROUND CONDUIT ROUTES SHALL BE INSTALLED WITH A #6 COPPER (OR EQUIVALENT) LOCATE CONDUCTOR CONTINUOUSLY ALONG THE ENTIRE PATH. CONDUCTOR SHALL NOT BE CONNECTED WITHIN A FACILITY AT EITHER END.

NOTES:

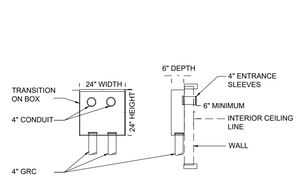
1. WHERE POSSIBLE INSTALL CONDUITS TO DRAIN INTO HAND HOLES
2. CONDUITS SHALL BE INSTALLED AT A MINIMUM OF 30-36" DEPTH TO THE TOP OF THE CONDUIT AT MINIMUM DEPTH OF RUN
3. IN MAIN CONDUIT RUNS, WHERE POSSIBLE, SLOPE OF THE CONDUIT SHALL BE 6" PER 100' AND MAY SLOPE FROM THE MIDDLE TO BOXES AT BOTH ENDS (SEE "A" ABOVE)
4. WHEN BOX MOUNTING ELEVATIONS WILL CAUSE SLOPE BETWEEN BOXES NATURALLY EQUAL TO .5% GRADE (6" PER 100'), NO FURTHER SLOPE WILL BE REQUIRED (SEE "B" ABOVE)
5. ALL CONDUITS SHALL BE MULTI-CHANNEL CONDUIT WITH PULL STRINGS IN EACH CHANNEL, EQUIPPED WITH MULTIBLE INNER-DUCTS WITH PULL ROPES IN EACH, OR EQUIPPED WITH MAXCELL FLEXIBLE INNER-DUCT SYSTEM WITH PULL ROPE IN EACH CHANNEL.
6. PATHWAY ALTERATION REQUIRED TO AVOID OBSTRUCTIONS IN THE CABLE PATHWAY SHALL UTILIZE VERY LONG SWEEPS OR ADDITIONAL HAND HOLES WILL BE REQUIRED (SEE "C" ABOVE)
7. NO MORE THAN 180 DEGREES OF BENDS BETWEEN HAND HOLES



NOTES:

1) DRAWINGS INDICATE APPROXIMATE LOCATION OF PROPOSED ENCLOSURES; VERIFY FINAL LOCATIONS ON SITE.
2) ALL CONDUITS TRADE SIZE 4" UNLESS OTHERWISE SPECIFIED
3) CONDUITS ENTERING AN END OR SIDE REQUIRE THE ADJACENT ENDS OR SIDES TO BE A MINIMUM OF 36"
4) BOXES WHERE SPLICING MAY BE REQUIRED SHALL ADD 12" TO THE LENGTH OF THE ADJACENT ENDS AND/OR SIDES
5) CONDUITS STACKED (NOT ENTERING HORIZONTALLY) WILL REQUIRE AN ADDITIONAL 6" OF DEPTH FOR EACH ROW
6) MAXIMUM QUANTITY OF DUCTS ENTERING ONE SIDE OF A HAND-HOLE SHALL BE 6; LARGER QUANTITIES REQUIRE AN UNDERGROUND VAULT.

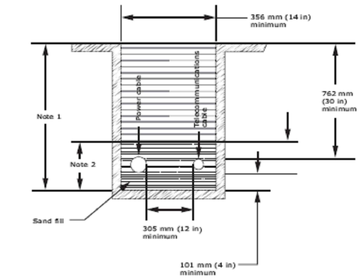
D IN GROUND BOX SIZING
Scale = NONE



WHEN ACCESS ABOVE CEILING LINE IS ENTERING A PLENUM AIR SPACE THE ENTRANCE SLEEVES SHALL a) CONTINUE TO A SPLICE ENCLOSURE (BOX) OF ADEQUATE SIZE (MINUMUM 24X24X6) TO SPLICE ALL PLANNED INCOMING CABLES TO CABLES WITH PLENUM RATED CONSTRUCTION, OR b) SHALL BE CONTINIOUS 4" EMT CONDUITS TO TERMINATION POINT

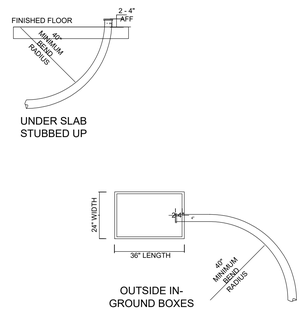
C EXTERIOR TRANSITION
Scale = NONE

Typical joint trenching dimensions (section view through trench)



NOTES: 1. Excavation and backfill.
2. Fill to be clear of rocks and sharp objects.

B JOINT TRENCH
Scale = NONE



A CONDUIT SHORT BEND RADIUS
Scale = NONE

AD-3

NEW SHEET ADDED TO COSTRUCTION DOCUMENTS IN THIS ADDENDUM.

TECHNOLOGY DYNAMICS
16412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.624.6338
www.techdyn.net

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

PROJECT 20—144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI — Registered Communications Distribution Designer
Brian K Scott
BICSI ID # 114038
Expires 12-31-21

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD—3	04/23/21	ADDENDUM #3

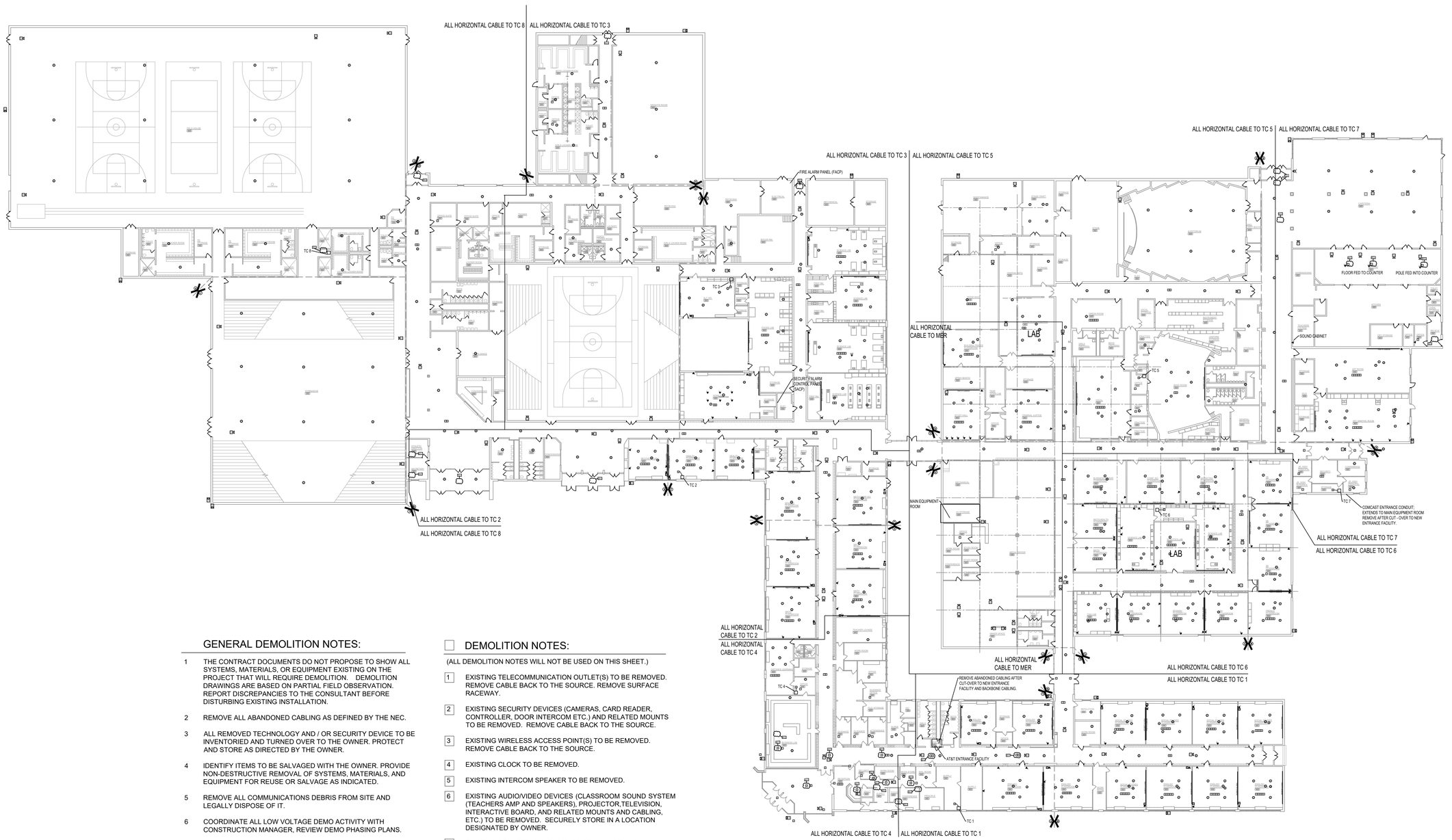
DRAWING
TELECOM SITE DETAILS

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

©GIBRALTAR DESIGN

SHEET
TS701

D:\DROPBOX\HANOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS BASE DRAWINGS\HANOVER HS TS00-600-700 DETAILS DRAWINGS.DWG



GENERAL DEMOLITION NOTES:

1. THE CONTRACT DOCUMENTS DO NOT PROPOSE TO SHOW ALL SYSTEMS, MATERIALS, OR EQUIPMENT EXISTING ON THE PROJECT THAT WILL REQUIRE DEMOLITION. DEMOLITION DRAWINGS ARE BASED ON PARTIAL FIELD OBSERVATION. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE DISTURBING EXISTING INSTALLATION.
2. REMOVE ALL ABANDONED CABLING AS DEFINED BY THE NEC.
3. ALL REMOVED TECHNOLOGY AND / OR SECURITY DEVICE TO BE INVENTORIED AND TURNED OVER TO THE OWNER. PROTECT AND STORE AS DIRECTED BY THE OWNER.
4. IDENTIFY ITEMS TO BE SALVAGED WITH THE OWNER. PROVIDE NON-DESTRUCTIVE REMOVAL OF SYSTEMS, MATERIALS, AND EQUIPMENT FOR REUSE OR SALVAGE AS INDICATED.
5. REMOVE ALL COMMUNICATIONS DEBRIS FROM SITE AND LEGALLY DISPOSE OF IT.
6. COORDINATE ALL LOW VOLTAGE DEMO ACTIVITY WITH CONSTRUCTION MANAGER, REVIEW DEMO PHASING PLANS.
7. CONTRACTOR UNDERSTANDS THAT ADJACENT AREAS NEED TO REMAIN IN OPERATION AND THAT SERVICES TO THESE AREAS NEED TO BE MAINTAINED.
8. CONTRACTOR SHALL NOTIFY THE OWNER AND CONSULTANT NO LESS THAN THREE DAYS IN ADVANCE BEFORE COMMENCING ANY DEMOLITION TO INSURE THAT NO ADJACENT OCCUPIED AREAS WILL BE DISRUPTED.
9. FIRE STOP ANY SLEEVES WHERE CABLES HAVE BEEN REMOVED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING.

DEMOLITION NOTES:

(ALL DEMOLITION NOTES WILL NOT BE USED ON THIS SHEET.)

1. EXISTING TELECOMMUNICATION OUTLET(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. REMOVE SURFACE RACEWAY.
2. EXISTING SECURITY DEVICES (CAMERAS, CARD READER, CONTROLLER, DOOR INTERCOM ETC.) AND RELATED MOUNTS TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
3. EXISTING WIRELESS ACCESS POINT(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
4. EXISTING CLOCK TO BE REMOVED.
5. EXISTING INTERCOM SPEAKER TO BE REMOVED.
6. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR,TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE REMOVED. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER.
7. EXISTING SECURITY CAMERA(S) TO REMAIN. CEILING MOUNTED UNITS SHALL BE DISCONNECTED FROM CEILING TILE AND TEMPORARILY SUPPORTED TO STRUCTURE ABOVE CEILING.
8. EXISTING INTERCOM SPEAKER TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT.
9. EXISTING WIRELESS ACCESS POINT TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT. REMOVE THE ABANDONED CABLE TO CABINETS AFTER CUT-OVER TO NEW CABLING.
10. EXISTING DATA CABINET, AFTER REMOVAL OF ALL ACTIVE HORIZONTAL CABLES, REMOVE FIBER AND COPPER BACKBONE TO ITS SOURCE. REMOVE CABINET AND ALL RELATED ACCESSORIES AND TURN OVER TO OWNER.
11. EXISTING SCHOOL INTERCOM RACK - THIS WILL BE REMOVED UNDER A SEPARATE CONTRACT.

AD-3

AD-3

EXISTING CONDITIONS: CAMERA SYSTEM NOTES:
1] EXISTING CAMERAS ANALOG WITH COAXIAL CABLING
2] ALL EXISTING COAXIAL CABLES EXTEND TO MAIN EQUIPMENT ROOM
3] DVRS FOR EXISTING CAMERAS ARE 8 X 16 PORT UNITS IN THE MAIN EQUIPMENT ROOM
4] TENNIS PRESS BOX IS DIRECTLY EAST OF THE SCHOOL AND CONNECTS WITH UNDERGROUND COPPER
5] COPPER TO TENNIS PRESS BOX SUPPORTS DATA AND DVR
6] PRESS BOXES FOR SOCCER, BASEBALL, FOOTBALL, AND MAINTENANCE BLDG CONNECT WITH WIRELESS BRIDGE

AD-3

EXISTING CONDITIONS: CABLING NOTES:
1] VOICE HORIZONTALS (VOIP) SAME AS DATA
2] DATA CABLING BLUE
3] WIRELESS ACCESS CABLING YELLOW WITH GREEN JACKS
4] EACH WAP HAS 2 X CAT 6 CABLES
5] LOCATIONS SHOWN ARE APPROXIMATE.
6] REFERENCE DIAGRAM FOR CONNECTIVITY DETAILS
7] EACH CLASSROOM UTILIZES 2 OR 3 X CAT 5 TO TEACHERS'S LOCATION IN SEPARATE SURFACE RACEWAY
8] EACH TEACHER STATION CONNECTS TO LOCAL PROJECTOR WITH VGA CABLE AND A 4 PAIR (WITH USB ADAPTERS)
9] ADDITIONAL S-VIDEO AND L & R AUDIO CONNECT TO PROJECTOR LOCATION AND ARE NO LONGER USED
10] NON-TEACHER VOICE - DATA LOCATIONS VARY IN QUANTITY OF CABLES; QUANTITY SHOWN IS APPROXIMATE

1 **TELECOMMUNICATIONS OVERALL BUILDING DEMO PLAN**
SCALE: NOT TO SCALE

TECHNOLOGY DYNAMICS
10412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.524.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI Brian K Scott BICSI ID # 114038 EXPIRES 12-31-21 RCDD

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

DRAWING
TELECOMMUNICATIONS OVERALL BUILDING DEMO PLAN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
TD-100

D:\DROPBOX\HANOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS BASE DRAWINGS\HANOVER HS DEMO T100 DRAWINGS.DWG



GENERAL DEMOLITION NOTES:

1. THE CONTRACT DOCUMENTS DO NOT PROPOSE TO SHOW ALL SYSTEMS, MATERIALS, OR EQUIPMENT EXISTING ON THE PROJECT THAT WILL REQUIRE DEMOLITION. DEMOLITION DRAWINGS ARE BASED ON PARTIAL FIELD OBSERVATION. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE DISTURBING EXISTING INSTALLATION.
2. REMOVE ALL ABANDONED CABLING AS DEFINED BY THE NEC.
3. ALL REMOVED TECHNOLOGY AND / OR SECURITY DEVICE TO BE INVENTORIED AND TURNED OVER TO THE OWNER. PROTECT AND STORE AS DIRECTED BY THE OWNER.
4. IDENTIFY ITEMS TO BE SALVAGED WITH THE OWNER. PROVIDE NON-DESTRUCTIVE REMOVAL OF SYSTEMS, MATERIALS, AND EQUIPMENT FOR REUSE OR SALVAGE AS INDICATED.
5. REMOVE ALL COMMUNICATIONS DEBRIS FROM SITE AND LEGALLY DISPOSE OF IT.
6. COORDINATE ALL LOW VOLTAGE DEMO ACTIVITY WITH CONSTRUCTION MANAGER, REVIEW DEMO PHASING PLANS.
7. CONTRACTOR UNDERSTANDS THAT ADJACENT AREAS NEED TO REMAIN IN OPERATION AND THAT SERVICES TO THESE AREAS NEED TO BE MAINTAINED.
8. CONTRACTOR SHALL NOTIFY THE OWNER AND CONSULTANT NO LESS THAN THREE DAYS IN ADVANCE BEFORE COMMENCING ANY DEMOLITION TO INSURE THAT NO ADJACENT OCCUPIED AREAS WILL BE DISRUPTED.
9. FIRE STOP ANY SLEEVES WHERE CABLES HAVE BEEN REMOVED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING.

☐ DEMOLITION NOTES:

(ALL DEMOLITION NOTES WILL NOT BE USED ON THIS SHEET.)

1. EXISTING TELECOMMUNICATION OUTLET(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. REMOVE SURFACE RACEWAY.
2. EXISTING SECURITY DEVICES (CAMERAS, CARD READER, CONTROLLER, DOOR INTERCOM ETC.) AND RELATED MOUNTS TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
3. EXISTING WIRELESS ACCESS POINT(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
4. EXISTING CLOCK TO BE REMOVED.
5. EXISTING INTERCOM SPEAKER TO BE REMOVED.
6. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR,TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE REMOVED. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER.
7. EXISTING SECURITY CAMERA(S) TO REMAIN. CEILING MOUNTED UNITS SHALL BE DISCONNECTED FROM CEILING TILE AND TEMPORARILY SUPPORTED TO STRUCTURE ABOVE CEILING.
8. EXISTING INTERCOM SPEAKER TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT.
9. EXISTING WIRELESS ACCESS POINT TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT. REMOVE THE ABANDONED CABLE TO CABINETS AFTER CUT-OVER TO NEW CABLING.
10. EXISTING DATA CABINET, AFTER REMOVAL OF ALL ACTIVE HORIZONTAL CABLES, REMOVE FIBER AND COPPER BACKBONE TO ITS SOURCE. REMOVE CABINET AND ALL RELATED ACCESSORIES AND TURN OVER TO OWNER.
11. EXISTING SCHOOL INTERCOM RACK - THIS WILL BE REMOVED UNDER A SEPARATE CONTRACT.

1 **TELECOMMUNICATIONS DEMO PLAN - UNIT A**
SCALE: 1/8" = 1'-0"

TECHNOLOGY DYNAMICS
10412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.824.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI Brian K Scott BICSI ID # 114038 EXPIRES 12-31-21 RCDD

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

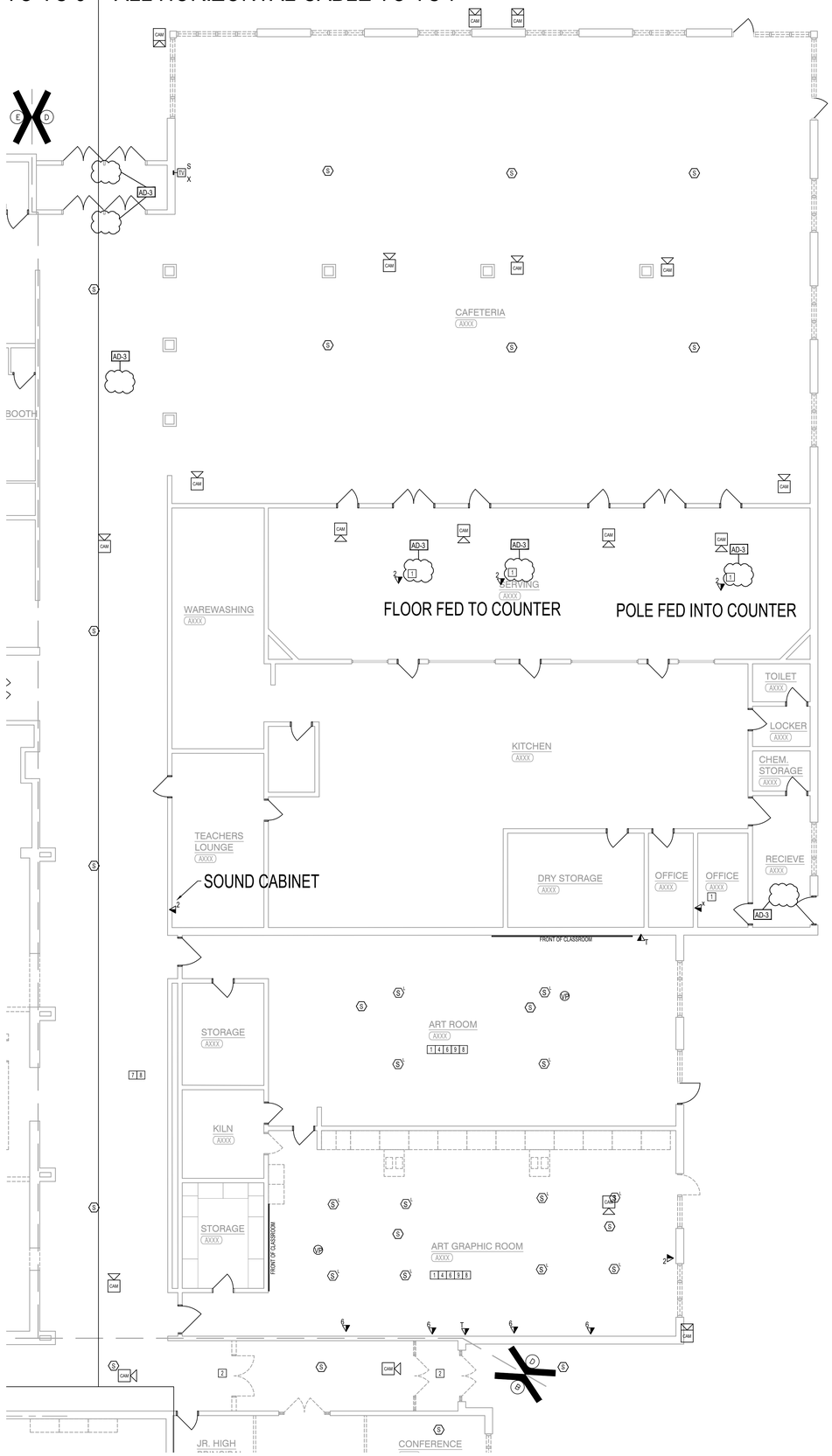
DRAWING
TELECOMMUNICATIONS DEMO PLAN - UNIT A

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
A
TD-101

D:\DROPBOX\HANNOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS_BASE DRAWINGS\HANOVER HS DEMO T100 DRAWINGS.DWG



1 TELECOMMUNICATIONS DEMO PLAN - UNIT D
SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

1. THE CONTRACT DOCUMENTS DO NOT PROPOSE TO SHOW ALL SYSTEMS, MATERIALS, OR EQUIPMENT EXISTING ON THE PROJECT THAT WILL REQUIRE DEMOLITION. DEMOLITION DRAWINGS ARE BASED ON PARTIAL FIELD OBSERVATION. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE DISTURBING EXISTING INSTALLATION.
2. REMOVE ALL ABANDONED CABLING AS DEFINED BY THE NEC.
3. ALL REMOVED TECHNOLOGY AND / OR SECURITY DEVICE TO BE INVENTORIED AND TURNED OVER TO THE OWNER. PROTECT AND STORE AS DIRECTED BY THE OWNER.
4. IDENTIFY ITEMS TO BE SALVAGED WITH THE OWNER. PROVIDE NON-DESTRUCTIVE REMOVAL OF SYSTEMS, MATERIALS, AND EQUIPMENT FOR REUSE OR SALVAGE AS INDICATED.
5. REMOVE ALL COMMUNICATIONS DEBRIS FROM SITE AND LEGALLY DISPOSE OF IT.
6. COORDINATE ALL LOW VOLTAGE DEMO ACTIVITY WITH CONSTRUCTION MANAGER, REVIEW DEMO PHASING PLANS.
7. CONTRACTOR UNDERSTANDS THAT ADJACENT AREAS NEED TO REMAIN IN OPERATION AND THAT SERVICES TO THESE AREAS NEED TO BE MAINTAINED.
8. CONTRACTOR SHALL NOTIFY THE OWNER AND CONSULTANT NO LESS THAN THREE DAYS IN ADVANCE BEFORE COMMENCING ANY DEMOLITION TO INSURE THAT NO ADJACENT OCCUPIED AREAS WILL BE DISRUPTED.
9. FIRE STOP ANY SLEEVES WHERE CABLES HAVE BEEN REMOVED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING.

☐ DEMOLITION NOTES:

(ALL DEMOLITION NOTES WILL NOT BE USED ON THIS SHEET.)

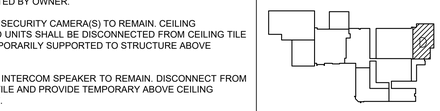
1. EXISTING TELECOMMUNICATION OUTLET(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. REMOVE SURFACE RACEWAY.
2. EXISTING SECURITY DEVICES (CAMERAS, CARD READER, CONTROLLER, DOOR INTERCOM ETC.) AND RELATED MOUNTS TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
3. EXISTING WIRELESS ACCESS POINT(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
4. EXISTING CLOCK TO BE REMOVED.
5. EXISTING INTERCOM SPEAKER TO BE REMOVED.
6. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR,TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE REMOVED. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER.
7. EXISTING SECURITY CAMERA(S) TO REMAIN. CEILING MOUNTED UNITS SHALL BE DISCONNECTED FROM CEILING TILE AND TEMPORARILY SUPPORTED TO STRUCTURE ABOVE CEILING.
8. EXISTING INTERCOM SPEAKER TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT.
9. EXISTING WIRELESS ACCESS POINT TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT. REMOVE THE ABANDONED CABLE TO CABINETS AFTER CUT-OVER TO NEW CABLING.
10. EXISTING DATA CABINET. AFTER REMOVAL OF ALL ACTIVE HORIZONTAL CABLES, REMOVE FIBER AND COPPER BACKBONE TO ITS SOURCE. REMOVE CABINET AND ALL RELATED ACCESSORIES AND TURN OVER TO OWNER.
11. EXISTING SCHOOL INTERCOM RACK - THIS WILL BE REMOVED UNDER A SEPARATE CONTRACT.

AD-3

TECHNOLOGY DYNAMICS
10412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.824.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-21

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

DRAWING
TELECOMMUNICATIONS DEMO PLAN - UNIT D

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
D
TD-104

D:\DROPBOX\HANOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS BASE DRAWINGS\HANOVER HS DEMO TT00 DRAWINGS.DWG



GENERAL DEMOLITION NOTES:

1. THE CONTRACT DOCUMENTS DO NOT PROPOSE TO SHOW ALL SYSTEMS, MATERIALS, OR EQUIPMENT EXISTING ON THE PROJECT THAT WILL REQUIRE DEMOLITION. DEMOLITION DRAWINGS ARE BASED ON PARTIAL FIELD OBSERVATION. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE DISTURBING EXISTING INSTALLATION.
2. REMOVE ALL ABANDONED CABLING AS DEFINED BY THE NEC.
3. ALL REMOVED TECHNOLOGY AND / OR SECURITY DEVICE TO BE INVENTORIED AND TURNED OVER TO THE OWNER. PROTECT AND STORE AS DIRECTED BY THE OWNER.
4. IDENTIFY ITEMS TO BE SALVAGED WITH THE OWNER. PROVIDE NON-DESTRUCTIVE REMOVAL OF SYSTEMS, MATERIALS, AND EQUIPMENT FOR REUSE OR SALVAGE AS INDICATED.
5. REMOVE ALL COMMUNICATIONS DEBRIS FROM SITE AND LEGALLY DISPOSE OF IT.
6. COORDINATE ALL LOW VOLTAGE DEMO ACTIVITY WITH CONSTRUCTION MANAGER, REVIEW DEMO PHASING PLANS.
7. CONTRACTOR UNDERSTANDS THAT ADJACENT AREAS NEED TO REMAIN IN OPERATION AND THAT SERVICES TO THESE AREAS NEED TO BE MAINTAINED.
8. CONTRACTOR SHALL NOTIFY THE OWNER AND CONSULTANT NO LESS THAN THREE DAYS IN ADVANCE BEFORE COMMENCING ANY DEMOLITION TO INSURE THAT NO ADJACENT OCCUPIED AREAS WILL BE DISRUPTED.
9. FIRE STOP ANY SLEEVES WHERE CABLES HAVE BEEN REMOVED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING.

DEMOLITION NOTES:

(ALL DEMOLITION NOTES WILL NOT BE USED ON THIS SHEET.)

1. EXISTING TELECOMMUNICATION OUTLET(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. REMOVE SURFACE RACEWAY.
2. EXISTING SECURITY DEVICES (CAMERAS, CARD READER, CONTROLLER, DOOR INTERCOM ETC.) AND RELATED MOUNTS TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
3. EXISTING WIRELESS ACCESS POINT(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
4. EXISTING CLOCK TO BE REMOVED.
5. EXISTING INTERCOM SPEAKER TO BE REMOVED.
6. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR,TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE REMOVED. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER.
7. EXISTING SECURITY CAMERA(S) TO REMAIN. CEILING MOUNTED UNITS SHALL BE DISCONNECTED FROM CEILING TILE AND TEMPORARILY SUPPORTED TO STRUCTURE ABOVE CEILING.
8. EXISTING INTERCOM SPEAKER TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT.
9. EXISTING WIRELESS ACCESS POINT TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT. REMOVE THE ABANDONED CABLE TO CABINETS AFTER CUT-OVER TO NEW CABLING.
10. EXISTING DATA CABINET, AFTER REMOVAL OF ALL ACTIVE HORIZONTAL CABLES, REMOVE FIBER AND COPPER BACKBONE TO ITS SOURCE. REMOVE CABINET AND ALL RELATED ACCESSORIES AND TURN OVER TO OWNER.
11. EXISTING SCHOOL INTERCOM RACK - THIS WILL BE REMOVED UNDER A SEPARATE CONTRACT.

AD-3

1 TELECOMMUNICATIONS DEMO PLAN - UNIT F
SCALE: 1/8" = 1'-0"

TECHNOLOGY DYNAMICS
18412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46055
317.824.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

RECORD COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-21
RCDD

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

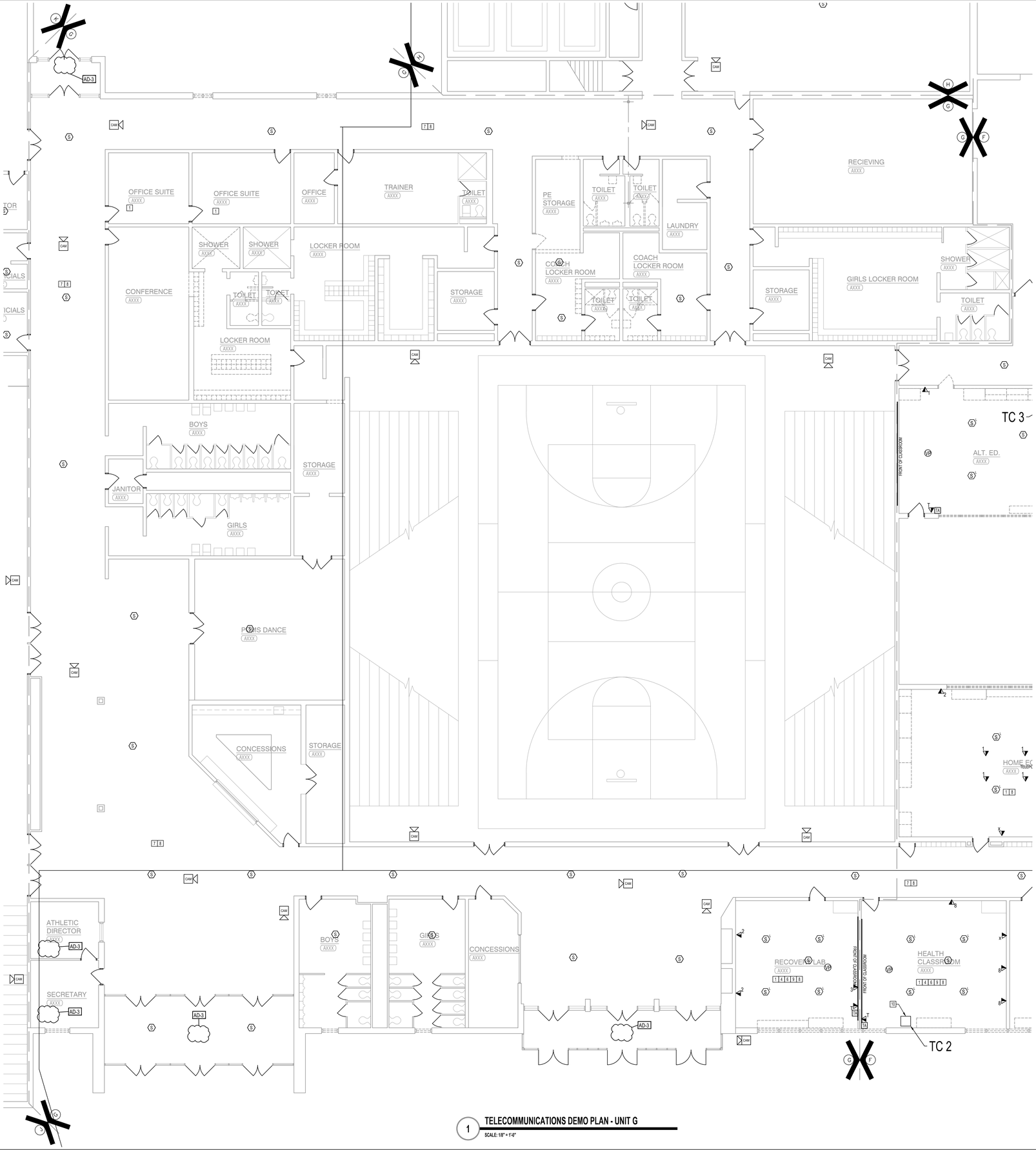
DRAWING
TELECOMMUNICATIONS DEMO PLAN - UNIT F

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
F
TD-106

D:\DROPBOX\HANNOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS_BASE_DRAWINGS\HANOVER HS_DEMO_T100 DRAWINGS.DWG



1 **TELECOMMUNICATIONS DEMO PLAN - UNIT G**
SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

1. THE CONTRACT DOCUMENTS DO NOT PROPOSE TO SHOW ALL SYSTEMS, MATERIALS, OR EQUIPMENT EXISTING ON THE PROJECT THAT WILL REQUIRE DEMOLITION. DEMOLITION DRAWINGS ARE BASED ON PARTIAL FIELD OBSERVATION. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE DISTURBING EXISTING INSTALLATION.
2. REMOVE ALL ABANDONED CABLING AS DEFINED BY THE NEC.
3. ALL REMOVED TECHNOLOGY AND / OR SECURITY DEVICE TO BE INVENTORIED AND TURNED OVER TO THE OWNER. PROTECT AND STORE AS DIRECTED BY THE OWNER.
4. IDENTIFY ITEMS TO BE SALVAGED WITH THE OWNER. PROVIDE NON-DESTRUCTIVE REMOVAL OF SYSTEMS, MATERIALS, AND EQUIPMENT FOR REUSE OR SALVAGE AS INDICATED.
5. REMOVE ALL COMMUNICATIONS DEBRIS FROM SITE AND LEGALLY DISPOSE OF IT.
6. COORDINATE ALL LOW VOLTAGE DEMO ACTIVITY WITH CONSTRUCTION MANAGER, REVIEW DEMO PHASING PLANS.
7. CONTRACTOR UNDERSTANDS THAT ADJACENT AREAS NEED TO REMAIN IN OPERATION AND THAT SERVICES TO THESE AREAS NEED TO BE MAINTAINED.
8. CONTRACTOR SHALL NOTIFY THE OWNER AND CONSULTANT NO LESS THAN THREE DAYS IN ADVANCE BEFORE COMMENCING ANY DEMOLITION TO INSURE THAT NO ADJACENT OCCUPIED AREAS WILL BE DISRUPTED.
9. FIRE STOP ANY SLEEVES WHERE CABLES HAVE BEEN REMOVED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING.

☐ DEMOLITION NOTES:

(ALL DEMOLITION NOTES WILL NOT BE USED ON THIS SHEET.)

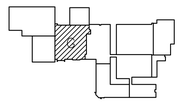
1. EXISTING TELECOMMUNICATION OUTLET(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. REMOVE SURFACE RACEWAY.
2. EXISTING SECURITY DEVICES (CAMERAS, CARD READER, CONTROLLER, DOOR INTERCOM ETC.) AND RELATED MOUNTS TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
3. EXISTING WIRELESS ACCESS POINT(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
4. EXISTING CLOCK TO BE REMOVED.
5. EXISTING INTERCOM SPEAKER TO BE REMOVED.
6. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR,TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE REMOVED. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER.
7. EXISTING SECURITY CAMERA(S) TO REMAIN. CEILING MOUNTED UNITS SHALL BE DISCONNECTED FROM CEILING TILE AND TEMPORARILY SUPPORTED TO STRUCTURE ABOVE CEILING.
8. EXISTING INTERCOM SPEAKER TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT.
9. EXISTING WIRELESS ACCESS POINT TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT. REMOVE THE ABANDONED CABLE TO CABINETS AFTER CUT-OVER TO NEW CABLING.
10. EXISTING DATA CABINET, AFTER REMOVAL OF ALL ACTIVE HORIZONTAL CABLES, REMOVE FIBER AND COPPER BACKBONE TO ITS SOURCE. REMOVE CABINET AND ALL RELATED ACCESSORIES AND TURN OVER TO OWNER.
11. EXISTING SCHOOL INTERCOM RACK - THIS WILL BE REMOVED UNDER A SEPARATE CONTRACT.

AD-3

TECHNOLOGY DYNAMICS
18412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.824.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI Registered Communications Distribution Designer
Brian K Scott
BICSI ID # 114038
Expires 12-31-21
RCDD

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

DRAWING
TELECOMMUNICATIONS DEMO PLAN - UNIT G

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

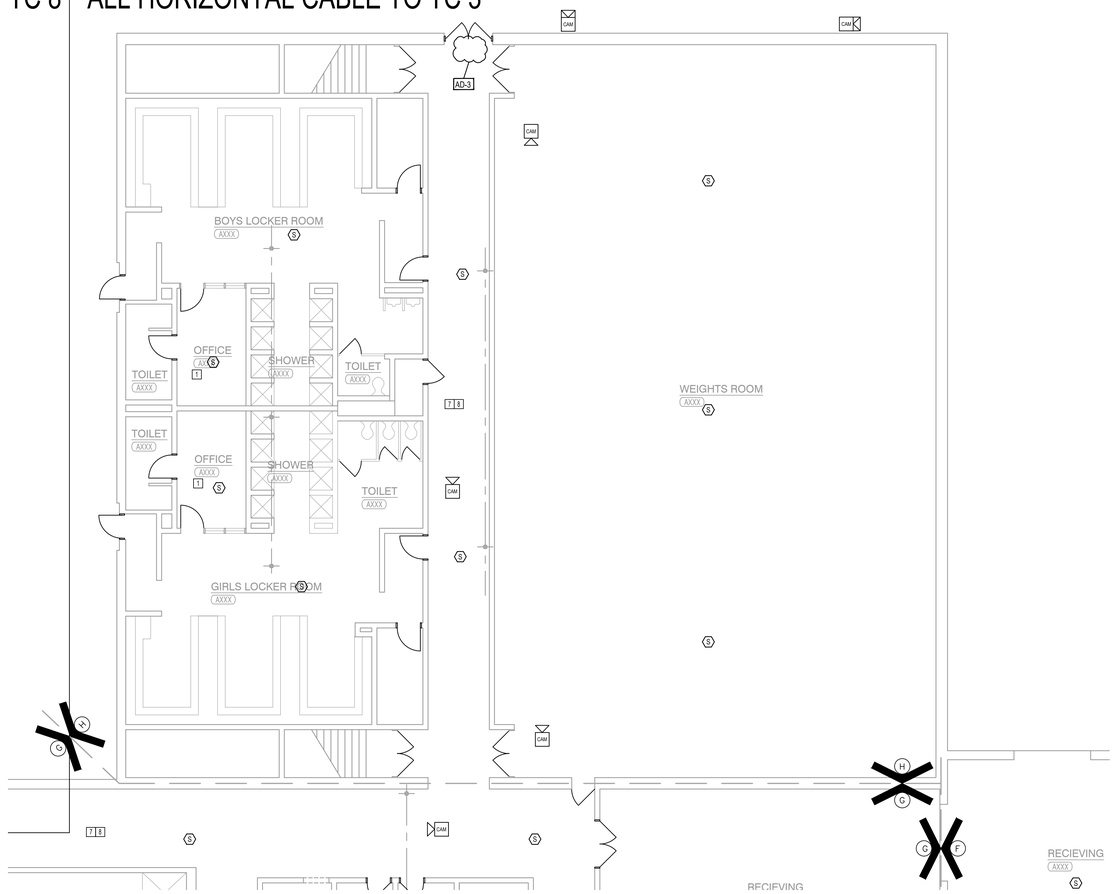
© GIBRALTAR DESIGN

SHEET G

TD-107

D:\DROPBOX\HANNOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS -BASE DRAWINGS\HANOVER HS DEMO T100 DRAWINGS.DWG

TC 8 ALL HORIZONTAL CABLE TO TC 3



1 **TELECOMMUNICATIONS DEMO PLAN - UNIT H**
SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

1 THE CONTRACT DOCUMENTS DO NOT PROPOSE TO SHOW ALL SYSTEMS, MATERIALS, OR EQUIPMENT EXISTING ON THE PROJECT THAT WILL REQUIRE DEMOLITION. DEMOLITION DRAWINGS ARE BASED ON PARTIAL FIELD OBSERVATION. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE DISTURBING EXISTING INSTALLATION.

2 REMOVE ALL ABANDONED CABLING AS DEFINED BY THE NEC.

3 ALL REMOVED TECHNOLOGY AND / OR SECURITY DEVICE TO BE INVENTORIED AND TURNED OVER TO THE OWNER. PROTECT AND STORE AS DIRECTED BY THE OWNER.

4 IDENTIFY ITEMS TO BE SALVAGED WITH THE OWNER. PROVIDE NON-DESTRUCTIVE REMOVAL OF SYSTEMS, MATERIALS, AND EQUIPMENT FOR REUSE OR SALVAGE AS INDICATED.

5 REMOVE ALL COMMUNICATIONS DEBRIS FROM SITE AND LEGALLY DISPOSE OF IT.

6 COORDINATE ALL LOW VOLTAGE DEMO ACTIVITY WITH CONSTRUCTION MANAGER, REVIEW DEMO PHASING PLANS.

7 CONTRACTOR UNDERSTANDS THAT ADJACENT AREAS NEED TO REMAIN IN OPERATION AND THAT SERVICES TO THESE AREAS NEED TO BE MAINTAINED.

8 CONTRACTOR SHALL NOTIFY THE OWNER AND CONSULTANT NO LESS THAN THREE DAYS IN ADVANCE BEFORE COMMENCING ANY DEMOLITION TO INSURE THAT NO ADJACENT OCCUPIED AREAS WILL BE DISRUPTED.

9 FIRE STOP ANY SLEEVES WHERE CABLES HAVE BEEN REMOVED.

10 CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING.

☐ DEMOLITION NOTES:

(ALL DEMOLITION NOTES WILL NOT BE USED ON THIS SHEET.)

1 EXISTING TELECOMMUNICATION OUTLET(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. REMOVE SURFACE RACEWAY.

2 EXISTING SECURITY DEVICES (CAMERAS, CARD READER, CONTROLLER, DOOR INTERCOM ETC.) AND RELATED MOUNTS TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.

3 EXISTING WIRELESS ACCESS POINT(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.

4 EXISTING CLOCK TO BE REMOVED.

5 EXISTING INTERCOM SPEAKER TO BE REMOVED.

6 EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR,TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE REMOVED. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER.

7 EXISTING SECURITY CAMERA(S) TO REMAIN. CEILING MOUNTED UNITS SHALL BE DISCONNECTED FROM CEILING TILE AND TEMPORARILY SUPPORTED TO STRUCTURE ABOVE CEILING.

8 EXISTING INTERCOM SPEAKER TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT.

9 EXISTING WIRELESS ACCESS POINT TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT. REMOVE THE ABANDONED CABLE TO CABINETS AFTER CUT-OVER TO NEW CABLING.

10 EXISTING DATA CABINET, AFTER REMOVAL OF ALL ACTIVE HORIZONTAL CABLES, REMOVE FIBER AND COPPER BACKBONE TO ITS SOURCE. REMOVE CABINET AND ALL RELATED ACCESSORIES AND TURN OVER TO OWNER.

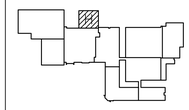
11 EXISTING SCHOOL INTERCOM RACK - THIS WILL BE REMOVED UNDER A SEPARATE CONTRACT.

AD-3

TECHNOLOGY DYNAMICS
16412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46040
317.824.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-21

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

DRAWING
TELECOMMUNICATIONS DEMO PLAN - UNIT H

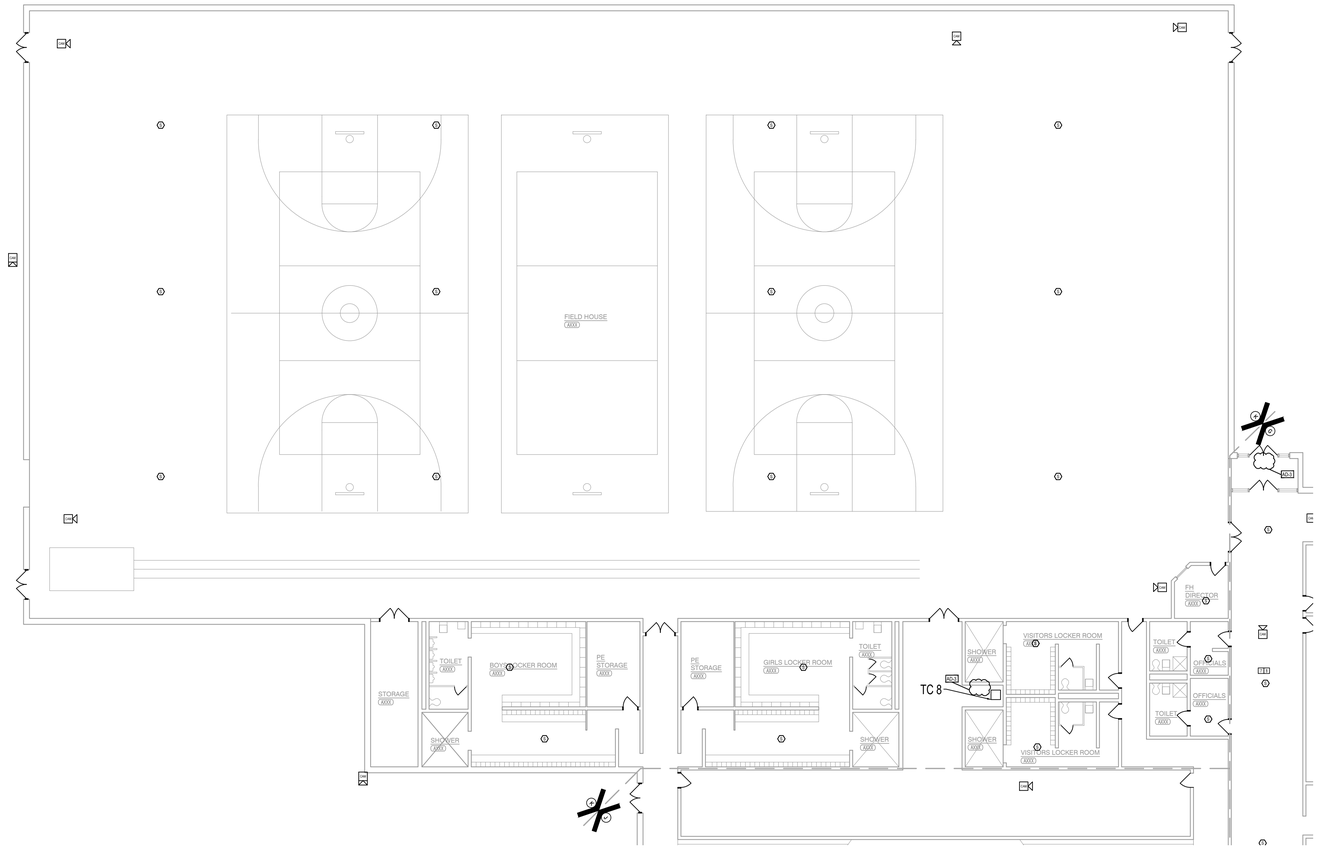
PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

H

SHEET
TD-108

D:\DROPBOX\HANNOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS BASE DRAWINGS\HANOVER HS DEMO T100 DRAWINGS.DWG



1 **TELECOMMUNICATIONS DEMO PLAN - UNIT K**

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

GENERAL DEMOLITION NOTES:

1. THE CONTRACT DOCUMENTS DO NOT PROPOSE TO SHOW ALL SYSTEMS, MATERIALS, OR EQUIPMENT EXISTING ON THE PROJECT THAT WILL REQUIRE DEMOLITION. DEMOLITION DRAWINGS ARE BASED ON PARTIAL FIELD OBSERVATION. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE DISTURBING EXISTING INSTALLATION.
2. REMOVE ALL ABANDONED CABLING AS DEFINED BY THE NEC.
3. ALL REMOVED TECHNOLOGY AND / OR SECURITY DEVICE TO BE INVENTORIED AND TURNED OVER TO THE OWNER. PROTECT AND STORE AS DIRECTED BY THE OWNER.
4. IDENTIFY ITEMS TO BE SALVAGED WITH THE OWNER. PROVIDE NON-DESTRUCTIVE REMOVAL OF SYSTEMS, MATERIALS, AND EQUIPMENT FOR REUSE OR SALVAGE AS INDICATED.
5. REMOVE ALL COMMUNICATIONS DEBRIS FROM SITE AND LEGALLY DISPOSE OF IT.
6. COORDINATE ALL LOW VOLTAGE DEMO ACTIVITY WITH CONSTRUCTION MANAGER, REVIEW DEMO PHASING PLANS.
7. CONTRACTOR UNDERSTANDS THAT ADJACENT AREAS NEED TO REMAIN IN OPERATION AND THAT SERVICES TO THESE AREAS NEED TO BE MAINTAINED.
8. CONTRACTOR SHALL NOTIFY THE OWNER AND CONSULTANT NO LESS THAN THREE DAYS IN ADVANCE BEFORE COMMENCING ANY DEMOLITION TO INSURE THAT NO ADJACENT OCCUPIED AREAS WILL BE DISRUPTED.
9. FIRE STOP ANY SLEEVES WHERE CABLES HAVE BEEN REMOVED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING.

DEMOLITION NOTES:

(ALL DEMOLITION NOTES WILL NOT BE USED ON THIS SHEET.)

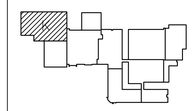
1. EXISTING TELECOMMUNICATION OUTLET(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. REMOVE SURFACE RACEWAY.
2. EXISTING SECURITY DEVICES (CAMERAS, CARD READER, CONTROLLER, DOOR INTERCOM ETC.) AND RELATED MOUNTS TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
3. EXISTING WIRELESS ACCESS POINT(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
4. EXISTING CLOCK TO BE REMOVED.
5. EXISTING INTERCOM SPEAKER TO BE REMOVED.
6. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR,TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE REMOVED. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER.
7. EXISTING SECURITY CAMERA(S) TO REMAIN. CEILING MOUNTED UNITS SHALL BE DISCONNECTED FROM CEILING TILE AND TEMPORARILY SUPPORTED TO STRUCTURE ABOVE CEILING.
8. EXISTING INTERCOM SPEAKER TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT.
9. EXISTING WIRELESS ACCESS POINT TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT. REMOVE THE ABANDONED CABLE TO CABINETS AFTER CUT-OVER TO NEW CABLING.
10. EXISTING DATA CABINET, AFTER REMOVAL OF ALL ACTIVE HORIZONTAL CABLES, REMOVE FIBER AND COPPER BACKBONE TO ITS SOURCE. REMOVE CABINET AND ALL RELATED ACCESSORIES AND TURN OVER TO OWNER.
11. EXISTING SCHOOL INTERCOM RACK - THIS WILL BE REMOVED UNDER A SEPARATE CONTRACT.

AD-3

TECHNOLOGY DYNAMICS
16412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.624.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI Brian K Scott BICSI ID # 114038 Expires 12-31-21 RCDD

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

DRAWING
TELECOMMUNICATIONS DEMO PLAN - UNIT K

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
K
TD-110

D:\DROPBOX\HANOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS -BASE DRAWINGS\HANOVER HS DEMO T100 DRAWINGS.DWG

- ALL HORIZONTAL CABLE TO TR F111

- ALL HORIZONTAL CABLE TO TR A148



1 **TELECOMMUNICATIONS PLAN - UNIT A**
SCALE: 1/8" = 1'-0"

PLAN NOTES:

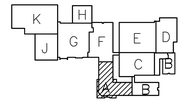
(ALL NOTES WILL NOT BE USED ON THIS SHEET.)

1. NEW TELECOMMUNICATION OUTLET(S) TO BE INSTALLED IN SURFACE RACEWAY WHERE REQUIRED.
2. NOT USED — AD-3
3. EXISTING WIRELESS ACCESS POINT(S) TO BE RE-INSTALLED IN NEW CEILING.
4. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR, TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE RE-INSTALLED IN NEW LOCATIONS AS SHOWN. RETRIEVE DEVICES FROM OWNER DESIGNATED SECURE STORAGE LOCATION. COMPLETE CABLING. PROVIDE NEW WALL MOUNT ARM FOR PROJECTOR MOUNTING ON WALL (EPSON V12H706020)
5. EXISTING SECURITY CAMERA(S), TO BE RE-INSTALLED IN NEW CEILING. PROVIDE A NEW 4 PAIR CAT 6 CABLE TO THE TR; SEE CABLE ZONING ON OVERALL PLAN. COIL NEW CABLE ON SUPPORT ABOVE THE CEILING FOR FUTURE CAMERA REPLACEMENT.
6. EXISTING INTERCOM SPEAKER TO BE RE-INSTALLED IN NEW CEILING.
7. ADD NEW 4 PAIR CABLE TO EACH EXISTING CAMERA LOCATION. TERMINATE IN TC-8 AND TERMINATE AND COIL ABOVE EXISTING CAMERA FOR FUTURE USE.

TECHNOLOGY DYNAMICS
18412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.824.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI DESIGNED COMMUNICATIONS(D) STRUCTURED CABLING(SCD)
BICSI Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-21
RCDD

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

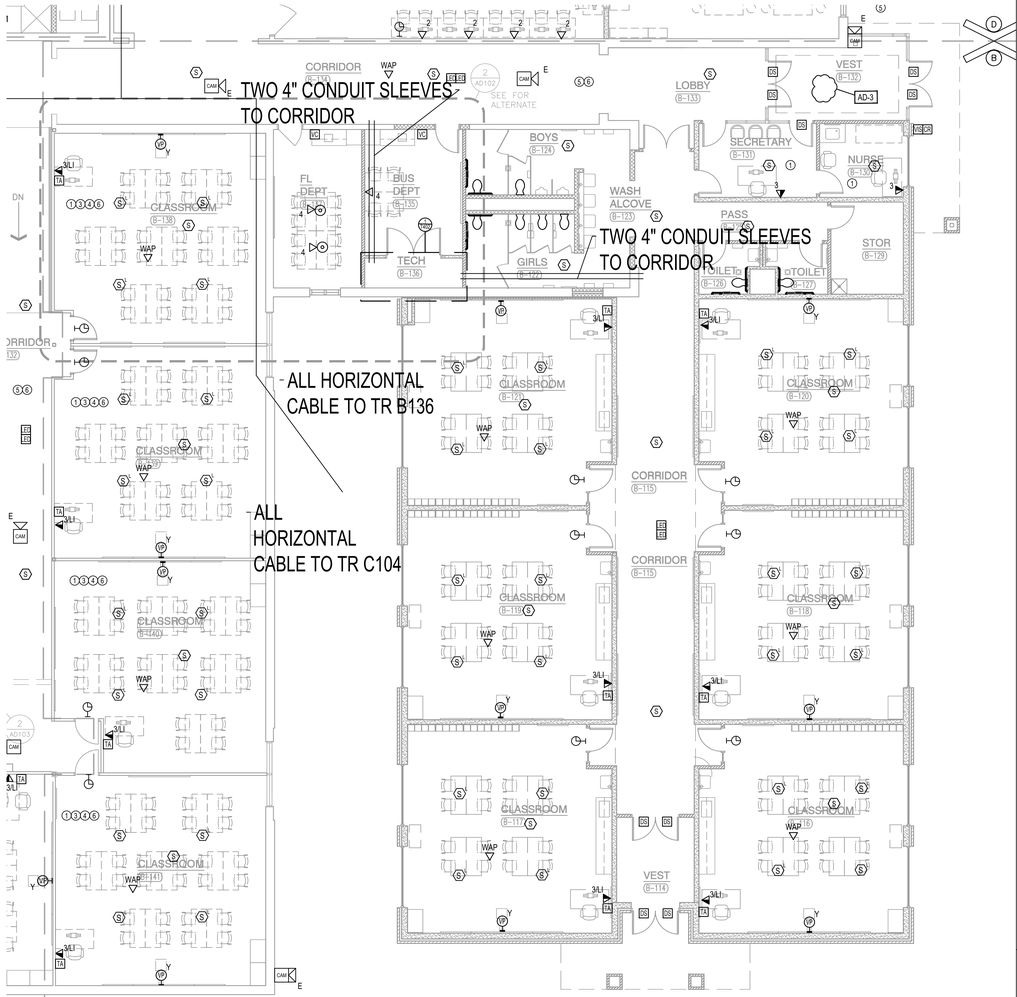
DRAWING
TELECOMMUNICATIONS PLAN - UNIT A

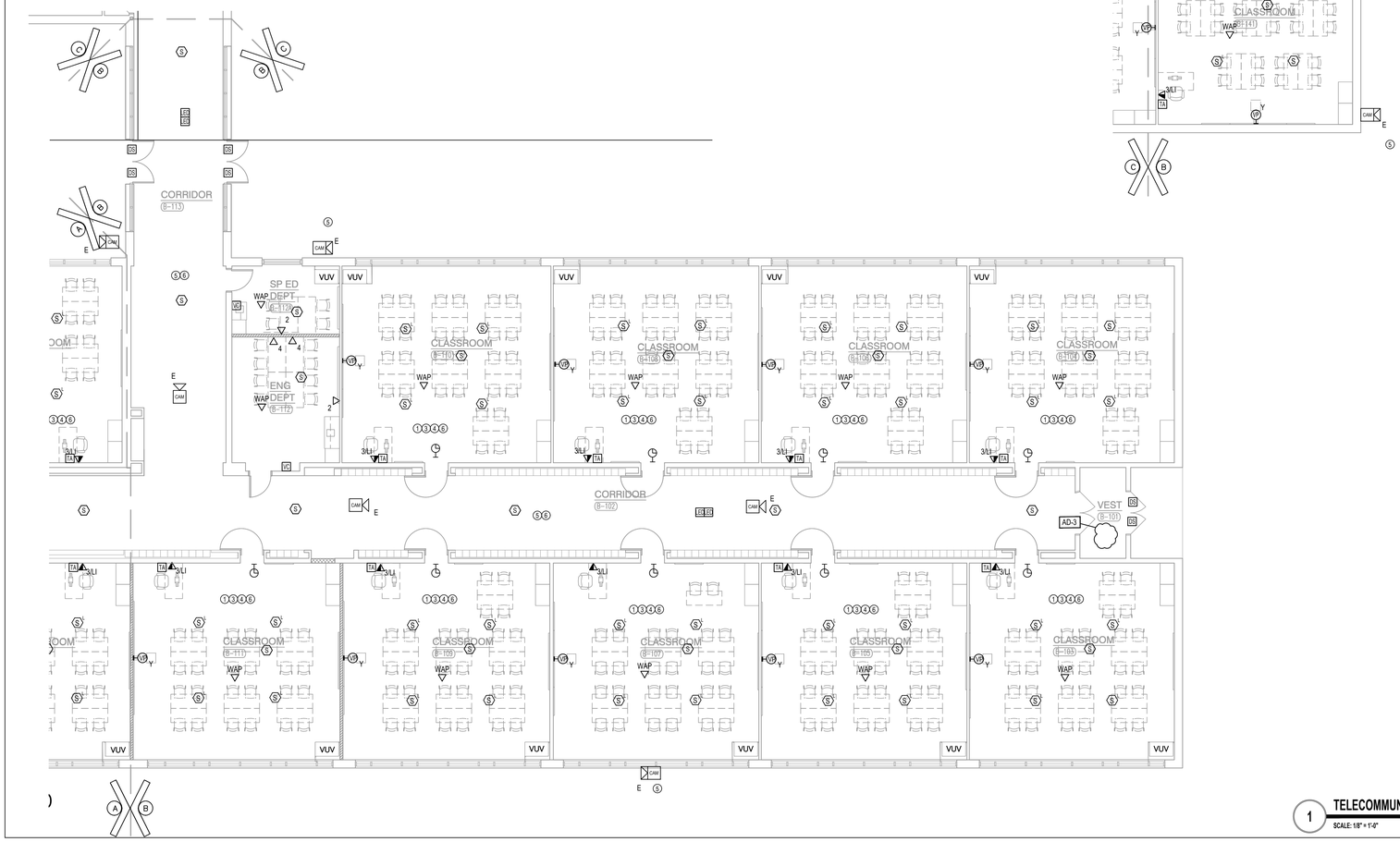
PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
A
T101

D:\DROPBOX\HANNOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS_BASE DRAWINGS\HANOVER HS T100-400 PLAN DRAWINGS.DWG





PLAN NOTES:

(ALL NOTES WILL NOT BE USED ON THIS SHEET.)

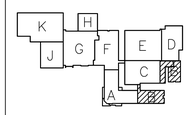
1. NEW TELECOMMUNICATION OUTLET(S) TO BE INSTALLED IN SURFACE RACEWAY WHERE REQUIRED.
2. NOT USED — AD-3
3. EXISTING WIRELESS ACCESS POINT(S) TO BE RE-INSTALLED IN NEW CEILING.
4. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR, TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE RE-INSTALLED IN NEW LOCATIONS AS SHOWN. RETRIEVE DEVICES FROM OWNER DESIGNATED SECURE STORAGE LOCATION. COMPLETE CABLING. PROVIDE NEW WALL MOUNT ARM FOR PROJECTOR MOUNTING ON WALL (EPSON V12H706020)
5. EXISTING SECURITY CAMERA(S), TO BE RE-INSTALLED IN NEW CEILING. PROVIDE A NEW 4 PAIR CAT 6 CABLE TO THE TR; SEE CABLE ZONING ON OVERALL PLAN. COIL NEW CABLE ON SUPPORT ABOVE THE CEILING FOR FUTURE CAMERA REPLACEMENT.
6. EXISTING INTERCOM SPEAKER TO BE RE-INSTALLED IN NEW CEILING.
7. ADD NEW 4 PAIR CABLE TO EACH EXISTING CAMERA LOCATION. TERMINATE IN TC-8 AND TERMINATE AND COIL ABOVE EXISTING CAMERA FOR FUTURE USE.

1 **TELECOMMUNICATIONS PLAN - UNIT B**
SCALE: 1/8" = 1'-0"

TECHNOLOGY DYNAMICS
16412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46060
317.524.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20–144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI Brian K Scott BICSI ID # 114038 Expires 12-31-21

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

DRAWING
TELECOMMUNICATIONS PLAN - UNIT B

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

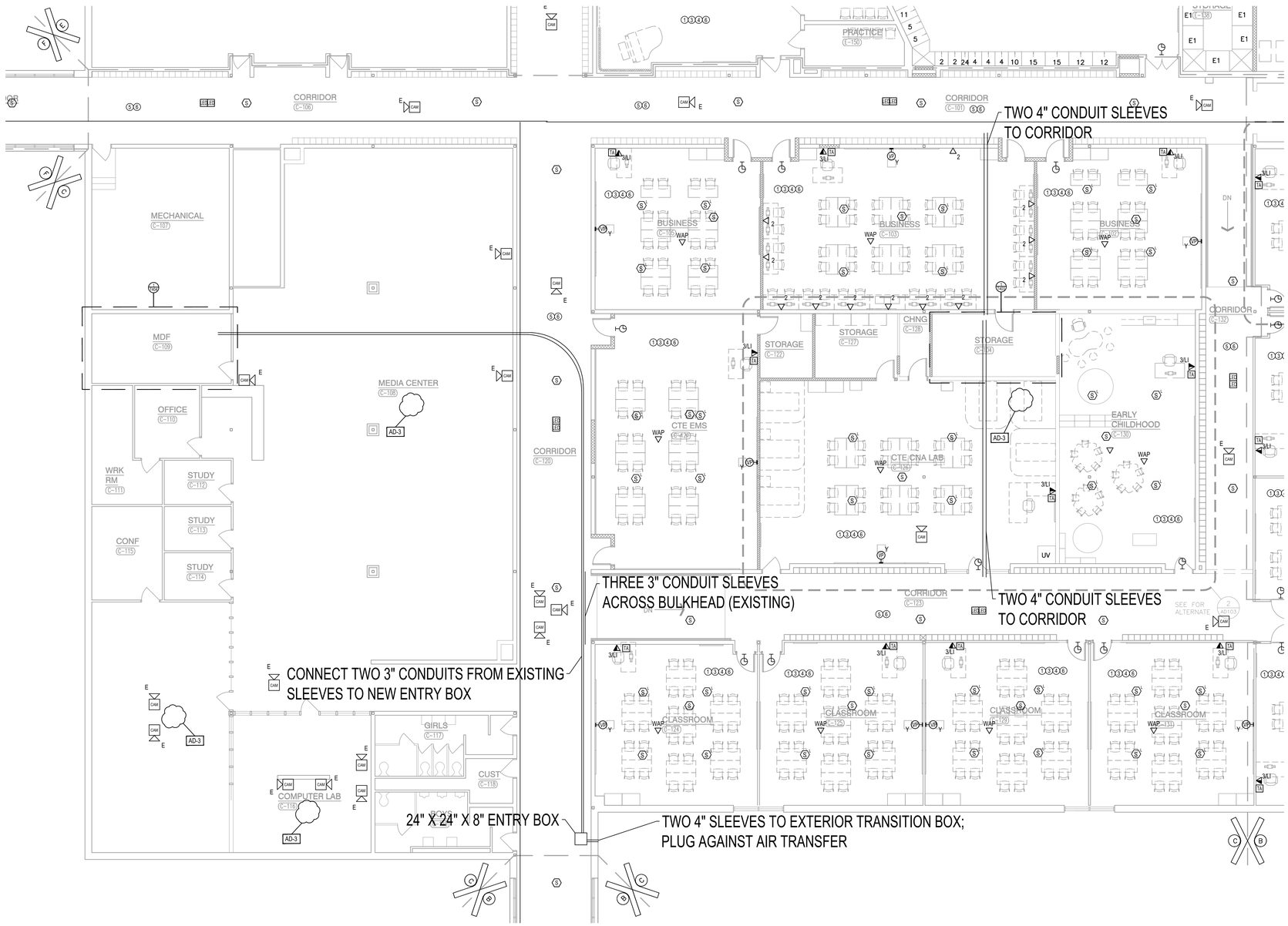
SHEET B T102

D:\DROPBOX\HANOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS_BASE_DRAWINGS\HANOVER HS T100-400 PLAN DRAWINGS.DWG

PLAN NOTES:

(ALL NOTES WILL NOT BE USED ON THIS SHEET.)

1. NEW TELECOMMUNICATION OUTLET(S) TO BE INSTALLED IN SURFACE RACEWAY WHERE REQUIRED.
2. NOT USED — AD-3
3. EXISTING WIRELESS ACCESS POINT(S) TO BE RE-INSTALLED IN NEW CEILING.
4. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR, TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE RE-INSTALLED IN NEW LOCATIONS AS SHOWN. RETRIEVE DEVICES FROM OWNER DESIGNATED SECURE STORAGE LOCATION. COMPLETE CABLING. PROVIDE NEW WALL MOUNT ARM FOR PROJECTOR MOUNTING ON WALL (EPSON V12H706020)
5. EXISTING SECURITY CAMERA(S), TO BE RE-INSTALLED IN NEW CEILING. PROVIDE A NEW 4 PAIR CAT 6 CABLE TO THE TR; SEE CABLE ZONING ON OVERALL PLAN. COIL NEW CABLE ON SUPPORT ABOVE THE CEILING FOR FUTURE CAMERA REPLACEMENT.
6. EXISTING INTERCOM SPEAKER TO BE RE-INSTALLED IN NEW CEILING.
7. ADD NEW 4 PAIR CABLE TO EACH EXISTING CAMERA LOCATION. TERMINATE IN TC-8 AND TERMINATE AND COIL ABOVE EXISTING CAMERA FOR FUTURE USE.

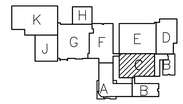


1 **TELECOMMUNICATIONS PLAN - UNIT C**
SCALE: 1/8" = 1'-0"

TECHNOLOGY DYNAMICS
18412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.624.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI CERTIFIED COMMUNICATIONS DISTRIBUTION DESIGNER
Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-21

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

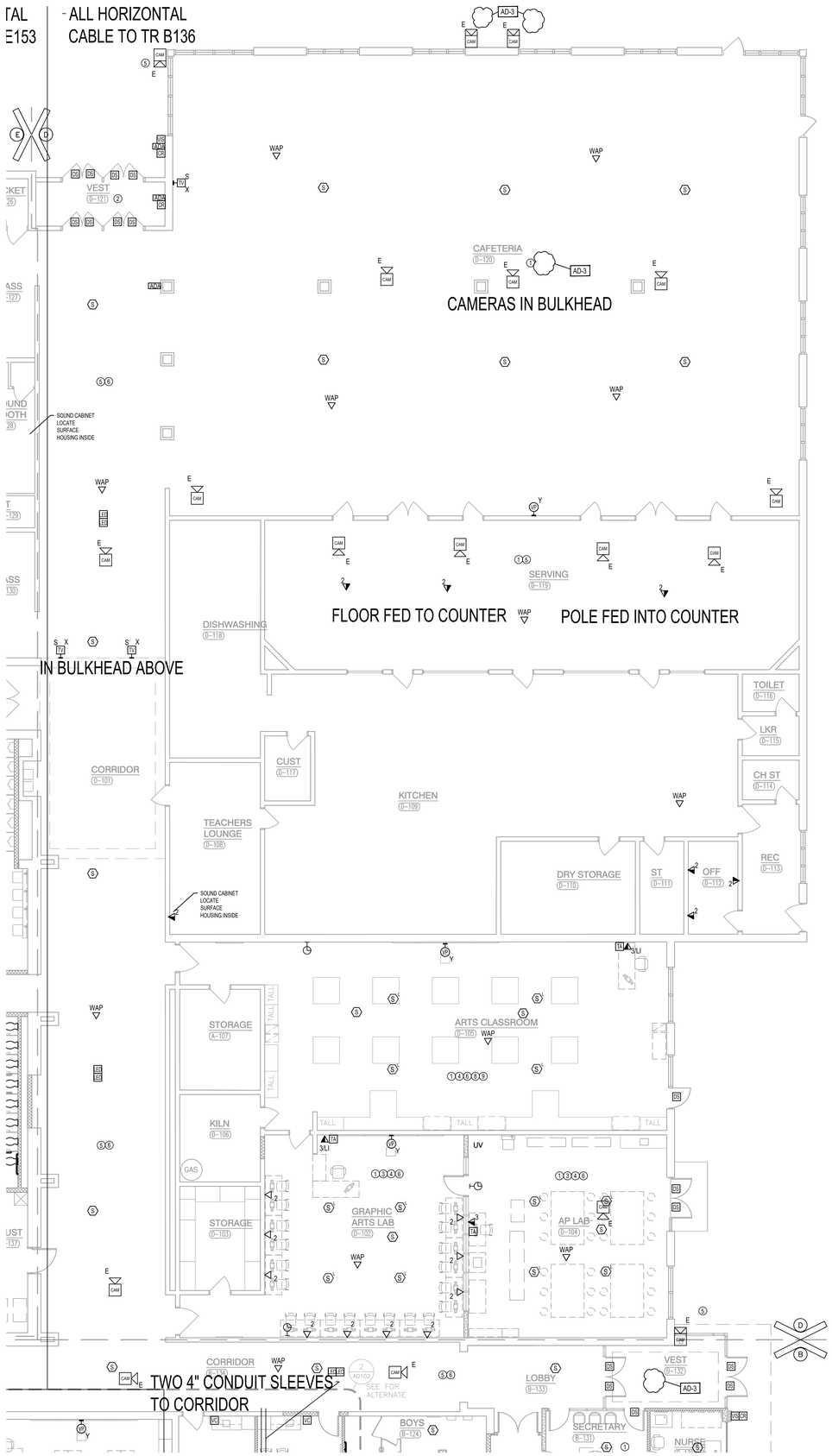
DRAWING
TELECOMMUNICATIONS PLAN - UNIT C

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
C
T103

D:\DROPBOX\HANNOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS BASE DRAWINGS\HANOVER HS T100-400 PLAN DRAWINGS.DWG



1 **TELECOMMUNICATIONS PLAN - UNIT D**
SCALE: 1/8" = 1'-0"

PLAN NOTES:

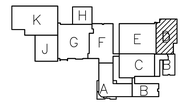
(ALL NOTES WILL NOT BE USED ON THIS SHEET.)

1. NEW TELECOMMUNICATION OUTLET(S) TO BE INSTALLED IN SURFACE RACEWAY WHERE REQUIRED.
2. NOT USED — AD-3
3. EXISTING WIRELESS ACCESS POINT(S) TO BE RE-INSTALLED IN NEW CEILING.
4. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR, TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE RE-INSTALLED IN NEW LOCATIONS AS SHOWN. RETRIEVE DEVICES FROM OWNER DESIGNATED SECURE STORAGE LOCATION. COMPLETE CABLING. PROVIDE NEW WALL MOUNT ARM FOR PROJECTOR MOUNTING ON WALL (EPSON V12H706020)
5. EXISTING SECURITY CAMERA(S), TO BE RE-INSTALLED IN NEW CEILING. PROVIDE A NEW 4 PAIR CAT 6 CABLE TO THE TR; SEE CABLE ZONING ON OVERALL PLAN. COIL NEW CABLE ON SUPPORT ABOVE THE CEILING FOR FUTURE CAMERA REPLACEMENT.
6. EXISTING INTERCOM SPEAKER TO BE RE-INSTALLED IN NEW CEILING.
7. ADD NEW 4 PAIR CABLE TO EACH EXISTING CAMERA LOCATION. TERMINATE IN TC-8 AND TERMINATE AND COIL ABOVE EXISTING CAMERA FOR FUTURE USE.

TECHNOLOGY DYNAMICS
18412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46055
317.524.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI CERTIFIED COMMUNICATIONS DISTRIBUTION DESIGNER
Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-21

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

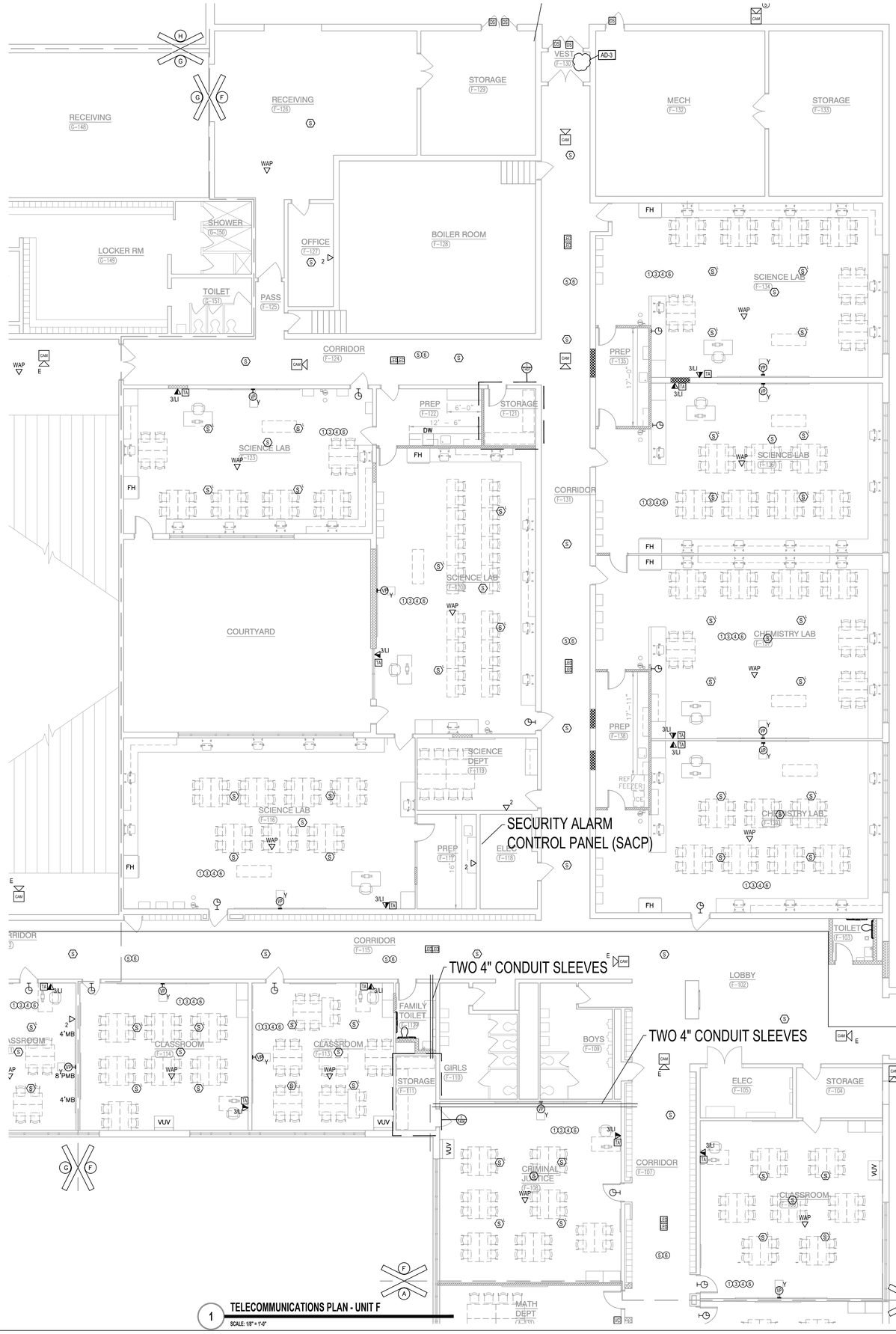
DRAWING
TELECOMMUNICATIONS PLAN - UNIT D

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
D
T104

D:\DROPBOX\HANOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS BASE DRAWINGS\HANOVER HS T100-400 PLAN DRAWINGS.DWG



1 **TELECOMMUNICATIONS PLAN - UNIT F**

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

PLAN NOTES:

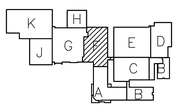
(ALL NOTES WILL NOT BE USED ON THIS SHEET.)

1. NEW TELECOMMUNICATION OUTLET(S) TO BE INSTALLED IN SURFACE RACEWAY WHERE REQUIRED.
2. NOT USED — AD-3
3. EXISTING WIRELESS ACCESS POINT(S) TO BE RE-INSTALLED IN NEW CEILING.
4. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR, TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE RE-INSTALLED IN NEW LOCATIONS AS SHOWN. RETRIEVE DEVICES FROM OWNER DESIGNATED SECURE STORAGE LOCATION. COMPLETE CABLING. PROVIDE NEW WALL MOUNT ARM FOR PROJECTOR MOUNTING ON WALL (EPSON V12H706020)
5. EXISTING SECURITY CAMERA(S), TO BE RE-INSTALLED IN NEW CEILING. PROVIDE A NEW 4 PAIR CAT 6 CABLE TO THE TR; SEE CABLE ZONING ON OVERALL PLAN. COIL NEW CABLE ON SUPPORT ABOVE THE CEILING FOR FUTURE CAMERA REPLACEMENT.
6. EXISTING INTERCOM SPEAKER TO BE RE-INSTALLED IN NEW CEILING.
7. ADD NEW 4 PAIR CABLE TO EACH EXISTING CAMERA LOCATION. TERMINATE IN TC-8 AND TERMINATE AND COIL ABOVE EXISTING CAMERA FOR FUTURE USE.

TECHNOLOGY DYNAMICS
18412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.824.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

RECOMMUNICATIONS/DISTRIBUTION SYSTEMS
BICSI
Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-21
RCDD

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC., SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

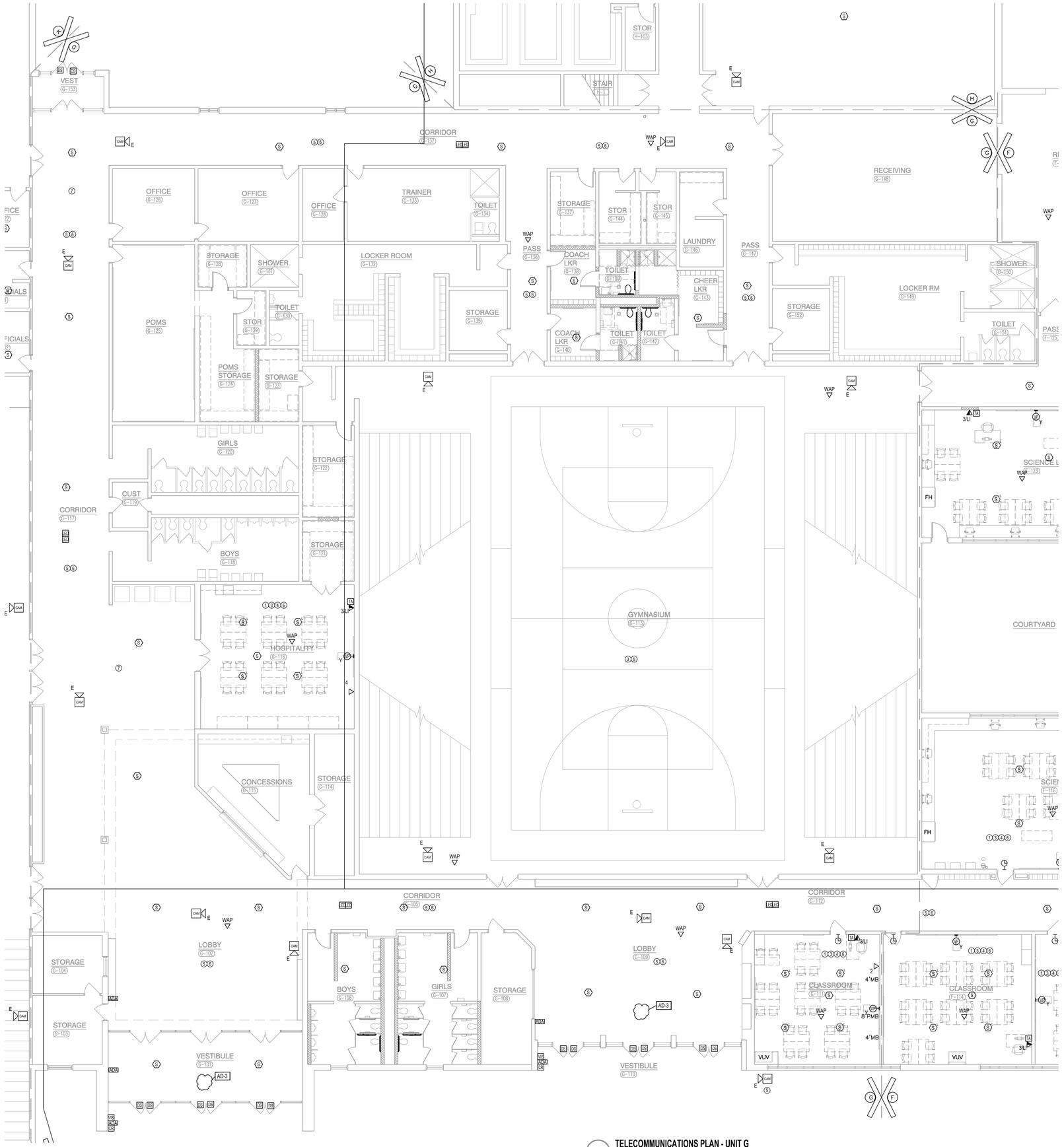
DRAWING
TELECOMMUNICATIONS PLAN - UNIT F

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET F T106

D:\DROPBOX\HANNOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS_BASE DRAWINGS\HANOVER HS T100-400 PLAN DRAWINGS.DWG



1 **TELECOMMUNICATIONS PLAN - UNIT G**

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

PLAN NOTES:

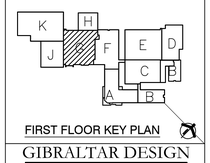
(ALL NOTES WILL NOT BE USED ON THIS SHEET.)

1. NEW TELECOMMUNICATION OUTLET(S) TO BE INSTALLED IN SURFACE RACEWAY WHERE REQUIRED.
2. NOT USED — AD-3
3. EXISTING WIRELESS ACCESS POINT(S) TO BE RE-INSTALLED IN NEW CEILING.
4. EXISTING AUDIO/VIDEO DEVICES (CLASSROOM SOUND SYSTEM (TEACHERS AMP AND SPEAKERS), PROJECTOR, TELEVISION, INTERACTIVE BOARD, AND RELATED MOUNTS AND CABLING, ETC.) TO BE RE-INSTALLED IN NEW LOCATIONS AS SHOWN. RETRIEVE DEVICES FROM OWNER DESIGNATED SECURE STORAGE LOCATION. COMPLETE CABLING. PROVIDE NEW WALL MOUNT ARM FOR PROJECTOR MOUNTING ON WALL (EPSON V12H706020)
5. EXISTING SECURITY CAMERA(S), TO BE RE-INSTALLED IN NEW CEILING. PROVIDE A NEW 4 PAIR CAT 6 CABLE TO THE TR; SEE CABLE ZONING ON OVERALL PLAN. COIL NEW CABLE ON SUPPORT ABOVE THE CEILING FOR FUTURE CAMERA REPLACEMENT.
6. EXISTING INTERCOM SPEAKER TO BE RE-INSTALLED IN NEW CEILING.
7. ADD NEW 4 PAIR CABLE TO EACH EXISTING CAMERA LOCATION. TERMINATE IN TC-8 AND TERMINATE AND COIL ABOVE EXISTING CAMERA FOR FUTURE USE.

TECHNOLOGY DYNAMICS
18412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.824.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI — Brian K Scott, BICSI ID # 114038, Expires 12-31-21, RCDD

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

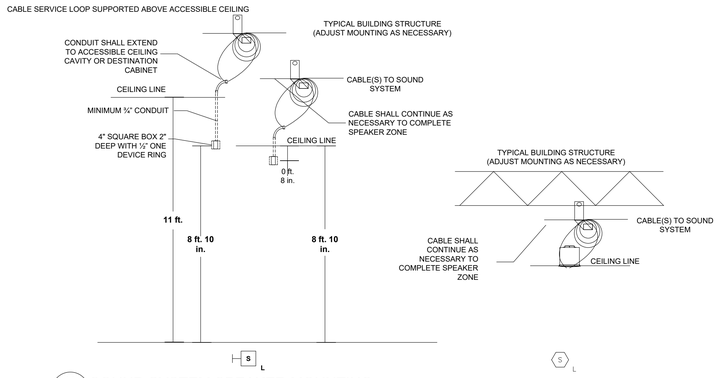
DRAWING
TELECOMMUNICATIONS PLAN - UNIT G

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

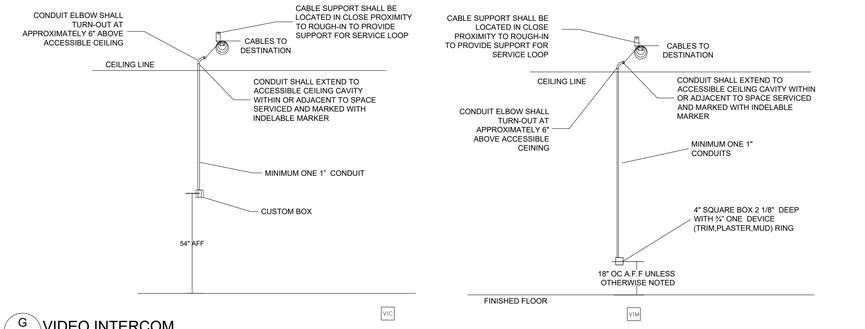
© GIBRALTAR DESIGN

SHEET G T107

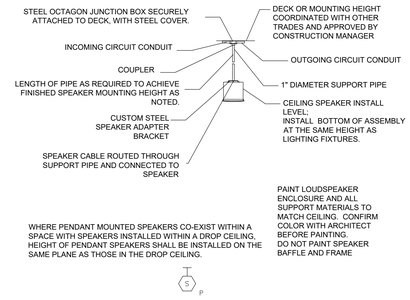
D:\DROPBOX\HANOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS_BASE_DRAWINGS\HANOVER HS T100-400 PLAN DRAWINGS.DWG



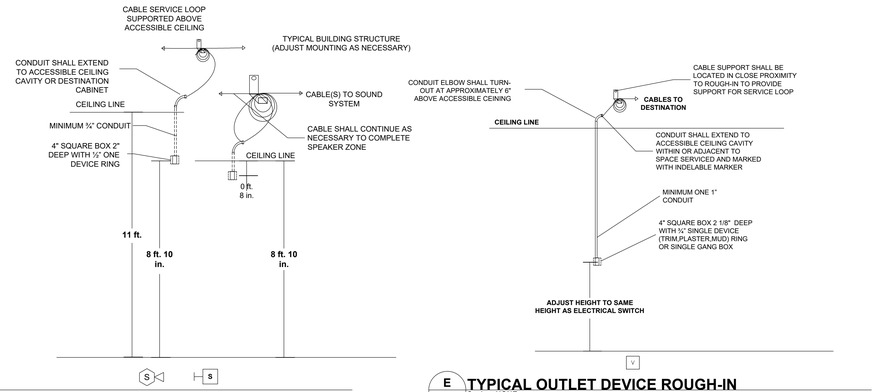
H SOUND SYSTEM SPEAKER MOUNTING
Scale = NONE



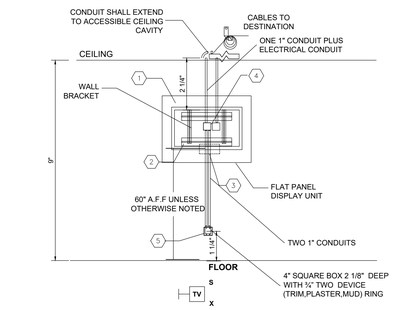
G VIDEO INTERCOM
Scale = NONE



F PAGING/INTERCOM SPEAKER MOUNTING DETAILS
Scale = NONE



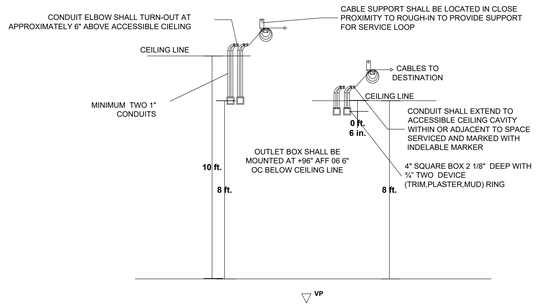
E TYPICAL OUTLET DEVICE ROUGH-IN
Scale = NONE



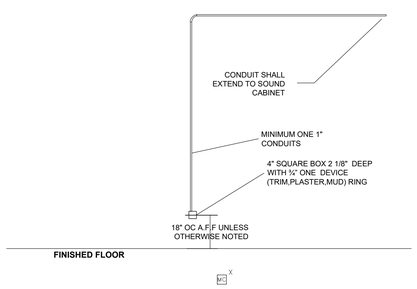
D TYPICAL TELEVISION WALL ELEVATION
Scale = NONE

0 DETAIL KEYED NOTES:

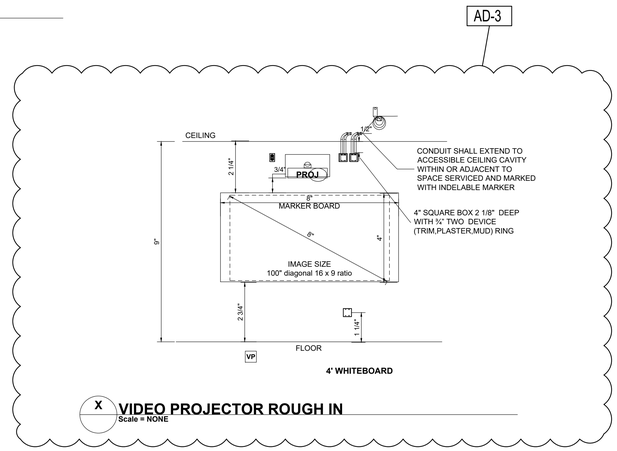
1. PROVIDE 48" WIDE X 36" TALL REQUIRED IN-WALL FIRE RETARDANT TREATED WOOD BLOCKING. COORDINATE LOCATION OF DISPLAY WALL-BOX ROUGH-IN.
2. WALL-MOUNT FOR FLAT PANEL DISPLAY UNIT. COORDINATE WITH WALL-BOX. CENTER WITH STUDS.
3. FSR PWB-100 WALL-BOX FOR COMMUNICATIONS CABLING AND AC POWER. COORDINATE AC POWER. MOUNT TO AND CENTER WITH WALL STUDS. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR FURTHER INFORMATION. MOUNT AC OUTLET BOX AND LOW VOLTAGE CONDUIT ENTRY BOXES AT TOP OF WALL-BOX.
4. AC POWER RECEPTACLE BOX
5. ROUGH-IN BOX FOR AV INPUT PLATE. CENTER WITH FLAT PANEL DISPLAY VIEWING SURFACE.



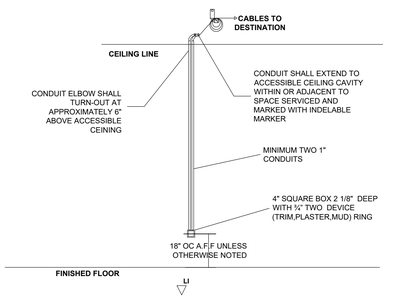
C TYPICAL "UPPER" OUTLET DEVICE ROUGH-IN (WALL MOUNTED)
Scale = NONE



B TYPICAL OUTLET DEVICE ROUGH-IN
Scale = NONE



X VIDEO PROJECTOR ROUGH IN
Scale = NONE



A TYPICAL OUTLET DEVICE ROUGH-IN
Scale = NONE

TECHNOLOGY DYNAMICS
18412 ALLISONVILLE RD., SUITE 216
FISHERS, IN 46038
317.524.6338
www.techdyn.net

HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-144
DATE 03/29/21
COORDINATED BY BKS
DRAWN BY TKP
CHECKED BY BKS

BICSI RCDD Brian K Scott BICSI ID # 114038 Expires 12-31-21

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC, SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-3	04/23/21	ADDENDUM #3

DRAWING
A/V SYSTEMS ROUGH-IN

PROJECT
HANOVER CENTRAL HIGH SCHOOL ADDITIONS AND RENOVATIONS

© GIBRALTAR DESIGN

SHEET
T761

D:\DROPBOX\HANNOVER_COMMUNITY_SCHOOL_CORP\HIGH_SCHOOL\DRAWINGS\HANOVER HS BASE DRAWINGS\HANOVER HS T500-600-700 DETAILS DRAWINGS.DWG