



November 20, 2023

ADDENDUM #1

Owen Valley Middle School Addition and Interior Renovations

The original bid documents and drawings dated November 1, 2023, for the aforementioned project are amended as noted in this Addendum for the purpose of correcting and/or clarifying the original bid documents and drawings and shall take precedence over them. These changes and all incidental items required to provide the following corrections and/or clarifications shall be included even though not specifically described and shall become a part of the Contract Documents. This Addendum is to be sent to all bidders receiving bid documents and drawings and receipt of this Addendum is to be noted by each bidder in their bid proposal.

Revised documents and/or drawings included with this written Addendum include the following:

Documents -

- **Pre-Bid Meeting Agenda**
- **Pre-Bid Meeting Sign-In Sheet**

Drawings -

- **Civil - C6**
- **Architectural - A3, A7, A12, A13, A15**
- **Structural - S5**
- **Plumbing - P4, P7**
- **Electrical - E3, E5, E9**

Pre-Bid Meeting Questions

1. Bidder question - *“Sheet S2, section E shows a new folding partition support beam. Where is the detail for this support beam?”*

Answer - Refer to Existing Roof Framing Plan At New Folding Partition plan on sheet S4, section K on sheet S3 and section Z on sheet S4.

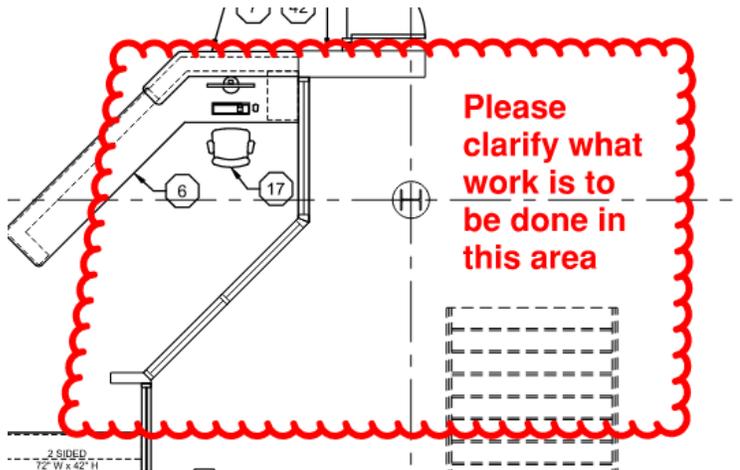
2. Bidder question - *“Is the exterior handrail shown on C6 stainless steel or painted? If it is stainless steel, what type? Is the rail to be fully welded? Number 4 finish?”*

Answer - The handrail should be type 304, stainless steel, fully welded with No. 4 finish.

3. Bidder question - *“What is the existing manufacturer and keyway of the existing keying system?”*

Answer - The owner has confirmed that Best is the existing door lock manufacturer. Keying information is being confirmed and will be issued in a future addendum.

4. Bidder question - *“Should there be borrowed lite frames in this area?”*



Answer - These are existing windows to remain at this location.

5. Bidder question - *“Is there asbestos present?”*

Answer - There is not believed to be asbestos present at the project location. Owner has tri-annual inspection documents that can be made available for Contractor’s review.

6. Bidder question - *“Are the water closets being reused or are there new water closets required? There was no indication in the drawing specifications.”*

Answer - Only (2) water closets are to be removed and saved for reinstallation. One is located in Existing Restroom (RR128A) and the other is in Existing Restroom (RR128B). Refer to demolition keynote #6 on sheet P1. The new water closet specification (WC) is shown on sheet P7.

7. Bidder question - *“There was reference to reworking existing fin-tube covers. What exactly is to be done to the fin-tube covers and/or piping?”*

Answer - On the second floor, if Alternate #2 is accepted, the existing fin-tube below the windows on the east wall will require rework of the covers at new wall locations only. Existing fin-tube will remain in operation after completion of project. Refer to construction keynote #7 on sheet A4.

Drawings

Sheet C6 - The notes on the exterior handrail have been updated.

Sheet A3 - Wall type note has been added above the Vestibule to close off portal with ceiling above.

Sheet A7- Exterior soffit has been shown at the main entry. Lights at this location have been changed to a linear fixture. Lights have been modified on the Extended Corridor Plan.

Sheet A12 - Updated grading on elevation to match Civil drawings.

Sheet A13 - Note added for drip edge flashing at the bottom of the masonry opening.
Sheet A15 - Hardware sets revised.

Sheet S5 - Foundation notes added.

Sheet P4 - Notes reworked at relocated fixtures for better clarity.

Sheet P7 - Space added between lavatory specification and water closet specification for better clarity.

Sheet E3 - Remote switches added to plan to match door hardware schedules.

Sheet E5 - Light fixtures modified at the main entry and Extended Corridor Plan.

Sheet E9 - Light fixtures revised on the schedule.

Approved Substitutions

Operable Partition Wall

After reviewing the submitted product information and corresponding with the product representative who has confirmed that all components of the specified product can be met, the Moderco Signature 843-E electrically-operated partition wall has been approved. Product representative contact information is as follows:

Bob Senseman, Vice President
Lee Company, Inc.
27 South 12th Street
Terre Haute, Indiana 47807
Office- (812) 235-8155
Email- bsenseman@leecompanyinc.com

The Issued for Construction drawing set will include the Architect's stamp and all Addendum items will be clouded for easy identification.

End of Addendum #1

Gordon Klaus, RA, ALA, NCARB
Principal, Director of Architectural Design
Three I Design
Engineering + Architecture

Cc: file
Scott Stenftenagel, Clerk of the Works

Spencer Owen Community School Corporation
Owen Valley Addition and Renovation Project
PRE-BID MEETING AGENDA
November 15, 2023, 4 PM EDT

1 Introductions

A. SCHOOL CORPORATION

- **Superintendent**
Andy Cline
Email: acline@socs.k12.in.us
Office Phone: (812) 829-2233

- **Middle School Principal**
Tom Arthur
Email: tarthur@socs.k12.in.us
Office Phone: 812-829-2249

B. OWNER REPRESENTATION

- Clerk of the Works
The Stenftenagel Group L.L.C.
Dana Geldhof
Email: dana@stengroup.com
Phone: 812 639-6709

- Scott Stenftenagel
Email: scott@stengroup.com
Phone: 812 639-8177

C. ARCHITECT

- Three-i Design
2425 W Indiana St, Evansville, IN 47712
Phone: (812) 423-6800
Project Architect: Gordon Klaus
Email: gklaus@threeidesign.com

2 Sign-in Sheet

- A. A Sign-in Sheet is being circulated. Everyone is required to sign-in and print legibly.

2.2 Bids

- A. Sealed bids will be received by Spencer-Owen Community Schools (herein referred to as the "School Corporation") at the Superintendent's Office, located at 205 East Hillside Ave, Spencer, Indiana 47460, until 1 PM EDT, local time, Tuesday, December 5, 2023.
- B. The Work shall be Bid as one unified Prime Contract.
- C. Bids will be publicly opened and read aloud in the boardroom at the above time and place. Bids received later than such hour will be returned unopened.

Spencer Owen Community School Corporation
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November 15, 2023, 4 PM EDT

2.3 Drawings and Specifications

- A. The work on this project shall be performed in accordance with the Drawings and Specifications as well as all other Contract Documents prepared by Three-i Design.
- B. Copies of the Drawings and Specifications may be obtained from Repro Graphix, 14 N.W. 6th Street, Evansville, IN 47708, Phone: (812) 422-2400.
- C. Complete and detailed Drawings and Specifications for this work, including but not limited to the instructions to Bidders, General Conditions, and General Requirements are on file and may be **examined** at the following places:

McGraw-Hill Construction Dodge
8900 Keystone Crossing, Suite 540, Indianapolis, Indiana 46240
Phone: (317) 817-9110 / Fax: (317) 571-8201

ConstructConnect
3825 Edwards Road, Suite 800
Cincinnati, OH 45209
Phone: 800-364-2059 <https://www.constructconnect.com>

BX Indiana / Construction League
1200 South Madison Avenue
Indianapolis, Indiana 46225
Phone: (317) 423-7080 / Fax: (317) 423-7094

By appointment only:

Spencer-Owen Community Schools
205 East Hillside Ave.
Spencer, Indiana 47460

Spencer Owen Community School Corporation
Owen Valley Addition and Renovation Project
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2.4 Contract Document Interpretation

- A. Bidders requesting Drawing or Specification interpretation from the Architect during the bidding period should contact the following **no later end of day Monday November 27th**: Three-I Design; Gordon Klaus; Email: gklaus@threeidesign.com; Phone: 812 423-6800.

2.5 Preparation and Submission of Bids (The following must be submitted with the Bid)

- A. As a result of House Bill 1019 (2015) and Senate Bill 375 (2016), effective January 1, 2017, **Contractors bidding public works projects must be pre-qualified with the State Department of Public Works before beginning construction on projects.** Contractors bidding this project must be pre-qualified at a minimum under the following: 1542.00A Institutional Buildings (Hospitals, Schools, Prisons) in excess of \$1,000,000. Please refer to each above listed Section for additional information. **Contractors must submit their current Indiana Department of Public Works Administration Certificate of qualification with the Bid.**
- B. Bids shall be submitted on form included in the Project Manual which is based on the Indiana State Board of Accounts Form 96 (Revised 2013), prescribed by the Indiana State Board of Accounts (Bid Form).
- C. Bond:
- a. Each bid shall be accompanied by an acceptable certified check, cashier's check, or bid bond as provided in Acts 1969, Chapter 483, payable to the order of the School Corporation in an amount not less than five percent (5 percent) of the total bid.
- D. Financial Statement:
- a. Each bid shall be accompanied by a Financial Statement.
- E. Non-Collusion Affidavit:
- a. Each bidder shall furnish with his bid an affidavit that such bidder has not directly or indirectly entered into a combination, undertaking, collusion, or agreement with any other bidder or prospective bidder, or with any officer or members of the School Corporation which tends to or does lessen or destroy free competition in the letting of contracts sought for by these Instructions to Bidders.
- F. E Verify: Contractors shall submit their current E Verify form with the Bid.
- G. Bid Duration: The bidder agrees to hold the bid open for a period of 60 days after the date of opening.
- H. Allowance Amount: Contractor should include an Allowance Amount of \$80,000 in the Base Bid amount.

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Owen Valley Addition and Renovation Project
PRE-BID MEETING AGENDA
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2.6 Rejection of Bids

- A. The School Corporation reserves the right to reject any and all bids and to waive any formalities in the bidding.

2.7 Site Visit

- A. A walk-thru of the existing site will be held immediately following the question and answer period.
- B. In any case, prior to bidding, all Contractors bidding on this work shall be required to make a personal inspection of the existing site and area to verify the existing conditions, materials and that the bidder has included all of the requirements in his bid proposal to properly complete the work.

2.8 Bid Form

- A. Please fill out the Form 96 Public Works Bid Form as well as the Supplemental Bid Form in their entirety.
- B. Alternates: See Section 01 23 00; Alternates and Drawing Sheets for full description of Alternates.

ALTERNATE 1: Second Floor Teacher' Lounge / Workroom #203 and Unisex Restroom #203A.

ALTERNATE 2: Second Floor Remodel Work in Corridor #200, Large Group Meeting Room #204, Large Group Meeting Room #207, and Large Group Meeting Room #208.

ALTERNATE 3: Re-Skin Bookshelves from existing Media Center.

ALTERNATE 4: New Ceiling Tile and Grid in Lobby Corridor #COR 101, Corridor #COR 102, Teacher's Lounge / Workroom #203, Restroom #203A, Large Group Meeting Room #204, Large Group Meeting Room #207 and Large Group Instruction Room #208

ALTERNATE 5: Second Floor Window Shades in Conference Room #202 and Teacher's Lounge / Workroom #203.

ALTERNATE 6: Electrical Feed for new AHU.

ALTERNATE 7: VAV Box Replacement.

- C. Required Documents to be submitted with the Contractors Bid:
- Form 96 – Contractor's Bid For Public Works (Current Revision) Indiana State Board of Accounts Form with Questionnaire.
 - Bidder's Financial Statement
 - Bid Security- Bid Bond
 - State Department of Public Works Qualification Certificate (Current Certificate)

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2.9 Subcontractors and Materials

- A. The Architect and Owner's Representative will receive the complete subcontractor and materials list proposed by the low bid Contractor by email no later than 1:00 p.m. on the day following the bidding. Said list shall be confirmed in writing within forty-eight (48) hours thereafter. If low bidders do not comply with the same, the Architect and School Corporation will consider the bid incomplete and may take any action required to obtain a complete and responsible bid. Said list, upon approval, will be filed with the School Corporation and shall not be changed except by an approved Change Order.

2.10 Scope of Work (General Description)

- A. **Work** consists of the following general description but not limited to the following: Complete removal of existing exterior pavement and soffit to create new Administration Office addition and secured entrance, new concrete floor slab construction, exterior concrete pavement-walk and railings, exterior associated sitework and existing sanitary sewer modifications. The existing interior Administration Offices will be renovated. The Work, in general, to be performed in the renovated and new Administration Offices and support spaces consists of removal of existing walls, finishes, electrical and HVAC, installation of new walls, finishes, doors, aluminum storefront systems with security glazing, ceilings, aluminum soffit panels, window units, casework, light fixtures, electrical devices, card access and electronic door hardware, voice/data cabling and devices, finishes, plumbing fixtures, privacy curtains, toilet accessories, new HVAC AHU, ductwork, VAVs, grills, diffusers, test and balance, building management systems (BMS) additions and modifications, rework existing wet-pipe sprinkler system heads, installation of new wet-pipe sprinkler system, fire alarm system, etc.... The new Administration Office area will be conditioned by a new AHU which will be installed inside an existing adjacent Storage Room. The existing upper-level Media Center and adjacent space will be renovated as Alternates. There are several Alternates. Refer to Alternate Specification and Drawing Sheets for additional information. There is also structural and brick (masonry) work to be performed to the existing canopy structure and brick façade to reinforce the steel structure which supports the exterior brick veneer. The Contractor will be required to remove and relocate the Owner equipment and loose furniture as indicated on the drawing sheets. All work has substantial completion dates that must be adhered to. Monetary penalties will apply if substantial completion dates and punch lists are not completed as indicated in the plans and specifications.
- B. **No Substitution Equipment:** AHU-1 as indicated in the drawings shall be by Miller Picking with no allowable substitutions. The Owner, Engineer and product manufacturer have coordinated and selected this AHU due to the lead-times of other AHU's. This AHU will be provided by the Contractor. Attached for reference will be the approved AHU submittal. The Contractor shall review and upon finding it acceptable, immediately secure this equipment with the AHU manufacturer.

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November 15, 2023, 4 PM EDT

- C. The Contractor shall be responsible for temporary enclosures to secure construction areas and to seal-off areas to keep dust and fumes from entering adjacent spaces during all construction activities.
- D. During construction, the Contractor shall be responsible for securing all exterior openings at the end of each workday.
- E. Site visits may be scheduled with: Dana Geldhoff, phone 812 639-6709. Email: dana@stengroup.com. NOTE: visits shall be scheduled at a minimum of 24 hours in advance.

2.11 Site Access

- A. Contractors should carefully read General Conditions and all Sections and examine drawings to become familiar with the site access, Contractor lay-down areas, staging areas, requirements and restrictions.
- B. Existing pavement and sidewalks shall be protected. Existing buildings and adjacent parking lots and drives shall remain in use during the entire project period.

2.12 Schedule

- A. **DECEMBER 14, 2023** – Tentative Date for School Board to Award Contracts
- DECEMBER 15, 2023** – Tentative Date for Contractor to be issued Notice to Proceed. Immediately start development of submittals.
- FEBRUARY 2, 2024** – All submittals have been submitted and approved.
- MAY 27, 2024** – Project Start Date. (Refer to Construction Phasing Plan Drawing for areas to start construction activities)
- AUGUST 2, 2024** – Substantial Completion Date for the Nurses Suite Area and Main Entrance Sidewalk, Main Entrance and SRO Office.
- AUGUST 2, 2024** - Substantial Completion Date for Upper-Level Work if these Alternates are approved.
- NOVEMBER 8, 2024** – Substantial Completion Date for new Administration Office areas and support spaces.
- NOVEMBER 18, 2024** – Start Date for demolition activities and new construction at existing Administration Office areas and support spaces.
- FEBRUARY 28, 2025** – Substantial Completion Date for renovated existing Administration Office Area, new Media Center and associated spaces.
- MARCH 28, 2025** – CLOSEOUT DOCUMENTS

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- B. The Contractor is expected to provide the proper management, coordination of subcontractors, procurement of materials and equipment, necessary manpower, means and method, work the required hours, including weekends and holidays to meet the above listed Dates at no extra cost to the Owner.

2.13 Monetary Penalties

- A. There shall be Monetary Penalties associated for failure to complete given tasks within the given associated time periods and upon notifications of non-compliance for such tasks listed for the project. The Schedule of Penalties are as follows:
 - a. **Substantial Completion:** \$250 per calendar day for each calendar day after the stipulated Substantial Completion Date, unless previously waived in writing by the Owner's Representative.
 - b. **Punch List Items Completion:** Unless previously discussed and approved in writing by the Owner's Representative and/or the Architect, all Punch List items shall be completed within 7 calendar days after the Substantial Completion Date. The Contractor shall be charged \$150.00 per calendar day past the designated time noted above for failure to have completed all Punch List Items to the satisfaction of the Architect, Engineer and Owner's Representative.

2.14 Question and Answer Period (Pre-Bid Meeting)

- A. The Pre-Bid Meeting Minutes, instructions, comments and interpretations shall be a part of the Contract Documents and shall have the same force as if they were incorporated therein.

2.15 Other Comments

- A. Contractor shall provide interior temporary wall construction at areas as designated on plans.
- B. Provide temporary equipment to maintain temperature, proper and acceptable humidity levels, and ventilation in enclosed areas to provide ambient conditions for storage, preparation, and Work; to cure installed materials, to prevent condensation, and to prevent accumulations of dust, fumes, and gasses. See Temporary Facilities and Controls Section 01 50 00 for additional information.
- C. **Construction areas conditioned by existing HVAC equipment;** the Contractor shall be responsible for filter changes of all existing HVAC equipment (VAVs, AHUs) serving all of the construction areas conditioned by existing HVAC equipment. See Temporary Facilities and Controls Section 01 50 00 for additional information.
- D. Contractor is responsible for implementing and maintaining all requirements of the Criminal History Background Check Policy. There are monetary damages for Contractors not complying with these requirements. This will be enforced.

Spencer Owen Community School Corporation
Owen Valley Addition and Renovation Project
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- E. A qualified and experienced Project Superintendent is required to be on-site **at all times** during any and all activities.
- F. All Progress Meetings will be conducted at Spencer Owen Middle School.
- G. Addendum will be issued accordingly. Please check with Reprographics site for all Addenda.

2.16 Questions and Comments from Pre-Bid Meeting:

A. _

General Information

Project Name: SPENCER OWEN MIDDLE SCHOOL ADDITION AND RENOVATIONS

School Corporation: SPENCER OWEN COMMUNITY SCHOOL CORPORATION

11-15-23 Owen Valley Middle School
Date Location

Attendance

Name	Company	Phone/Email
SCOTT STENFTENAGEL	The Stenftenagel Group LLC	scott@stengroup.com (812)639.8177
DANA GELDHOF	The Stenftenagel Group LLC	dana@stengroup.com (812)639.9709
Trace Harruff	CDI, Inc.	estimating@cdiinc.net ⁸¹²⁻²³²⁻³³²⁷
Marty Ryan	Fc Moran Fire protect	Marty.Ryan@femoran.com ³¹⁷⁻⁶⁹⁰⁻³⁹⁵³
TRENT ELDRIIDGE	THE PETERSON Co	TELDRIIDGE@THEPETERSONCO.COM
Trevor Huber	AA Huber + sons	thuber@ashuber.com 765-653-3133
CHRIS NEAL	SCS CONSTRUCTION	ESTIMATING@SCSCONSTRUCTION.NET
Colonel May	Ferrer Mechanical	colonel@ferrer-MS.COM
Kyle Mann	Taber Owens	kyle.mann@taberowens.com
COY TABER	TABER OWENS CONST.	coy.taber@taberowens.com
NATE STAFF	DANCO CONSTRUCTION	KAIT@danco-construction.com
Dennis Reagan	FHP	dreagan@fhperden.com
Brett Worland	General Interiors	bworland@generalinteriors.com
Lucas Griffith	WOODS	lucas.griffith@woods-electric.com
Cody Vest	Strawser Construction	CVest@strawserCCI.com
Samantha Ginnell	FH Paschen	sginnell@fhpaschen.com
Lacey Medlin	FHP	lmedlin@fhpaschen.com
RANDY MILLER	HFI	RMILLER@HARRELL-FISH.COM
Kyle DeHart	Hannig Construction	kdehart@hannigconstruction.com
MIKE PETERSON	GARMONG	MPETERSON@GARMONG.NET
Chris Kelley	Electric Plus Inc	ckelley@electricplus.com
LAUREN WARGEL	3i DESIGN	lwargel@threeidesign.com



**ADDITION AND INTERIOR RENOVATIONS
OWEN VALLEY MIDDLE SCHOOL
626 IN-46, SPENCER, INDIANA 47460**

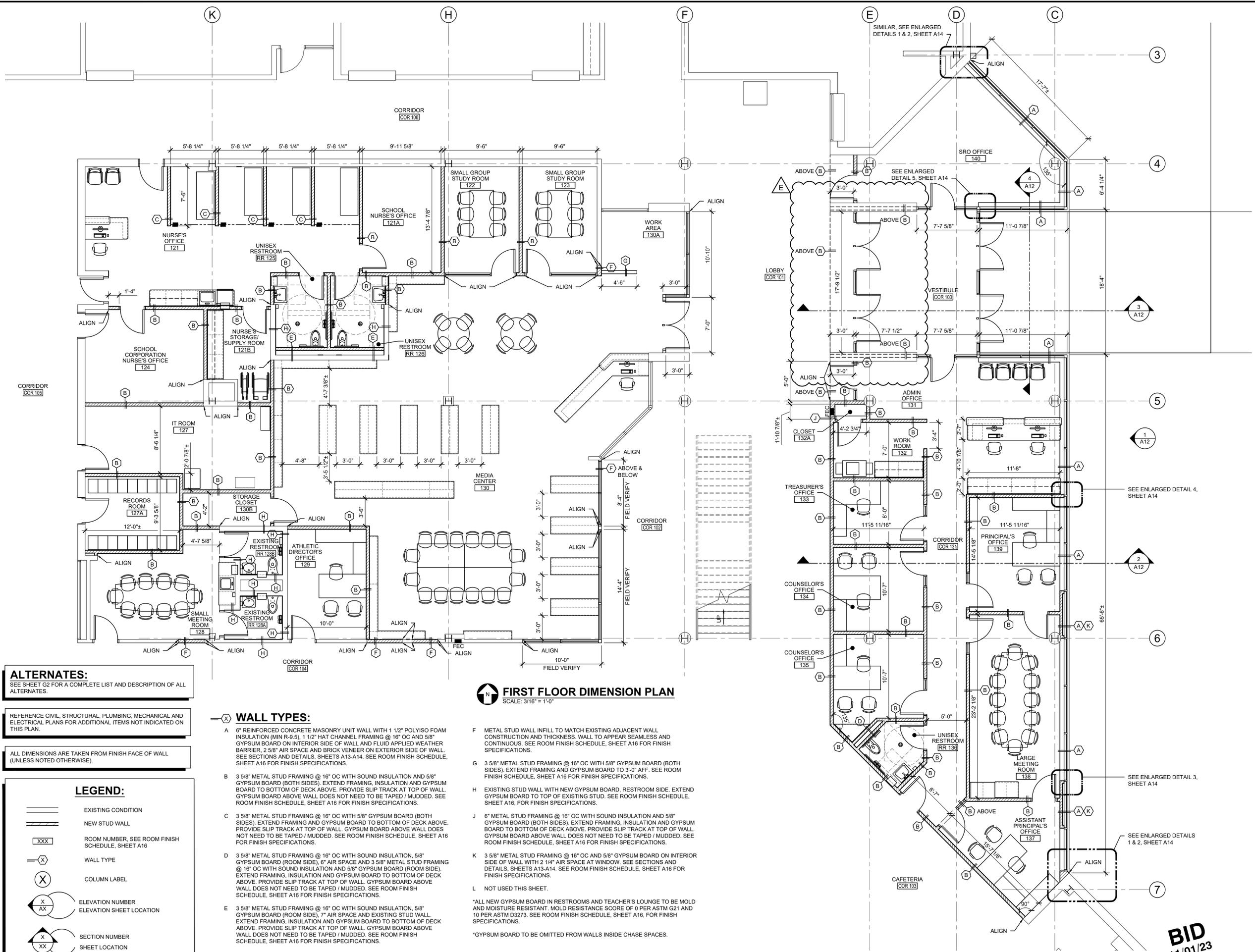
FIRST FLOOR
DIMENSION PLAN

DRAWN BY: LEW DESIGNED BY: GPK
CHECKED BY: GPK DATE: 05/02/23

SCALE: 3/16" = 1' - 0"
PROJECT NUMBER: 22286A

SHEET NO: **A3**
14 of 58

BID
11/01/23



FIRST FLOOR DIMENSION PLAN
SCALE: 3/16" = 1'-0"

ALTERNATES:
SEE SHEET G2 FOR A COMPLETE LIST AND DESCRIPTION OF ALL ALTERNATES.

REFERENCE CIVIL, STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL ITEMS NOT INDICATED ON THIS PLAN.

ALL DIMENSIONS ARE TAKEN FROM FINISH FACE OF WALL (UNLESS NOTED OTHERWISE).

LEGEND:

- EXISTING CONDITION
- NEW STUD WALL
- ROOM NUMBER, SEE ROOM FINISH SCHEDULE, SHEET A16
- WALL TYPE
- COLUMN LABEL
- ELEVATION NUMBER
ELEVATION SHEET LOCATION
- SECTION NUMBER
SHEET LOCATION

- WALL TYPES:**
- A 6" REINFORCED CONCRETE MASONRY UNIT WALL WITH 1 1/2" POLYISO FOAM INSULATION (MIN R-9.5), 1 1/2" HAT CHANNEL FRAMING @ 16" OC AND 5/8" GYPSUM BOARD ON INTERIOR SIDE OF WALL AND FLUID APPLIED WEATHER BARRIER, 2 5/8" AIR SPACE AND BRICK VENEER ON EXTERIOR SIDE OF WALL. SEE SECTIONS AND DETAILS, SHEETS A13-A14. SEE ROOM FINISH SCHEDULE, SHEET A16 FOR FINISH SPECIFICATIONS.
 - B 3 5/8" METAL STUD FRAMING @ 16" OC WITH SOUND INSULATION AND 5/8" GYPSUM BOARD (BOTH SIDES). EXTEND FRAMING, INSULATION AND GYPSUM BOARD TO BOTTOM OF DECK ABOVE. PROVIDE SLIP TRACK AT TOP OF WALL. GYPSUM BOARD ABOVE WALL DOES NOT NEED TO BE TAPED / MUDDED. SEE ROOM FINISH SCHEDULE, SHEET A16 FOR FINISH SPECIFICATIONS.
 - C 3 5/8" METAL STUD FRAMING @ 16" OC WITH SOUND INSULATION AND 5/8" GYPSUM BOARD (BOTH SIDES). EXTEND FRAMING AND GYPSUM BOARD TO BOTTOM OF DECK ABOVE. PROVIDE SLIP TRACK AT TOP OF WALL. GYPSUM BOARD ABOVE WALL DOES NOT NEED TO BE TAPED / MUDDED. SEE ROOM FINISH SCHEDULE, SHEET A16 FOR FINISH SPECIFICATIONS.
 - D 3 5/8" METAL STUD FRAMING @ 16" OC WITH SOUND INSULATION, 5/8" GYPSUM BOARD (ROOM SIDE), 6" AIR SPACE AND 3 5/8" METAL STUD FRAMING @ 16" OC WITH SOUND INSULATION AND 5/8" GYPSUM BOARD (ROOM SIDE). EXTEND FRAMING, INSULATION AND GYPSUM BOARD TO BOTTOM OF DECK ABOVE. PROVIDE SLIP TRACK AT TOP OF WALL. GYPSUM BOARD ABOVE WALL DOES NOT NEED TO BE TAPED / MUDDED. SEE ROOM FINISH SCHEDULE, SHEET A16 FOR FINISH SPECIFICATIONS.
 - E 3 5/8" METAL STUD FRAMING @ 16" OC WITH SOUND INSULATION, 5/8" GYPSUM BOARD (ROOM SIDE), 7" AIR SPACE AND EXISTING STUD WALL. EXTEND FRAMING, INSULATION AND GYPSUM BOARD TO BOTTOM OF DECK ABOVE. PROVIDE SLIP TRACK AT TOP OF WALL. GYPSUM BOARD ABOVE WALL DOES NOT NEED TO BE TAPED / MUDDED. SEE ROOM FINISH SCHEDULE, SHEET A16 FOR FINISH SPECIFICATIONS.

- F METAL STUD WALL INFILL TO MATCH EXISTING ADJACENT WALL CONSTRUCTION AND THICKNESS. WALL TO APPEAR SEAMLESS AND CONTINUOUS. SEE ROOM FINISH SCHEDULE, SHEET A16 FOR FINISH SPECIFICATIONS.
- G 3 5/8" METAL STUD FRAMING @ 16" OC WITH 5/8" GYPSUM BOARD (BOTH SIDES). EXTEND FRAMING AND GYPSUM BOARD TO 3'-0" AFF. SEE ROOM FINISH SCHEDULE, SHEET A16 FOR FINISH SPECIFICATIONS.
- H EXISTING STUD WALL WITH NEW GYPSUM BOARD, RESTROOM SIDE. EXTEND GYPSUM BOARD TO TOP OF EXISTING STUD. SEE ROOM FINISH SCHEDULE, SHEET A16, FOR FINISH SPECIFICATIONS.
- J 6" METAL STUD FRAMING @ 16" OC WITH SOUND INSULATION AND 5/8" GYPSUM BOARD (BOTH SIDES). EXTEND FRAMING, INSULATION AND GYPSUM BOARD TO BOTTOM OF DECK ABOVE. PROVIDE SLIP TRACK AT TOP OF WALL. GYPSUM BOARD ABOVE WALL DOES NOT NEED TO BE TAPED / MUDDED. SEE ROOM FINISH SCHEDULE, SHEET A16 FOR FINISH SPECIFICATIONS.
- K 3 5/8" METAL STUD FRAMING @ 16" OC AND 5/8" GYPSUM BOARD ON INTERIOR SIDE OF WALL WITH 2 1/4" AIR SPACE AT WINDOW. SEE SECTIONS AND DETAILS, SHEETS A13-A14. SEE ROOM FINISH SCHEDULE, SHEET A16 FOR FINISH SPECIFICATIONS.
- L NOT USED THIS SHEET.

*ALL NEW GYPSUM BOARD IN RESTROOMS AND TEACHER'S LOUNGE TO BE MOLD AND MOISTURE RESISTANT. MOLD RESISTANCE SCORE OF 0 PER ASTM G21 AND 10 PER ASTM D3273. SEE ROOM FINISH SCHEDULE, SHEET A16, FOR FINISH SPECIFICATIONS.
*GYPSUM BOARD TO BE OMITTED FROM WALLS INSIDE CHASE SPACES.

Nov 14, 2023 - 2:51pm N:\Clients\SZ\Spencer-Owen Community Schools\22286A\3 Spencer-Owen Secured Entrance & Canopy\22286A\3.dwg Plotted By: Iwargel



**ADDITION AND INTERIOR RENOVATIONS
OWEN VALLEY MIDDLE SCHOOL
626 IN-46, SPENCER, INDIANA 47460**

FIRST FLOOR
REFLECTED CEILING PLAN

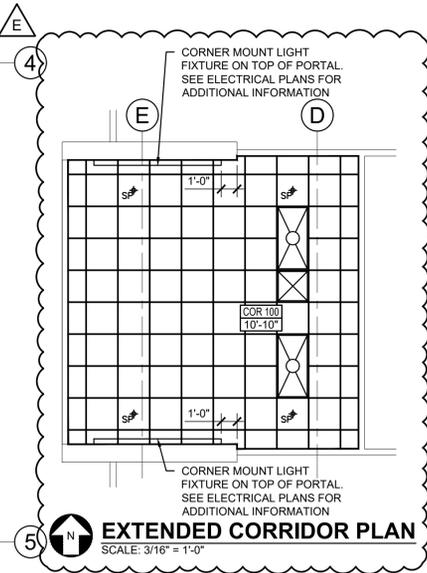
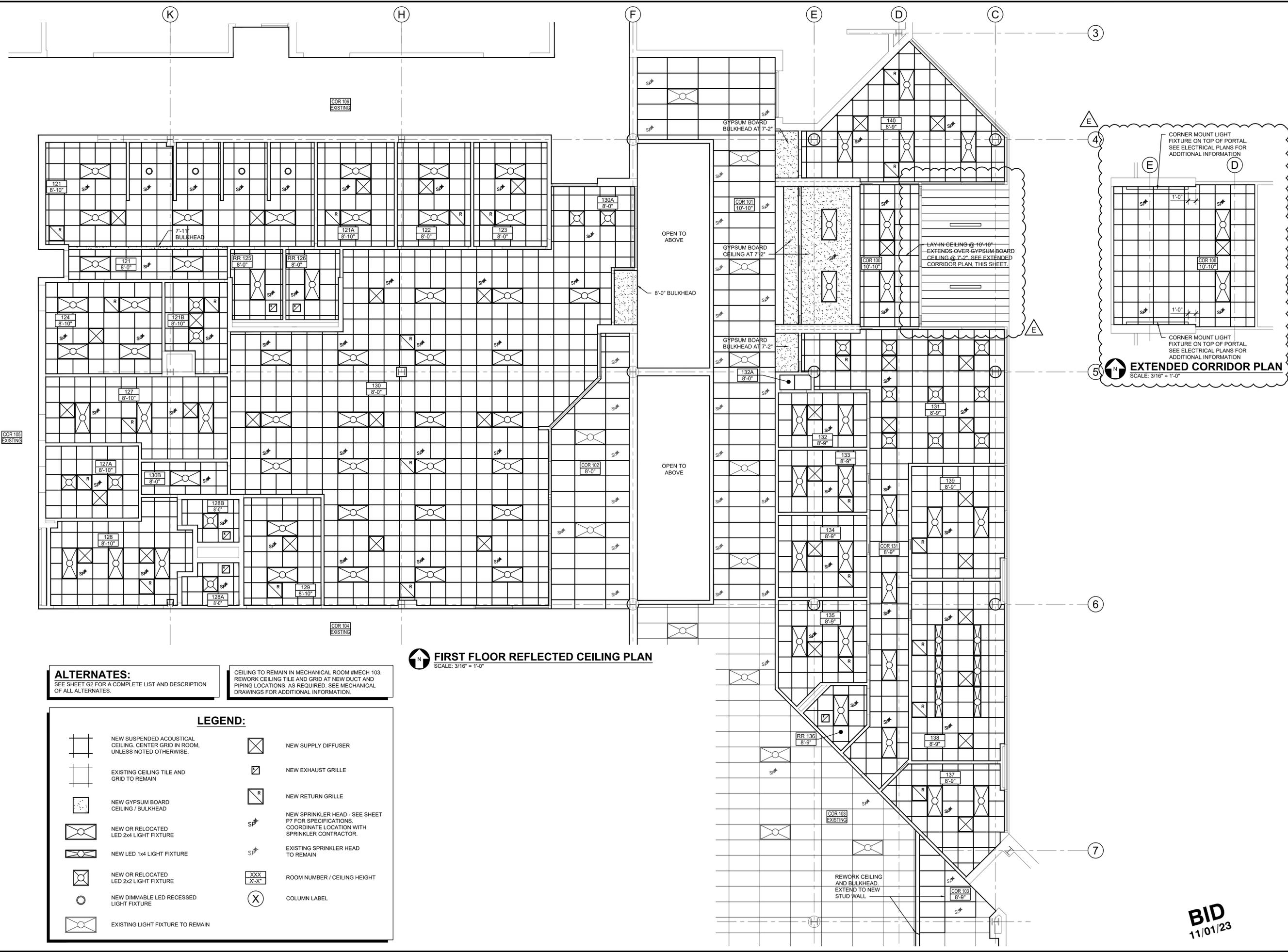
DRAWN BY: LEW DESIGNED BY: GPK
CHECKED BY: GPK DATE: 05/02/23

SCALE: 3/16" = 1' - 0"

PROJECT NUMBER:
22286A

SHEET NO:
A7

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FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"

ALTERNATES:
SEE SHEET G2 FOR A COMPLETE LIST AND DESCRIPTION OF ALL ALTERNATES.

CEILING TO REMAIN IN MECHANICAL ROOM #MECH 103. REWORK CEILING TILE AND GRID AT NEW DUCT AND PIPING LOCATIONS AS REQUIRED. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

LEGEND:

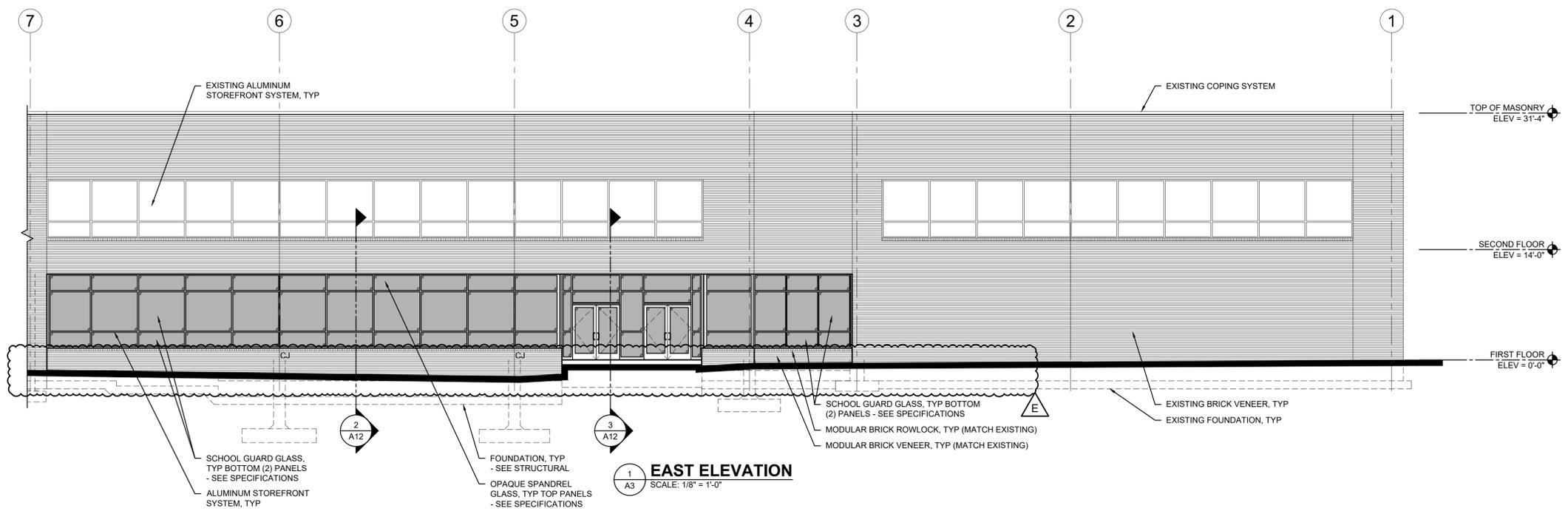
	NEW SUSPENDED ACOUSTICAL CEILING. CENTER GRID IN ROOM, UNLESS NOTED OTHERWISE.		NEW SUPPLY DIFFUSER
	EXISTING CEILING TILE AND GRID TO REMAIN		NEW EXHAUST GRILLE
	NEW GYPSUM BOARD CEILING / BULKHEAD		NEW RETURN GRILLE
	NEW OR RELOCATED LED 2x4 LIGHT FIXTURE		NEW SPRINKLER HEAD - SEE SHEET P7 FOR SPECIFICATIONS. COORDINATE LOCATION WITH SPRINKLER CONTRACTOR.
	NEW LED 1x4 LIGHT FIXTURE		EXISTING SPRINKLER HEAD TO REMAIN
	NEW OR RELOCATED LED 2x2 LIGHT FIXTURE		ROOM NUMBER / CEILING HEIGHT
	NEW DIMMABLE LED RECESSED LIGHT FIXTURE		COLUMN LABEL
	EXISTING LIGHT FIXTURE TO REMAIN		

BID
11/01/23

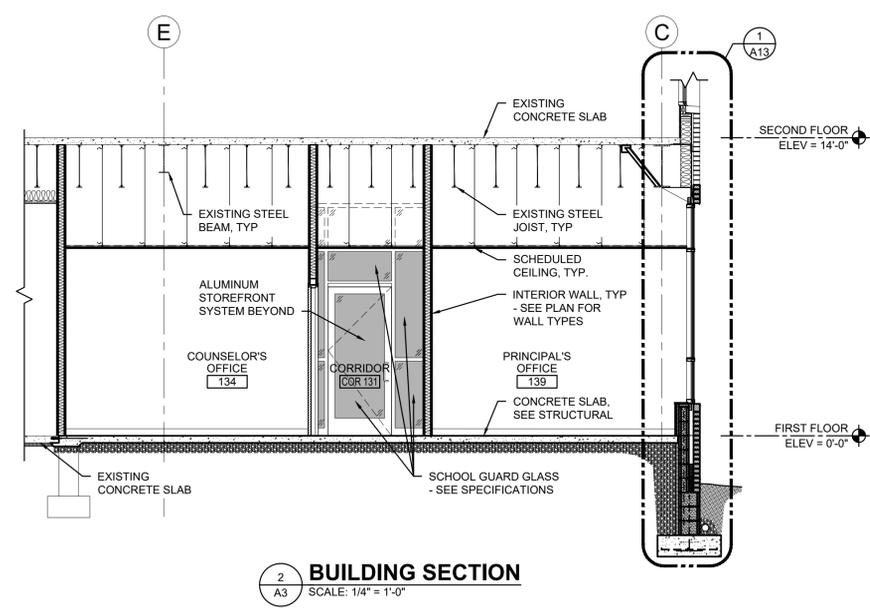
Nov 20, 2023 - 12:26pm N:\Clients\22286A\Spencer-Owen Community Schools\22286A\Spencer-Owen Secured Entrance & Canopy\22286A\A7.dwg Plotted By: Inargel



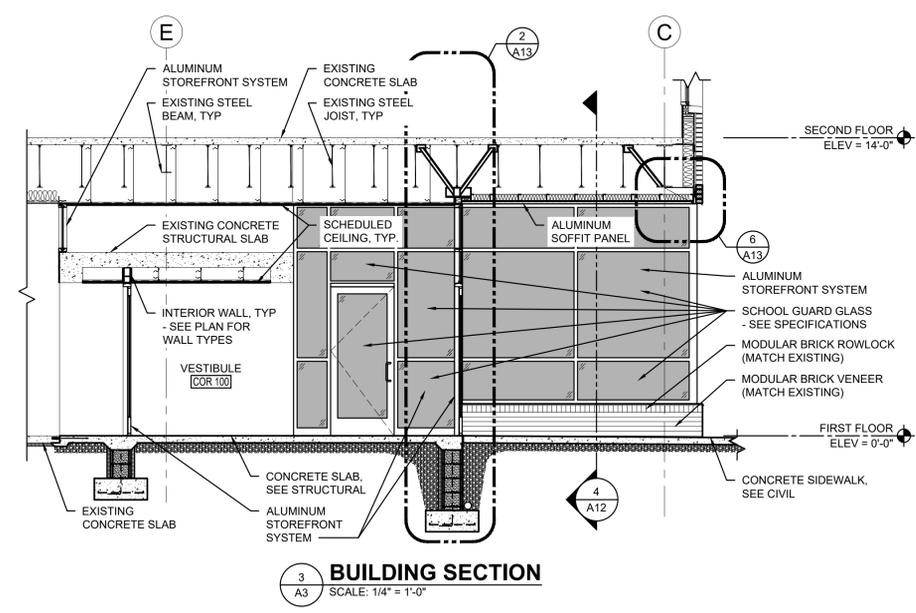
REFER TO SHEET A19 FOR
PRODUCT SPECIFICATIONS



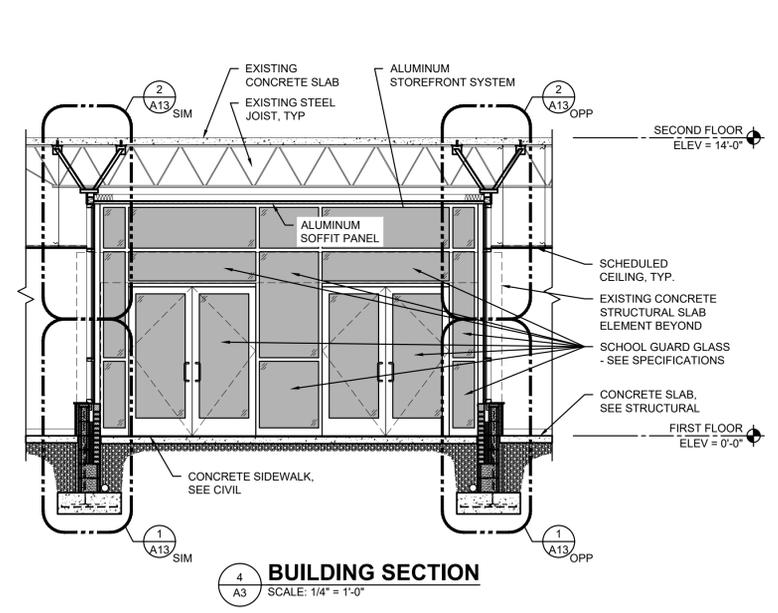
1 EAST ELEVATION
SCALE: 1/8" = 1'-0"



2 BUILDING SECTION
SCALE: 1/4" = 1'-0"



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



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

REV	DATE	BY	ITEM
A	07/27/23	AWM	ISSUED FOR 30% REVIEW
B	08/17/23	AWM	ISSUED FOR 60% REVIEW
C	09/07/23	AWM	ISSUED FOR 100% REVIEW
D	11/01/23	AWM	ISSUED FOR BID
E	11/17/23	AWM	APPENDIX #1

**ADDITION AND INTERIOR RENOVATIONS
OWEN VALLEY MIDDLE SCHOOL
626 IN-46, SPENCER, INDIANA 47460**

**EXTERIOR ELEVATION
AND BUILDING SECTIONS**

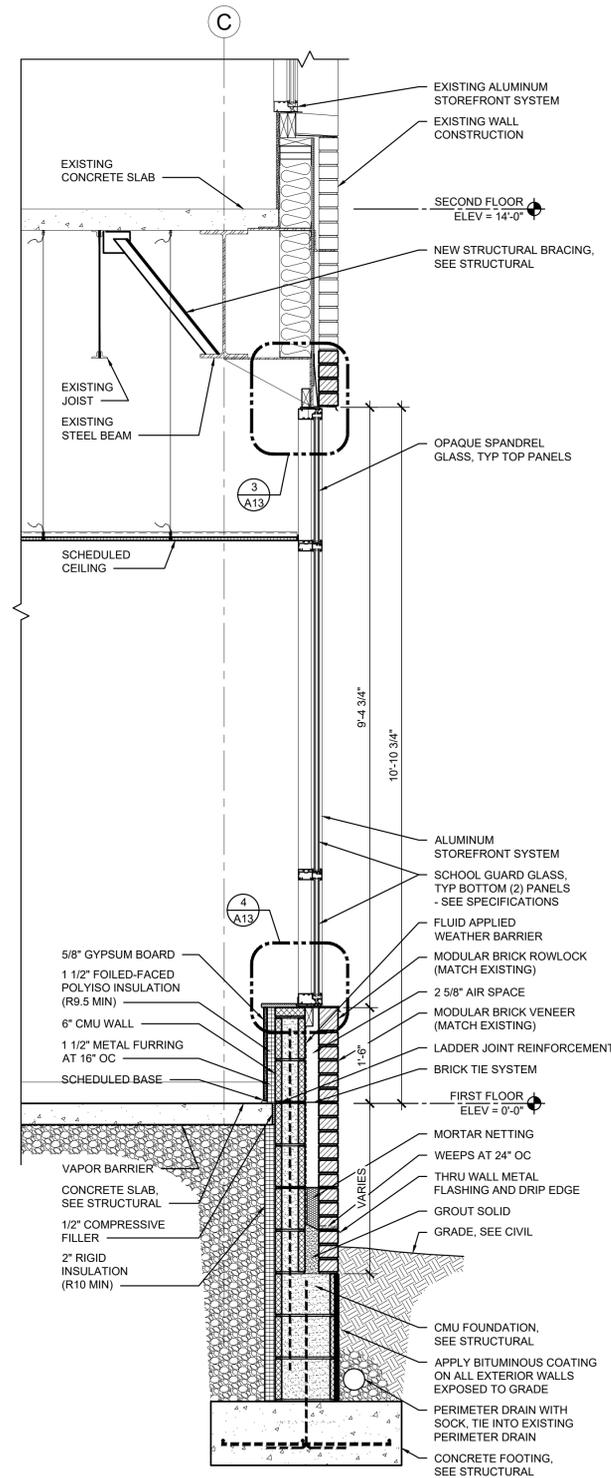
DRAWN BY: AWM	DESIGNED BY: GPK
CHECKED BY: GPK	DATE: 05/02/23

SCALE: AS NOTED
PROJECT NUMBER:
22286A

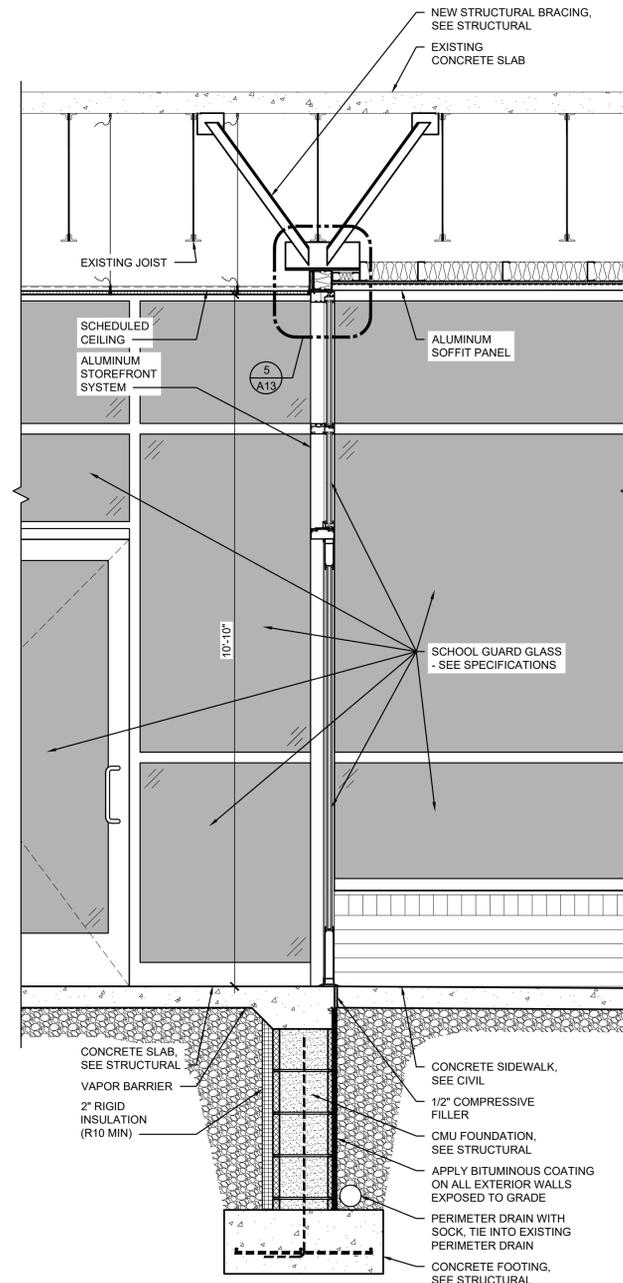
SHEET NO:
A12
23 of 58

BID
11/01/23

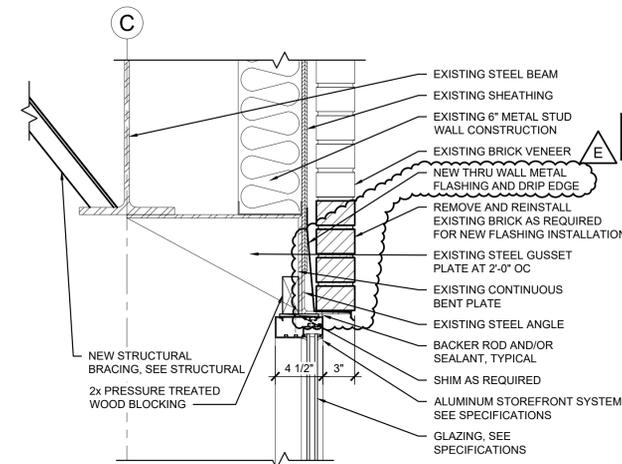
Nov 14, 2023 - 2:09pm N:\Clients\22286A\Spencer-Owen Community Schools\22286A Spencer-Owen Secured Entrance & Canopy\22286A13.dwg Plotted By: Inargel



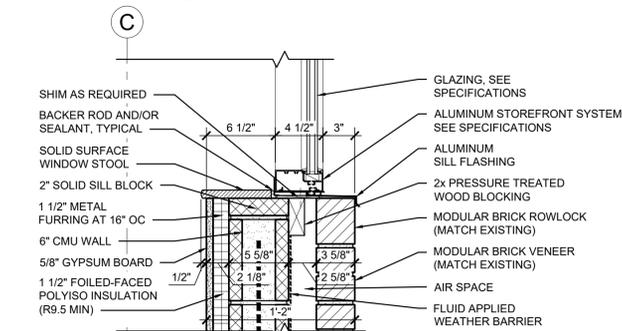
1 WALL SECTION
A12 SCALE: 3/4" = 1'-0"



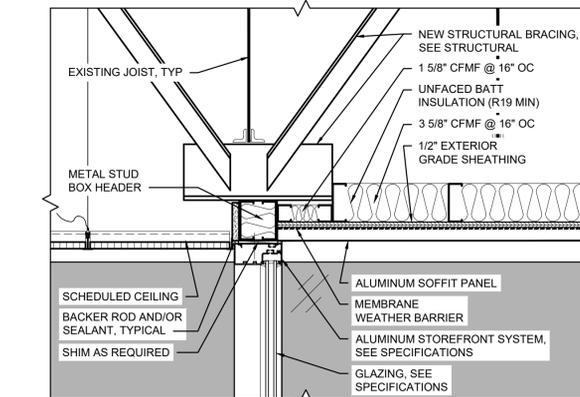
2 WALL SECTION
A12 SCALE: 3/4" = 1'-0"



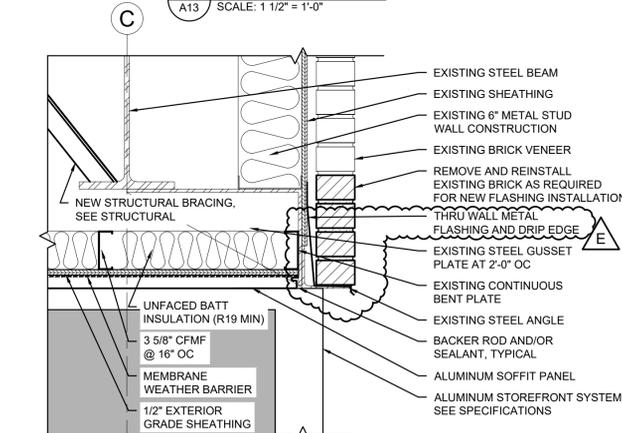
3 WALL SECTION
A13 SCALE: 1 1/2" = 1'-0"



4 WALL SECTION
A13 SCALE: 1 1/2" = 1'-0"



5 WALL SECTION
A13 SCALE: 1 1/2" = 1'-0"



6 WALL SECTION
A12 SCALE: 1 1/2" = 1'-0"

REFER TO SHEET A19 FOR PRODUCT SPECIFICATIONS

ALL EXISTING EXTERIOR ANGLES/LINTELS SHALL BE PROPERLY PREPPED AND PAINTED WITH HIGH PERFORMANCE PAINT

REV	DATE	BY	ITEM
A	07/27/23	AWM	ISSUED FOR 30% REVIEW
B	08/17/23	AWM	ISSUED FOR 60% REVIEW
C	09/07/23	AWM	ISSUED FOR 100% REVIEW
D	11/01/23	AWM	ISSUED FOR BID
E	11/17/23	AWM	APPENDIX #1

**ADDITION AND INTERIOR RENOVATIONS
OWEN VALLEY MIDDLE SCHOOL
626 IN-46, SPENCER, INDIANA 47460**

WALL SECTIONS AND DETAILS

DRAWN BY:	DESIGNED BY:
AWM	GPB
CHECKED BY:	DATE:
GPB	05/02/23
SCALE:	AS NOTED
PROJECT NUMBER:	22286A
SHEET NO.:	A13
	24 of 58

BID
11/01/23

DOOR HARDWARE SETS:

SET #1 - OPENING: 100A (ONE SET PER OPENING)		
1) EA SL11HD 83" BLACK	CONTINUOUS HINGE	
1) EA SL11HD 83" CTW 10 BLACK	ELECTRIC CONTINUOUS HINGE	
1) EA 4110-SCUSH 693	CLOSER (PARALLEL ARM)	
1) EA 4110-18 693	PLATE	
1) EA 4110-30 693	SHOE	
1) EA 4110-61 693	SPACER	
1) EA M FORCE OPERATOR	STANLEY DOOR OPERATOR (WITH 75" HEADER)	
2) EA BEA10PBJMI 1.75x4.75 SS	ACTUATOR (JAMB MTD PP, LOGO & TEXT, HW W/ JAMB FLUSH MTD BOX)	
1) EA 653-04 x L2 x NS 630	REMOTE KEY SWITCH (POWER OFF DOOR OPERATOR)	
1) EA QEL 33A-NL-OP 711	ELECTRIC EXIT DEVICE	
1) EA CD 33A-EO 711	EXIT DEVICE	
2) EA 4110-SCUSH 693	CLOSER (PARALLEL ARM)	
2) EA 4110-18 693	PLATE	
2) EA 4110-30 693	SHOE	
2) EA 4110-61 693	SPACER	
2) EA 23Q 18" CTC US32D	OFFSET PULL	
1) EA KR-4954 BLACK	KEYED REMOVABLE MULLION	
1) EA 425 AL	THRESHOLD	
1) EA PS902 BLACK	POWER SUPPLY	
3) EA IE74 US26D	MORTISE CYLINDER (EXIT DOGGING, MULLION & KEY SWITCH)	
1) EA IE72 US26D	RIM CYLINDER (NL-OP EXIT)	
	PROXIMITY READER (BY SECURITY CONTRACTOR)	
	VIDEO INTERCOM (BY SECURITY CONTRACTOR)	
	DOOR CONTACT (BY SECURITY CONTRACTOR)	
	WEATHER STRIP (BY ALUM DOOR MANUF)	
	DOOR SWEEP (BY ALUM DOOR MANUF)	
SET #2 - OPENING: 100B (ONE SET PER OPENING)		
2) EA SL11HD 83" BLACK	CONTINUOUS HINGE	
1) EA CD 33A-NL-OP 711	EXIT DEVICE	
1) EA CD 33A-EO 711	EXIT DEVICE	
2) EA 4110-SCUSH 693	CLOSER (PARALLEL ARM)	
2) EA 4110-18 693	PLATE	
2) EA 4110-30 693	SHOE	
2) EA 4110-61 693	SPACER	
2) EA 23Q 18" CTC US32D	OFFSET PULL	
1) EA KR-4954 BLACK	KEYED REMOVABLE MULLION	
1) EA 425 AL	THRESHOLD	
1) EA IE72 US26D	RIM CYLINDER (NL-OP EXIT)	
2) EA IE74 US26D	MORTISE CYLINDER (EXIT DOGGING & MULLION)	
	DOOR CONTACT (BY SECURITY CONTRACTOR)	
	WEATHER STRIP (BY ALUM DOOR MANUF)	
	DOOR SWEEP (BY ALUM DOOR MANUF)	
SET #3 - OPENING: 100C (ONE SET PER OPENING)		
2) EA SL11HD 83" BLACK	CONTINUOUS HINGE	
1) EA CD 33A-NL-OP 711	EXIT DEVICE	
1) EA CD 33A-EO 711	EXIT DEVICE	
2) EA 4110-SCUSH 693	CLOSER (PARALLEL ARM)	
2) EA 4110-18 693	PLATE	
2) EA 4110-30 693	SHOE	
2) EA 4110-61 693	SPACER	
2) EA 23Q 18" CTC US32D	OFFSET PULL	
1) EA KR-4954 BLACK	KEYED REMOVABLE MULLION	
1) EA 425 AL	THRESHOLD	
1) EA IE72 US26D	RIM CYLINDER (NL-OP EXIT)	
2) EA IE74 US26D	MORTISE CYLINDER (EXIT DOGGING & MULLION)	
	DOOR CONTACT (BY SECURITY CONTRACTOR)	
	WEATHER STRIP (BY ALUM DOOR MANUF)	
	DOOR SWEEP (BY ALUM DOOR MANUF)	
SET #4 - OPENINGS: 100D (ONE SET PER OPENING)		
1) EA SL11HD 83" BLACK	CONTINUOUS HINGE	
1) EA SL11HD 83" CTW 10 BLACK	ELECTRIC CONTINUOUS HINGE	
1) EA CD 33A-EO 711	EXIT DEVICE	
1) EA 4110-SCUSH 693	CLOSER (PARALLEL ARM)	
1) EA 4110-18 693	PLATE	
1) EA 4110-30 693	SHOE	
1) EA 4110-61 693	SPACER	
1) EA M FORCE OPERATOR	STANLEY DOOR OPERATOR (WITH 75" HEADER)	
2) EA BEA10PBJMI 1.75x4.75 SS	ACTUATOR (JAMB MTD PP, LOGO & TEXT, HW W/ JAMB FLUSH MTD BOX)	
1) EA 653-04 x L2 x NS 630	REMOTE KEY SWITCH (POWER OFF DOOR OPERATOR)	
1) EA QEL 33A-NL-OP 711	ELECTRIC EXIT DEVICE	
2) EA 23Q 18" CTC US32D	OFFSET PULL	
1) EA KR-4954 BLACK	KEYED REMOVABLE MULLION	
1) EA PS902 BLACK	POWER SUPPLY	
1) EA 307D GREY	DOOR BUMPER	
1) EA IE72 US26D	RIM CYLINDER (NL-OP EXIT)	
3) EA IE74 US26D	MORTISE CYLINDER (EXIT DOGGING, MULLION & KEY SWITCH)	
	PROXIMITY READER (BY SECURITY CONTRACTOR)	
	DOOR CONTACT (BY SECURITY CONTRACTOR)	
SET #5 - OPENING: 131A (ONE SET PER OPENING)		
1) EA SL11HD 83" BLACK	CONTINUOUS HINGE	
1) EA 1500 630	ELECTRIC STRIKE	
1) EA 4110-SCUSH 693	CLOSER (PARALLEL ARM)	
1) EA 4110-18 693	PLATE	
1) EA 4110-30 693	SHOE	
1) EA 4110-61 693	SPACER	
1) EA ND80BDC RHO US26D	STOREROOM LOCK SET	
3) EA 307D GREY	DOOR BUMPER	
1) EA PS902 BLACK	POWER SUPPLY	
1) EA IE74 US26D	MORTISE CYLINDER	
1) EA IE74 US26D	RIM CYLINDER	
	PROXIMITY READER (BY SECURITY CONTRACTOR)	
	DOOR CONTACT (BY SECURITY CONTRACTOR)	
SET #6 - OPENINGS: 121C, 124B, 129, 133, 134, 135, 137A, 137B, 139A, 139B (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA WS4011402CCV US26D	WALL STOP (EXCLUDE ON 124B)	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND50BDC RHO US26D	ENTRANCE LOCK SET	
1) EA IC72 US26D	RIM CYLINDER	
SET #7 - OPENINGS: 204, 207, 208 (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA WS4011402CCV US26D	WALL STOP	
1) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND70BDC RHO US26D	CLASSROOM LOCK SET	
1) EA IC72 US26D	RIM CYLINDER	
SET #8 - OPENINGS: 122, 123, 138 (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA WS4011402CCV US26D	WALL STOP	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND10S RHO US26D	PASSAGE SET	
SET #9 - OPENING: 203A (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA 4010-SCUSH ALUM	CLOSER (PARALLEL ARM)	
1) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
1) EA WS4011402CCV US26D	WALL STOP	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND10S RHO US26D	PASSAGE SET	
SET #10 - OPENING: 131C (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA 1500 630	ELECTRIC STRIKE	
1) EA 4010-SCUSH ALUM	CLOSER (PARALLEL ARM)	
1) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
1) EA WS4011402CCV US26D	WALL STOP	
1) EA PS902 BLACK	POWER SUPPLY	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND80BDC RHO US26D	STOREROOM LOCK SET	
1) EA IC72 US26D	RIM CYLINDER	

SET #11 - OPENINGS: 125, 126, 128B, 128C, 136, 203B (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA 4010-SCUSH ALUM	CLOSER (PARALLEL ARM)	
1) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
1) EA WS4011402CCV US26D	WALL STOP	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND40S RHO US26D	PRIVACY LOCK SET	
SET #12 - OPENINGS: 121D (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA 4010-SCUSH ALUM	CLOSER (PARALLEL ARM)	
1) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
1) EA WS4011402CCV US26D	WALL STOP	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND80BDC RHO US26D	STOREROOM LOCK SET	
1) EA IC72 US26D	RIM CYLINDER	
SET #13 - OPENING: 130A (ONE SET PER OPENING)		
2) EA SL11HD 83" BLACK	CONTINUOUS HINGE	
2) EA CD 33A-L-06 US26D	EXIT DEVICE	
2) EA 4110-SHCUSH ALUM	CLOSER (HOLD OPEN ARM)	
2) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
1) EA KR-4954 628	KEYED REMOVABLE MULLION	
4) EA 307D GREY	DOOR BUMPER	
2) EA IE72 US26D	RIM CYLINDER (EXIT DEVICE)	
3) EA IE74 US26D	MORTISE CYLINDER (EXIT DOGGING & MULLION)	
1) EA WS4011402CCV US26D	WALL STOP	
1) EA FS436 US28	FLOOR STOP	
SET #14 - OPENING: 127B (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA 4010-SCUSH ALUM	CLOSER (WITH STOP)	
1) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND80BDC RHO US26D	STOREROOM LOCK SET	
1) EA IC72 US26D	RIM CYLINDER	
SET #15 - OPENINGS: 124A, 127A, 131B (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA WS4011402CCV US26D	WALL STOP	
1) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
4) EA 307D GREY	DOOR BUMPER	
1) EA ND50BDC RHO US26D	ENTRANCE LOCK SET	
1) EA IC72 US26D	RIM CYLINDER	
SET #16 - OPENINGS: 121A, 121B, 128A (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA WS4011402CCV US26D	WALL STOP	
1) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND70P RHO US26D	CLASSROOM LOCK SET	
1) EA IC72 US26D	RIM CYLINDER	
SET #17 - OPENING: 132 (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA WS4011402CCV US26D	WALL STOP	
4) EA 307D GREY	DOOR BUMPER	
1) EA ND10S RHO US26D	PASSAGE SET	
SET #18 - OPENING: 121D (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA 4011-SCUSH ALUM	CLOSER (PARALLEL ARM)	
1) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
1) EA WS4011402CCV US26D	WALL STOP	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND80BDC RHO US26D	STOREROOM LOCK SET	
1) EA IC72 US26D	RIM CYLINDER	
SET #19 - OPENING: 140A (ONE SET PER OPENING)		
1) EA SL11HD 83" BLACK	CONTINUOUS HINGE	
1) EA 4110-SCUSH 693	CLOSER (PARALLEL ARM)	
1) EA 4110-18 693	PLATE	
1) EA 4110-30 693	SHOE	
1) EA 4110-61 693	SPACER	
1) EA ND80BDC RHO US26D	STOREROOM LOCK SET	
3) EA 307D GREY	DOOR BUMPER	
1) EA IE74 US26D	MORTISE CYLINDER	
1) EA IC72 US26D	RIM CYLINDER	
SET #20 - OPENING: 130B (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA 4011-SCUSH ALUM	CLOSER (PARALLEL ARM)	
1) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
1) EA WS4011402CCV US26D	WALL STOP	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND80BDC RHO US26D	STOREROOM LOCK SET	
1) EA IC72 US26D	RIM CYLINDER	
SET #21 - OPENING: 140B (ONE SET PER OPENING)		
3) EA 5BB1 4.5 x 4.5 652	HINGE	
1) EA 1500 630	ELECTRIC STRIKE	
1) EA 4110-SCUSH ALUM	CLOSER (PARALLEL ARM)	
1) EA 8400 10x34.5 B-CS US32D	KICK PLATE (PUSH SIDE)	
1) EA WS4011402CCV US26D	WALL STOP	
1) EA PS902 BLACK	POWER SUPPLY	
3) EA 307D GREY	DOOR BUMPER	
1) EA ND80BDC RHO US26D	STOREROOM LOCK SET	
1) EA IC72 US26D	RIM CYLINDER	

NO	NAME	HANDED	SIZE	ELEV	DOOR INFORMATION			FRAME INFORMATION			REMARKS	
					MATL	FINISH	GLAZING	ELEV	MATL	FINISH		HARDWARE SET
100A	VESTIBULE	RHR	(2) 3'-0" x 7'-0" x 1 3/4"	D1	ANODIZED ALUMINUM	BLACK	1" THERMAL W/ 3/8" RESISTANT LAM COMPOSITE	F3	ANODIZED ALUMINUM	BLACK	1	
100B	VESTIBULE	RHR	(2) 3'-0" x 7'-0" x 1 3/4"	D1	ANODIZED ALUMINUM	BLACK	1" THERMAL W/ 3/8" RESISTANT LAM COMPOSITE	F3	ANODIZED ALUMINUM	BLACK	2	
100C	VESTIBULE	RHR	(2) 3'-0" x 7'-0" x 1 3/4"	D1	ANODIZED ALUMINUM	BLACK	3/8" RESISTANT LAM COMPOSITE	F4	ANODIZED ALUMINUM	BLACK	3	
100D	VESTIBULE	RHR	(2) 3'-0" x 7'-0" x 1 3/4"	D1	ANODIZED ALUMINUM	BLACK	3/8" RESISTANT LAM COMPOSITE	F4	ANODIZED ALUMINUM	BLACK	4	
121A	NURSE'S OFFICE	LHR	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	16	
121B	NURSE'S OFFICE	LH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	16	
121C	SCHOOL NURSE'S OFFICE	RH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	6	
121D	NURSE'S STORAGE / SUPPLY ROOM	LH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	12	
122	SMALL GROUP STUDY ROOM	RH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F7	HOLLOW METAL	PAINT	8	
123	SMALL GROUP STUDY ROOM	LH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F7	HOLLOW METAL	PAINT	8	
124A	SCHOOL CORPORATION NURSE'S OFFICE	LH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	15	
124B	SCHOOL CORPORATION NURSE'S OFFICE	LH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	6	
125	UNISEX RESTROOM	LH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	11	
126	UNISEX RESTROOM	RH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	11	
127A	IT ROOM	RH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	15	
127B	RECORDS ROOM	LH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	14	
128A	SMALL MEETING ROOM	LH	3'-0" x 7'-0" x 1 3/4"	D5	WOOD VENEER	STAIN	1/4" CLEAR TEMPERED	F1	HOLLOW METAL	PAINT	16	
128B	EXISTING RESTROOM	RH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	11	
128C	EXISTING RESTROOM	LH	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT	11	
129	ATHLETIC DIRECTOR'S OFFICE	LH	3'-0" x 7'-0" x 1 3/4"	D5	WOOD VENEER	STAIN	1/4" CLEAR TEMPERED	F1	HOLLOW METAL	PAINT	6	
130A	MEDIA CENTER	RHR	(2) 3'-0" x 7'-0" x 1 3/4"	D2	WOOD VENEER	STAIN	1/4" CLEAR TEMPERED	F6	ANODIZED ALUMINUM	BLACK	14	
130B	MEDIA CENTER	LHR	3'-0" x 7'-0" x 1 3/4"	D4	WOOD VENEER	STAIN	-	F1	HOLLOW METAL	PAINT		

Nov 20, 2023 - 7:44am N:\Clients\52\Spencer-Owen Community Schools\22286A Spencer Owen Secured Entrance & Canopy\22286A.dwg Plotted By: tmontgomery

GENERAL NOTES:

- ALL CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE INDIANA STATE BUILDING CODE, LOCAL BUILDING CODES, ORDINANCES, AND CURRENT REGULATIONS IN EFFECT AT TIME OF CONSTRUCTION.
- THE COMPLETED PROJECT SHALL BE FULLY FUNCTIONAL AND COMPLETE IN EVERY DETAIL INCLUDING ANY AND ALL SUCH DETAIL ITEMS OF WORK OR MATERIAL REQUIRED FOR NORMALLY COMPLETE SYSTEMS, WHETHER OR NOT SUCH ITEMS ARE SPECIFIED OR SHOWN ON THE DRAWINGS.
- ALL CONTRACTORS MUST VISIT THE SITE AND CAREFULLY EXAMINE AND NOTE ALL OF THE CONDITIONS AND EXISTING MATERIALS THERE. FAILURE TO DO SO WILL NOT BE CONSIDERED GROUNDS FOR ANY EXTRA CHARGES FOR MATERIAL, EQUIPMENT, SERVICES OR LABOR.
- THE CONTRACTOR SHALL CONTACT THE OWNER'S PROJECT COORDINATOR REGARDING ANY SIGNIFICANT INTERFERENCES DISCOVERED IN THE FIELD PRIOR TO ANY WORK BEING PERFORMED. THE CONTRACTOR SHALL HAVE A PROPOSED COST ESTIMATE IN WRITING OF THE WORK REQUIRED.
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER'S PROJECT COORDINATOR.
- THE GENERAL CONTRACTOR SHALL PROTECT PERSONNEL AND THE FACILITY FROM DAMAGE OR HAZARD DURING CONSTRUCTION.
- USE OF THE SITE SHALL BE LIMITED TO THE AREAS AGREED UPON WITH THE OWNER. MATERIALS SHALL BE KEPT WITHIN THOSE AREAS OR STORED OFF THE SITE.
- IT SHALL BE THE RESPONSIBILITY OF EACH TRADE TO CLEAN UP ALL DEBRIS CREATED FROM THEIR PORTION OF THEIR WORK DAILY.
- THESE DRAWINGS REPRESENT STRUCTURAL COMPONENTS IN THEIR FINAL AND FINISHED STATE. CONSTRUCTION PROCEDURES, METHODS, SAFETY PRECAUTIONS, OR MECHANICAL REQUIREMENTS USED TO ERECT THEM ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR OR SUBCONTRACTOR DOING THE WORK.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS DURING CONSTRUCTION AND REPORT TO THE ENGINEER DURING CONSTRUCTION ANY DISCREPANCIES. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION.

MASONRY NOTES:

- ALL MASONRY MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE RECOMMENDATIONS OF BRICK INSTITUTE OF AMERICA (BIA) AND NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA) AND MINIMUM REQUIREMENTS ESTABLISHED BY LOCAL BUILDING CODE.
 - ALL CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C-90 TYPE N WITH TYPE "S" MORTAR UNLESS OTHERWISE SPECIFIED BY APPLICABLE BUILDING CODE. F_c = 1500 PSI. NEW CMU TO MATCH COLOR AND SURFACE TEXTURE OF EXISTING. NEW INFILL COURSING IS TO MATCH EXISTING WHERE POSSIBLE.
 - NO SPECIAL INSPECTION IS REQUIRED FOR CMU WALLS.
 - REINFORCE NEW WALLS AS SHOWN ON PLANS.
 - GROUT SOLID ALL REINFORCED CELLS AND BOND BEAMS WITH 2500 PSI GROUT.
- STEEL NOTES:**
- ALL STRUCTURAL SHAPES ARE TO CONFORM TO ASTM A992. TUBES SHALL BE ASTM A500 GR. B AND STEEL PLATES, ANGLES & CHANNELS SHALL BE ASTM A36. ALL STEEL SHALL BE PAINTED, FIELD TOUCH-UP AS REQUIRED FOR WELDED AREAS.
 - ALL WELDS SHALL BE MADE BY QUALIFIED WELDERS. STEEL MANUFACTURER AND CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALIFICATION OF THEIR WELDERS, WELDING OPERATORS AND TACK WELDERS. QUALIFICATIONS MAY BE CONDUCTED BY THE STEEL MANUFACTURER OR CONTRACTOR OR BY AN INDEPENDENT TESTING AGENCY. ALL TESTING REQUIREMENTS SHALL BE AS SPECIFIED IN THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (AWS D1.1), CHAPTER 4.
 - WELDING ELECTRODES E70XX.
 - ALL WELDING SHALL CONFORM TO AWS D1.1
 - ALL BOLTS ARE TO BE ASTM A325
 - CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION.
 - DETAILING, FABRICATION AND ERECTION IS TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION.

COATING NOTES:

SHOP AND FIELD PAINTING PER SPECIFICATIONS AS FOLLOWS:

ALL NEW STEEL TO RECEIVE BY SHOP:

SHERWIN-WILLIAMS PRO INDUSTRIAL PRO-CRYL UNIVERSAL ACRYLIC PRIMER OFF WHITE - B66W310 (HMC 15850).

CONCRETE NOTES:

- DETAILING, FABRICATION, AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 315-99 "ACI DETAILING MANUAL - 2004" (SP-66 C04).
 - UNLESS OTHERWISE NOTED, ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 (60,000 PSI YIELD).
 - ALL CONCRETE WORK SHALL CONFORM TO THE "A.C.I. BUILDING CODE", ACI 318 LATEST EDITION.
 - WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A1064. WWF TO BE SUPPLIED IN FLAT SHEETS ONLY.
 - SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301) APPLY.
 - ALL REINFORCING STEEL MARKED "CONTINUOUS" SHALL BE LAPPED 36 BAR DIAMETERS AT SPLICES (UNLESS NOTED OTHERWISE) AND AROUND CORNERS OR INTERSECTIONS WITH A STANDARD 90 DEGREE BEND ON CORNER BARS.
 - LAP TOP BARS AT CENTER OF SPAN; LAP BOTTOM BARS AT SUPPORTS.
 - CONCRETE PROTECTION FOR REINFORCEMENT OF POURED-IN-PLACE MEMBERS: (SEE SECTION 20.6 ACI 318 LATEST EDITION)
- | STRUCTURAL ELEMENT | MINIMUM COVER (INCHES) | CONCRETE STRENGTH (PSI) |
|--------------------|------------------------|-------------------------|
| SLAB | CENTERED | 4000 PSI |
| FOOTING | 3" | 4000 PSI |
| WALLS | 2" | 4000 PSI |
- SLABS, WALLS, AND FOUNDATIONS AND OTHER CONSTRUCTION SHALL BE PROTECTED FROM FROST HEAVE.
 - PRIOR TO PLACING CONCRETE, REMOVE WATER FROM EXCAVATION, DEBRIS AND FOREIGN MATERIAL FROM FORMS, CHECK REINFORCING STEEL FOR PROPER PLACEMENT AND CORRECT ANY DISCREPANCIES.
 - REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR ANY OTHER ADDITIONAL SLEEVES, ANCHORS, VENT OPENINGS, EMBEDDED ITEMS, DEPRESSIONS, ETC. NOT SHOWN ON STRUCTURAL PLANS THAT MIGHT BE REQUIRED.
 - PROVIDE A 3/4" CHAMFER ON ALL EXPOSED EDGES OF CONCRETE WALLS, AND SLABS, UNLESS NOTED OTHERWISE.
 - PLACING CONCRETE IN COLD WEATHER:
 - DO NOT PLACE CONCRETE WHEN THE AMBIENT TEMPERATURE IS BELOW 40 DEGREES F, OR APPROACHING 40 DEGREES F, AND FALLING WITHOUT SPECIAL PROTECTION CONFORMING TO ACI 306.
 - REMOVE AND REPLACE CONCRETE DAMAGED BY FREEZING AT NO COST TO OWNER.

- APPLICABLE BUILDING CODES AND AMENDMENTS
 - 2014 INDIANA BUILDING CODE
 - 2012 INTERNATIONAL BUILDING CODE
 - ASCE STANDARDS: ASCE 7-10
- PROJECT LOCATION: SPENCER, INDIANA (OWEN COUNTY)
- DESIGN LOADS: LIVE & MISC. LOADS:
 - FIRST FLOOR (SLAB ON GRADE)100 PSF
- WIND LOADS:
 - ULTIMATE WIND SPEED = 115 MPH
 - RISK CATEGORY: III
 - WIND IMPORTANCE FACTOR: I_w = 1.15
 - EXPOSURE CATEGORY: C
- EARTHQUAKE LOADS:
 - RISK CATEGORY: III
 - SEISMIC IMPORTANCE FACTOR: I_e = 1.25
 - SEISMIC DESIGN CATEGORY: C
 - SITE CLASS: D
 - S_s = 0.33
 - S₁ = 0.12
 - S_{0.1} = 0.26
 - S_{0.01} = 0.17
 - SEISMIC FORCE RESISTING SYSTEM - BRACED FRAME

- CONCRETE FINISH:
 - INTERIOR SLAB ON GRADE: FINISHING CLASS 4 AND 5 PER ACI 302.
 - WALLS: KNOCK OFF PROJECTIONS & PATCH HONEYCOMB AREAS & ROCK POCKETS. SMALL AIR HOLES DO NOT REQUIRE PATCHING.
- PREFORMED JOINT MATERIAL: 1/2 INCH THICK, CONFORMING TO ASTM D994, D1751, OR D1752.
- ELASTOMERIC JOINT SEALANT: BASF, SHAKOPEE, MN, MASTERSEAL SL1. INSTALL PER MANUFACTURER RECOMMENDATIONS.
- ADHESIVE ANCHOR SYSTEM SHALL CONFORM TO HILTI HIT-HY 200 FOR SOLID BLOCK OR CONCRETE AND HILTI HIT-HY 270 FOR HOLLOW BLOCK OR BRICK, OR APPROVED EQUAL.
- CONCRETE SURFACE REPAIR MATERIAL SHALL CONFORM TO SIKAREPAIR 223 OR APPROVED EQUAL.
- EXPANSION BOLTS SHALL CONFORM TO HILTI KWIK BOLT 3 OR APPROVED EQUAL.
- FOLLOW ALL MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTION REQUIREMENTS FOR ANCHORS.



FOUNDATION NOTES:

- A GEOTECHNICAL REPORT INVESTIGATION WAS NOT PERFORMED FOR THIS PROJECT. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE NET SOIL BEARING PRESSURE OF 1500 PSF. THIS IS TO BE CONFIRMED IN FIELD BY GEOTECHNICAL ENGINEER HIRED BY THE FOUNDATION CONTRACTOR ACCEPTABLE TO THE STRUCTURAL ENGINEER AND OWNER. DURING CONSTRUCTION REMOVAL OF SUBSURFACE SHALL BE REQUIRED TO INSTALL THE FOUNDATION AND UNDERGROUND UTILITIES.
- FOOTINGS AND FOUNDATION WALLS:
 - COLUMN AND WALL FOOTINGS SHALL BE FORMED ON ALL SIDES.
 - CORNER BARS. PROVIDE 1 - #4 X 4'-0" (90 BENT BARS, 2'-0" EACH SIDE) EACH FACE OF WALL AT CORNERS. WHERE A FOUNDATION WALL INTERSECTS A CONTINUOUS FOUNDATION WALL, PROVIDE CORNER BARS AS NOTED ABOVE.
 - REINFORCING. FOUNDATION WALL HORIZONTAL REINFORCING SHALL BE CONTINUOUS THRU PIERS.
 - WALL FOOTING SIDE FORMS. WALL FOOTINGS WERE DESIGNED TO BE FORMED BOTH SIDES FULL HEIGHT OF WALL FOOTING. CONTRACTORS OPTION TO BANK FORM WALL FOOTINGS. INCREASE WIDTH OF BANK FORMED WALL FOOTINGS BY 6". MAINTAIN FORMED WALL FOOTING REINFORCING CAGE PROFILE.
 - SLEEVES THROUGH FOUNDATION WALLS. SLEEVES THROUGH FOUNDATION WALLS MAY REQUIRE ADDITIONAL REINFORCEMENT. CONSULT ENGINEER FOR SIZE AND SPACING OF SUCH REINFORCING STEEL IF DETAILS ARE NOT SHOWN ON THE DRAWINGS.
- SLAB-ON-GRADE CONSTRUCTION:
 - SPECIFICATION. UNLESS SPECIFIED OTHERWISE, SLAB ON GRADE CONSTRUCTION SHALL FOLLOW THE RECOMMENDATIONS OF GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION ACI 302.1R.
 - SUBGRADE PREPARATION:
 - ALL GRADE ADJUSTMENTS FOR SLAB ON GRADE CONSTRUCTION SHALL BE ACCOMPLISHED WITH SELECT FILL AS SPECIFIED IN THE GEOTECHNICAL REPORT, IF AVAILABLE.
 - PRIOR TO CONCRETE PLACEMENT, PROVIDE A 6" MINIMUM DRAINAGE COURSE OVER THE FINAL PREPARED SUBGRADE. PLACE A 10 MIL POLYETHYLENE SHEET VAPOR BARRIER OVER THE DRAINAGE COURSE.
 - NO SLAB ON GRADE CONCRETE SHALL BE POURED AGAINST A FINAL PREPARED SUBGRADE CONTAINING FREE WATER, ICE, FROST, MUD, OR OTHER UNSUITABLE MATERIAL.
 - SELECT FILL. SELECT FILL REQUIRED FOR SLAB ON GRADE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE GEOTECHNICAL REPORT, IF AVAILABLE.
 - REINFORCING STEEL:
 - SEE THE DRAWINGS FOR TYPICAL SLAB REINFORCEMENT REQUIREMENTS.
 - ALL WELDED WIRE FABRIC SHALL BE FURNISHED IN FLAT SHEETS. LAP ENDS AND SIDES ONE CROSS WIRE SPACING PLUS 2" AT SPLICES.
 - LAP CONTINUOUS SLAB ON GRADE REINFORCING STEEL 30 BAR DIAMETERS AT SPLICES BUT NOT LESS THAN 12".
 - ALL REINFORCING STEEL AND WELDED WIRE FABRIC FOR SLABS ON GRADE SHALL BE CHAIRED WITH SLAB BOLSTERS DESIGNED FOR SUPPORT ON SOIL TO PROVIDE SPECIFIED COVER TO REINFORCING STEEL.
 - CONSTRUCTION AND CONTROL JOINTS. SEE DETAILS ON THE DRAWINGS FOR REQUIREMENTS OF CONSTRUCTION JOINTS, CONTROL JOINTS, AND POUR SIZE AND SEQUENCE FOR SLAB-ON-GRADE CONSTRUCTION.
 - OPENINGS IN SLAB-ON-GRADE. UNLESS DETAILED OTHERWISE ON THE DRAWINGS, PROVIDE #5 BARS @ OPENING WIDTH + 3'-0" LONG AROUND ALL PENETRATIONS THROUGH SLAB ON GRADE 10" WIDE OR DIAMETER AND GREATER AND #5 X 3'-0" DIAGONAL CORNER BARS. SUCH REINFORCEMENT SHALL BE PROVIDED WHETHER OPENING IS SHOWN ON THE DRAWINGS OR NOT. THIS REINFORCEMENT SHALL ALSO BE PROVIDED AROUND BLOCKOUTS FOR STEEL OR CONCRETE COLUMNS.
 - CRANE LOADS. THE CONTRACTOR IS CAUTIONED AGAINST LOADING THE SLAB ON GRADE WITH CRANE LOADS. THE SLAB HAS NOT BEEN DESIGNED FOR CRANE LOADS AND WILL REQUIRE AN INCREASE IN SLAB THICKNESS AND/OR REINFORCEMENT. THE CONTRACTOR IS REQUIRED TO SUBMIT A PROPOSED PLAN FOR CRANE SUPPORT ON SLABS ON GRADE TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCING WORK.
- SELECT FILL:
 - THE GENERAL CONTRACTOR SHALL SUBMIT TO THE ARCHITECT, STRUCTURAL ENGINEER, AND GEOTECHNICAL ENGINEER, THE SOURCE OF ALL SELECT FILL MATERIAL WITH SAMPLES TO BE TESTED BY THE OWNER'S TESTING LABORATORY FOR APPROVAL PRIOR TO PLACEMENT ON THE JOB. VERIFICATION WILL BE REQUIRED BY THE TESTING LABORATORY EACH TIME THE SOURCE OR CHARACTER OF THE MATERIAL CHANGES.
 - SELECT FILL MATERIAL SHALL BE PLACED IN MAXIMUM 8" LOOSE LIFTS AND COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY (ASTM D-1557) AT ±2% OF OPTIMUM MOISTURE.

Owen Valley MS Add 1



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REV	DATE	BY	ITEM
A	11/17/23	TLM	ADDENDUM #1

**CANOPY AND SECURED ENTRY RENOVATIONS
OWEN VALLEY MIDDLE SCHOOL
626 IN-46, SPENCER, INDIANA 47460**

NOTES

DRAWN BY: TLM	DESIGNED BY: MES
CHECKED BY: MES	DATE: 09/01/23
SCALE: VARIES	
PROJECT NUMBER: 22286A	
SHEET NO: S5 X of X	

BID
11/01/23

**ADDITION AND INTERIOR RENOVATIONS
OWEN VALLEY MIDDLE SCHOOL
626 IN-46, SPENCER, INDIANA 47460**

**FIRST FLOOR DOMESTIC
WATER PIPING
DEMOLITION PLAN**

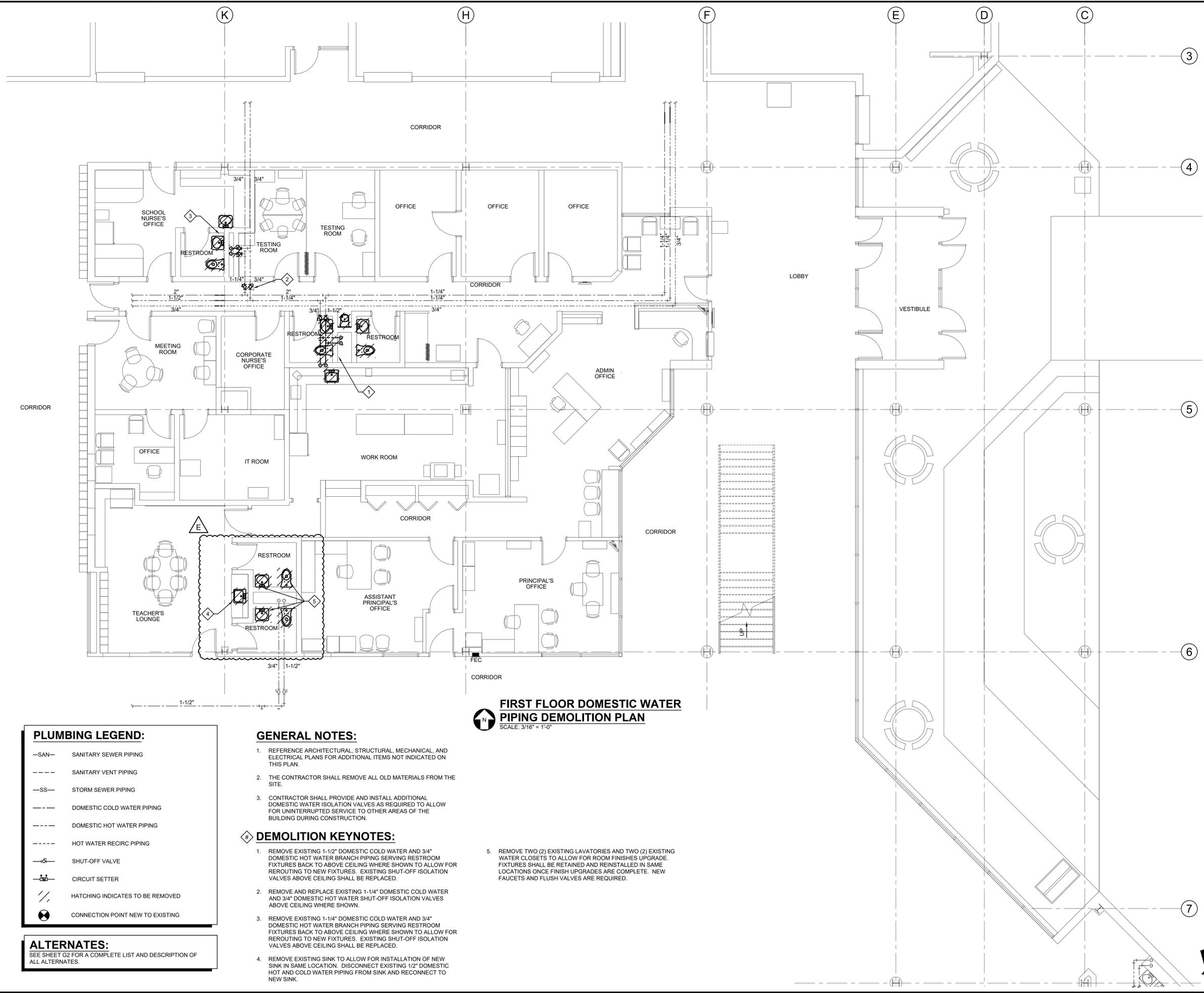
DRAWN BY: RTN
DESIGNED BY: RTN
CHECKED BY: BWV
DATE: 05/02/23

SCALE: 3/16" = 1' - 0"
PROJECT NUMBER:
22286A

SHEET NO:
P4

38 of 58

BID
11/01/23



**FIRST FLOOR DOMESTIC WATER
PIPING DEMOLITION PLAN**
SCALE: 3/16" = 1'-0"

PLUMBING LEGEND:

—SAN—	SANITARY SEWER PIPING
----	SANITARY VENT PIPING
—SS—	STORM SEWER PIPING
----	DOMESTIC COLD WATER PIPING
----	DOMESTIC HOT WATER PIPING
----	HOT WATER RECIRC PIPING
—S—	SHUT-OFF VALVE
—CS—	CIRCUIT SETTER
////	HATCHING INDICATES TO BE REMOVED
—C—	CONNECTION POINT NEW TO EXISTING

ALTERNATES:
SEE SHEET G2 FOR A COMPLETE LIST AND DESCRIPTION OF ALL ALTERNATES.

GENERAL NOTES:

1. REFERENCE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL PLANS FOR ADDITIONAL ITEMS NOT INDICATED ON THIS PLAN.
2. THE CONTRACTOR SHALL REMOVE ALL OLD MATERIALS FROM THE SITE.
3. CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL DOMESTIC WATER ISOLATION VALVES AS REQUIRED TO ALLOW FOR UNINTERRUPTED SERVICE TO OTHER AREAS OF THE BUILDING DURING CONSTRUCTION.

DEMOLITION KEYNOTES:

1. REMOVE EXISTING 1-1/2" DOMESTIC COLD WATER AND 3/4" DOMESTIC HOT WATER BRANCH PIPING SERVING RESTROOM FIXTURES BACK TO ABOVE CEILING WHERE SHOWN TO ALLOW FOR REROUTING TO NEW FIXTURES. EXISTING SHUT-OFF ISOLATION VALVES ABOVE CEILING SHALL BE REPLACED.
2. REMOVE AND REPLACE EXISTING 1-1/4" DOMESTIC COLD WATER AND 3/4" DOMESTIC HOT WATER SHUT-OFF ISOLATION VALVES ABOVE CEILING WHERE SHOWN.
3. REMOVE EXISTING 1-1/4" DOMESTIC COLD WATER AND 3/4" DOMESTIC HOT WATER BRANCH PIPING SERVING RESTROOM FIXTURES BACK TO ABOVE CEILING WHERE SHOWN TO ALLOW FOR REROUTING TO NEW FIXTURES. EXISTING SHUT-OFF ISOLATION VALVES ABOVE CEILING SHALL BE REPLACED.
4. REMOVE EXISTING SINK TO ALLOW FOR INSTALLATION OF NEW SINK IN SAME LOCATION. DISCONNECT EXISTING 1/2" DOMESTIC HOT AND COLD WATER PIPING FROM SINK AND RECONNECT TO NEW SINK.
5. REMOVE TWO (2) EXISTING LAVATORIES AND TWO (2) EXISTING WATER CLOSETS TO ALLOW FOR ROOM FINISHES UPGRADE. FIXTURES SHALL BE RETAINED AND REINSTALLED IN SAME LOCATIONS ONCE FINISH UPGRADES ARE COMPLETE. NEW FAUCETS AND FLUSH VALVES ARE REQUIRED.

PLUMBING SPECIFICATIONS

GENERAL

THE PLUMBING DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO INDICATE THE GENERAL ARRANGEMENT OF EQUIPMENT AND PIPING. THE CONTRACTOR SHALL ATTEMPT TO ADHERE TO THE ARRANGEMENT SHOWN. THE CONTRACTOR SHALL MAKE REASONABLE MODIFICATIONS IN THE INSTALLATION AS REQUIRED SO ALL EQUIPMENT AND MATERIALS FIT PROPERLY AND CAN BE SERVICED.

IT IS THE INTENTION OF THE PLUMBING DRAWINGS TO CALL FOR FINISHED WORK, TESTED, AND READY FOR OPERATION. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT INDICATED ON THE DRAWINGS OR ANY INCIDENTAL ACCESSORIES REQUIRED TO MAKE WORK COMPLETE TO ALL RESPECTS AND READY FOR OPERATION SHALL BE FURNISHED, DELIVERED, AND INSTALLED WITHOUT ADDITIONAL EXPENSE OR TIME TO THE PROJECT.

THE PLUMBING CONTRACTOR SHALL EXAMINE ALL DRAWINGS RELATING TO WORK OF ALL TRADES AND BECOME FULLY INFORMED AS TO THE EXTENT AND CHARACTER OF THE WORK REQUIRED AND ITS RELATIONSHIP TO ALL OTHER WORK ON THE PROJECT. THE CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS IN LOCATING PIPING, EQUIPMENT, ETC. IN ORDER TO AVOID CONFLICT WITH OTHER CONTRACTOR'S WORK.

INSPECT THE SITE AND BE INFORMED WITH RESPECT TO THE CONDITIONS, FACILITIES, DIFFICULTIES, AND RESTRICTIONS UNDER WHICH THE WORK SHALL BE DONE. IF DISCREPANCIES IN OR OMISSIONS FROM THE CONTRACT DOCUMENTS ARE FOUND, NOTIFY THE ENGINEER IN WRITING. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR ANY ALLEGED MISUNDERSTANDING OF MATERIAL TO BE FURNISHED OR WORK TO BE DONE.

ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS OF TEMPORARY PARTITIONS AND/OR TARPS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.

COORDINATE ALL ACTIVITIES, EQUIPMENT, AND UTILITY SHUTDOWNS WHICH MAY AFFECT ACTIVITIES OF THE BUILDING. COOPERATE WITH THE OWNER'S REPRESENTATIVE TO MINIMIZE DISRUPTIONS TO THE BUILDING OCCUPANTS. ALL SHUT DOWNS OF EXISTING SYSTEMS SHALL BE SCHEDULED AND APPROVED BY THE OWNER PRIOR TO COMMENCING WITH THE WORK.

ALL ITEMS REMOVED SHALL BECOME PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS PER THE OWNER'S INSTRUCTIONS, UNLESS INDICATED OTHERWISE. ALL ITEMS WHICH ARE NOT TO BE STORED ON SITE BY OWNER SHALL BE REMOVED FROM THE BUILDING IMMEDIATELY.

USE OF THE OWNER'S ELEVATORS AND BUILDING CORRIDORS FOR HANDLING OF NEW AND REMOVED EQUIPMENT AND MATERIALS SHALL BE AT THE DIRECTION OF THE OWNER AND SHALL BE COORDINATED WITH HIS OPERATIONS.

COORDINATE ALL FINAL CONNECTIONS WITH THE OTHER TRADES AND OWNER FURNISHED EQUIPMENT. IF THIS CONTRACTOR INSTALLS HIS WORK BEFORE COORDINATION WITH THE OTHER TRADES OR THE OWNER SO AS TO CAUSE INTERFERENCE WITH THE WORK OF OTHER TRADES, HE SHALL MAKE ALL NECESSARY CHANGES IN HIS WORK AND CORRECT THE CONDITION WITHOUT EXTRA CHARGE OR SCHEDULE EXTENSION.

ALL EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.

ALL MATERIALS SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR UNLESS OTHERWISE NOTED.

EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED TO BE RELOCATED.

ALL UNDERGROUND UTILITIES SHALL BE VERIFIED FOR PIPE SIZE AND LOCATION PRIOR TO FABRICATING AND INSTALLING ANY NEW PIPING. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITIES OR BE GROUNDS FOR EXTRA CHARGES.

TAKE PRECAUTION AGAINST DAMAGE TO ANY EXISTING UTILITIES, FURNISHINGS, AND CONSTRUCTION NOT INCLUDED WITHIN THE SCOPE OF THIS WORK. ANY DAMAGE CAUSED BY THE CONTRACTORS OPERATION SHALL BE REPAIRED AT HIS EXPENSE COMPLETE AND TO THE SATISFACTION OF THE OWNER.

PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN ENDED.

CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSED BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT, AND ENVIRONMENTAL CONDITIONS.

IF CONTRACTOR ENCOUNTERS WHAT APPEARS TO BE A HAZARDOUS OR QUESTIONABLE MATERIAL, HE SHALL DISCONTINUE WORK IMMEDIATELY AND CONTACT THE OWNER'S REPRESENTATIVE.

THE PLUMBING CONTRACTOR SHALL KEEP ACCURATE RECORDS OF ALL CONCEALED PIPING AND EQUIPMENT WHICH DEVIATED FROM THE DRAWINGS. AT COMPLETION OF WORK, CONTRACTOR SHALL PRESENT TO THE OWNER'S REPRESENTATIVE A MARKED RECORD SET OF DESIGN PRINTS INDICATING CHANGES.

THE PLUMBING CONTRACTOR SHALL SUBMIT ELECTRONIC COPIES OF EQUIPMENT INFORMATION TO THE THREE I DESIGN PROJECT ENGINEER FOR REVIEW AND APPROVAL. THIS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, THE FOLLOWING:

1. SANITARY SEWER PIPING AND FITTINGS
2. DOMESTIC WATER PIPING AND FITTINGS
3. PLUMBING FIXTURES
4. VALVES
5. PIPE INSULATION

SUBSTITUTION OF PRODUCTS SHALL BE MADE ONLY WITH THE APPROVAL OF THE THREE I DESIGN PROJECT ENGINEER. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DESIGN CHANGES AND ASSOCIATED COSTS RELATED TO THE USE OF THE PROPOSED EQUAL.

ALL PLUMBING WORK SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING CODES AND STANDARDS:

1. THE STATE PLUMBING CODE
2. THE STATE MECHANICAL CODE
3. THE STATE BUILDING CODE
4. APPLICABLE NFPA STANDARDS
5. APPLICABLE OSHA STANDARDS

PIPING SPECIFICATIONS

UNDERGROUND SANITARY SEWER AND VENT PIPING

PVC PIPE: SCHEDULE 40, DWV, PVC PLASTIC, ASTM D1785 AND ASTM D2865.

PVC FITTINGS: PVC PLASTIC SOCKET FITTINGS, ASTM D 2665, MADE TO ASTM D3311 DRAIN, WASTE, AND VENT PATTERNS.

PVC SOLVENT CEMENT: ASTM D 2564. INCLUDE PRIMER ACCORDING TO ASTM F 656.

ABOVEGROUND SANITARY SEWER AND VENT PIPING

CAST IRON HUBLESS PIPE AND FITTINGS: ASTM A 888 OR CISPI 301. COUPLINGS SHALL BE TYPE 304 STAINLESS STEEL SHIELDED COUPLINGS, ASTM C 1277 OR CISPI 310, WITH TYPE 304 STAINLESS STEEL SHIELD, STAINLESS STEEL BANDS, AND ASTM C 564 RUBBER SLEEVE WITH INTEGRAL CENTER PIPE STOP. FOR UNDERGROUND SERVICE OR OTHERWISE NOTED, PROVIDE HEAVY-DUTY TYPE 304 STAINLESS STEEL SHIELDED COUPLINGS, ASTM C 1540, SUITABLE FOR UNDERGROUND INSTALLATION. INSTALL COUPLINGS ACCORDING TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS.

LEAK TESTS: THE PIPING OF THE PLUMBING, DRAINAGE, AND VENT SYSTEMS SHALL BE TESTED WITH WATER OR AIR. THE TESTS SHALL BE PER THE PLUMBING CODE AND THE AUTHORITIES HAVING JURISDICTION. AFTER THE PLUMBING FIXTURES HAVE BEEN SET AND THEIR TRAPS FILLED WITH WATER, THEY SHALL BE SUBMITTED TO A FINAL TEST.

DOMESTIC WATER PIPING

PIPING: HARD COPPER TUBE, TYPE L, ASTM B88, HARD DRAWN TEMPER.

FITTINGS: ASME B16.18, CAST-COPPER-ALLOY OR ASME B16.22, WROUGHT-COPPER, SOLDER-JOINT FITTINGS.

UNIONS: ASME B16.18, CAST COPPER-ALLOY BODY, HEXAGONAL STOCK, WITH BALL AND SOCKET JOINT, METAL-TO-METAL SEATING SURFACES, AND SOLDER JOINT ENDS.

BRONZE FLANGES: ASME B16.24, CLASS 150, WITH SOLDER-JOINT ENDS. FURNISH CLASS 300 FLANGES IF REQUIRED TO MATCH PIPING.
DIELECTRIC UNIONS AND FLANGES: JOIN PIPING OF DISIMILAR MATERIALS WITH DIELECTRIC UNIONS OR FLANGES TO PROTECT AGAINST GALVANIC AND STRAY CURRENT CORROSION. DIELECTRIC UNIONS SHALL BE RATED FOR 250 PSI, ANSI B 16.39. FLANGES SHALL BE RATED FOR 175 PSI, ANSI B16.42 OR B16.24. THE BODY AND NUT SHALL BE STEEL WITH GALVANIZED COAT, THE INSULATOR SHALL BE NYLON, THE TAILPIECE SHALL BE BRASS, AND THE GASKETS SHALL BE EPDM (STANDARD) OR VITON (HIGH TEMP.). WILKINS MODEL DU, DUC, OR DUM OR EQUAL.

Y-PATTERN STRAINERS, NPS 2" AND SMALLER: 250 LB., CAST BRONZE ASTM B62, BRASS SCREEN RETAINER, COPPER GASKET, 20 MESH TYPE 304 STAINLESS STEEL SCREEN, AND THREADED OR SOLDERED CONNECTIONS. MUELLER STEAM SPECIALTY MODEL 352M AND 358S.

VALVES, NPS 2" AND SMALLER: LEAD FREE BALL VALVE, 600 PSI CWP, TWO-PIECE CONSTRUCTION WITH LEAD FREE BRONZE BODY CONFORMING TO ASTM C898/86, STANDARD PORT, CHROME-PLATED LEAD FREE BRASS BALL, REPLACEABLE RPTFE SEATS, BLOWOUT PROOF LEAD FREE BRASS STEM, VINYL-COVERED STEEL HANDLE, AND SOLDER ENDS. MSS SP-110; ANSI/NSF 61-8 2008. VALVES SHALL HAVE STAINLESS STEEL STEM EXTENSIONS WHERE REQUIRED TO ALLOW FOR PROPER INSTALLATION OF INSULATION. APOLLO 70L-200 OR EQUAL.

WATER HAMMER ARRESTORS: EQUAL TO ZURN MODEL Z-1700 SHOKTROL WATER HAMMER ARRESTORS WITH NESTING TYPE BELLOWS CONTAINED WITHIN A CASING HAVING SUFFICIENT DISPLACEMENT VOLUME TO DISSIPATE THE CALCULATED KINETIC ENERGY GENERATED IN THE PIPING SYSTEM. CASING AND BELLOWS CONSTRUCTED OF TYPE 304 STAINLESS STEEL. SIZES SHALL BE NOTED ON THE DRAWINGS.

SOLDERED JOINTS: USE ASTM B 813, WATER-FLUSHABLE, LEAD-FREE FLUX; ASTM B 32, LEAD-FREE-ALLOY SOLDER, AND ASTM B 829 PROCEDURE, UNLESS OTHERWISE INDICATED.

BRAZING FILLER METALS: AWS A5.8, BCUF SERIES, COPPER-PHOSPHORUS ALLOYS FOR GENERAL-DUTY BRAZING, UNLESS OTHERWISE INDICATED.

INSULATION: INSULATE ALL DOMESTIC WATER PIPING WITH 1/2" INCH THICK FOR PIPING 1 1/2" INCHES DIAMETER AND SMALLER AND 1 INCH THICK FOR PIPING 2 INCHES DIAMETER AND LARGER FLEXIBLE ELASTOMERIC EXPANDED CLOSED CELL THERMAL INSULATION, ASTM C534, TYPE 1-TUBULAR, FLAME SPREAD 25/SMOKE DEVELOPED 50 IN ACCORDANCE WITH ASTM E84. ARMACELL AP ARMAFLEX PIPE INSULATION AND ARMAFLEX 520 ADHESIVE. INSTALL ACCORDING TO INSULATION MANUFACTURER'S WRITTEN INSTRUCTIONS.

LEAK TESTS: UPON COMPLETION OF A SECTION OR OF THE ENTIRE HOT AND COLD WATER SYSTEM, IT SHALL BE TESTED AND PROVIDED TIGHT UNDER A WATER PRESSURE NOT LESS THAN THE WORKING PRESSURE UNDER WHICH IT IS USED. THE WATER USED FOR TESTS SHALL BE OBTAINED FROM A POTABLE SOURCE OF SUPPLY. A 50 PSIG AIR PRESSURE TEST MAY BE SUBSTITUTED FOR THE WATER TEST. IN EITHER METHOD OF TESTING, THE PIPING SHALL WITHSTAND THE TEST WITHOUT LEAKING FOR A PERIOD OF NOT LESS THAN 15 MINUTES. REPAIR ALL LEAKS AS REQUIRED.

FLUSHING AND DISINFECTION OF POTABLE WATER SYSTEMS: NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE THOROUGHLY FLUSHED AND DISINFECTED PRIOR TO USE WHENEVER REQUIRED BY THE ADMINISTRATIVE AUTHORITY. THE METHOD TO BE FOLLOWED SHALL BE THAT PRESCRIBED BY THE HEALTH AUTHORITY, OR, IN CASE NO METHOD IS PRESCRIBED, PER THE STATE PLUMBING CODE REQUIREMENTS. CONTRACTOR SHALL PERFORM WATER SAMPLE BACTERIA TEST AT THE END OF THE PROJECT AND PROVIDE RESULTS TO THE OWNER'S REPRESENTATIVE.

PIPE SUPPORTS

CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED HANGERS, SUPPORTS, ANCHORS, FASTENERS, FITTINGS, ACCESSORIES, AND HARDWARE AS NECESSARY FOR THE COMPLETE INSTALLATION OF PLUMBING WORK. COMPLY WITH MISS-SP-58. CARBON STEEL PIPE HANGERS SHALL HAVE GALVANIZED METAL COATING, CONTINUOUS THREADED HANGER RODS, AND CARBON STEEL NUTS AND WASHERS. COPPER PIPE HANGERS SHALL HAVE COPPER-COATED STEEL.

PROVIDE PRODUCTS LISTED, CLASSIFIED, AND LABELED AS SUITABLE FOR THE PURPOSE INTENDED, WHERE APPLICABLE. CONTRACTOR SHALL TAKE SEISMIC REQUIREMENTS INTO CONSIDERATION WHILE SELECTING PRODUCTS. SEE SEISMIC SPECIFICATIONS BELOW.

WHERE SUPPORT AND ATTACHMENT COMPONENT TYPES AND SIZES ARE NOT INDICATED, SELECT IN ACCORDANCE WITH MANUFACTURER'S APPLICATION CRITERIA AS REQUIRED FOR THE LOAD TO BE SUPPORTED. INCLUDE CONSIDERATION FOR VIBRATION, EQUIPMENT OPERATION, AND SEISMIC/SHOCK LOADS WHERE APPLICABLE. INSTALL BUILDING ATTACHMENTS TO STRUCTURAL STEEL.

DO NOT USE WIRE, CHAIN, PERFORATED PIPE STRAP, OR WOOD FOR PERMANENT SUPPORTS UNLESS SPECIFICALLY INDICATED OR PERMITTED.

ALL STRUCTURAL STEEL COMPONENTS SHALL COMPLY WITH ASTM A992.

ALL WELDS SHALL BE BY A CERTIFIED WELDER PER AWS CODES.

SUPPORT SPACING SHALL NOT EXCEED 8'-0" OR PER MECHANICAL CODE LIMITATIONS, WHICHEVER IS MORE STRINGENT.

PIPE IDENTIFICATION

ALL NEW PIPING SYSTEMS SHALL BE LABELED WITH MANUFACTURED PIPE MARKERS NOTING UTILITY SERVICE AND FLOW DIRECTION. COMPLY WITH ASME A13.1, "SCHEME FOR THE IDENTIFICATION OF PIPING SYSTEMS," FOR LETTER SIZE, LENGTH OF COLOR FIELD, COLORS, AND VIEWING ANGLES OF IDENTIFICATION DEVICES FOR PIPING.

FIRE SEALANTS

ALL PIPE PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS SHALL BE SEALED PROPERLY IN ORDER TO MAINTAIN THE INTEGRITY OF THE RATED SYSTEM.

SEISMIC SPECIFICATIONS

SEISMIC RESTRAINTS: CONTRACTOR SHALL PROVIDE AND INSTALL ALL PIPING AND EQUIPMENT WITH SEISMIC RESTRAINTS AS REQUIRED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE WITH INDIANA AMENDMENTS AND ASCE STANDARD ASCE 7. SEISMIC DESIGN CATEGORY D.

SEISMIC RESTRAINT REFERENCE GUIDELINES: FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FEMA 414 - INSTALLING SEISMIC RESTRAINTS FOR DUCTWORK AND PIPING - DECEMBER 2004; FEMA 412 - INSTALLING SEISMIC RESTRAINTS FOR MECHANICAL EQUIPMENT - DECEMBER 2002; SMACNA - SEISMIC RESTRAINT MANUAL - GUIDELINES FOR MECHANICAL SYSTEMS - THIRD EDITION, 2008.

PLUMBING FIXTURE SPECIFICATIONS

FLOOR DRAIN, FD: EQUAL TO ZURN FLOOR DRAIN, MODEL NO. ZN415S-NL, WITH DURA-COATED CAST IRON BODY WITH 3-INCH BOTTOM NEO-LOC OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND "TYPE S" SQUARE POLISHED NICKEL BRONZE, LIGHT-DUTY STRAINER. QUANTITY FIVE (5).

LAVATORY LAV: EQUAL TO AMERICAN STANDARD, MODEL NO. 0355 012, "LUCERNE" WALL-HUNG VITREOUS CHINA LAVATORY WITH FRONT OVERFLOW, D-SHAPED BOWL, SELF-DRAINING DECK AREA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FAUCET LEGS, FAUCET HOLES ON 4-INCH CENTERS, CONCEALED ARMS SUPPORT, 20-1/2" x 18-1/4" NOMINAL DIMENSIONS, ADA COMPLIANT, AND CONFORMS TO ASME A112.19.2. PROVIDE ZURN MODEL NO. Z1231, LAVATORY SUPPORT SYSTEM WITH 250 LBS. CAPACITY COMPLETE WITH DURA-COATED RECTANGULAR STEEL UPRIGHTS WITH WELDED FEET, CAST IRON ADJUSTABLE HEADERS, CONCEALED ARMS, STEEL SLEEVES, ALIGNMENT TRUSS, AND MOUNTING FASTENERS. FAUCET SHALL BE EQUAL TO CHICAGO FAUCET, MODEL NO. 895-317GN2AE72ABCP, DECK MOUNTED MANUAL SINK FAUCET WITH 4-INCH FIXED CENTERS, 5-1/4" RIGID / SWING GOOSENECK SPOUT, 0.5 GPM NON-AERATING LAMINAR OUTLET, 4-INCH VANDAL PROOF WRIST BLADE HANDLES, QUATURN COMPRESSION OPERATING CARTRIDGE, 1/2-INCH NPSM SUPPLY INLETS AND COUPLING NUT FOR 3/8-INCH FLEXIBLE RISERS, TOTAL LEAD CONTENT EQUAL TO OR LESS THAN 0.25% BY WEIGHTED AVERAGE, ASME A112.18.1 COMPLIANT, CERTIFIED NSF 61, AND ADA COMPLIANT. PROVIDE CHROME PLATED CAST BRASS P-TRAP, CHROME PLATED CAST BRASS ANGLE SUPPLY STOPS, AND TRUBRO LAY GUARD 2 FAST-FIT UNDER SINK PIPE COVERS, MODEL 102 EZ. ADA; ASME A 112.19.2. CONTRACTOR SHALL INSTALL LAVATORY TIGHT TO WALL AND SEAL WITH WATERPROOF SEALANT WHERE LAVATORY MEETS WALL TO PREVENT LEAKS. QUANTITY FOUR (4). PROVIDE FAUCET ONLY FOR TWO (2) EXISTING LAVATORIES TO REMAIN.

WATER CLOSET, WC: EQUAL TO AMERICAN STANDARD, MODEL NO. 2257 101, "AFWALL" MILLENNIUM FLO-WISE ELONGATED FLUSHMOUNT TOILET WITH 1-1/2" INLET TOP SPOUD INLET. PROVIDE SLOAN ROYAL 111 (1.6 GALLON) FLUSH VALVE. PROVIDE INJECTION MOLDED SOLID POLYPROPYLENE HEAVY DUTY OPEN FRONT SEAT LESS COVER. PROVIDE AND INSTALL APPROPRIATE ADJUSTABLE, VERTICAL SIPHON JET WATER CLOSET CARRIER WITH 4-INCH NO-HUB CONNECTIONS COMPLETE WITH DURA-COATED CAST IRON RIGHT HAND, LEFT HAND, OR DOUBLE MAIN FITTING WITH 2-INCH VENT, ADJUSTABLE GASKETED FACEPLATE, UNIVERSAL FLOOR MOUNTED FOOT SUPPORTS, CORROSION RESISTANT ADJUSTABLE ABS COUPLING WITH INTEGRAL TEST CAP, FIXTURE BOLTS, TRIM, STUP PROTECTORS, REAR ANCHOR THE DOWN, AND BONDED NEO-SEAL GASKET. QUANTITY FOUR (4). PROVIDE FLUSH VALVE ONLY FOR TWO (2) EXISTING WATER CLOSETS TO REMAIN.

SINK, SK-1: EQUAL TO JUST ARMOR GROUP LEDGE TYPE SINGLE COMPARTMENT DEEP STAINLESS STEEL SINK, MODEL NO. SLX-2019-16-GR, WITH SEAMLESS DIE-DRAWN CONSTRUCTION OF 16 GA. TYPE 304 STAINLESS STEEL, INTERIOR AND TOP SURFACES POLISHED TO A NON-POROUS HAND BLENDED FINISH, FULLY COATED UNDERSIDE FOR SOUND AND CONDENSATION CONTROL. STRAIGHT-SIDED COMPARTMENT WITH 1-3/4" RADIUS CORNERS, SELF-RIMMING TOP MOUNT WITH GRIP-RIM PLUS WITH STAINLESS STEEL MOUNTING CHANNELS, DRAIN PUNCHED FOR JUST J-35-SF DRAIN, AND THREE (3) HOLES ON 4-INCH CENTERS. 20" x 19" OVERALL DIMENSIONS AND 14" x 16" x 10-1/2" DEEP BOWL DIMENSIONS. FAUCET SHALL BE CHICAGO FAUCET DECK MOUNTED MANUAL SINK FAUCET, MODEL NO. 786-GN8AE72ABCP, WITH 8-INCH FIXED CENTERS, 8-INCH RIGID / SWING GOOSENECK SPOUT, 0.5 GPM NON-AERATING LAMINAR OUTLET, 4-INCH VANDAL PROOF WRIST BLADE HANDLES, QUATURN COMPRESSION OPERATING CARTRIDGE, 1/2-INCH NPSM SUPPLY INLETS AND COUPLING NUT FOR 3/8-INCH FLEXIBLE RISERS, TOTAL LEAD CONTENT EQUAL TO OR LESS THAN 0.25% BY WEIGHTED AVERAGE, ASME A112.18.1 COMPLIANT, CERTIFIED NSF 61, AND ADA COMPLIANT. PROVIDE CHROME PLATED CAST BRASS P-TRAP AND CHROME PLATED CAST BRASS ANGLE SUPPLY STOPS. QUANTITY ONE (1).

SINK, SK-2: EQUAL TO JUST DOUBLE COMPARTMENT DEEP STAINLESS STEEL SINK, MODEL NO. DLX-1933A-J, WITH SEAMLESS DIE-DRAWN CONSTRUCTION OF 16 GA. TYPE 304 STAINLESS STEEL, INTERIOR AND TOP SURFACES POLISHED TO A NON-POROUS HAND BLENDED FINISH, FULLY COATED UNDERSIDE FOR SOUND AND CONDENSATION CONTROL. STRAIGHT-SIDED COMPARTMENT WITH 1-3/4" RADIUS CORNERS, SELF-RIMMING TOP MOUNT WITH GRIP-RIM PLUS WITH STAINLESS STEEL MOUNTING CHANNELS, DRAIN PUNCHED FOR JUST J-35-SF DRAIN, AND THREE (3) HOLES ON 4-INCH CENTERS. 33" x 19" OVERALL DIMENSIONS AND 14" x 14" x 10" DEEP BOWL DIMENSIONS. FAUCET SHALL BE CHICAGO FAUCET DECK MOUNTED MANUAL SINK FAUCET, MODEL NO. 786-GN8AE72ABCP, WITH 8-INCH FIXED CENTERS, 8-INCH RIGID / SWING GOOSENECK SPOUT, 0.5 GPM NON-AERATING LAMINAR OUTLET, 4-INCH VANDAL PROOF WRIST BLADE HANDLES, QUATURN COMPRESSION OPERATING CARTRIDGE, 1/2-INCH NPSM SUPPLY INLETS AND COUPLING NUT FOR 3/8-INCH FLEXIBLE RISERS, TOTAL LEAD CONTENT EQUAL TO OR LESS THAN 0.25% BY WEIGHTED AVERAGE, ASME A112.18.1 COMPLIANT, CERTIFIED NSF 61, AND ADA COMPLIANT. PROVIDE CHROME PLATED CAST BRASS P-TRAP AND CHROME PLATED CAST BRASS ANGLE SUPPLY STOPS. QUANTITY ONE (1).

SINK, SK-3: EQUAL TO JUST DROP-IN LEDGE TYPE SINGLE COMPARTMENT STAINLESS STEEL SINK, MODEL NO. SL1613A-J, WITH SEAMLESS DIE-DRAWN CONSTRUCTION OF 16 GA. TYPE 304 STAINLESS STEEL, INTERIOR AND TOP SURFACES POLISHED TO A NON-POROUS HAND BLENDED FINISH, FULLY COATED UNDERSIDE FOR SOUND AND CONDENSATION CONTROL. STRAIGHT-SIDED COMPARTMENT WITH 1-3/4" RADIUS CORNERS, SELF-RIMMING TOP MOUNT WITH GRIP-RIM PLUS WITH STAINLESS STEEL MOUNTING CHANNELS, DRAIN PUNCHED FOR JUST J-35-SF DRAIN, AND ONE (1) HOLE CENTERED. 13" x 16" OVERALL DIMENSIONS AND 10" x 10" x 7-5/8" DEEP BOWL DIMENSIONS. FAUCET SHALL BE CHICAGO FAUCET DECK MOUNTED MANUAL SINK FAUCET, MODEL NO. 490-ABCP, WITH 8-INCH RIGID / SWING GOOSENECK SPOUT, 1.5 GPM NON-AERATING LAMINAR OUTLET, VANDAL PROOF LEVER HANDLE, 1/2-INCH NPSM SUPPLY INLETS AND COUPLING NUT FOR 3/8-INCH FLEXIBLE RISERS, TOTAL LEAD CONTENT EQUAL TO OR LESS THAN 0.25% BY WEIGHTED AVERAGE, ASME A112.18.1 COMPLIANT, CERTIFIED NSF 61, AND ADA COMPLIANT. PROVIDE CHROME PLATED CAST BRASS P-TRAP AND CHROME PLATED CAST BRASS ANGLE SUPPLY STOPS. QUANTITY ONE (1).

FLOOR CLEANOUT, CO: EQUAL TO ZURN, MODEL NO. Z1400-SZ, "LEVEL-TROL" SQUARE ADJUSTABLE LEVELING FLOOR CLEANOUT WITH DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS THREAD PLUG, 4-INCH NO-HUB OUTLET, AND ROUND SCORiated SECURED LIGHT-DUTY TOP WITH SQUARE FRAME. QUANTITY ONE (1).

WALL CLEANOUT, WCO: EQUAL TO ZURN, MODEL NO. Z1441, WALL CLEANOUT WITH SMOOTH ACCESS COVER, CAST IRON BODY, AND WATERTIGHT ABS TAPERED THREAD PLUG. QUANTITY TWO (2).

FIRE PROTECTION SPECIFICATIONS

GENERAL

THE FIRE PROTECTION CONTRACTOR SHALL CAREFULLY EXAMINE ALL ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS PERTAINING TO THE CONSTRUCTION PRIOR TO FABRICATING AND INSTALLING THE WORK. THE FIRE PROTECTION CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS IN LOCATING SPRINKLER PIPING AND SPRINKLER HEADS IN ORDER TO AVOID CONFLICT WITH OTHER CONTRACTORS WORK.

ALL FIRE PROTECTION WORK SHALL CONFORM TO THE LATEST EDITION OF NFPA 13, "STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS" AND TO ALL STATE AND LOCAL BUILDING CODES, FIRE MARSHAL, AND INSURANCE UNDERWRITER REQUIREMENTS.

ALL MATERIALS SHALL BE PROVIDED BY THE FIRE PROTECTION CONTRACTOR UNLESS OTHERWISE NOTED.

INSURANCE UNDERWRITER INFORMATION (I.E. COVERAGE REQUIREMENTS, CONTACT PERSON) SHALL BE OBTAINED FROM THE OWNER.

OCCUPANCY AND HAZARD CLASSIFICATIONS AS WELL AS DENSITY/COVERAGE REQUIREMENTS SHALL BE APPROVED BY THE OWNER'S INSURANCE UNDERWRITER AS WELL AS THE AUTHORITIES HAVING JURISDICTION PRIOR TO THE INSTALLATION.

THE OCCUPANCY/HAZARD CLASSIFICATION AND DENSITY/COVERAGE REQUIREMENTS SHALL BE CLEARLY INDICATED ON THE BID.

THE FIRE PROTECTION CONTRACTOR SHALL SUBMIT DESIGN DRAWINGS TO THE AUTHORITIES HAVING JURISDICTION FOR APPROVAL PRIOR TO THE INSTALLATION. IN ADDITION, THE FIRE PROTECTION CONTRACTOR SHALL SUBMIT ELECTRONIC COPIES OF THE DESIGN DRAWINGS AND EQUIPMENT SUBMITTALS TO THREE I DESIGN FOR GENERAL REVIEW. AT PROJECT CLOSEOUT, CONTRACTOR SHALL SUBMIT "FOR RECORD" ELECTRONIC COPIES OF THE DESIGN DRAWINGS TO THE OWNER.

TENTATIVELY, THE SYSTEM SHALL BE DESIGNED FOR LIGHT HAZARD OCCUPANCY WITH A DESIGN DENSITY PER THE INSURANCE CARRIER AND AUTHORITIES HAVING JURISDICTION REQUIREMENTS. SPRINKLER REQUIREMENTS SHALL BE MAXIMUM 225 SQUARE FOOT PER HEAD WITH MAXIMUM 15 FOOT SPACING USING 162 DEGREES F SEMI-RECESSED SPRINKLERS. THESE REQUIREMENTS SHALL BE CONFIRMED BY THE AUTHORITIES HAVING JURISDICTION AND THE INSURANCE UNDERWRITER PRIOR TO THE DESIGN.

THE SYSTEM(S) SHALL BE HYDRAULICALLY CALCULATED. FLOW INFORMATION AND DESIGN INFORMATION OF EXISTING SYSTEMS SHALL BE OBTAINED FROM THE OWNER.

UNLESS SHOWN OTHERWISE, EXACT PIPE ROUTING SHALL BE DETERMINED BY THE FIRE PROTECTION CONTRACTOR AND SHALL BE CLOSELY COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION.

TENTATIVE HEAD LOCATIONS ARE SHOWN ON THE DRAWING(S) BASED ON THE ABOVE LISTED REQUIREMENTS AND IS FOR GUIDELINE PURPOSES ONLY. THE FIRE PROTECTION CONTRACTOR SHALL ADJUST QUANTITY AND LOCATIONS OF SPRINKLER HEADS AS REQUIRED TO MEET REQUIREMENTS. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE SPRINKLER HEAD LOCATIONS WITH THE GENERAL CONTRACTOR PRIOR TO THE INSTALLATION. ALL SPRINKLER HEADS SHALL BE CENTERED IN SUSPENDED LAY-IN TYPE CEILING APPLICATIONS.

PROVIDE SEISMIC RESTRAINTS ON FIRE PROTECTION SYSTEMS IN ACCORDANCE WITH NFPA 13.

THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE COORDINATION AND INSTALLATION OF ALL REQUIRED ALARM DEVICES (I.E. FLOW SWITCHES, TAMPER SWITCHES, ETC.) INTO THE BUILDING ANNUNCIATOR PANEL AS DIRECTED BY THE OWNER. THE INSTALLATION SHALL CONFORM TO NFPA 13 REQUIREMENTS AS WELL AS ALL APPLICABLE ELECTRICAL CODES AND STANDARDS.

FIRE PROTECTION CONTRACTOR SHALL COORDINATE ALL SERVICE SHUTDOWNS AS WELL AS WORK SCHEDULES WITH THE OWNER PRIOR TO COMMENCING WITH THE WORK.

ALL UNDERGROUND UTILITIES SHALL BE VERIFIED FOR PIPE SIZE AND LOCATION PRIOR TO FABRICATING AND INSTALLING ANY NEW PIPING. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITIES OR BE GROUNDS FOR EXTRA CHARGES.

THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR BEING FULLY AWARE OF THE PROJECT CONDITIONS AND PARAMETERS PRIOR TO SUBMITTING THE BID.

SCOPE OF WORK

THE FIRE PROTECTION CONTRACTOR'S WORK SHALL INCLUDE BUT MAY NOT BE LIMITED TO THE FOLLOWING:

1. RELOCATION OF EXISTING SPRINKLER HEADS DUE TO THE ASSOCIATED RENOVATION WORK. SEE REFLECTED CEILING PLANS ON SHEETS A7 THROUGH A8 FOR TENTATIVE SPRINKLER HEAD LOCATIONS.
2. ADDITION OF NEW SPRINKLER HEADS DUE TO THE ASSOCIATED RENOVATION WORK AS REQUIRED. SEE REFLECTED CEILING PLANS ON SHEETS A7 THROUGH A8 FOR TENTATIVE SPRINKLER HEAD LOCATIONS.

Owen Valley
MS Add 1



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REV	DATE	BY	ITEM
A	08/07/23	RTN	ISSUED FOR 100% REVIEW
B	11/01/23	RTN	ISSUED FOR BID
C	11/17/23	RTN	ADDENDUM #1

ADDITION AND INTERIOR RENOVATIONS
OWEN VALLEY MIDDLE SCHOOL
626 IN-46, SPENCER, INDIANA 47460

PLUMBING AND FIRE PROTECTION SPECIFICATIONS

DRAWN BY: RTN	DESIGNED BY: RTN
CHECKED BY: BWW	DATE: 05/02/23

SCALE: NONE

PROJECT NUMBER:
22286A

SHEET NO:
P7

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BID
11/01/23



REV	DATE	BY	ITEM
A	07/27/23	NDH	ISSUED FOR 30% REVIEW
B	08/17/23	NDH	ISSUED FOR 60% REVIEW
C	09/07/23	NDH	ISSUED FOR 100% REVIEW
D	11/01/23	NDH	ISSUED FOR BID
E	11/17/23	NDH	ADDENDUM #1

**CANOPY AND SECURED ENTRY RENOVATIONS
OWEN VALLEY MIDDLE SCHOOL
626 IN-46, SPENCER, INDIANA 47460**

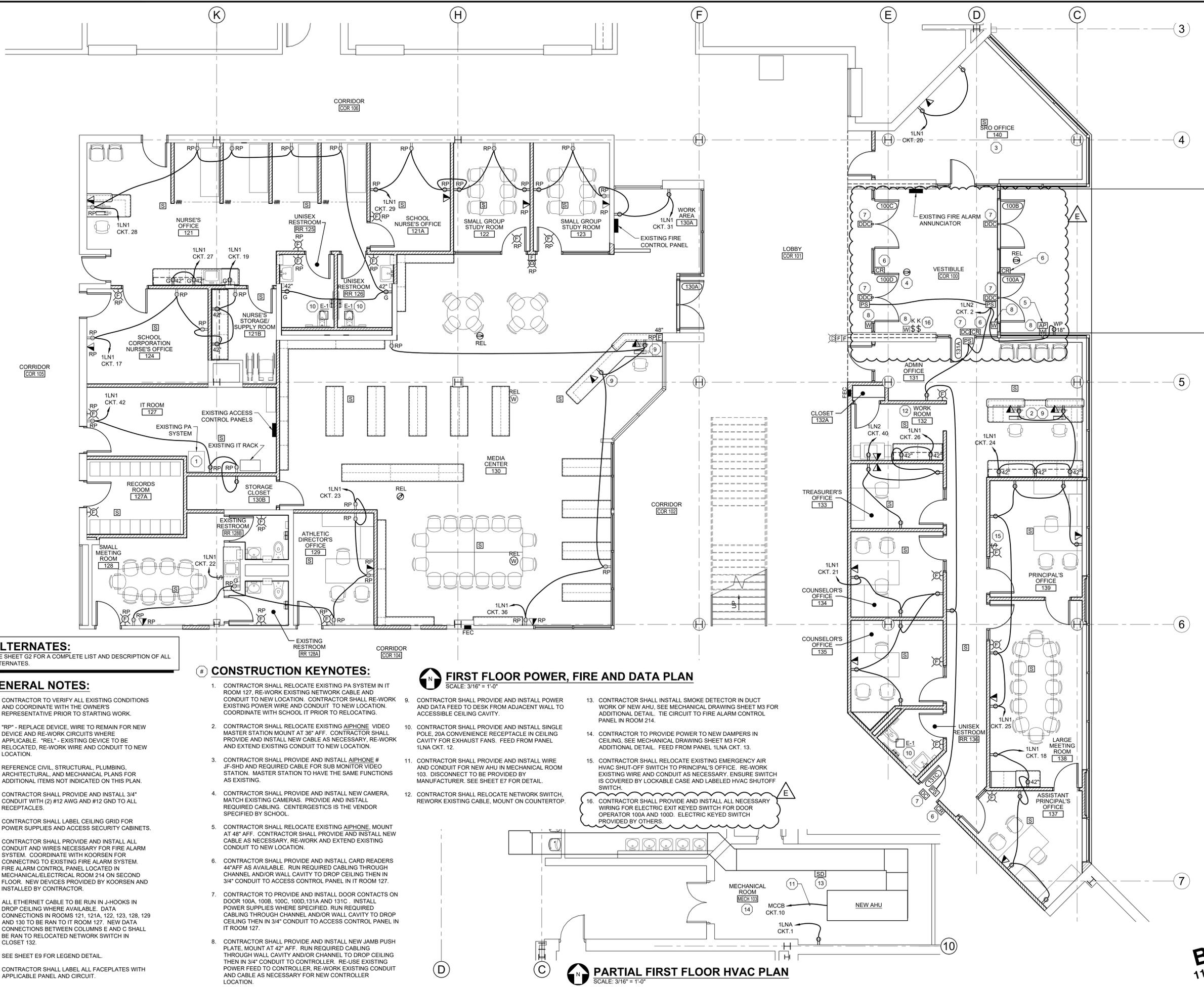
FIRST FLOOR POWER, FIRE AND DATA PLAN

DRAWN BY: NDH
DESIGNED BY: NDH
CHECKED BY: NKZ
DATE: 06/22/23

SCALE: 3/16" = 1' - 0"
PROJECT NUMBER: 22286A

SHEET NO: **E3**
52 of 58

BID
11/01/23



PARTIAL FIRST FLOOR HVAC PLAN
SCALE: 3/16" = 1'-0"

FIRST FLOOR POWER, FIRE AND DATA PLAN
SCALE: 3/16" = 1'-0"

CONSTRUCTION KEYNOTES:

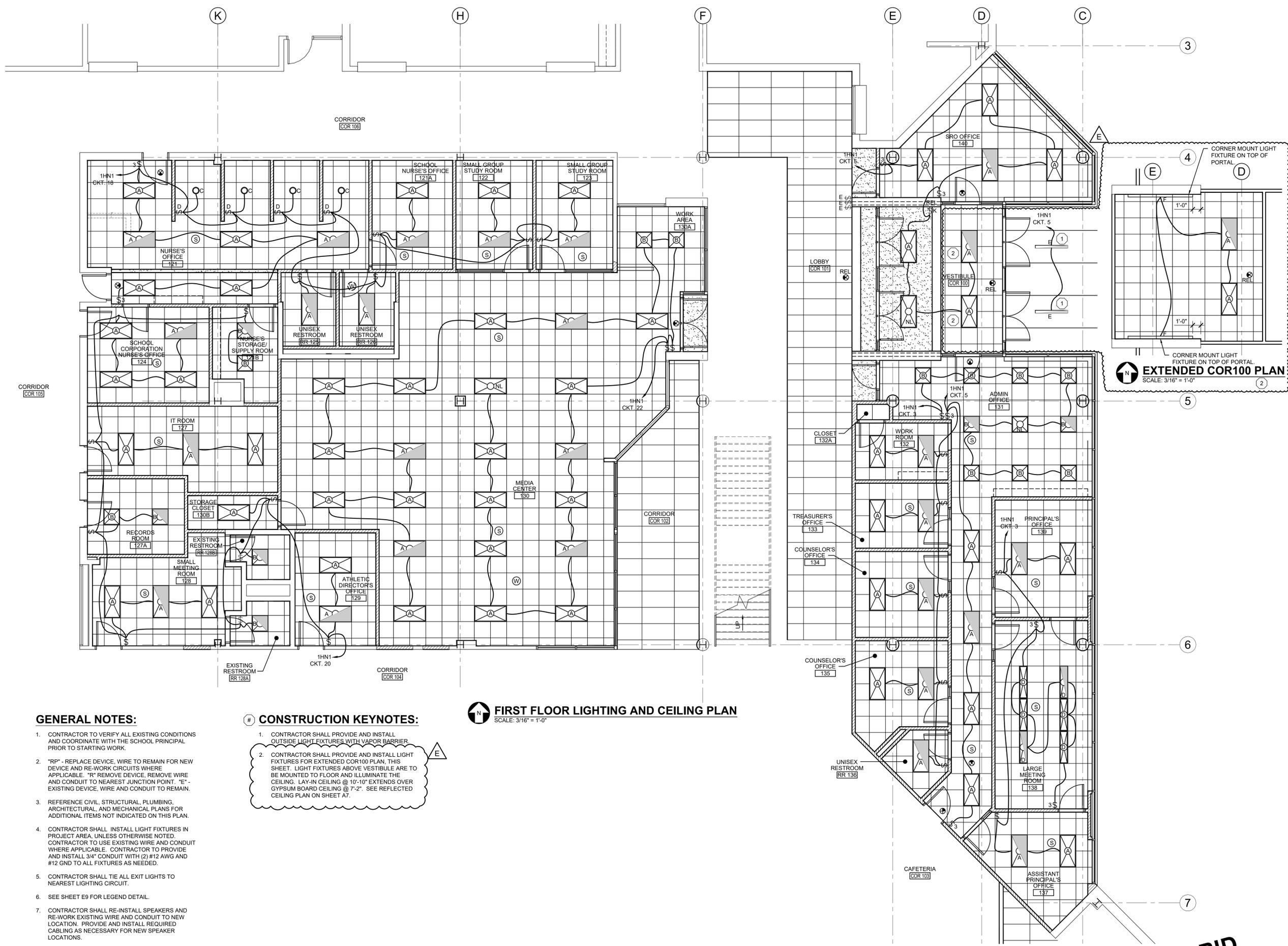
- CONTRACTOR SHALL RELOCATE EXISTING PA SYSTEM IN IT ROOM 127, RE-WORK EXISTING NETWORK CABLE AND CONDUIT TO NEW LOCATION. CONTRACTOR SHALL RE-WORK EXISTING POWER WIRE AND CONDUIT TO NEW LOCATION. COORDINATE WITH SCHOOL IT PRIOR TO RELOCATING.
- CONTRACTOR SHALL RELOCATE EXISTING AIPHONE VIDEO MASTER STATION MOUNT AT 36" AFF. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CABLE AS NECESSARY, RE-WORK AND EXTEND EXISTING CONDUIT TO NEW LOCATION.
- CONTRACTOR SHALL PROVIDE AND INSTALL AIPHONE # JF-SHD AND REQUIRED CABLE FOR SUB MONITOR VIDEO STATION. MASTER STATION TO HAVE THE SAME FUNCTIONS AS EXISTING.
- CONTRACTOR SHALL PROVIDE AND INSTALL NEW CAMERA, MATCH EXISTING CAMERAS. PROVIDE AND INSTALL REQUIRED CABLING. CENTERGESTICS IS THE VENDOR SPECIFIED BY SCHOOL.
- CONTRACTOR SHALL RELOCATE EXISTING AIPHONE, MOUNT AT 48" AFF. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CABLE AS NECESSARY, RE-WORK AND EXTEND EXISTING CONDUIT TO NEW LOCATION.
- CONTRACTOR SHALL PROVIDE AND INSTALL CARD READERS 44" AFF AS AVAILABLE. RUN REQUIRED CABLING THROUGH CHANNEL AND/OR WALL CAVITY TO DROP CEILING THEN IN 3/4" CONDUIT TO ACCESS CONTROL PANEL IN IT ROOM 127.
- CONTRACTOR TO PROVIDE AND INSTALL DOOR CONTACTS ON DOOR 100A, 100B, 100C, 100D, 131A AND 131C. INSTALL POWER SUPPLIES WHERE SPECIFIED. RUN REQUIRED CABLING THROUGH CHANNEL AND/OR WALL CAVITY TO DROP CEILING THEN IN 3/4" CONDUIT TO ACCESS CONTROL PANEL IN IT ROOM 127.
- CONTRACTOR SHALL PROVIDE AND INSTALL NEW JAMB PUSH PLATE, MOUNT AT 42" AFF. RUN REQUIRED CABLING THROUGH WALL CAVITY AND/OR CHANNEL TO DROP CEILING THEN IN 3/4" CONDUIT TO CONTROLLER. RE-USE EXISTING POWER FEED TO CONTROLLER, RE-WORK EXISTING CONDUIT AND CABLE AS NECESSARY FOR NEW CONTROLLER LOCATION.
- CONTRACTOR SHALL PROVIDE AND INSTALL POWER AND DATA FEED TO DESK FROM ADJACENT WALL TO ACCESSIBLE CEILING CAVITY.
- CONTRACTOR SHALL PROVIDE AND INSTALL SINGLE POLE, 20A CONVENIENCE RECEPTACLE IN CEILING CAVITY FOR EXHAUST FANS. FEED FROM PANEL 1LNA CKT. 12.
- CONTRACTOR SHALL PROVIDE AND INSTALL WIRE AND CONDUIT FOR NEW AHU IN MECHANICAL ROOM 103. DISCONNECT TO BE PROVIDED BY MANUFACTURER. SEE SHEET E7 FOR DETAIL.
- CONTRACTOR SHALL RELOCATE NETWORK SWITCH, REWORK EXISTING CABLE, MOUNT ON COUNTERTOP.
- CONTRACTOR SHALL INSTALL SMOKE DETECTOR IN DUCT WORK OF NEW AHU. SEE MECHANICAL DRAWING SHEET M3 FOR ADDITIONAL DETAIL. THE CIRCUIT TO FIRE ALARM CONTROL PANEL IN ROOM 214.
- CONTRACTOR TO PROVIDE POWER TO NEW DAMPERS IN CEILING, SEE MECHANICAL DRAWING SHEET M3 FOR ADDITIONAL DETAIL. FEED FROM PANEL 1LNA CKT. 13.
- CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY AIR HVAC SHUT-OFF SWITCH TO PRINCIPAL'S OFFICE. RE-WORK EXISTING WIRE AND CONDUIT AS NECESSARY. ENSURE SWITCH IS COVERED BY LOCKABLE CASE AND LABELED HVAC SHUT-OFF SWITCH.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY WIRING FOR ELECTRIC EXIT KEYED SWITCH FOR DOOR OPERATOR 100A AND 100D. ELECTRIC KEYED SWITCH PROVIDED BY OTHERS.

ALTERNATES:
SEE SHEET G2 FOR A COMPLETE LIST AND DESCRIPTION OF ALL ALTERNATES.

GENERAL NOTES:

- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND COORDINATE WITH THE OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.
- "RP" - REPLACE DEVICE, WIRE TO REMAIN FOR NEW DEVICE AND RE-WORK CIRCUITS WHERE APPLICABLE. "REL" - EXISTING DEVICE TO BE RELOCATED, RE-WORK WIRE AND CONDUIT TO NEW LOCATION.
- REFERENCE CIVIL, STRUCTURAL, PLUMBING, ARCHITECTURAL, AND MECHANICAL PLANS FOR ADDITIONAL ITEMS NOT INDICATED ON THIS PLAN.
- CONTRACTOR SHALL PROVIDE AND INSTALL 3/4" CONDUIT WITH (2) #12 AWG AND #12 GND TO ALL RECEPTACLES.
- CONTRACTOR SHALL LABEL CEILING GRID FOR POWER SUPPLIES AND ACCESS SECURITY CABINETS.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT AND WIRES NECESSARY FOR FIRE ALARM SYSTEM. COORDINATE WITH KOORSEN FOR CONNECTING TO EXISTING FIRE ALARM SYSTEM. FIRE ALARM CONTROL PANEL LOCATED IN MECHANICAL/ELECTRICAL ROOM 214 ON SECOND FLOOR. NEW DEVICES PROVIDED BY KOORSEN AND INSTALLED BY CONTRACTOR.
- ALL ETHERNET CABLE TO BE RUN IN J-HOOKS IN DROP CEILING WHERE AVAILABLE. DATA CONNECTIONS IN ROOMS 121, 121A, 122, 123, 128, 129 AND 130 TO BE RUN TO IT ROOM 127. NEW DATA CONNECTIONS BETWEEN COLUMNS E AND C SHALL BE RUN TO RELOCATED NETWORK SWITCH IN CLOSET 132.
- SEE SHEET E9 FOR LEGEND DETAIL.
- CONTRACTOR SHALL LABEL ALL FACEPLATES WITH APPLICABLE PANEL AND CIRCUIT.

Nov 15, 2023 - 9:28am N:\Clients\S-Z\Spencer-Owen Community Schools\22286A Spencer Owen Secured Entrance & Canopy\22286AE3.dwg Plotted By: rnhagus



FIRST FLOOR LIGHTING AND CEILING PLAN
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND COORDINATE WITH THE SCHOOL PRINCIPAL PRIOR TO STARTING WORK.
- "RP" - REPLACE DEVICE, WIRE TO REMAIN FOR NEW DEVICE AND RE-WORK CIRCUITS WHERE APPLICABLE. "R" REMOVE DEVICE, REMOVE WIRE AND CONDUIT TO NEAREST JUNCTION POINT. "E" - EXISTING DEVICE, WIRE AND CONDUIT TO REMAIN.
- REFERENCE CIVIL, STRUCTURAL, PLUMBING, ARCHITECTURAL, AND MECHANICAL PLANS FOR ADDITIONAL ITEMS NOT INDICATED ON THIS PLAN.
- CONTRACTOR SHALL INSTALL LIGHT FIXTURES IN PROJECT AREA, UNLESS OTHERWISE NOTED. CONTRACTOR TO USE EXISTING WIRE AND CONDUIT WHERE APPLICABLE. CONTRACTOR TO PROVIDE AND INSTALL 3/4" CONDUIT WITH (2) #12 AWG AND #12 GND TO ALL FIXTURES AS NEEDED.
- CONTRACTOR SHALL TIE ALL EXIT LIGHTS TO NEAREST LIGHTING CIRCUIT.
- SEE SHEET E9 FOR LEGEND DETAIL.
- CONTRACTOR SHALL RE-INSTALL SPEAKERS AND RE-WORK EXISTING WIRE AND CONDUIT TO NEW LOCATION. PROVIDE AND INSTALL REQUIRED CABLING AS NECESSARY FOR NEW SPEAKER LOCATIONS.

CONSTRUCTION KEYNOTES:

- CONTRACTOR SHALL PROVIDE AND INSTALL OUTSIDE LIGHT FIXTURES WITH VAPOR BARRIER.
- CONTRACTOR SHALL PROVIDE AND INSTALL LIGHT FIXTURES FOR EXTENDED COR100 PLAN, THIS SHEET. LIGHT FIXTURES ABOVE VESTIBULE ARE TO BE MOUNTED TO FLOOR AND ILLUMINATE THE CEILING. LAY-IN CEILING @ 10'-10" EXTENDS OVER GYPSUM BOARD CEILING @ 7'-2". SEE REFLECTED CEILING PLAN ON SHEET A7.

REV	DATE	BY	ITEM
A	07/27/23	NDH	ISSUED FOR 30% REVIEW
B	08/17/23	NDH	ISSUED FOR 60% REVIEW
C	09/07/23	NDH	ISSUED FOR 100% REVIEW
D	11/01/23	NDH	ISSUED FOR BID
E	11/17/23	NDH	APPENDIX #1

**CANOPY AND SECURED ENTRY RENOVATIONS
OWEN VALLEY MIDDLE SCHOOL
626 IN-46, SPENCER, INDIANA 47460**

FIRST FLOOR LIGHTING AND CEILING PLAN

DRAWN BY: NDH	DESIGNED BY: NDH
CHECKED BY: NKZ	DATE: 06/22/23

SCALE:
3/16" = 1' - 0"
PROJECT NUMBER:
22286A

SHEET NO:
E5
54 of 58

BID
11/01/23

Nov 20, 2023 - 12:39pm N:\Clients\22286A\Spencer-Owen Secured Entrance & Canopy\22286A\EA9.dwg Plotted By: rnarquez

GENERAL SPECIFICATIONS:

- 1. THREE I DESIGN HAS CONDUCTED REASONABLE RESEARCH AND FIELD VERIFICATION OF EXISTING CONSTRUCTION TO PREPARE THESE DOCUMENTS. HOWEVER, SUCH RESEARCH MAY NOT IDENTIFY ALL EXISTING CONDITIONS...
2. RECORD DRAWINGS (OFTEN REFERRED TO AS "RED LINES" OR "AS-BUILTS") SHALL BE MAINTAINED BY EACH SUBCONTRACTOR...
3. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL ELECTRICAL MATERIAL, EQUIPMENT AND INCIDENTALS...
4. ELECTRICAL CONTRACTOR SHALL ORDER MATERIALS AND EQUIPMENT PER DESCRIPTION AND SPECIFICATIONS...
5. THIS ELECTRICAL SYSTEM HAS BEEN DESIGNED PER THE 2017 NATIONAL ELECTRIC CODE (NEC)...
6. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR UNLOADING OR LOADING ALL SHIPMENTS OF ELECTRICAL EQUIPMENT...
7. THE DRAWINGS IN THIS PROJECT, SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT, APPARATUS, DEVICES, AND ACCESSORIES...
8. CONTRACTOR SHALL REMOVE ABANDONED WIRING SHALL BE REMOVED TO SOURCE. ABANDONED CONDUIT SHALL BE REMOVED AND CUT FLUSH WITH WALLS AND FLOORS...
9. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED...
10. PROVIDE SINGLE CONDUCTOR BUILDING WIRE INSTALLED IN SUITABLE RACEWAY UNLESS OTHERWISE NOTED...
13. SINGLE CONDUCTOR BUILDING WIRE ACCEPTABLE MANUFACTURERS ARE CERRO WIRE, ENCORE WIRE CORPORATION, AND SOUTHWIRE COMPANY...
14. METAL CLAD CABLE IS PERMITTED WHERE CONCEALED ABOVE ACCESSIBLE CEILINGS FOR FINAL CONNECTION FROM JUNCTION BOXES TO LUMINAIRES...
15. METAL CLAD CABLE ACCEPTABLE MANUFACTURERS ARE AFC CABLE SYSTEMS, ENCORE WIRE CORPORATION, AND SOUTHWIRE COMPANY...
16. ELECTRICAL CONTRACTOR SHALL PROVIDE STANDARD VINYL-CLOTH, SELF-ADHESIVE CABLE/CONDUIT MARKERS OF WRAP-AROUND TYPE...
17. CABLE/CONDUIT MARKERS SHALL INCLUDE FEEDER NUMBER ON EACH END OF EACH CONDUCTOR IN EACH CONDUIT...
18. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL AFFECTED PANELS...
19. ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH OTHER CONTRACTORS TO PREVENT INTERFERENCE OF THE INSTALLATION...
20. ELECTRICAL CONTRACTOR SHALL PATCH ALL HOLES IN CEILINGS, WALLS, ETC. FOR ELECTRICAL DEMOLITION AND CONSTRUCTION...
21. ALL BLANK BOXES AND EMPTY CONDUITS SHALL HAVE PULL WIRES IN PLACE...
22. ELECTRICAL CONTRACTOR SHALL MOUNT ALL ELECTRICAL DEVICE BOXES AND OBTAIN APPROVAL OF LOCATION FROM OWNER...
23. MIXING OF WIRES FROM DIFFERENT PANELS IN JUNCTION BOXES SHALL BE AVOIDED...
24. ELECTRICAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE SUBMITTING A BID...
25. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK SHOWN, WIRING AND DEVICES (PROVIDE AND INSTALL) AND/OR DESCRIBED IN THE CONSTRUCTION DOCUMENTS...
26. AT COMPLETION SUBMIT TO OWNER ALL THE WARRANTY DOCUMENTATION FOR ALL NEW INSTALLED EQUIPMENT...
27. COMPLY WITH PROJECT'S GENERAL NOTES AND REQUIREMENTS OUTLINED ON ARCHITECTURAL DRAWINGS...
28. ALL EQUIPMENT, EQUIPMENT INSTALLATION, WIRING AND WIRING METHODS, GROUNDING, LABELING ETC. SHALL BE INSTALLED IN COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS...
29. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN A GOOD WORKMANLIKE MANNER...
30. IT SHALL BE THE RESPONSIBILITY OF EACH TRADE TO CLEAN UP ALL DEBRIS CREATED FROM THEIR PORTION OF WORK...
31. PROVIDE SUBMITTALS FOR PANELBOARDS FOR REVIEW AND APPROVAL PRIOR TO ORDERING...
32. MANUFACTURERS: NO SUBSTITUTIONS WILL BE ACCEPTABLE WITHOUT THE WRITTEN APPROVAL FROM OWNER...
33. WHERE LIQUID TIGHT FLEXIBLE CONDUIT IS USED, AN ADDITIONAL STRANDED COPPER-GROUNDING CONDUCTOR SHALL BE INSTALLED AS A GROUNDING CONNECTION...
34. SPLICES IN WIRE OR CABLE GROUND CONDUCTORS SHALL NOT BE PERMITTED, UNLESS SPECIFIED...
35. WIRE AND CABLE FOR GENERAL BUILDING USE SHALL BE SINGLE CONDUCTOR STRANDED COPPER, RATED 600V...
36. WIRE AND CABLE SHALL BE MARKED AND LABELED IN ACCORDANCE WITH NEC ARTICLE 310...
37. WIRE AND CABLE INSTALLATION SHALL COMPLY WITH ALL APPLICABLE ARTICLES AND SECTIONS OF THE NEC OR AS APPLICABLE AND SHALL BE IN ACCORDANCE WITH THE CABLE MANUFACTURER'S PULLING TENSION AND SIDEWALL PRESSURE REQUIREMENTS.

GENERAL SPECIFICATIONS (CONTINUED):

- 38. CABLE SHALL BE INSTALLED LEVEL AND PLUMB IN NEAT SYMMETRICAL LINES PARALLEL TO BUILDING COLUMN LINES OR WALLS AND CLOSELY FOLLOWING THE BUILDING OUTLINE...
39. CONDUCTORS PASSING THROUGH OR TERMINATING IN JUNCTION OR DEVICE BOXES SHALL HAVE SUFFICIENT SLACK TO ALLOW CONDUCTORS TO BE PULLED ACROSS THE ENTIRE LENGTH OF THE BOX PLUS A MINIMUM OF 6 INCHES...
40. WIRE AND CABLE SHALL BE CONTINUOUS IN LENGTH AND DELIVERED IN REELS OR IN COILS...
41. THE MINIMUM BENDING RADII FOR SINGLE-CONDUCTOR CABLES AND MULTICONDUCTOR CABLES SHALL NOT BE LESS THAN THE MINIMUM RECOMMENDED BY ICEA AND THE MANUFACTURER...
42. INSTALL PHASE AND NEUTRAL CONDUCTORS OF EACH BRANCH OR FEEDER CIRCUIT IN A SINGLE RACEWAY EXCEPT WHERE PARALLELING CIRCUITS...
43. CABLE LUBRICANT SHALL BE APPLIED TO THE PULLING CABLE AS WELL AS THE INSULATED CABLE DURING INSTALLATION...
44. CONDUCTOR INSULATION SHALL MEET THE REQUIREMENTS OF NEMA WC 70 FOR TYPE THHN-THWN FOR CONDUCTORS UP TO AND INCLUDING #4/0...
45. ALL POWER WIRING AND BRANCH CIRCUIT WIRING SHALL BE INSTALLED IN CONDUIT...
46. MULTICONDUCTOR SHIELDED WIRING FOR SYSTEMS OPERATING BELOW 30 VOLTS...
47. TIGHTEN ELECTRICAL CONNECTORS AND TERMINALS ACCORDING TO MANUFACTURER'S PUBLISHED TORQUE-TIGHTENING VALUES...
48. MAKE SPLICES AND TAPS THAT ARE COMPATIBLE WITH CONDUCTOR MATERIAL AND THAT POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH...
49. RACEWAY SYSTEMS AND RACEWAY SYSTEM INSTALLATION SHALL COMPLY WITH ALL APPLICABLE ARTICLES AND SECTIONS OF THE NATIONAL ELECTRICAL CODE (NEC)...
50. EMT MAY BE USED FOR ALL INTERIOR RACEWAYS...
51. THE USE OF CONDUIT BODIES SHALL BE LIMITED TO THOSE INSTALLATIONS WHERE FACTORY MANUFACTURED ELBOWS CANNOT BE USED...
52. WHERE STANDARD FACTORY CONDUIT ELBOWS FOR CONDUITS LARGER THAN 2 INCH, CANNOT BE UTILIZED AND IT IS NECESSARY THAT ELBOWS, BENDS OR OFFSETS BE MADE BY THE CONTRACTOR...
53. MINIMUM ACCEPTABLE CONDUIT SIZES SHALL BE 3/4 INCH...
54. INSTALLER SHALL BE RESPONSIBLE FOR CUTTING OPENINGS IN WALLS AND CEILINGS AS REQUIRED FOR THE INSTALLATION OF RACEWAYS...
55. CONDUIT SHALL BE INSTALLED LEVEL AND PLUMB IN NEAT SYMMETRICAL LINES PARALLEL TO BUILDING COLUMN LINES OR WALLS...
56. ROUTE CONDUIT AT LEAST 6 INCHES AWAY FROM PARALLEL RUNS OF HIGH TEMPERATURE SURFACES...
57. DIFFERENT SOURCE CONDUCTORS SHALL NOT SHARE THE SAME CONDUIT TO FEED LOADS...
58. SOURCE AND LOAD CONDUCTORS SHALL NOT SHARE THE SAME CONDUIT AFTER THE LOCKOUT POINT FOR THE SYSTEM...
59. SUPPORT SINGLE CONDUITS WITH SINGLE HOLE MALLEABLE IRON GALVANIZED PIPE STRAPS OR CLEVIS TYPE HANGERS...
60. COMPLY WITH NECA 1 AND NECA 101 FOR INSTALLATION REQUIREMENTS EXCEPT WHERE REQUIREMENTS ON DRAWINGS OR IN THIS ARTICLE ARE STRICTER...
61. COMPLETE RACEWAY INSTALLATION BEFORE STARTING CONDUCTOR INSTALLATION...
62. INSTALL NO MORE THAN THE EQUIVALENT OF THREE 90-DEGREE BENDS IN ANY CONDUIT RUN EXCEPT FOR CONTROL WIRING CONDUITS...
63. ALL CONDUIT IN FINISHED AREAS SHALL BE RUN CONCEALED...
64. SUPPORT CONDUIT WITHIN 12 INCHES OF ENCLOSURES TO WHICH ATTACHED...
65. USE INSULATING BUSHINGS TO PROTECT CONDUCTORS INCLUDING CONDUCTORS SMALLER THAN #4 AWG FOR RACEWAY TERMINATIONS...
66. TERMINATE THREADED CONDUITS INTO THREADED HUBS OR WITH LOCKNUTS ON INSIDE AND OUTSIDE OF BOXES OR CABINETS...
67. INSTALL RACEWAYS SQUARE TO THE ENCLOSURE AND TERMINATE AT ENCLOSURES WITH LOCKNUTS...
68. CUT CONDUIT PERPENDICULAR TO THE LENGTH...
69. ELECTRICAL METALLIC TUBING (EMT) SHALL COMPLY WITH ALL APPLICABLE ARTICLES OR SECTIONS OF THE NATIONAL ELECTRICAL CODE...
70. EMT CONDUIT AND FITTINGS SHALL BE OF MILD STEEL TUBE...
71. EMT SYSTEMS SHALL BE SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND IN A MANNER TO PREVENT EMT FROM SEPARATING AT COMPRESSION OR SET SCREW TYPE COUPLINGS AND CONNECTORS...

LIGHTING FIXTURE SCHEDULE:

Table with columns: SYMBOL, DESCRIPTION, MANUFACTURER, MODEL, LAMP, LUMENS, WATTS, NOTES. Includes entries for various LED panels, wet beam fixtures, and exit signs.

POWER LEGEND:

- # DUPLEX RECEPTACLE. PROVIDE AND INSTALL (1) 120V, 20A, 2P, 3W, GROUNDING, SPECIFICATION GRADE RECEPTACLE...
G DUPLEX RECEPTACLE. PROVIDE AND INSTALL (1) 120V, 20A, 2P, 3W, GROUNDING, SPECIFICATION GRADE GFCI RECEPTACLE...
WP DUPLEX RECEPTACLE. PROVIDE AND INSTALL (1) 120V, 20A, 2P, 3W, GROUNDING, SPECIFICATION GRADE GFCI RECEPTACLE...
POWER CIRCUIT, 3/4" CONDUIT WITH (2) #12 AWG AND #12 GND...
EXISTING JUNCTION BOX.

LIGHTING LEGEND:

- \$ OUTLET BOX AND 20A, 120-277V, SINGLE POLE SPECIFICATION GRADE TOGGLE SWITCH WITH STAINLESS STEEL FACEPLATE...
\$3 OUTLET BOX AND 20A, 120-277V, THREE-WAY SPECIFICATION GRADE TOGGLE SWITCH WITH STAINLESS STEEL FACEPLATE...
\$D OUTLET BOX AND 20A, 120-277V, SPECIFICATION GRADE DIMMER SWITCH, SLIDE TYPE WITH (1) BUTTON, STAINLESS STEEL FACEPLATE...
\$K KEYED SWITCH EXISTING.

FIRE ALARM LEGEND:

- F MANUAL PULL STATION. INSTALL PULL STATION AT 44" TO CENTER ABOVE FINISHED FLOOR TO BOTTOM, UNLESS NOTED OTHERWISE...
FV AUDIO-VISUAL ALARM DEVICE, WHITE WITH RED LETTERS...
S SMOKE DETECTOR, CEILING MOUNT DEVICE, WHITE...
V VISUAL ONLY ALARM DEVICE, WHITE WITH RED LETTERS...
SD INSTALL DUCT SMOKE DETECTOR.

SECURITY SYSTEM LEGEND:

- CR CARD READER - INSTALL AT 44" ABOVE FINISHED FLOOR TO CENTER...
DC DOOR CONTACT - GRI 29AWG-GY-SR, MAGNETIC REED SWITCH SET, SURFACE MOUNT, CLOSED LOOP...
DDC DOUBLE DOOR CONTACT - SAME AS DOOR CONTACT ABOVE, QUANTITY TWO PER DOOR...
AP EXISTING IPHONE TO BE RELOCATED...
SECURITY CAMERA...
PS POWER SUPPLY FOR DOOR SET, PROVIDED BY OTHERS...
W JAMB PUSH PLATE, PROVIDED BY OTHERS.

DATA LEGEND:

- V DATA ONLY OUTLET LOCATION. PROVIDE AND INSTALL TWO BLUE CAT6 DATA CABLES IN DOUBLE GANG OUTLET BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING CAVITY...
W EXISTING WIRELESS ACCESS POINT.

Owen Valley MS Add 1



Table with columns: REV, DATE, BY, ITEM. Includes revision history for items A through E.

CANOPY AND SECURED ENTRY RENOVATIONS OWEN VALLEY MIDDLE SCHOOL 626 IN-46, SPENCER, INDIANA 47460

SPECIFICATIONS AND LEGENDS

Table with columns: DRAWN BY, DESIGNED BY, CHECKED BY, DATE. Values: NDH, NDH, NKZ, 06/22/23.

SCALE: NONE PROJECT NUMBER: 22286A

SHEET NO: E9

BID 11/01/23