

# ADDENDUM NO. 2

**August 3, 2026**

## **MERRILLVILLE HS CULINARY AND MEETING AREA RENOVATIONS AND MERRILLVILLE CSC CENTRAL OFFICE ADDITION AND RENOVATION PROJECT**

### **TO: ALL BIDDERS OF RECORD**

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated July 14, 2026 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of pages ADD 2-1 through ADD 2-2 and attached Addendum No. 2 from Gibraltar Design dated July 31, 2026, and consisting of 4 pages, revised Specification Section 07 53 23 - Roof Patching, and 18 Drawings.

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

#### **1. DIVISION 9 - FINISHES**

##### **a. Delete:**

Specification Section 09 23 00 - Plaster Veneer

#### **2. DIVISION 27 - COMMUNICATIONS**

##### **a. Delete:**

Specification Section 27 41 10 - Cafeteria and Multipurpose Room Media Systems

**B. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY**

**Under 3.03 Bid Categories**

1. BID CATEGORY NO. 1 - GENERAL TRADES

a. **Revise:**

Clarification No. 16:

Regarding Specification Section 06 10 00 Rough Carpentry; The **Bid Category No. 1 Contractor** shall provide all wood framing and wood trusses associated with the Administration Building, including all wood blocking, sheathing, and backing required within or attached to the wood framing and wood truss assemblies. The **Bid Category No. 3 Contractor** shall provide all metal stud framing, drywall, and related work as required by the Contract Documents, including all wood blocking, sheathing, and backing located in and/or attached to metal stud wall assemblies.

2. BID CATEGORY NO. 3 - METAL STUDS/DRYWALL/CEILINGS

a. **Delete:**

Section 09 23 00 - Plaster Veneer

b. **Revise:**

Clarification No. 2:

Regarding Specification Section 06 10 00 Rough Carpentry; The **Bid Category No. 1 Contractor** shall provide all wood framing and wood trusses associated with the Administration Building, including all wood blocking, sheathing, and backing required within or attached to the wood framing and wood truss assemblies. The **Bid Category No. 3 Contractor** shall provide all metal stud framing, drywall, and related work as required by the Contract Documents, including all wood blocking, sheathing, and backing located within and/or attached to metal stud wall assemblies.

3. BID CATEGORY NO. 8 - ELECTRICAL

a. **Delete:**

Section 27 41 10 - Cafeteria and Multipurpose Room Media Systems



## ADDENDUM TWO

**Addendum Two (AD.02)** to the drawings and specifications prepared by Gibraltar Design for **Merrillville HS Culinary and Meeting Area Renovations and Merrillville CSC Central Office Addition and Renovation** for Merrillville Community School Corporation, Merrillville, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received Addendum #1, and this Addendum and include the appropriate content of same within their bid proposal.

## SPECIFICATIONS

- 1. Specification Section 00 01 10                      Table of Contents**
  - A. Division 09, delete Specification Section 09 23 00, Plaster Veneer from the TOC.
  - B. Division 27, delete Specification Section 27 41 10, Cafeteria Room Media System from the TOC.
- 2. Specification Section 07 53 23                      Roof Patching**
  - A. Replace entire Specification Section 07 53 23, Roof Patching with new Section included in this addendum.
- 3. Specification Section 08 14 16                      Wood Doors**
  - A. Revise Paragraph 2.3.B.1. as follows: "1. 1 3/4-inch thick, STC rating of 45."
- 4. Specification Section 08 71 00                      Door Hardware**
  - A. Add the following to Hardware Group No. 3, 15, and 20.  
1 SET, GASKETING, 328AA-S JAMB SEAL SET, AA, ZER  
  
1 EA, GASKETING, 429AA HEAD SEAL MOUNT PRIOR TO ANY HEAD MOUNTED HARDWARE, AA, ZER  
  
1 EA, DOOR BOTTOM, 369AA-Z49-PULL-OUT, AA, ZER
- 5. Specification Section 09 23 00                      Plaster Veneer**
  - A. Delete this specification Section in its entirety.
- 6. Specification Section 10 51 13                      Metal Lockers**
  - A. Add new Paragraph 2.1.F. as follows: "F. Scranton Products, Scranton, Pennsylvania." as an acceptable manufacturer.
- 7. Specification Section 27 41 10                      Cafeteria Room Media System**
  - A. Delete this specification section in its entirety.



## DRAWINGS

### MERRILLVILLE HS CULINARY AND MEETING AREA RENOVATIONS

#### 8. Sheet A-121

- A. Add Plan note 6 to the true southern wall of Culinary Lab 3 T-149.

#### 9. Sheet A-221

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Added locations of mechanical units for Room T-126 and Elec T-127, both units being part of a single alternate bid.

#### 10. Sheet A-601

- A. The following doors shall have an STC rating of 45: T-102A, T-102G, T-102H, T-102J, T-102K, T-103A, T-105A, T-106A, and T-106B.

#### 11. Sheet MV121

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised exhaust ductwork for Electrical – T-127.
  - 2. Added hood note in Culinary Lab 3.

#### 12. Sheet M-201

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Added note for hood exhaust fan.

#### 13. Sheet E-001

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised symbol list.

#### 14. Sheet ED-121

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Removed existing floor boxes from the floor plans in the pirate's cove area.

#### 15. Sheet EP-121

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Added sheet note #7.
  - 2. Removed floor boxes from Pirate's Cove.
  - 3. Updated electrical connections for the equipment on the west side of pirate's cove.

#### 16. Sheet EP-201

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Added connections for the exhaust fan that was added



**17. Sheet E-502**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Updated panel schedule CL-2.

**18. Sheet E-503**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Updated food service connection schedule for pirate's cove equipment changes.

**19. Sheet E-603**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised fixture tag in elevation detail.

**20. Sheet T-001**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised symbol list.

**21. Sheet T-121**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Added note to show input station locations for the culinary classroom desks.
  - 2. Added specific callout for AV rack location.

## **DRAWINGS**

### **MERRILLVILLE CSC CENTRAL OFFICE ADDITION AND RENOVATION**

**1. Sheet S-201**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Foundation Wall Pipe Penetrations Removed, Relocated and added.
  - 2. Top of footing elevations adjusted.
  - 3. Stepped footing callouts added.
  - 4. Steel Column Reference on the foundation plan notes removed.

**2. Sheet AD101**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Added additional plan notes to floor plan.

**3. Sheet A-411**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised graphics and notes to section 3/A-411.

**4. Sheet A-801**

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
  - 1. Revised plan note by board room 2 A-106 step.



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**Merrillville HS Culinary and Meeting Area Renovations  
and Merrillville CSC Central Office Addition and Renovation**

25-181 / 26-110

**5. Sheet A-901**

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

1. Revised extent of new ceiling in General Office A-126.

**6. Sheet P100**

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

1. Removed General Note
2. Added Storm piping.
3. Added storm and sanitary notes.

Pages 1 through 4, inclusive, Specification Section 07 53 23, and Eighteen (18) Full-Size Drawings, constitute the total makeup of **Addendum Two**.



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# SECTION 07 53 23

## ROOF PATCHING – EPDM

### 1 General

#### 1.1 Summary

- A. Section Includes: Fully adhered EPDM roof with TREMCO Alphaguard patching at new roof penetrations through existing roof assembly or infill hole openings in existing roof.
- B. Products installed but not furnished under this Section include prefabricated roof curbs. Refer to Division 23.

#### 1.2 Quality Assurance

- A. Applicator: Experienced and trained installers as approved by roofing system manufacturer.
- B. Patch and repair existing roof openings that are infilled as part of the project scope.
- C. Patch and repair existing roofing where new penetrations are indicated on Drawings to make roof watertight.

#### 1.3 Environmental Requirements

- A. Do not apply roofing system during inclement weather.
- B. Do not apply roofing system to damp or frozen substrates.
- C. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed during same day.

#### 1.4 Warranty

- A. Existing Warranty: Verify if there is an existing warranty with Owner. If there is an existing warranty, remove, patch and repair materials and surfaces cut or damaged during cutting and patching operations, by methods and with materials so as not to void existing roofing warranty.

## 2 Products

### 2.1 Materials

- A. Provide fully adhered 0.060 inch thick EPDM roof with TREMCO Alphaguard patching materials matching existing conditions and manufacturer (TREMCO).
- B. Flashing: 0.060 inch thick EPDM sheet flashing as recommended by existing roofing manufacturer

- C. Polyisocyanurate Insulation Infill: ASTM C1289, both faces finished with fiberglass mat.
  - 1. Compressive Strength: Minimum 20 psi.
  - 2. R-Value: Based on LTTR 5.6 per inch of thickness.
  - 3. Match existing insulation thickness at location of patch.
- D. Polyisocyanurate Insulation for Roof Saddles: ASTM C1289, both faces finished with fiberglass mat. R-value of polyisocyanurate insulation shall be based on LTTR 5.6 per inch of thickness.
  - 1. Provide mechanical fasteners as approved by the membrane manufacturer.
    - a. Use factory-coated steel fasteners and metal or plastic plates for securing roof insulation in place.
- E. Overlay Board at Infill Scope: 1/2 inch thick DensDeck Prime overlay board as manufactured by Georgia Pacific Corporation, Atlanta, Georgia; or 1/2 inch thick Securock Roof Board as manufactured by United States Gypsum Company, Chicago, Illinois.
- F. Use sealant materials compatible with the roofing materials, as recommended by the roofing manufacturer.
- G. Treated Wood Blocking: Pressure treated.
  - 1. AWPA C2 and C9.
  - 2. Preservative Materials: Acceptable to authorities having jurisdiction and containing no arsenic or chromium.
  - 3. Fasteners: Stainless steel.

### **3 Execution**

#### **3.1 Installation**

- A. Install patching products as recommended by existing roofing manufacturer to maintain existing warranty. If no existing warranty is indicated, install patching products as recommended by roofing manufacturer for a water-tight roofing assembly.
  - 1. All patches, repairs, and flashing tie-ins made to roofing system shall be accomplished by mechanics trained and approved by roofing manufacturer.
  - 2. Install prefabricated roof curbs and equipment rails. Refer to Division 23.
  - 3. Securely install roof saddle insulation in place with approved mechanical fasteners at spacing recommended by membrane manufacturer to maintain existing warranty.

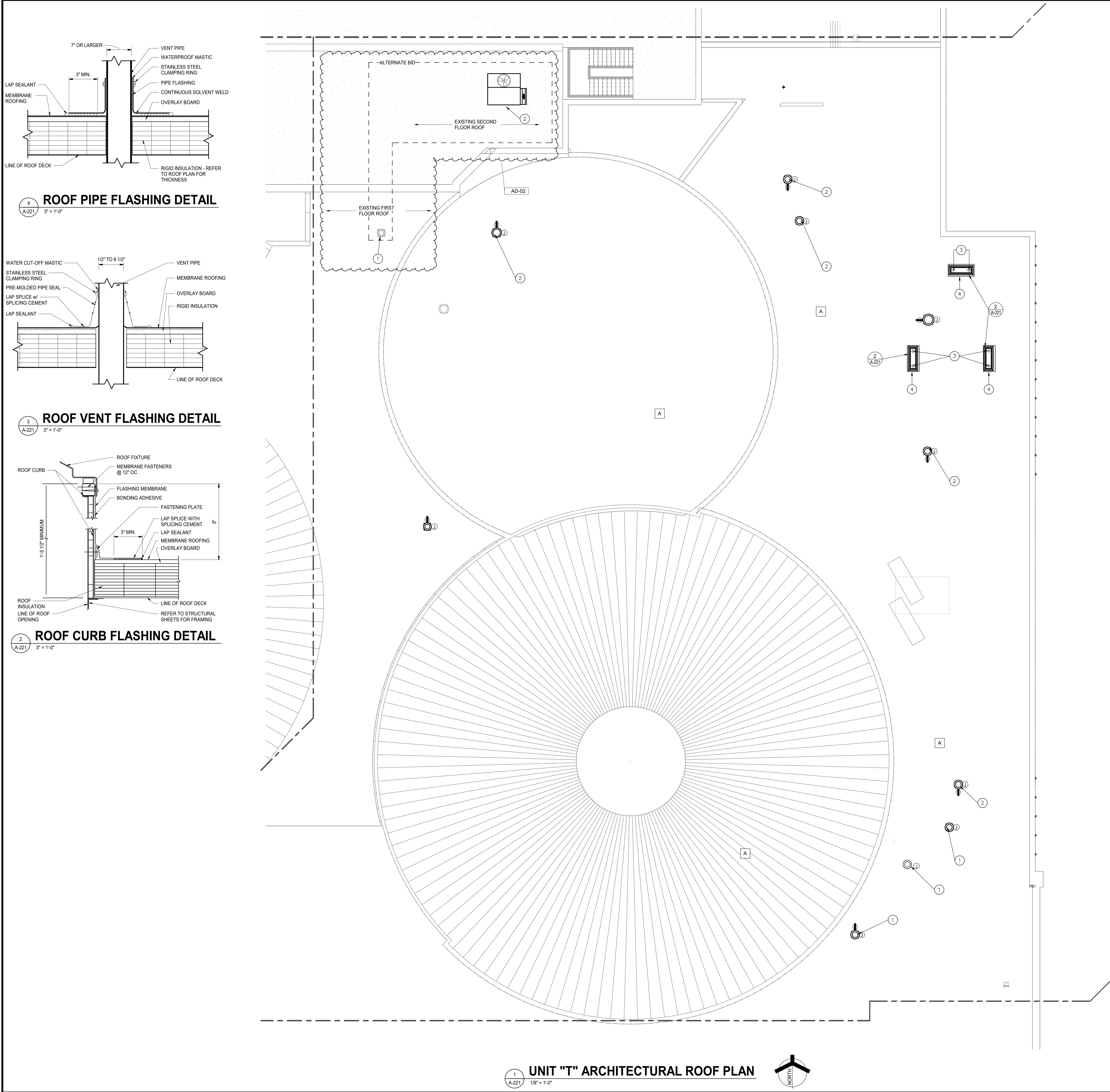


- B. Install wood blocking in accordance with manufacturer's currently published details consistent with job conditions.
- C. Install sealant in accordance with the manufacturer's instructions.

**END OF SECTION**







#### GENERAL ROOFING NOTES:

- A. FOR GENERAL NOTES, MATERIAL IDENTIFICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. REFER TO SHEET G-301.
- B. THE ROOFING INSTALLER SHALL VERIFY ALL DIMENSIONS, CLEARANCES, AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- C. THE ROOFING INSTALLER SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL DAMAGE CAUSED BY THE IMPROPER STORAGE OR STACKING OF ROOFING MATERIALS.
- D. ALL DIMENSIONS INDICATED ON ROOF PLAN ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR THEIR EXECUTION OF THEIR WORK AND PRIOR TO ANY FABRICATION OF THE VARIOUS MATERIALS.
- E. THE ROOFING CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING CONSTRUCTION. THE ROOFING INSTALLER SHALL INSPECT AND CLEAR ALL DRAINS, SCUPPERS, AND DOWNSPOUTS PRIOR TO COMPLETION OF NEW WORK TO ENSURE THAT THEY ARE FREE OF DEBRIS AND FUNCTIONING PROPERLY.
- F. FOR LOCATION, TYPE, AND SIZE OF ALL ROOF TOP MECHANICAL EQUIPMENT REFER TO MECHANICAL DRAWINGS.
- G. FOR LOCATIONS OF ALL PLUMBING VENTS REFER TO PLUMBING DRAWINGS.
- H. EXTEND ALL PLUMBING VENTS SO THAT THE TOP IS A MINIMUM OF 12" ABOVE THE ROOFING SYSTEM.
- I. PROVIDE FLASHING AT ALL VENTS, MECHANICAL CURBS, MASONRY WALLS, FLUES, DRAINS, FASCIA'S, ETC. IN ACCORDANCE WITH THESE DRAWINGS AND SPECIFICATIONS, AND WITH ROOFING MANUFACTURERS STANDARD DETAILS AND SPECIFICATIONS.
- J. CONTRACTOR TO PROVIDE CRICKETS AND/OR ROOF TOP SADDLES TO PROMOTE POSITIVE DRAINAGE AROUND ALL ROOF TOP PENETRATIONS.
- K. SADDLES AND TAPERED INSULATION SYMBOLS INDICATE DESIGN INTENT TO SLOPE TO DRAIN. CONTRACTOR SHALL PROVIDE SUBMITTAL DRAWINGS FOR TAPERED INSULATION AND SADDLES TO ENSURE POSITIVE SLOPE.
- L. ALL NEW WOOD BLOCKING & NAILERS SHALL BE TREATED WOOD.
- M. REFER TO ARCHITECTURAL FLOOR PLAN FOR LOCATION OF SECTION CUTS FOR ADDITIONAL INFORMATION.
- N. REMOVE ALL ROOF GRAVEL, RESIDUE, AND ALL PROJECTIONS WHICH WOULD PREVENT THE NEW ROOF INSULATION FROM LAYING FLAT OVER THE ROOF SURFACES.
- O. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF ROOF TOP EQUIPMENT TO BE REMOVED.
- P. DEMOLITION AND REMOVAL OPERATIONS ARE TO BE PERFORMED CARE- FULLY AND ALL PORTIONS OF THE BUILDING SHALL BE PROTECTED DURING THESE OPERATIONS. ITEMS TO BE REUSED AND REINSTALLED ARE TO BE CAREFULLY REMOVED AND STORED. DAMAGES INCURRED DURING REMOVAL OR STORAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

#### ROOF LEGEND AND TYPICAL DETAILS:

- ← INDICATES ROOF SLOPE (1/4" PER 12" (U.N.O.))
- INDICATES ROOF SADDLE SLOPE (1/2" PER 12")
- ⊙ EXHAUST FAN
- PLUMBING VENT
- ▭ LOUVER VENT ASSEMBLY
- ⊕ EXHAUST GOOSENECK

#### ROOF TYPES:

- A. EXISTING ROOF SYSTEM IS COMPRISED OF A TREMCO ALPHAGUARD WITH PERMAFAB SYSTEM OVER 60ML EPDM ON RECOVERY BOARD AND RIGID INSULATION. ALL ROOF WORK SHALL BE PERFORMED SUCH THAT THE EXISTING WARRANTY REMAINS IN FORCE. PROTECT FROM ADJACENT ROOF WORK.

#### ROOF PLAN NOTES:

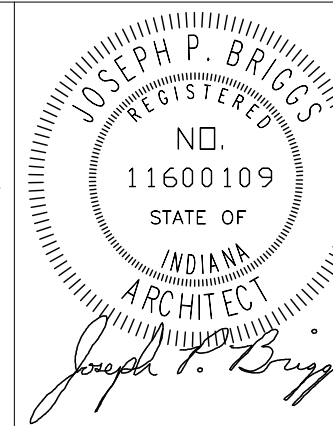
(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

- 1 NEW MECHANICAL EXHAUST FAN. REFER TO DETAIL 2/A221 AND MECHANICAL SHEETS
- 2 REPLACE EXISTING FAN UNIT. REUSE EXISTING CURB.
- 3 NEW GOOSENECK EXHAUST.
- 4 NEW ROOF CURB TO FACILITATE GOOSENECK EXHAUST PORTALS.

#### GIBRALTAR DESIGN

4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46266  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone 317.580.5777 Fax 317.580.5778

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| AD-02 | 07/31/26 | ADDENDUM 02 |

DRAWING  
UNIT "T" ARCHITECTURAL ROOF  
PLAN

PROJECT  
MERRILLVILLE HIGH SCHOOL  
CULINARY AND MEETING AREA  
RENOVATIONS

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A-221



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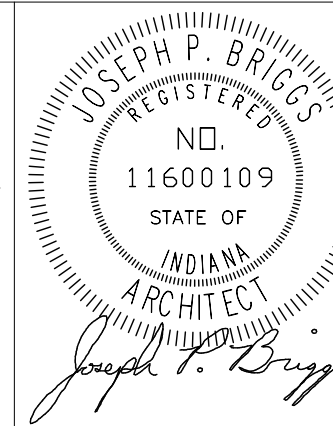
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Email: info@GibraltarDesign.com  
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RENOVATIONS

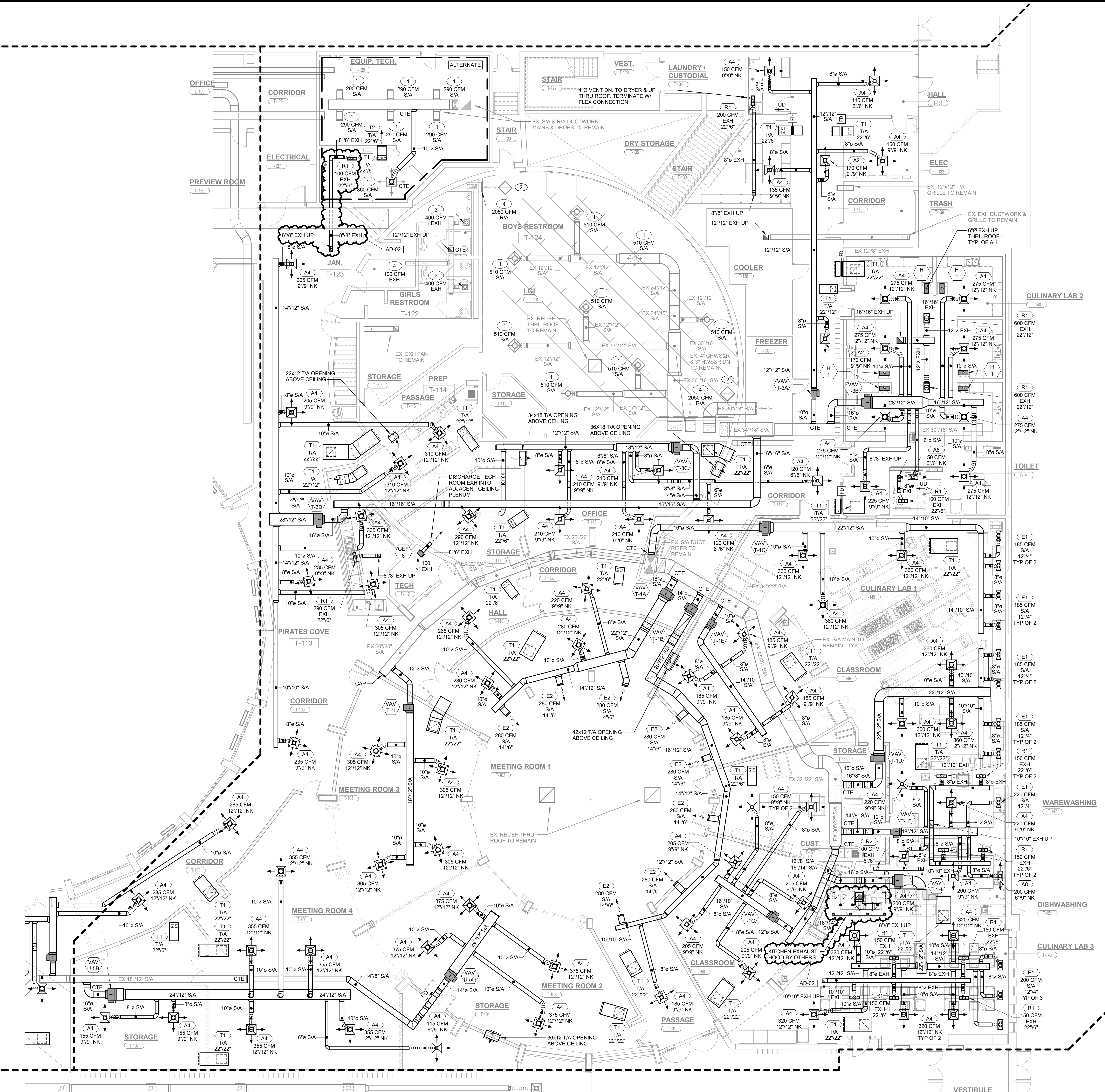
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UNIT "T" MECHANICAL DUCTWORK FIRST FLOOR PLAN  
1/8" = 1'-0"

- ### SHEET NOTES
- CLEAN AND REINSTALL EXISTING SUPPLY AIR DIFFUSER COMPLETE AS REQUIRED. RECONNECT EXISTING DUCTWORK AND PROVIDE ADDITIONAL DUCTWORK FOR CONNECTION AS REQUIRED. BALANCE SUPPLY AIR DIFFUSER TO AIRFLOW CAPACITY SHOWN ON PLANS.
  - CLEAN AND REINSTALL EXISTING TRANSFER AIR GRILLE COMPLETE AS REQUIRED. RECONNECT EXISTING DUCTWORK AND PROVIDE ADDITIONAL DUCTWORK FOR CONNECTION AS REQUIRED. BALANCE EXHAUST AIR GRILLE TO AIRFLOW CAPACITY SHOWN ON PLANS.
  - CLEAN AND REINSTALL EXISTING RETURN AIR GRILLE COMPLETE AS REQUIRED. RECONNECT EXISTING DUCTWORK AND PROVIDE ADDITIONAL DUCTWORK FOR CONNECTION AS REQUIRED. BALANCE RETURN AIR GRILLE TO AIRFLOW CAPACITY SHOWN ON PLANS.

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PROJECT:  
**MERRILLVILLE HIGH SCHOOL CULINARY AND MEETING AREA RENOVATIONS**

MERRILLVILLE COMMUNITY SCHOOL CORPORATION  
276 E 68TH PLACE  
MERRILLVILLE, IN, 46410

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4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46256  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
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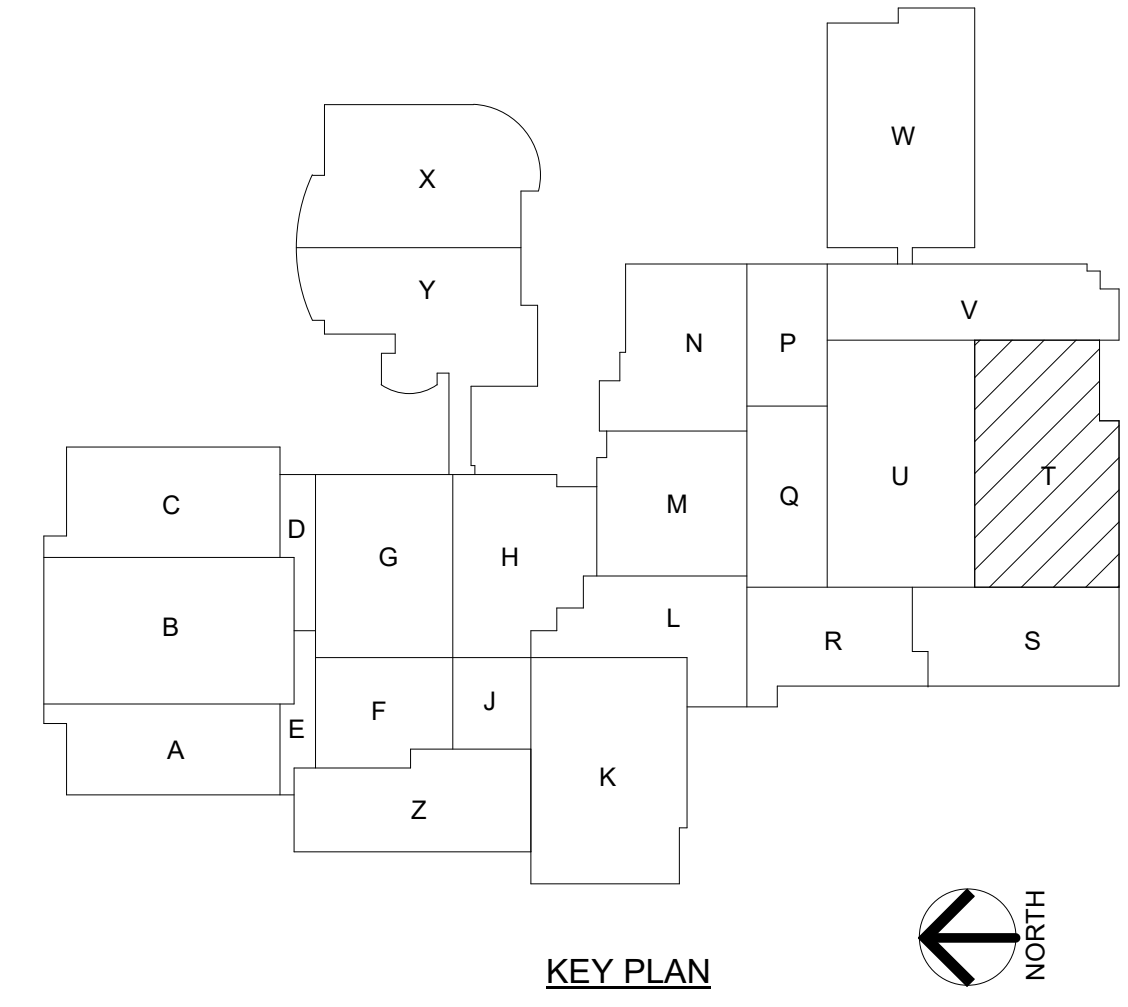
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| AD-02     | 07/31/26 | ADDENDUM 02 |

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UNIT "T" MECHANICAL DUCTWORK FIRST FLOOR PLAN

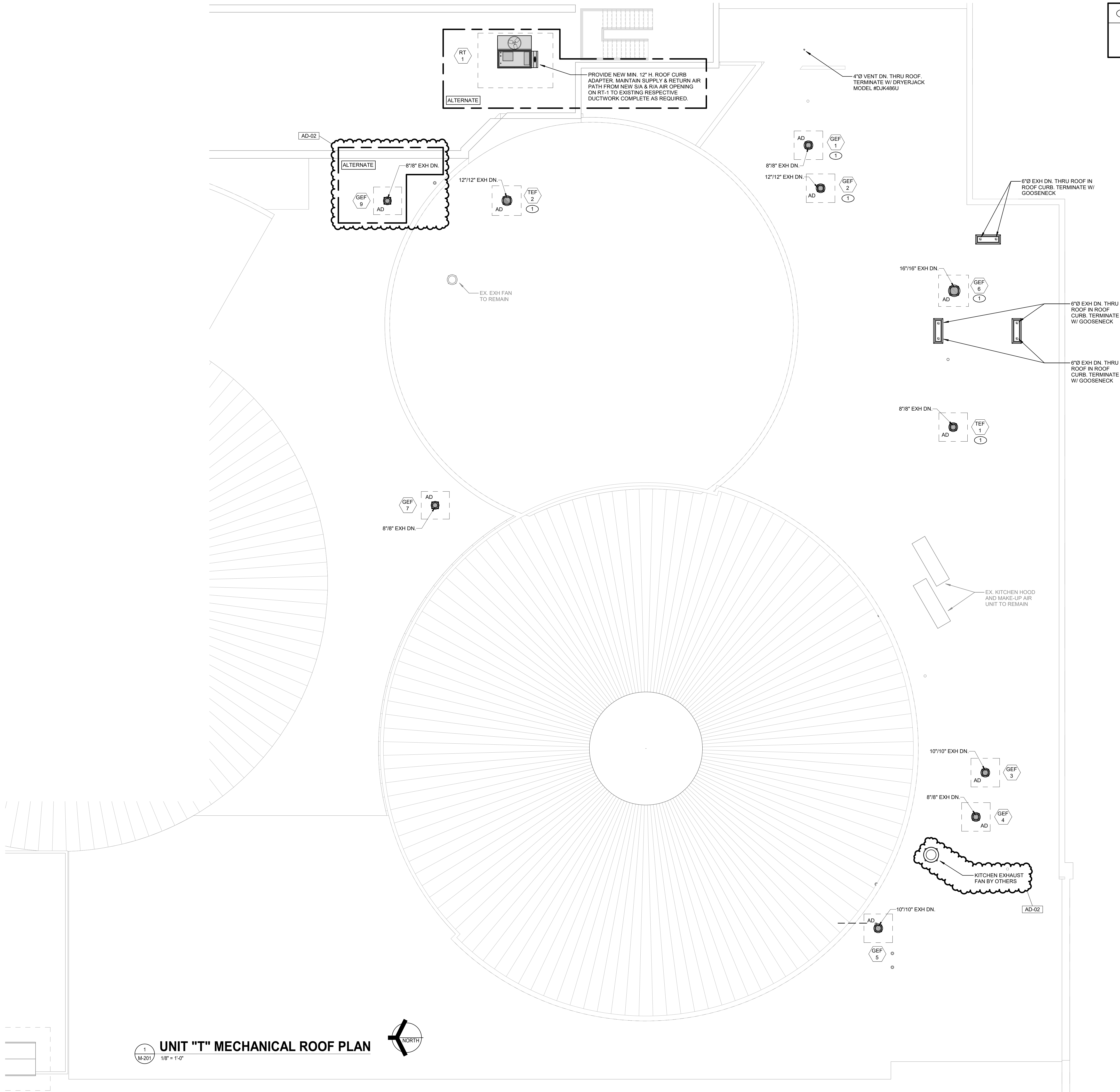
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| SHEET NOTES |                                                                                                                      |  |
|-------------|----------------------------------------------------------------------------------------------------------------------|--|
| 1.          | EXISTING ROOF CURB TO REMAIN. PROVIDE NEW ROOF CURB ADAPTER AND MODIFY AS REQUIRED FOR NEW EXHAUST FAN INSTALLATION. |  |



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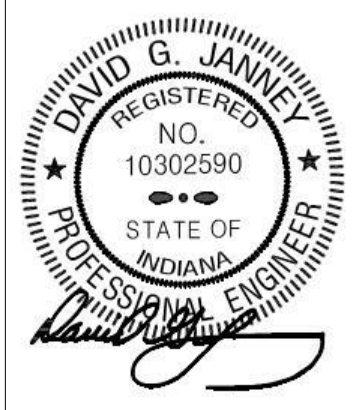
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**MERRILLVILLE HIGH SCHOOL CULINARY AND MEETING AREA RENOVATIONS**

MERRILLVILLE COMMUNITY SCHOOL CORPORATION  
276 E 68TH PLACE  
MERRILLVILLE, IN, 46410

BID SET

**GIBRALTAR DESIGN**  
4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46256  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone 317.580.5777 Fax 317.580.5778

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| AD-02 | 07/31/26 | ADDENDUM 02 |

DRAWING  
**UNIT "T" MECHANICAL ROOF PLAN**

PROJECT  
**MERRILLVILLE HIGH SCHOOL CULINARY AND MEETING AREA RENOVATIONS**

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SHEET  
**M-201**



GENERAL NOTES

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. | WORK SHALL COMPLY WITH LOCAL, STATE AND NATIONAL ELECTRIC CODES, AND AMERICANS WITH DISABILITIES ACT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AA.  | THE MINIMUM DISTANCE BETWEEN SMOKE OR HEAT DETECTORS AND CEILING MOUNTED SUPPLY DIFFUSERS SHALL BE A MINIMUM OF 4 FEET AND WALL MOUNTED DIFUSERS SHALL BE 10 FEET.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| B. | THE PANEL SCHEDULES ARE PROVIDED FOR ASSISTANCE ONLY IN UNDERSTANDING THE LOADING ON THE VARIOUS CIRCUITS AND THE CIRCUIT DESIGNATIONS DESIRED FOR THE PANEL DIRECTORIES. THE PANEL SCHEDULES MUST BE BALANCED UPON COMPLETION OF THE PROJECT TO COMPLY WITH CODE. IN ADDITION, THE PANEL SCHEDULES DO NOT IDENTIFY THE TYPES OF CIRCUIT BREAKERS TO BE USED (SUCH AS GFCI, HACR, SHUNT TRIP UNITS, ETC.) NOR DO THE SCHEDULES IDENTIFY CIRCUIT BREAKERS REQUIRED, (SUCH AS CB'S FEEDING SURGE PROTECTION UNITS). REFER TO THE REST OF THE DRAWINGS AND THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND DETAILED INFORMATION.                                                                                                                                                       | BB.  | WHERE INDICATED ON THE DRAWINGS IN UNFINISHED SPACES, RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| C. | COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) TO AVOID CONFLICTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CC.  | NO RACEWAYS SHALL BE INSTALLED WITHIN 6" OF STEAM, HOT WATER PIPES OR SIMILAR HEAT PRODUCING APPLIANCES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| D. | REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR ADDITIONAL ELECTRICAL INFORMATION AND REQUIREMENTS. IN ALL CASES DEVICE MOUNTING HEIGHTS AND LOCATIONS SHALL CONFORM TO THE LATEST AMERICANS WITH DISABILITIES FEDERAL STANDARDS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DD.  | PROVIDE PULL WIRE IN EACH RACEWAY IN WHICH WIRING IS NOT INSTALLED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| E. | EXCAVATION NECESSARY FOR COMPLETION OF WORK SHALL BE PROVIDED. COORDINATE WITH ONE ANOTHER TO SHARE TRENCHES WHEREVER POSSIBLE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EE.  | COVERS OF JUNCTION OR PULL BOXES SHALL BE ACCESSIBLE AND IDENTIFIED PER SPECIFICATIONS. FIRE ALARM JUNCTION BOXES SHALL BE PAINTED RED. JUNCTION OR PULL BOXES AND THE LIKE SHALL BE INDEPENDENTLY SUPPORTED TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| F. | REFER TO THE PLANS FOR ADDITIONAL ELECTRICAL WORK AND REQUIREMENTS. FURNISH, INSTALL AND LOCATE DISCONNECT SWITCHES AT EQUIPMENT/MOTOR LOCATION, AS REQUIRED, AND IN ACCORDANCE WITH CODE. IF THE WORK OF OTHER TRADES CAUSES A LOSS OF CONTINUITY OF THE EXISTING ELECTRICAL DISTRIBUTION, GROUNDING SYSTEM OR CIRCUITRY, IT SHALL BE RECONNECTED OR REPAIRED AT NO ADDITIONAL COST.                                                                                                                                                                                                                                                                                                                                                                                                  | FF.  | WIRE COLOR CODING SHALL BE COORDINATED THROUGHOUT THE ENTIRE PROJECT/BUILDING FOR NEW AND EXISTING SYSTEMS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| G. | FIELD VERIFY IF EXISTING ASBESTOS WILL BE ENCOUNTERED PRIOR TO STARTING ANY WORK. IF ASBESTOS IS PRESENT, THE OWNER WILL PROVIDE FOR THE REMOVAL OF ANY MATERIAL CONTAINING ASBESTOS. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | GG.  | IF MORE THAN THREE (3) PHASE (UNGROUNDING) CONDUCTORS ARE RUN IN THE SAME RACEWAY, CONDUCTOR AMPACITY SHALL BE DERATED IN ACCORDANCE WITH NEC ARTICLE 310.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| H. | COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY POWER AND SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | HH.  | CONDUIT, LIGHTING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. CONDUITS, ROUTED THROUGH AREAS WITH NO CEILING, SHALL BE ROUTED WITHIN THE WEBBING OF THE JOISTS AND SHALL NOT BE ROUTED BELOW THE BOTTOM CHORD OF THE JOIST.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| I. | SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT ALL TIMES, INCLUDING FIA AND OTHER SPECIAL SYSTEMS, ELECTRICAL POWER DISTRIBUTION, ETC. REQUIRED SHUTDOWN OF EXISTING FACILITY UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | II.  | SMOKE OR HEAT DETECTORS SHALL BE SURFACE MOUNTED TO CEILING, ROOF DECK MATERIALS, ETC. IN LIEU OF MOUNTING TO BOTTOM CHORD OF ENGINEERED JOIST OR ANY OTHER COMPONENTS NOT AN INTEGRAL PART OF THE HORIZONTAL CEILING.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| J. | LAYOUT IS DIAGRAMMATIC AND INSTALL DEVICES, CONDUIT AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING WORK AND SUBMIT COMPLETE SHOP DRAWINGS AS PER SPECIFICATIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | JJ.  | VERIFY EXISTING AND NEW MECHANICAL, ELECTRICAL, FIRE PROTECTION SYSTEMS AND MEDICAL GAS SERVICES PRIOR TO START OF NEW CONSTRUCTION. COORDINATE AND ADJUST NEW WORK AS REQUIRED TO AVOID CONFLICTS WITH EXISTING SERVICES AND NEW SERVICES PROVIDED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| K. | VISIT SITE PRIOR TO BID TO DETERMINE AND VERIFY EXISTING INTERIOR AND EXTERIOR ELECTRICAL SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO DETERMINE FULL EXTENT OF WORK. INCLUDE THE NECESSARY MODIFICATIONS TO THE EXISTING CONDITIONS (INCLUDING CEILINGS, WALLS, FLOORS, PIPES, CONDUIT, ROOF WORK, ETC.) AS REQUIRED, TO ALLOW FOR PROPER INSTALLATION OF WORK. ADJUST INSTALLATIONS TO MEET FIELD CONDITIONS AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, CONDUIT, PIPING, ETC. SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK. | KK.  | PROVIDE NECESSARY ROOFING COMPONENTS COMPATIBLE WITH EXISTING ROOFING SYSTEMS TO PROVIDE A WEATHERTIGHT INSTALLATION FOR THE ROOF PENETRATIONS AND ABANDONED HOLES FROM REMOVED ITEMS. PATCH ROOF OPENINGS FOR REMOVED PIPE PENETRATIONS, WITH RIGID ROOF INSULATION AND ROOF DECK MATERIAL FROM BELOW ROOF TO MATCH EXISTING ADJACENT MATERIALS. PROPERLY STRIP ROOFING MEMBRANE, ETC. AS REQUIRED, TO MATCH EXISTING ROOF SYSTEM WITH PROPER AND COMPATIBLE MATERIALS. PROVIDE A COMPLETE AND PROPER WEATHERTIGHT CONDITION.                                                                                                                                                                                                                |
| L. | HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO ATTENTION IN WRITTEN FORM FOR REVIEW AND DIRECTION TO FAILURE TO DO SO SHALL REQUIRE THE CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION TO BE COMPLETED AT NO COST. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE BROUGHT TO ATTENTION FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.                                                                                                                                                                                                                                                                                                                   | LL.  | ROOF SUPPORTS FOR CONDUITS TO BE EQUIVALENT TO PORTABLE PIPE HANGER, INC. TYPE PP-10, WITH ROLLER GUIDE SUPPORT FOR SINGLE PIPES AND CHANNEL GUIDE SUPPORT FOR MULTIPLE PIPES. SUPPORTS TO HAVE HIGH DENSITY POLYPROPYLENE PLASTIC BASE WITH THREADED RODS FOR ADJUSTABLE HEIGHT ROLLER. SUPPORTS ARE TO SIT ON TOP OF ROOFING MEMBRANE. SUPPORTS ARE TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION AND TO BE COMPATIBLE WITH AND MAINTAIN THE INTEGRITY OF THE EXISTING OR NEW ROOF SYSTEM. WHERE CONDUITS AND WIRINGS ARE RUN IN EXTERIOR LOCATIONS OR EXPOSED TO SUNLIGHT, CONDUCTORS SHALL BE PROPERLY USPED PER NEC 310.                                                                                                          |
| M. | REMOVE AND REINSTALL EXISTING CEILINGS NOT BEING REPLACED (INCLUDING LIGHTS, MOTION SENSORS, FIRE ALARM DEVICES AND ANY OTHER ELECTRICAL DEVICES AS REQUIRED,) WHERE NECESSARY TO PERFORM WORK. THIS ALSO INCLUDES EXISTING CEILINGS OF PLASTER, DRYWALL, ETC. COORDINATE WORK IN CEILING SPACE SO AS TO MINIMIZE THE AMOUNT OF CEILINGS WHICH MUST BE REMOVED AND REINSTALLED. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS IN ORDER TO FULLY UNDERSTAND AND IDENTIFY CEILING WORK NECESSARY FOR WORK ON THE PROJECT. WHEN THE WORK IS COMPLETED IN THE SPACE, REINSTALL OR PATCH EXISTING CEILINGS, REINSTALL DEVICES AND EQUIPMENT AND REPAIR DAMAGE AS REQUIRED TO COMPLETELY MATCH EXISTING CONDITIONS. REPAIR OR REPLACE ANY DAMAGE CAUSED TO EXISTING CEILING AREAS.             | MM.  | WIRING DEVICES SHOWN BACK-TO-BACK IN WALLS SHALL BE SEPARATED BY 1" MINIMUM.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| N. | REMOVE EXISTING CONSTRUCTION AS REQUIRED AT EXISTING WALLS, FLOORS, PIPE CHASES, SURFACES, FINISHES, ETC. WHICH ARE AFFECTED. REPAIR EXISTING SURFACES AFFECTED, TO MATCH EXISTING SURFACE OF EQUAL OR BETTER QUALITY TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NN.  | UNLESS OTHERWISE NOTED, DEVICE ELEVATIONS REFER TO CENTER LINE OF JUNCTION BOX. VERIFY JUNCTION BOX LOCATIONS WITH FINAL EQUIPMENT LAYOUT PRIOR TO ROUGHING IN SAME.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| O. | COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. RELOCATE EXISTING LIGHTING, CONDUIT, EQUIPMENT, ETC., AS NECESSARY FOR NEW INSTALLATIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OO.  | FURNISH AND INSTALL A GREEN GROUND WIRE IN POWER CONDUITS (NOT LIGHTING). ALL DEVICES, EQUIPMENT, FIXTURES AND THE LIKE, MUST BE GROUNDED. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL BE MAINTAINED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| P. | PROVIDE NEW PANEL DIRECTORIES IN EXISTING MODIFIED PANELBOARDS AND NEW PANELBOARDS TO CORRECTLY IDENTIFY EXISTING AND NEW LOADS. FINAL DIRECTORIES SHALL BE TYPE WRITTEN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PP.  | PROVIDE CONDUIT AND WIRE AND MAKE FINAL POWER CONNECTIONS AS REQUIRED TO EXHAUST FANS AND MISCELLANEOUS EQUIPMENT FURNISHED WITH MOTORIZED BACKDRAFT DAMPERS. DAMPERS SHALL BE CONNECTED TO EQUIPMENT 120 VOLT POWER CIRCUIT SO AS TO INTERLOCK THE MOTORIZED DAMPER WITH THE EXHAUST FAN. FOR THREE PHASE MOTORS, PROVIDE AN ADDITIONAL 120 VOLT CIRCUIT ROUTED THROUGH AN AUXILIARY CONTACT IN THE MOTOR STARTER.                                                                                                                                                                                                                                                                                                                           |
| Q. | EXISTING LIGHTING FIXTURES, ELECTRICAL DEVICES, CONDUIT, ETC., SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK. EXISTING ELECTRICAL EQUIPMENT SHALL REMAIN PROPERTY OF THE OWNER AND SHALL BE PROPERLY STORED ON SITE, OR DESIGNATED TO BE ABANDONED AND REMOVED FROM SITE AS DIRECTED BY OWNER.                                                                                                                                                                                                                                                                                                                                                                                                                                                       | QQ.  | AT NEW FIRE OR SMOKE/FIRE DAMPER LOCATIONS, WIRE EACH SMOKE/FIRE DAMPER TO EMERGENCY PANEL, TO LOCAL ACTIVATION SMOKE DETECTOR ON EITHER SIDE OF THE DAMPER (WITHIN 3'-0") AND ALSO WIRE THE SAME TO THE FIRE ALARM CONTROL PANEL AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR LOCATIONS WHERE DUCTS PASS THROUGH SMOKE OR FIRE BARRIERS.                                                                                                                                                                                                                                                                                                                                              |
| R. | PERFORM CUTTING AND PATCHING OF EXISTING FLOOR SLABS AND WALLS AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL SYSTEMS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | RR.  | MODIFY EXISTING FIRE ALARM SYSTEM AS INDICATED ON DRAWINGS AND SPECIFICATIONS AND AS REQUIRED FOR A COMPLETE, CODE COMPLIANT INSTALLATION. PROVIDE ADDITIONAL PARTS, ACCESSORIES AND CARDS AS REQUIRED TO COMPLETE THE WORK. FURNISH AND INSTALL INTERFACE WIRING INTEGRAL TO THE FIRE ALARM SYSTEM AS WELL AS INTERFACE TO NEW ELEVATOR CONTROL PANEL, BUILDING AUTOMATION SYSTEM, ETC. FOR A COMPLETE AND OPERATING INSTALLATION. FIRE ALARM DEVICES SHALL BE CONNECTED TO THE FIRE ALARM POWER SUPPLY AND BATTERIES OF THE SYSTEM AND SHALL NOT BE CONNECTED TO NORMAL POWER. QUESTIONS REGARDING THE REQUIREMENTS OF THE FIRE ALARM SYSTEM OR THE INTENT OF THE CODE SHALL BE DIRECTED TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO BID. |
| S. | EXISTING ELECTRICAL DEVICES (RECEPTACLES, SWITCHES, OUTLET BOXES, CONDUIT, ETC.) WITHIN WALLS TO BE REMOVED SHALL BE DISCONNECTED COMPLETELY. REROUTE AND EXTEND EXISTING CIRCUITRY, ELECTRICAL FEEDERS AND GROUNDING SYSTEMS AS REQUIRED TO MAINTAIN CIRCUIT, FEEDER AND GROUNDING SYSTEM INTEGRITY FOR ALL REMAINING DEVICES/EQUIPMENT. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.                                                                                                                                                                                                                                                                                                                                                                                           | SS.  | FURNISH AND INSTALL SIX (6) 20 AMP. CIRCUITS WITH RECEPTACLES, CONDUIT, WIRE, PLATES, BOXES AND BREAKERS AND RELOCATE WITH THREE (3) #10, ONE (1) #12 GROUND IN 1" CONDUIT LOCATED WITHIN 120 FEET (AVERAGE) OF NEAREST 208/120 PANELBOARD. INCLUDE ALL NECESSARY CUTTING AND PATCHING. LOCATIONS OF OUTLETS SHALL BE WHEN, WHERE AND AS DIRECTED.                                                                                                                                                                                                                                                                                                                                                                                            |
| T. | WHERE NEW CIRCUIT BREAKERS, FUSES AND SWITCHES ARE TO BE ADDED TO EXISTING PANELBOARDS, SWITCHBOARDS, ETC. THEY SHALL BE OF THE SAME MANUFACTURER AND DESIGN AS THE EXISTING BREAKERS OR SWITCHES IF NOT OBSOLETE AND SHALL BE OF THE SIZES AS INDICATED. REARRANGE CIRCUIT BREAKERS WITHIN THE EXISTING EQUIPMENT TO ACCOMMODATE THE NEW CIRCUIT BREAKERS OR SWITCHES. BRANCH CIRCUIT NUMBERS ASSIGNED TO EXISTING PANELBOARDS ARE ARBITRARY AND ARE INTENDED TO INDICATE BRANCH CIRCUIT REQUIREMENTS ONLY. ACTUAL PANEL NUMBER ASSIGNMENTS FOR DESIGNATED BRANCH CIRCUITS SHALL BE ADJUSTED TO MEET FIELD CONDITIONS. PROVIDE ADDITIONAL BUS, BUS EXTENSION, BOLTS AND HARDWARE, ENCLOSURE MODIFICATIONS, DIRECTORY MODIFICATIONS, ETC., AS REQUIRED TO ACCOMPLISH THE WORK.         | TT.  | WIRE COMPLETE, AS DIRECTED, TWO (2) ADDITIONAL MOTORS AND SINGLE POLE FUSIBLE DISCONNECTS WITH THREE (3) #12 IN 3/4" CONDUIT 120 FEET (AVERAGE) EACH CIRCUIT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| U. | WIRE FIXTURES IN TANDEM AS REQUIRED TO ACCOMPLISH THE SWITCHING ARRANGEMENT AS INDICATED ON DRAWINGS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | UU.  | PROVIDE AND WIRE COMPLETE, WHERE DIRECTED TWO (2) ADDITIONAL EXIT SIGNS (XB-1 OR XB-2) TO NEAREST LIGHTING CIRCUIT IN SAME AREA. CONNECT WITH THREE (3) #12 WIRE IN 3/4" CONDUIT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| V. | VERIFY CEILING STYLES/FRAMES AND TYPES BEFORE ORDERING FIXTURES AND CEILING MOUNTED DEVICES. PROVIDE APPROPRIATE STYLES/FRAMES AS REQUIRED TO MATCH CEILING STYLE AND TYPES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | VV.  | CONDUIT INSTALLED FOR LOW VOLTAGE SYSTEMS SHALL BE COORDINATED WITH THE LOW VOLTAGE INSTALLER IN FIELD. PRIOR TO ROUGH-IN, SUCH CONDUIT SHALL BE ROUTED TO MINIMIZE CABLE LENGTH AND COMPLY WITH LOW VOLTAGE CABLING DISTANCE LIMITATIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| W. | COORDINATE LIGHTING LAYOUTS WITH CEILING REGISTERS, GRILLES, DIFFUSERS, SPRINKLER HEADS AND CEILING GRID (SEE ARCHITECTURAL REFLECTED CEILING PLAN). VERIFY LOCATION WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | VVW. | THE FLASH RATES FOR FIRE ALARM STROBES SHALL BE SYNCHRONIZED, COORDINATE ADDITIONAL REQUIREMENTS WITH NFPA 72.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| X. | PROVIDE PLENUM RATED LIGHT FIXTURES IN PLENUM CEILING AREAS WHERE REQUIRED BY LOCAL OR NATIONAL CODES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | XX.  | REWORK EXISTING ELECTRICAL FEEDERS, CONDUIT AND LOW VOLTAGE WIRING AS REQUIRED FOR INSTALLATION OF NEW STRUCTURAL COMPONENTS REQUIRED TO SUPPORT NEW ROOF MOUNTED EQUIPMENT. FURNISH AND INSTALL ALL CONDUIT, WIRING AND SPICE BOXES TO MAINTAIN CONTINUITY.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Y. | SOME CEILING SPACES ARE RETURN AIR PLENUMS. EXAMINE PLENUM BEFORE CEILING IS INSTALLED (OR REPLACED) AND SEAL ALL OPENINGS AROUND CONDUIT, CABLE, ETC. PROVIDE PLENUM RATED CABLE (UNLESS IN CONDUIT), DEVICES AND EQUIPMENT PER CODE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YY.  | SINGLE POLE CIRCUITS SHALL HAVE SEPARATE INDEPENDENT NEUTRAL CONDUCTORS (NON-NETWORKED), WHICH (PER CODE) ARE CONSIDERED CURRENT CARRYING CONDUCTORS. THEREFORE, IF MORE THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE RUN IN THE SAME RACEWAY, CONDUCTOR AMPACITY SHALL BE DERATED IN ACCORDANCE WITH NEC ARTICLE 310. AS SUCH, MULTIPLE BRANCH CIRCUIT HOME RUNS SHALL, AT A MINIMUM, UTILIZE #10 AWG CONDUCTORS TO COMPLY WITH REQUIREMENTS HEREIN. COORDINATE REQUIREMENTS IN FIELD WITH SPECIFIC HOME RUN CONFIGURATION AND NEC 2008.                                                                                                                                                                                                   |
| Z. | AIM AND ADJUST FIXTURES WITH ADJUSTMENT CAPABILITIES (I.E. TRACK LIGHTING, HIGH BAY LIGHTING, EXTERIOR FIXTURES, ETC.) TO THE SATISFACTION OF THE OWNERS REPRESENTATIVE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ZZ.  | PRIOR TO THE START OF WORK AND THE ORDERING OF EQUIPMENT, CONTRACTOR SHALL CAREFULLY MEASURE AND VERIFY THE VOLTAGE, PHASE AND WIRING CONFIGURATION OF EXISTING PANELS AND EXISTING GEAR THAT ARE PART OF WORK AND SHALL CAREFULLY VERIFY THAT ALL ELECTRICAL CONNECTIONS, GEAR AND EQUIPMENT HAVE BEEN CAREFULLY COORDINATED TO ELIMINATE CONFLICTS. COORDINATE WITH OTHER TRADES AS REQUIRED TO ELIMINATE ELECTRICAL CONFLICTS PRIOR TO START OF WORK.                                                                                                                                                                                                                                                                                      |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | AAA. | CAREFULLY VERIFY COLOR TEMPERATURES OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

ABBREVIATIONS LIST

|       |                                      |      |                                                    |
|-------|--------------------------------------|------|----------------------------------------------------|
| A     | AMPS                                 | J    | JUNCTION BOX                                       |
| AC    | AIR CONDITIONING                     | KVA  | KILOVOLT AMPERE                                    |
| AFF   | ABOVE FINISHED FLOOR                 | KW   | KILOWATTS                                          |
| AFG   | ABOVE FINISHED GRADE                 | LSI  | LONG TIME, SHORT TIME, INSTANTANEOUS               |
| BRKR  | BREAKER                              | LSIG | LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT |
| C     | CONDUIT                              | MECH | MECHANICAL                                         |
| CH    | CABINET HEATER                       | MNTD | MOUNTED                                            |
| CKT   | CIRCUIT                              | NE   | NEW LOCATION OF EXISTING RELOCATED DEVICE          |
| DISTR | DISTRIBUTION                         | NIC  | NOT IN CONTRACT                                    |
| EF    | EXHAUST FAN                          | NL   | NIGHTLIGHT                                         |
| ELEC  | ELECTRICAL                           | NTS  | NOT TO SCALE                                       |
| EM    | EMERGENCY                            | O/C  | ON CENTER                                          |
| EMT   | ELECTRICAL METALLIC TUBING           | P    | POLE                                               |
| ER    | EXISTING DEVICE TO BE REMOVED        | PNL  | PANEL                                              |
| EX    | EXISTING DEVICE TO REMAIN            | PH   | PHASE                                              |
| F     | FUSE                                 | RR   | REMOVE AND RELOCATE EXISTING DEVICE                |
| F&I   | FURNISH AND INSTALL                  | SW   | SWITCH                                             |
| FS    | FUSIBLE SWITCH                       | TYP  | TYPICAL                                            |
| FNR   | FULL VOLTAGE, NON-REVERSING STARTER  | UCON | UNLESS OTHERWISE NOTED                             |
| G     | GROUND                               | V    | VOLTS                                              |
| GFI   | GROUND FAULT INTERRUPTING PROTECTION | VIF  | VERIFY IN FIELD                                    |
| GRC   | GALVANIZED RIGID CONDUIT             | W    | WATTS                                              |
| HP    | HORSEPOWER                           | WP   | WEATHERPROOF TYPE DEVICE                           |
|       |                                      | WG   | WIRE GUARD                                         |

SYMBOL LIST

|  |                                                                                                                                                                                               |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | JUNCTION BOX - SIZE AND TYPE AS REQUIRED.                                                                                                                                                     |
|  | FLEX CONDUIT CONNECTION                                                                                                                                                                       |
|  | ELECTRIC MOTOR CONNECTION - PROVIDE LOCAL DISCONNECT SWITCH PER NATIONAL ELECTRIC CODE - CONNECT MISCELLANEOUS ACCESSORIES SUCH AS BACK DRAFT DAMPERS, ETC. COMPLETE AS REQUIRED.             |
|  | ELECTRIC PANELBOARDS.                                                                                                                                                                         |
|  | DISCONNECT SWITCH SIZE AND TYPE AS REQUIRED - COORDINATE AMPERE RATING WITH EQUIPMENT SUPPLIER                                                                                                |
|  | TRANSFORMER - SIZE AND TYPE AS REQUIRED                                                                                                                                                       |
|  | SURGE SUPPRESSION DEVICE                                                                                                                                                                      |
|  | TELEPHONE TERMINAL BOARD                                                                                                                                                                      |
|  | CONDUIT STUB INTO ACCESSIBLE CEILING SPACE TERMINATE W/ INSULATING BUSHING                                                                                                                    |
|  | CONDUIT CONCEALED ABOVE CEILING OR IN WALL                                                                                                                                                    |
|  | CONDUIT CONCEALED IN OR BELOW FINISHED FLOOR.                                                                                                                                                 |
|  | CONDUIT EXPOSED ON CEILING, WALL OR BAR JOIST - ROUTED IN NEAT MANNER                                                                                                                         |
|  | FLEXIBLE CONDUIT - ROUTED IN NEAT MANNER WITHIN CHASE OF CASEWORK.                                                                                                                            |
|  | HOMERUN TO PANEL INDICATING PANEL AND CIRCUIT BREAKER NUMBER WITHIN THE PANEL.                                                                                                                |
|  | INDICATES NUMBER OF CONDUCTORS IN CONDUIT (CONTRACTOR SHALL VERIFY AND INSTALL ADDITIONAL WHERE REQUIRED) CROSS HATCHED INDICATES NUMBER OF CONDUCTORS (HOT OR SWITCHED LEG, NEUTRAL, GROUND) |
|  | WIRE MOLD SURFACE RACEWAY COMPLETE WITH ALL ACCESSORIES                                                                                                                                       |
|  | WIREMOLD #4000 RACEWAY VERTICAL RISER. SEE DETAIL                                                                                                                                             |
|  | ALL DEVICES INDICATED WITH SHADED BOX BASE TO BE SURFACE MOUNTED TO THE EXISTING WALL ON WIREMOLD #2000 OR EQUAL, IF SINGLE SERVICE, OR WIREMOLD #4000 IF DUAL SERVICES                       |

SECURITY

|  |                                                                                                  |
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|  | CARD ACCESS CONTROLLER - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                  |
|  | ELECTRIC DOOR STRIKE - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                    |
|  | SURVEILLANCE CAMERA - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                     |
|  | SURVEILLANCE CAMERA - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                     |
|  | SECURITY SYSTEM DOOR CONTACT - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.            |
|  | EXTERIOR 180 DEGREE SURVEILLANCE CAMERA - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION. |
|  | DISPLAY CAMERA - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                          |

COMMUNICATIONS

|  |                                                                                                        |
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|  | CEILING SPEAKERS - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                              |
|  | DUPLEX DATA OUTLET - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                            |
|  | WALL MOUNTED DIGITAL CLOCK/SPEAKER UNIT - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION        |
|  | DUPLEX DATA OUTLET FOR WIRELESS ACCESS POINTS - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION. |
|  | INTERCOM PRIVACY CALL-IN SWITCH - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.               |
|  | CARD ACCESS WIRELESS HUB - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                      |

LIGHTING

|  |                                                                                                                                                                                                                                                                                                                                                          |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | EMERGENCY BATTERY LIGHT MOUNTED 7'-6" AF (OR AS NOTED)                                                                                                                                                                                                                                                                                                   |
|  | REMOTE EMERGENCY BATTERY LIGHT MOUNTED 7'-6" AF (OR AS NOTED)                                                                                                                                                                                                                                                                                            |
|  | FIXTURE ON EMERGENCY CIRCUIT (EMNL) WITH 90 MINUTE, FULL LUMEN OUTPUT BATTERY UNIT OR INVERTER, BOBINE #B30 (FLUORESCENT), BOBINE FACTORY INSTALLED DRIVER (LED) OR MYERS #LV SERIES INVERTER (FLUORESCENT OR LED). REMOTE MOUNT IN ACCESSIBLE CEILINGS WHERE INTERNAL INSTALLATION IS NOT POSSIBLE (PROVIDE TEST SWITCH & ALL NECESSARY APPURTENANCES). |

SWITCHING

|  |                                                                                                                                                                                                        |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | TP TOUCH SCREEN CONTROL FOR LIGHTING SCENE SELECTOR - nPOD nTS OR EQUAL BY COOPER OR HUBBELL CONTROLS.                                                                                                 |
|  | MO CLASSROOM LIGHTING OVERRIDE SWITCH - 120V TOGGLE SWITCH TO OVERRIDE ALL LIGHTING CONTROLS IN THE CLASSROOMS TO ALLOW LIGHTING SHUT OFF WITHOUT AUTOMATIC ON UNTIL THIS SWITCH HAS BEEN TOGGLED 'ON' |
|  | \$ NETWORKED LOW VOLTAGE SWITCH MTD 42" AFF: N-LIGHT N-PDOM SERIES OR EQUAL BY COOPER OR HUBBELL CONTROLS.                                                                                             |
|  | \$ <sup>3</sup> NETWORKED 3-WAY LOW VOLTAGE SWITCH MTD 42" AFF: N-LIGHT N-PDOM SERIES WITH 3-WAY CAPABILITY OR EQUAL BY COOPER OR HUBBELL CONTROLS.                                                    |
|  | \$M <sup>1</sup> FURNISH AND INSTALL NETWORKED WALL SWITCH DUAL TECHNOLOGY OCCUPANCY SENSOR MTD 42" AFF: N-LIGHT #NWXS-PDT-LV OR APPROVED EQUAL BY COOPER OR HUBBELL CONTROLS.                         |
|  | WALL MOUNTED NETWORKED DIMMER SWITCH MTD 42" AFF: N-LIGHT, COOPER OR HUBBELL CONTROLS. VERIFY SUITABILITY OF DIMMER WITH FIXTURE MANUFACTURER PRIOR TO ORDERING.                                       |
|  | MS FURNISH AND INSTALL NETWORKED CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR: N-LIGHT #NCDM-PDT-10 (WITH MICROPHONICS) OR APPROVED EQUAL BY COOPER OR HUBBELL CONTROLS.                           |
|  | \$ <sup>4</sup> NETWORKED FOUR WAY LOW VOLTAGE SWITCH MTD. 42" AFF: N-LIGHT N-PDOM SERIES WITH 4-WAY CAPABILITY OR EQUAL BY COOPER OR HUBBELL CONTROLS.                                                |
|  | \$ <sup>K</sup> KEY OPERATED TOGGLE TYPE SWITCH (HUBBELL #HBL1221L OR EQUAL)                                                                                                                           |

FIRE ALARM

|                                                                                  |                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOTE: FIRE ALARM DEVICES, MOUNTING HEIGHT, ETC. SHALL COMPLY WITH ADA STANDARDS. |                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                  | FIRE ALARM CONTROL PANEL                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                  | FIRE ALARM ANNUNCIATOR PANEL                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                  | FIRE ALARM SYSTEM DUCT TYPE SMOKE DETECTOR WIRED TO CONTROL LOCAL FAN SHUT DOWN RELAY - DUCT DETECTOR TO BE MOUNTED IN AIR DUCT SYSTEM AND WIRED PER MANUFACTURER'S RECOMMENDATIONS AND NFPA 72                                                                                                                                                                              |
|                                                                                  | ADDRESSABLE CARBON MONOXIDE DETECTOR FOR ROOFTOP UNIT TO BE INSTALLED IN DUCT. DEVICE SHALL BE FULLY COMPATIBLE AND U.L. LISTED FOR USE WITH NEW FACP. AT CONTRACTOR'S OPTION, CONTRACTOR SHALL PROVIDE U.L. LISTED ADDRESSABLE CARBON MONOXIDE UNITS LISTED FOR USE WITH NEW FACP LOCATED WITHIN 20' OF ROOFTOP AND IN EVERY SPACE SERVED BY ROOFTOP. COMPLETE AS REQUIRED. |
|                                                                                  | FIRE ALARM PULL STATION MTD 42" AFF.                                                                                                                                                                                                                                                                                                                                         |
|                                                                                  | FIRE ALARM AUDIO/VISUAL DEVICE MTD. 80" A.F. OR 6" BELOW FINISHED CEILING WHICHEVER IS LOWER. - 110 CANDELA                                                                                                                                                                                                                                                                  |
|                                                                                  | FIRE ALARM STROBE ONLY MTD 80" AFF. - 15 CANDELA                                                                                                                                                                                                                                                                                                                             |
|                                                                                  | FIRE ALARM STROBE ONLY MTD 80" AFF. - 75 CANDELA                                                                                                                                                                                                                                                                                                                             |
|                                                                                  | FIRE ALARM STROBE ONLY MTD 80" AFF. - 110 CANDELA                                                                                                                                                                                                                                                                                                                            |
|                                                                                  | FIRE ALARM STROBE ONLY MTD 80" AFF.                                                                                                                                                                                                                                                                                                                                          |
|                                                                                  | FIRE ALARM SYSTEM HEAT DETECTOR - COMBINATION TYPE (R/R - FIXED TEMP.) IN BOILER ROOM                                                                                                                                                                                                                                                                                        |
|                                                                                  | FIRE ALARM SYSTEM SMOKE DETECTOR - CEILING MOUNTED - ABOVE FACP                                                                                                                                                                                                                                                                                                              |
|                                                                                  | FURNISH AND INSTALL DIGITAL CARBON MONOXIDE SENSING PROBES - MSA Z GARD S SENSORS OR APPROVED EQUAL WITH 34°C. AND WIRING ROUTED TO CARBON MONOXIDE CONTROL PANEL. COORDINATE REQUIREMENTS WITH MANUFACTURER AND SPECIFICATIONS. MOUNT UNIT AT 48" A.F.F.                                                                                                                    |

SHEET SYMBOLS

|  |                                                                                                                                                                                                                                                                                          |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | HEXAGON TAG REFERENCE TO EQUIPMENT CONNECTION SCHEDULE                                                                                                                                                                                                                                   |
|  | HEXAGON TAG REFERENCE TO KITCHEN EQUIPMENT CONNECTION SCHEDULE                                                                                                                                                                                                                           |
|  | ELLIPSE TAG REFERENCE TO SHEET NOTES                                                                                                                                                                                                                                                     |
|  | TWO DEVICE MOUNTED UNDER COMMON COVER. WHERE LOW VOLTAGE DEVICES ARE MOUNTED UNDER COMMON COVER, CONDUIT STUBS MAINTAINING THE EQUIVALENT FREE AREA FOR THE LOW VOLTAGE CABLING.                                                                                                         |
|  | Remove EXISTING DEVICE AND PROVIDE NEW AS INDICATED IN EXISTING BACK BOX. JUNCTION BOX, ETC. VERIFY EXACT LOCATION AND CONDITIONS IN FIELD. MODIFY EXISTING BACK BOX, JUNCTION BOX, ETC. PROVIDE TRIM PLATES, EXTENSION RINGS, ETC. AS REQUIRED TO MOUNT NEW DEVICE AS INDICATED.        |
|  | F&I NEW DEVICE AS INDICATED.                                                                                                                                                                                                                                                             |
|  | EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO REMAIN.                                                                                                                                                                                                                   |
|  | EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO BE REMOVED COMPLETE IN ITS ENTIRETY. REMOVE ALL ASSOCIATED SURFACE MOUNTED CONDUIT, OUTLETS, ETC. AND BLANK-OFF FLUSH WITH NEW OR EXISTING CONSTRUCTION. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
|  | REMOVE EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICES, ETC. AND RELOCATE TO NEW LOCATION COMPLETE AS REQUIRED.                                                                                                                                                                   |
|  | NE NEW LOCATION OF EXISTING RELOCATED LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. EXTEND CONDUIT, WIRE, CABLE, ETC. COMPLETE AS REQUIRED TO NEW LOCATION FOR A COMPLETE AND PROPER INSTALLATION.                                                                                  |

RECEPTACLES

|  |                                                                                                                                                                                                                                                                                                                                                                |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 18" A.F.F. OR AS NOTED) (HUBBELL #5362 OR EQUAL).                                                                                                                                                                                                                                                    |
|  | 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 42" A.F.F. OR 2" ABOVE BACKSPASH IF LOCATED ABOVE COUNTER) (HUBBELL #5362 OR EQUAL)                                                                                                                                                                                                                  |
|  | 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED AT SPECIAL HEIGHT - COORDINATE IN FIELD) (HUBBELL #5362 OR EQUAL)                                                                                                                                                                                                                                    |
|  | 120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH G.F.I. PROTECTION - (MOUNTED 18" A.F.F. OR AS NOTED) (HUBBELL #GF20 OR EQUAL)                                                                                                                                                                                                                     |
|  | 120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH G.F.I. PROTECTION (MOUNTED 42" A.F.F. OR 2" ABOVE BACKSPASH IF LOCATED ABOVE COUNTER) (HUBBELL #GF20 OR EQUAL)                                                                                                                                                                                    |
|  | SPECIAL PURPOSE OUTLET (AS NOTED ON PLAN OR SPECIFICATIONS).                                                                                                                                                                                                                                                                                                   |
|  | 120V-20A SPECIFICATION GRADE FLUSH IN FLOOR DUPLEX RECEPTACLE MOUNTED IN SHALLOW CAST IRON FLUSH MOUNTED TWO-GANG FLOOR BOX (WALKER OMNIBUS SERIES FLUSH FLOOR BOX WITH BRASS COVER PLATE OR EQUAL)                                                                                                                                                            |
|  | WIREMOLD #RFB4 SERIES FLUSH FLOOR BOX - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION                                                                                                                                                                                                                                                                  |
|  | TEACHER PANEL WITH TWO (2) DUPLEX RECEPTACLES. SEE TEACHER STATION AND PROJECTOR DETAIL FOR ADDITIONAL INFORMATION. REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                                                                                                                                                                                     |
|  | FLUSH IN WALL "TV" PANEL - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION                                                                                                                                                                                                                                                                               |
|  | CEILING MOUNTED "TV" PANEL LOCATION WITH ONE (1) DUPLEX RECEPTACLE - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                    |
|  | WALL MOUNTED PROJECTOR LOCATION - REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION                                                                                                                                                                                                                                                                        |
|  | CEILING MOUNTED PROJECTOR LOCATION WITH ONE (1) DUPLEX RECEPTACLE. SUPPORT BOXES FROM STRUCTURE WITH UNISTRUT AS REQUIRED. SEE TEACHER STATION AND PROJECTOR DETAILS FOR ADDITIONAL INFORMATION. REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                                                                                                        |
|  | REEL CORD WITH 45' CORD AND 20A DUPLEX GFCI RECEPTACLE, HUBBELL #HBL45123GF20 OR EQUAL, COMPLETE WITH BALL STOP, AND ALL OTHER APPURTENANCES NECESSARY FOR A COMPLETE AND PROPER INSTALLATION. MOUNT REEL CORD TO THE STRUCTURE ABOVE OR TO THE CEILING GRID (WHERE CEILINGS EXIST). VERIFY CONDITIONS, REQUIREMENTS AND LOCATIONS IN FIELD PRIOR TO ROUGH-IN. |
|  | 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE WITH TWO (2) INTEGRAL USB JACKS. MOUNTED 18" A.F.F. OR AS NOTED. PROVIDE PASS AND SEYMOUR #TR5362US OR APPROVED EQUAL.                                                                                                                                                                                          |



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MERRILLVILLE  
HIGH SCHOOL  
CULINARY AND  
MEETING AREA  
RENOVATIONS

MERRILLVILLE COMMUNITY  
SCHOOL CORPORATION  
276 E 68TH PLACE  
MERRILLVILLE, IN. 46410

BID SET

GIBALTAR DESIGN

4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46266  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone 317.580.5777 Fax 317.580.5778

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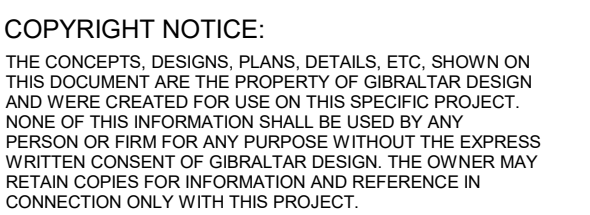
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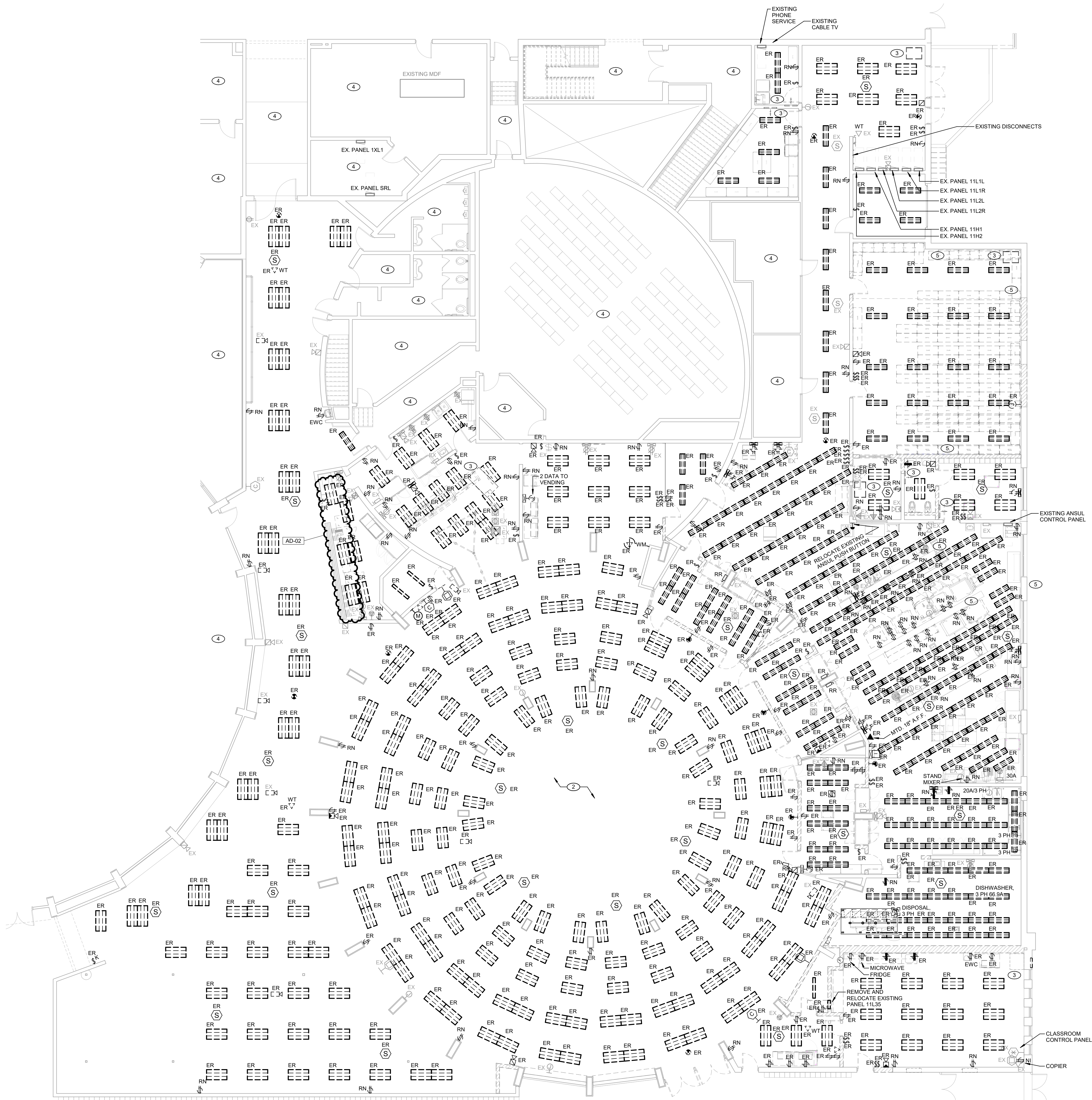
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| AD-02 | 07/31/26 | ADDENDUM 02 |

DRAWING  
ELECTRICAL NOTES, SYMBOLS  
& ABBREVIATIONS

PROJECT  
MERRILLVILLE HIGH SCHOOL  
CULINARY AND MEETING AREA  
RENOVATIONS

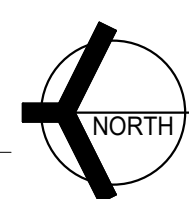
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1/8" = 1'-0"

## UNIT "T" ELECTRICAL FIRST FLOOR DEMOLITION PLAN



## DEMOLITION NOTES

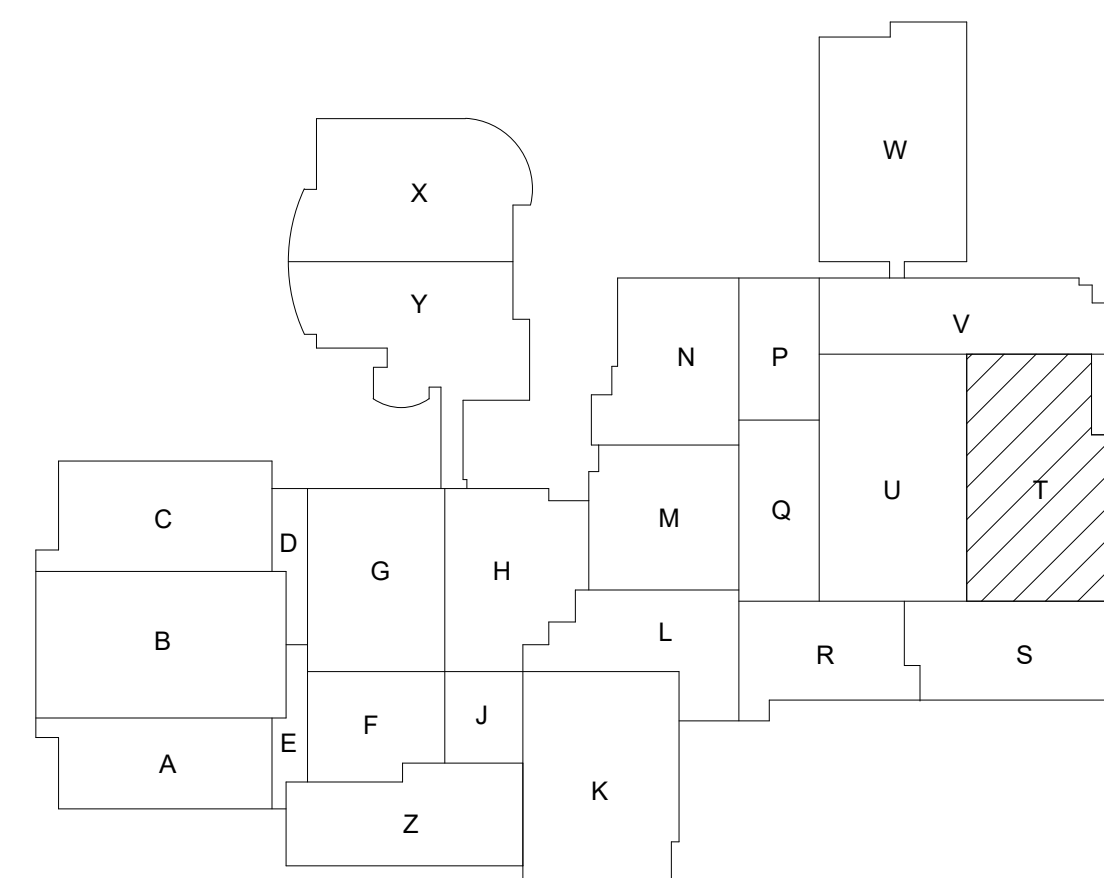
- COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY POWER AND SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF ALL WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.
- DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES, EQUIPMENT, LIGHTING, WIRING, ETC., AS REQUIRED TO FACILITATE DEMOLITION AND RECONSTRUCTION WORK. COORDINATE WITH GENERAL CONSTRUCTION. THE CONTRACTOR IS HEREBY ADVISED THAT THESE DRAWINGS MAY NOT INDICATE ALL EXISTING WIRING AND/OR EQUIPMENT WHICH MUST BE REMOVED, REWORKED, RELOCATED, ETC. TO ACCOMMODATE DEMOLITION AND RECONSTRUCTION WORK IN THE EXISTING BUILDING.
- SCHEDULE ALL WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT ALL TIMES, INCLUDING FIA AND OTHER SPECIAL SYSTEMS, ELECTRICAL POWER DISTRIBUTION, ETC. ALL REQUIRED SHUTDOWNS OF EXISTING FACILITY UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL.
- ALL EXISTING EQUIPMENT SHALL REMAIN PROPERTY OF THE OWNER AND OWNER SHALL DETERMINE IF CONTRACTOR IS TO STORE EQUIPMENT ON SITE AT OWNER SELECTED LOCATION OR IF CONTRACTOR IS TO ABANDON OR REMOVE EQUIPMENT FROM SITE.
- CONTRACTOR TO FIELD VERIFY IF EXISTING ASBESTOS WILL BE ENCOUNTERED PRIOR TO STARTING ANY WORK. IF ASBESTOS IS PRESENT, THE OWNER WILL PROVIDE FOR THE REMOVAL OF ANY MATERIAL CONTAINING ASBESTOS. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- ANY HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITTEN FORM FOR REVIEW AND DIRECTION. FAILURE TO DO SO SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR ANY AND ALL REQUIRED CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION.
- EXISTING INFORMATION IDENTIFIED ON THE CONTRACT DOCUMENTS IS SCHEMATIC ONLY AS AN AID TO THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY ADDRESS ALL EXISTING CONDITIONS FOR A COMPLETE AND PROPER INSTALLATION OF NEW SYSTEMS. ALL EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.
- DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND ANY OTHER CEILING DEVICES AS REQUIRED FOR INSTALLATION OF WORK (ALL TRADES). REINSTALL UPON COMPLETION OF WORK. REPAIR ALL DAMAGED FIXTURES AND DEVICES.
- VISIT SITE PRIOR TO BIDDING TO DETERMINE ALL FIELD CONDITIONS. VERIFY ALL EXISTING INTERIOR AND EXTERIOR ELECTRICAL SYSTEMS TO DETERMINE FULL EXTENT OF DEMOLITION WORK.
- ALL EXISTING LIGHTING FIXTURES, ELECTRICAL DEVICES, CONDUIT, ETC., SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK. ALL EXISTING ELECTRICAL EQUIPMENT SHALL REMAIN PROPERTY OF THE OWNER AND SHALL BE PROPERLY STORED ON SITE, OR DESIGNATED TO BE ABANDONED AND REMOVED FROM SITE AS DIRECTED BY OWNER.
- EXISTING ELECTRICAL DEVICES (RECEPTACLES, SWITCHES, OUTLET BOXES, CONDUIT, ETC.) WITHIN WALLS TO BE REMOVED SHALL BE DISCONNECTED COMPLETELY. REROUTE CIRCUITRY AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR ALL REMAINING DEVICES/EQUIPMENT. VERIFY EXACT CONDITIONS AND QUANTITIES IN FIELD.
- PATCH ALL EXISTING CEILING, FLOOR, WALL AND ROOF OPENINGS AND SURROUNDING FINISHES RESULTING FROM REMOVAL OF EXISTING MATERIALS AND EQUIPMENT SO THAT FINISH WILL MATCH EXISTING IN SURROUNDING AREAS.

## SHEET NOTES

- EXISTING MECHANICAL EQUIPMENT TO REMAIN.
- REMOVE ALL EXISTING FIXTURES IN EXISTING SOFFIT AND DOME. VERIFY EXACT LENGTHS AND LOCATION IN FIELD WHEN REMOVED.
- EXISTING MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. COMPLETE AS REQUIRED. LABEL EXISTING BREAKERS AS SPARE.
- EXISTING LIGHTING IN THIS SPACE TO REMAIN.
- FOR DEVICES WITH 'RN' TAG ON THIS WALL WITH EXISTING SURFACE RACEWAY. SALVAGE AND REINSTALL EXISTING RACE WAY FOR NEWLY INSTALLED ELECTRICAL FIXTURE. COMPLETE AS REQUIRED.

## GENERAL NOTES

- DISCONNECT AND REMOVE ALL EXISTING LIGHTING UNLESS OTHERWISE NOTED/LABELED AND SHOWN AS 'RY' AND RELATED CIRCUITRY BACK TO NEAREST JUNCTION BOX COMPLETE AS REQUIRED. RETAIN ALL ASSOCIATED WIRING, CONDUIT, ETC. FOR USE WITH NEW LIGHTING AND SWITCHING SHOWN ON THE ELECTRICAL LIGHTING PLAN.
- EXISTING EXTERIOR LIGHTING TO REMAIN.



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SCHOOL CORPORATION  
276 E 68TH PLACE  
MERRILLVILLE, IN, 46410

BID SET

GIBRALTAR DESIGN

4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46268  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone 317.580.5777 Fax 317.580.5778

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AD-02 07/31/26 ADDENDUM 02

DRAWING  
UNIT "T" ELECTRICAL FIRST  
FLOOR DEMOLITION PLAN

PROJECT  
MERRILLVILLE HIGH SCHOOL  
CULINARY AND MEETING AREA  
RENOVATIONS

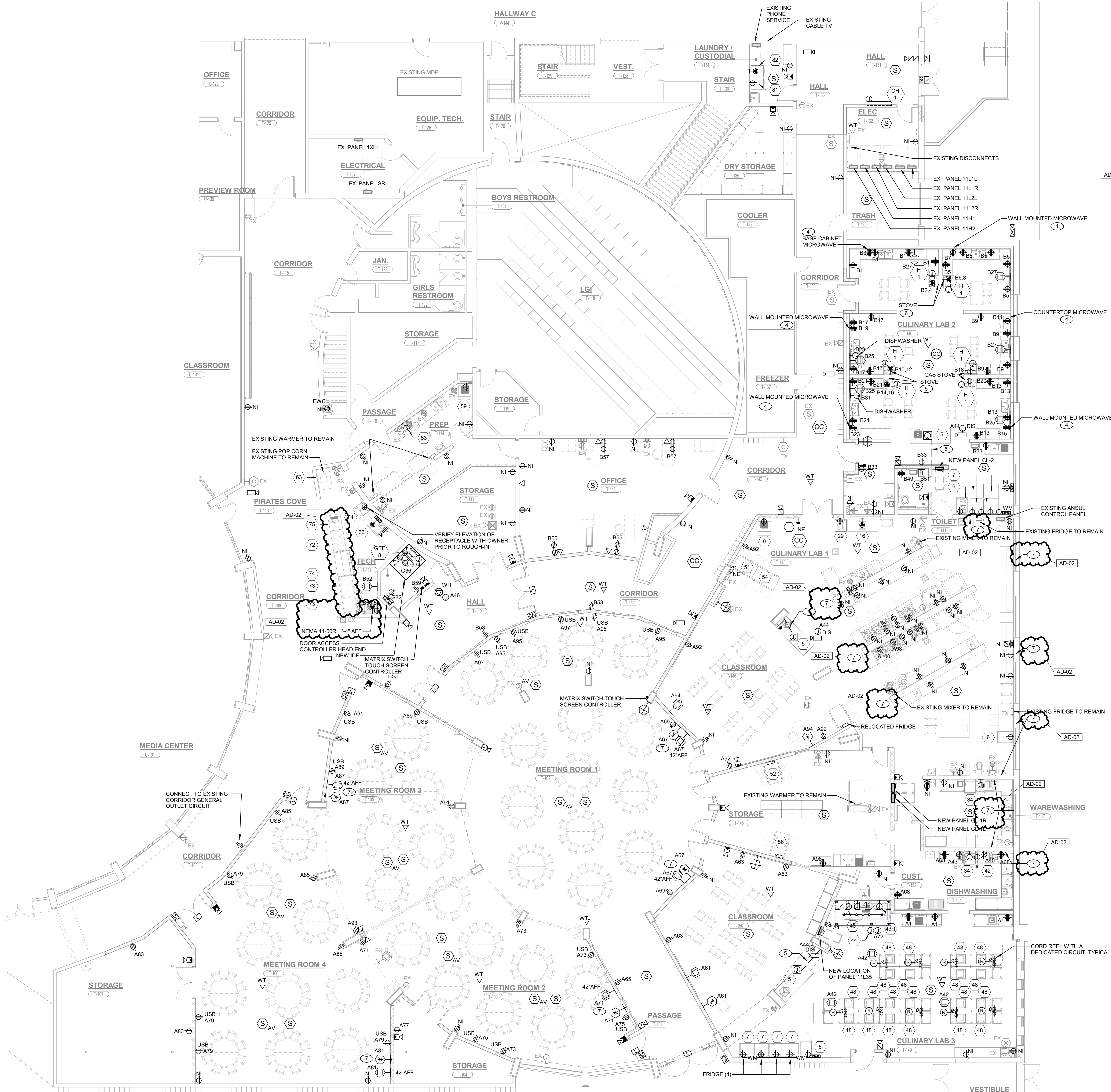
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# UNIT "T" ELECTRICAL POWER FIRST FLOOR PLAN

1/8" = 1'-0"



## SHEET NOTES

- EXISTING MECHANICAL EQUIPMENT TO REMAIN.
- THIS LOCATION SHALL BE CONNECTED TO THE SWITCHING MATRIX IN THE MEETING ROOM SOUND CABINET. REFER TO THE LOW VOLTAGE GENERAL NOTES FOR ADDITIONAL INFORMATION.
- MEETING ROOM AV SYSTEM WITH 10X10 SWITCHING MATRIX. REFER TO LOW VOLTAGE GENERAL NOTES FOR ADDITIONAL INFORMATION.
- REFER TO ARCHITECTURAL PLANS FOR RECEPTACLE MOUNTING HEIGHT. VERIFY INSTALLATION HEIGHT WITH OWNER PRIOR TO INSTALLATION.
- SAW CUT EXISTING FLOOR AS REQUIRED TO ROUTE NEW CONDUIT AND WIRING. CONCEALED IN FLOOR, TO NEW DEMONSTRATION TABLE. ROUTE 3/4" C. FOR POWER WIRING DOWN THE WALL AND INTO THE SAW CUT. EXTEND TO THE NEW DEMONSTRATION TABLE AND CONNECT, COMPLETE AS REQUIRED.
- ROUTE (3) #6 & 1 #10 GRD. IN 1" CONDUIT FROM PANEL CL-2 TO THE NEW DEVICE.
- REMOVE AND REINSTALL EXISTING DEVICES, RACEWAYS, CONDUIT, BOXES, AND CONDUCTORS ON EXISTING WALL TO ALLOW FOR PATCHING AND PAINTING OF THE ENTIRE WALL. COMPLETE AS REQUIRED. THIS INCLUDES ALL POWER, FIRE ALARM, LOW VOLTAGE, DATA, LIGHTING, ETC DEVICES. ALL REMOVED DEVICES, RACEWAY ETC SHALL BE PROTECTED AND REINSTALLED MATCHING EXISTING CONDITIONS AT COMPLETION OF THE NEW ARCHITECTURAL WALL WORK.

## GENERAL NOTES

- PROVIDE TWO (2) ADDITIONAL CAMERA CONNECTIONS AT LOCATIONS COORDINATED WITH OWNER'S REPRESENTATIVE.
- CIRCUIT ALL DEVICES WITH PREFIX "A" TO PANEL CL-1. CIRCUIT ALL DEVICES WITH PREFIX "B" TO PANEL CL-2.
- VERIFY SPECIAL PURPOSE OUTLET NEMA RATING REQUIREMENTS WITH OWNER'S EQUIPMENT PRIOR TO ORDERING. COMPLETE AS REQUIRED.



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4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46256  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone 317.580.5777 Fax 317.580.5778

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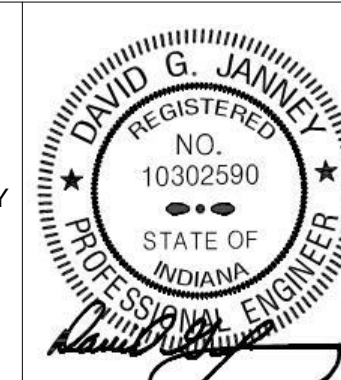
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DRAWING  
UNIT "T" ELECTRICAL POWER  
FIRST FLOOR PLAN

PROJECT  
MERRILLVILLE HIGH SCHOOL  
CULINARY AND MEETING AREA  
RENOVATIONS

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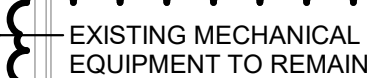
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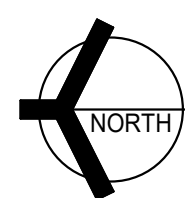
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**UNIT**  
 $1/8" = 1'-0"$

## UNIT "T" ELECTRICAL ROOF PLAN



1. EXISTING MECHANICAL EQUIPMENT TO REMAIN.

|    |                                                                                                       |
|----|-------------------------------------------------------------------------------------------------------|
| 1. | CIRCUIT ALL DEVICES WITH PREFIX "A" TO PANEL CL-1. CIRCUIT ALL DEVICES WITH PREFIX "B" TO PANEL CL-2. |
|----|-------------------------------------------------------------------------------------------------------|

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ENGINEERING GROUP  
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[www.milliesengineeringgroup.com](http://www.milliesengineeringgroup.com)

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MERRILLVILLE COMMUNITY  
SCHOOL CORPORATION  
276 E 68TH PLACE  
MERRILLVILLE, IN, 46410

BID SET

4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46268  
Homepage: [www.GibraltarDesign.com](http://www.GibraltarDesign.com)  
Email: [info@GibraltarDesign.com](mailto:info@GibraltarDesign.com)  
Phone 317.580.5777 Fax 317.580.5778

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## REVISIONS

|       |          |             |
|-------|----------|-------------|
| MARK  | DATE     | ISSUED FOR  |
| AD-02 | 07/31/26 | ADDENDUM 02 |

DRAWING  
UNIT "T" ELECTRICAL POWER  
ROOF PLAN

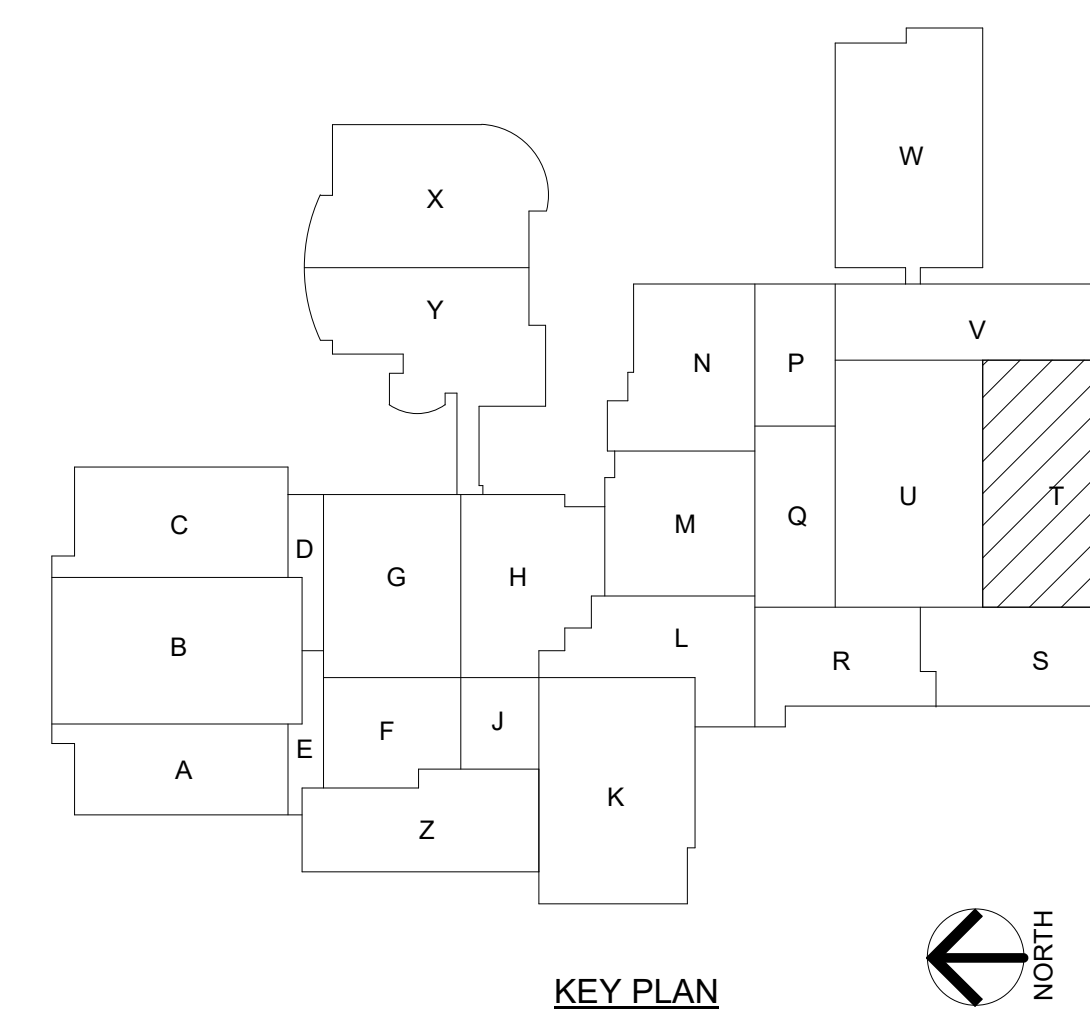
PROJECT  
MERRILLVILLE HIGH SCHOOL  
CULINARY AND MEETING AREA  
RENOVATIONS

© GIBRALTAR  
DESIGN

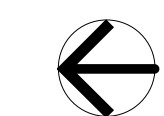
SHEET

T

EP201



### KEY PLAN





| NEW PANEL CL-1R                                          |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
|----------------------------------------------------------|--------------------------|--|--|--------------------|------|-------|-----|-----|------|----|------|------|-------|------|------|---------------------|--------------------------------|--|-----|------|
| LOCATION: WASH T-147                                     |                          |  |  | VOLTS: 120/208 Wye |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
| SUPPLY FROM: NEW PANEL CL-1L                             |                          |  |  | PHASES: 3          |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
| MOUNTING: RECESSED                                       |                          |  |  | MAINS TYPE: MLO    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
| ENCLOSURE: NEMA-1                                        |                          |  |  | MAIN RATING: 400 A |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
| A.I.C. RATING: 22000 A                                   |                          |  |  | BUSSING: COPPER    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
| NOTES:                                                   |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
| DOUBLE TUB PANEL WITH PANEL CL-1L PROVIDE SUB FEED LUGS. |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
| CKT                                                      | CIRCUIT DESCRIPTION      |  |  | LEG.               | TRIP | POLES | A   | B   | C    | A  | B    | C    | POLES | TRIP | LEG. | CIRCUIT DESCRIPTION |                                |  | CKT |      |
| A61                                                      | REC - T-150 - INPUT/TV   |  |  | --                 | 20 A | 1     | 900 |     |      |    |      |      |       |      |      |                     |                                |  |     | A62  |
| A63                                                      | REC - T-150              |  |  | --                 | 20 A | 1     |     | 600 |      |    |      | 480  |       | 3    | 20 A | GC                  | DISPOSER - T-151               |  |     | A64  |
| A65                                                      | REC - T-101              |  |  | --                 | 20 A | 1     |     |     | 200  |    |      | 480  |       |      |      |                     |                                |  |     | A66  |
| A67                                                      | REC - T-102 - TV         |  |  | --                 | 20 A | 1     | 800 |     |      |    | 600  |      |       | 1    | 20 A | --                  | REC - T-151                    |  |     | A68  |
| A69                                                      | REC - T-102              |  |  | --                 | 20 A | 1     |     | 400 |      |    |      | 1920 |       | 1    | 20 A | --                  | COMBI OVEN STEAMER             |  |     | A70  |
| A71                                                      | REC - T-103 - INPUT/TV   |  |  | --                 | 20 A | 1     |     |     | 900  |    |      |      | 500   | 1    | 20 A | GC                  | COMBI VENTILATION CONTROLS     |  |     | A72  |
| A73                                                      | REC - T-103              |  |  | --                 | 20 A | 1     | 600 |     |      | 22 |      |      |       | 1    | 0 A  |                     | GEF-8                          |  |     | A74  |
| A75                                                      | REC - T-103              |  |  | --                 | 20 A | 1     |     | 400 |      |    |      | 1414 |       | 2    | 20 A | GC                  | MICROWAVE - T-145              |  |     | A76  |
| A77                                                      | REC - T-104              |  |  | --                 | 20 A | 1     |     |     | 200  |    |      |      | 1414  |      |      |                     |                                |  |     | A78  |
| A79                                                      | REC - T-106              |  |  | --                 | 20 A | 1     | 600 |     |      |    | 960  |      |       | 1    | 20 A | --                  | QUART MIXER - T-145            |  |     | A80  |
| A81                                                      | REC - T-106 - INPUT/TV   |  |  | --                 | 20 A | 1     |     |     | 900  |    |      | 1428 |       | 1    | 20 A | --                  | ICE MACHINE - T-145            |  |     | A82  |
| A83                                                      | REC - T-107              |  |  | --                 | 20 A | 1     |     |     | 400  |    |      |      | 888   | 1    | 20 A | GC                  | REFRIGERATOR PASS THRU - T-145 |  |     | A84  |
| A85                                                      | REC - T-106              |  |  | --                 | 20 A | 1     | 600 |     |      |    | 1612 |      |       | 2    | 20 A | GC                  | REFRIGERATOR PASS THRU - T-145 |  |     | A86  |
| A87                                                      | REC - T-105 - INPUT/TV   |  |  | --                 | 20 A | 1     |     |     | 900  |    |      | 1612 |       |      |      |                     |                                |  |     | A88  |
| A89                                                      | REC - T-105              |  |  | --                 | 20 A | 1     |     | 400 |      |    | 400  |      | 1920  | 1    | 20 A | --                  | DEMO TABLE - T-145             |  |     | A90  |
| A91                                                      | REC - T-105              |  |  | --                 | 20 A | 1     | 400 |     |      |    | 800  |      |       | 1    | 20 A | --                  | REC - T-146                    |  |     | A92  |
| A93                                                      | REC - CAST TV T-103T-105 |  |  | --                 | 20 A | 1     |     | 200 |      |    |      | 900  |       | 1    | 20 A | --                  | REC - T-146 - INPUT/TV         |  |     | A94  |
| A95                                                      | REC - T-102              |  |  | --                 | 20 A | 1     |     | 400 |      |    | 400  |      | 200   | 1    | 20 A | --                  | REC - T-148 STORAGE            |  |     | A96  |
| A97                                                      | REC - T-102              |  |  | --                 | 20 A | 1     | 400 |     |      |    | 200  |      |       | 1    | 20 A | --                  | REC - T-146 CULINARY           |  |     | A98  |
| A99                                                      | PASS-THRU HOT HOLDING    |  |  | --                 | 20 A | 2     |     |     | 1612 |    |      | 200  |       | 1    | 20 A | --                  | REC - T-146 CULINARY           |  |     | A100 |
| A101                                                     |                          |  |  | --                 | 20 A | 2     |     |     | 1612 |    |      |      | 888   | 1    | 20 A | --                  | REFRIGERATOR PASS-THRU         |  |     | A102 |
| LEGEND:                                                  |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
| GC = PROVIDE GFI CIRCUIT BREAKER                         |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
| ST = PROVIDE SHUNT TRIP BREAKER                          |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
| LO = PROVIDE LOCKABLE DEVICE                             |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
| EX = EXISTING CIRCUIT BREAKER                            |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
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|                                                          |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
|                                                          |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
|                                                          |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |
|                                                          |                          |  |  |                    |      |       |     |     |      |    |      |      |       |      |      |                     |                                |  |     |      |

| EX. PANEL 1XL1                                                                                                                       |                               |  |  |                    |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|--|--------------------|------|-------|------|------|------|---|---|--------------|-------|------|------|---------------------|--------------------------------|-------------------------------|-----|-----|-----|
| LOCATION: WASH T-147                                                                                                                 |                               |  |  | VOLTS: 120/208 Wye |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
| SUPPLY FROM:                                                                                                                         |                               |  |  | PHASES: 3          |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
| MOUNTING: SURFACE                                                                                                                    |                               |  |  | MAINS TYPE: MLO    |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
| ENCLOSURE: NEMA-1                                                                                                                    |                               |  |  | MAIN RATING: 225 A |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
| A.I.C. RATING: 22000 A                                                                                                               |                               |  |  | BUSSING: COPPER    |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
| NOTES:                                                                                                                               |                               |  |  |                    |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
| NEW CIRCUIT BREAKERS SHALL MATCH THE MAKE, MODEL, AND WITHSTAND RATING OF THE EXISTING PANELBOARD. VERIFY EXACT CONDITIONS IN FIELD. |                               |  |  |                    |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
| CKT                                                                                                                                  | CIRCUIT DESCRIPTION           |  |  | LEG.               | TRIP | POLES | A    | B    | C    | A | B | C            | POLES | TRIP | LEG. | CIRCUIT DESCRIPTION |                                |                               | CKT |     |     |
| X1                                                                                                                                   | EX. REACH IN REFR KITCHEN     |  |  | --                 | 20 A | 1     | 0    |      |      |   |   | 0            |       | 1    | 20 A | --                  | EX. ICE MAKER (KITCHEN)        |                               |     | X2  |     |
| X3                                                                                                                                   | EX. REACH IN REFR KITCHEN     |  |  | --                 | 20 A | 1     |      | 0    |      |   | 0 | 0            |       | 1    | 20 A | --                  | EX. MOBILE ICE CREAM CAB "A"   |                               |     | X4  |     |
| X5                                                                                                                                   | EX. MOBILE MILK DISP "A"      |  |  | --                 | 20 A | 1     |      |      |      |   |   | 0            |       | 1    | 20 A | --                  | EX. MOBILE ICE CREAM CAB "B"   |                               |     | X6  |     |
| X7                                                                                                                                   | EX. MOBILE MILK DISP "B"      |  |  | --                 | 20 A | 1     | 0    |      |      |   |   |              |       | 1    | 20 A | --                  | EX. MOBILE ICE CREAM CAB "C"   |                               |     | X8  |     |
| X9                                                                                                                                   | EX. MOBILE MILK DISP "C"      |  |  | --                 | 20 A | 1     |      | 0    |      |   | 0 |              |       | 1    | 20 A | --                  | EX. MOBILE ICE CREAM CAB "C"   |                               |     | X10 |     |
| X11                                                                                                                                  | EX. WALK IN FREEZER/LGT       |  |  | --                 | 20 A | 1     |      |      |      |   |   | 0            |       | 0    | 1    | 20 A                | --                             | EX. MOBILE MILK CAB           |     |     | X12 |
| X13                                                                                                                                  | EX. WALK IN COOLER COIL UNIT  |  |  | --                 | 20 A | 1     | 0    |      |      |   |   |              |       |      |      |                     |                                |                               |     | X14 |     |
| X15                                                                                                                                  | EX. RECEPT ROOF ABOVE KITCHEN |  |  | --                 | 20 A | 1     |      |      |      |   |   | 0            |       | 1    | 20 A | --                  | EX. SOUND EQUIP C120 & CAF SYS |                               |     | X16 |     |
| X17                                                                                                                                  | EX. CRKT                      |  |  | --                 | 20 A | 1     |      |      | 0    |   |   |              |       |      |      |                     |                                |                               |     | X18 |     |
| X19                                                                                                                                  | EX. FM 200 PANEL              |  |  | --                 | 20 A | 1     | 0    |      |      |   |   |              |       | 1    | 20 A | --                  | EX. SECURITY TRANSPONDER BC    |                               |     | X20 |     |
| X21                                                                                                                                  | EX. E WALL & UPPER 4GANG REC  |  |  | --                 | 20 A | 1     |      | 0    |      | 0 |   | 0            |       | 1    | 20 A | --                  | EX. ROLLING GRILLE "C"         |                               |     | X22 |     |
| X23                                                                                                                                  | EX. SPARE                     |  |  | --                 | 20 A | 1     |      |      |      |   |   | 0            |       | 0    | 1    | 20 A                | --                             | EX. ROLLING GRILLE "STC" EAST |     |     | X24 |
| X25                                                                                                                                  | EX. W WALL & UPPER 4GANG REC  |  |  | --                 | 20 A | 1     | 0    |      |      | 0 |   | 0            |       | 1    | 20 A | --                  | EX. GRILLE STAIR T-18          |                               |     | X26 |     |
| X27                                                                                                                                  | NEW SPACE FROM EX. BREAKER    |  |  | --                 | --   | 1     | --   | --   |      |   |   |              |       | 1    | 20 A | --                  | EX. FIRE ALARM NAC #7          |                               |     | X28 |     |
| X29                                                                                                                                  | REFRIGERATOR - T-140          |  |  | GC                 | 20 A | 1     |      |      | 1200 |   |   |              | 1200  | 1    | 20 A | GC                  | REFRIGERATOR - T-149           |                               |     | X30 |     |
| X31                                                                                                                                  |                               |  |  | --                 | 20 A | 1     |      | 0    |      |   |   | 0            |       |      |      |                     |                                |                               |     | X32 |     |
| X33                                                                                                                                  | EX. COOLER COND UNIT ON ROOF  |  |  | --                 | 15 A | 3     |      | 0    |      |   |   | 0            |       | 3    | 40 A | --                  | EX. FREEZER COND UNIT ON ROOF  |                               |     | X34 |     |
| X35                                                                                                                                  |                               |  |  | --                 | 20 A | 1     |      |      | 0    |   |   |              | 0     |      |      |                     |                                |                               |     | X36 |     |
| X37                                                                                                                                  | REFRIGERATOR - T-140          |  |  | GC                 | 20 A | 1     | 1200 |      |      |   |   | 1200         |       | 1    | 20 A | GC                  | REFRIGERATOR - T-149           |                               |     | X38 |     |
| X39                                                                                                                                  | REFRIGERATOR - T-140          |  |  | GC                 | 20 A | 1     |      | 1200 |      |   |   | 1200         |       | 1    | 20 A | GC                  | REFRIGERATOR - T-149           |                               |     | X40 |     |
| X41                                                                                                                                  | REFRIGERATOR - T-140          |  |  | GC                 | 20 A | 1     |      |      | 1200 |   |   |              | 1200  | 1    | 20 A | GC                  | REFRIGERATOR - T-149           |                               |     | X42 |     |
| LEGEND:                                                                                                                              |                               |  |  |                    |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
| GC = PROVIDE GFI CIRCUIT BREAKER                                                                                                     |                               |  |  |                    |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
| ST = PROVIDE SHUNT TRIP BREAKER                                                                                                      |                               |  |  |                    |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
| LO = PROVIDE LOCKABLE DEVICE                                                                                                         |                               |  |  |                    |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
| EX = EXISTING CIRCUIT BREAKER                                                                                                        |                               |  |  |                    |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |
|                                                                                                                                      |                               |  |  |                    |      |       |      |      |      |   |   | PANEL TOTALS |       |      |      |                     |                                |                               |     |     |     |
| TOTAL CONNECTED LOAD PHASE A:                                                                                                        |                               |  |  |                    |      |       |      |      |      |   |   | 2400 VA      |       |      |      |                     |                                |                               |     |     |     |
| TOTAL CONNECTED LOAD PHASE B:                                                                                                        |                               |  |  |                    |      |       |      |      |      |   |   | 2400 VA      |       |      |      |                     |                                |                               |     |     |     |
| TOTAL CONNECTED LOAD PHASE C:                                                                                                        |                               |  |  |                    |      |       |      |      |      |   |   | 4800 VA      |       |      |      |                     |                                |                               |     |     |     |
| TOTAL CONNECTED LOAD:                                                                                                                |                               |  |  |                    |      |       |      |      |      |   |   | 9600 VA      |       |      |      |                     |                                |                               |     |     |     |
| TOTAL CONNECTED AMPS:                                                                                                                |                               |  |  |                    |      |       |      |      |      |   |   | 26.6 A       |       |      |      |                     |                                |                               |     |     |     |
| REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION                                                                                   |                               |  |  |                    |      |       |      |      |      |   |   |              |       |      |      |                     |                                |                               |     |     |     |



|                                             |
|---------------------------------------------|
| CONNECT TO NEARBY LTI<br>DAISY CHAIN POWER. |
| CONNECT TO NEARBY LTI<br>DAISY CHAIN POWER. |
| CONNECT TO NEARBY LTI<br>DAISY CHAIN.       |
| CONNECT TO NEARBY LTI<br>DAISY CHAIN POWER. |
| CONNECT TO NEARBY LTI<br>DAISY CHAIN POWER. |

PROJECT:

# MERRILLVILLE HIGH SCHOOL CULINARY AND MEETING AREA RENOVATIONS

MERRILLVILLE COMMUNITY  
SCHOOL CORPORATION  
276 E 68TH PLACE  
MERRILLVILLE, IN, 46410

BID SET

GIBRALTAR DESIGN

4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46268  
Homepage: [www.GibraltarDesign.com](http://www.GibraltarDesign.com)  
Email: [info@GibraltarDesign.com](mailto:info@GibraltarDesign.com)  
Phone 317.580.5777 Fax 317.580.5778

PROJECT  
25-181  
DATE  
07/14/26  
COORDINA  
RH  
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DJ



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## DRAWING ELECTRICAL SCHEDULES

PROJECT  
MERRILLVILLE HIGH SCHOOL  
CULINARY AND MEETING AREA  
RENOVATIONS

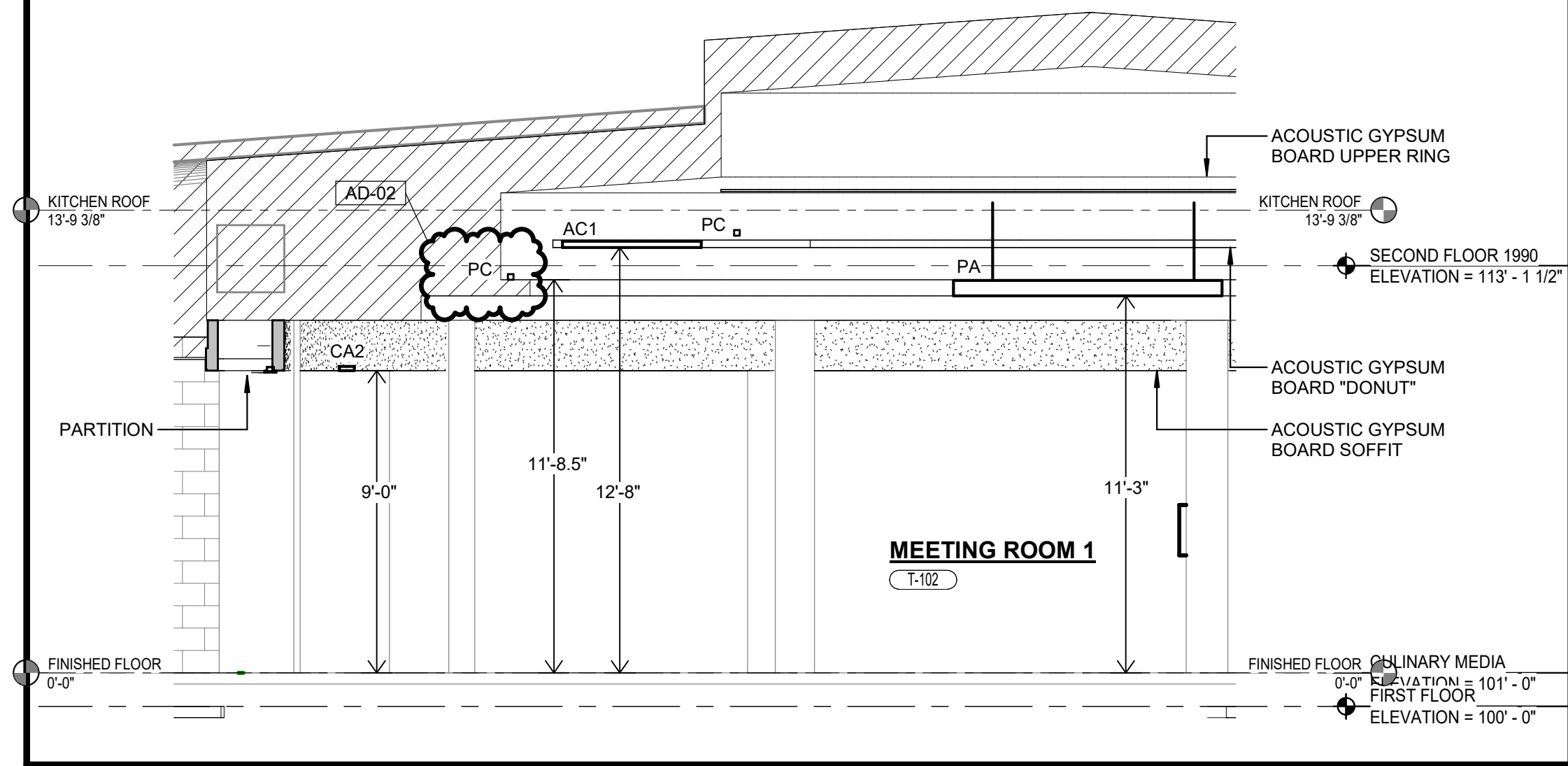
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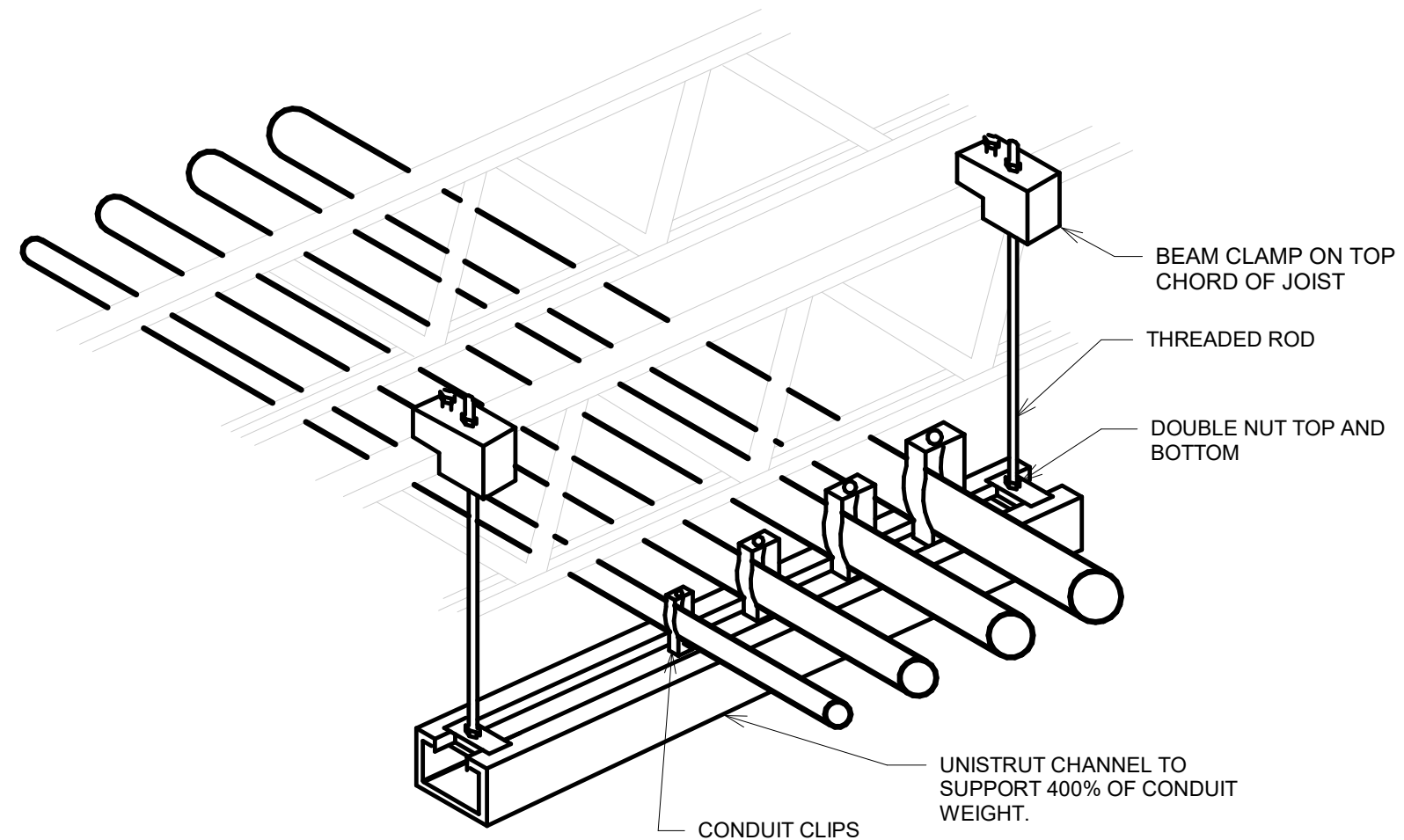
**E-503**



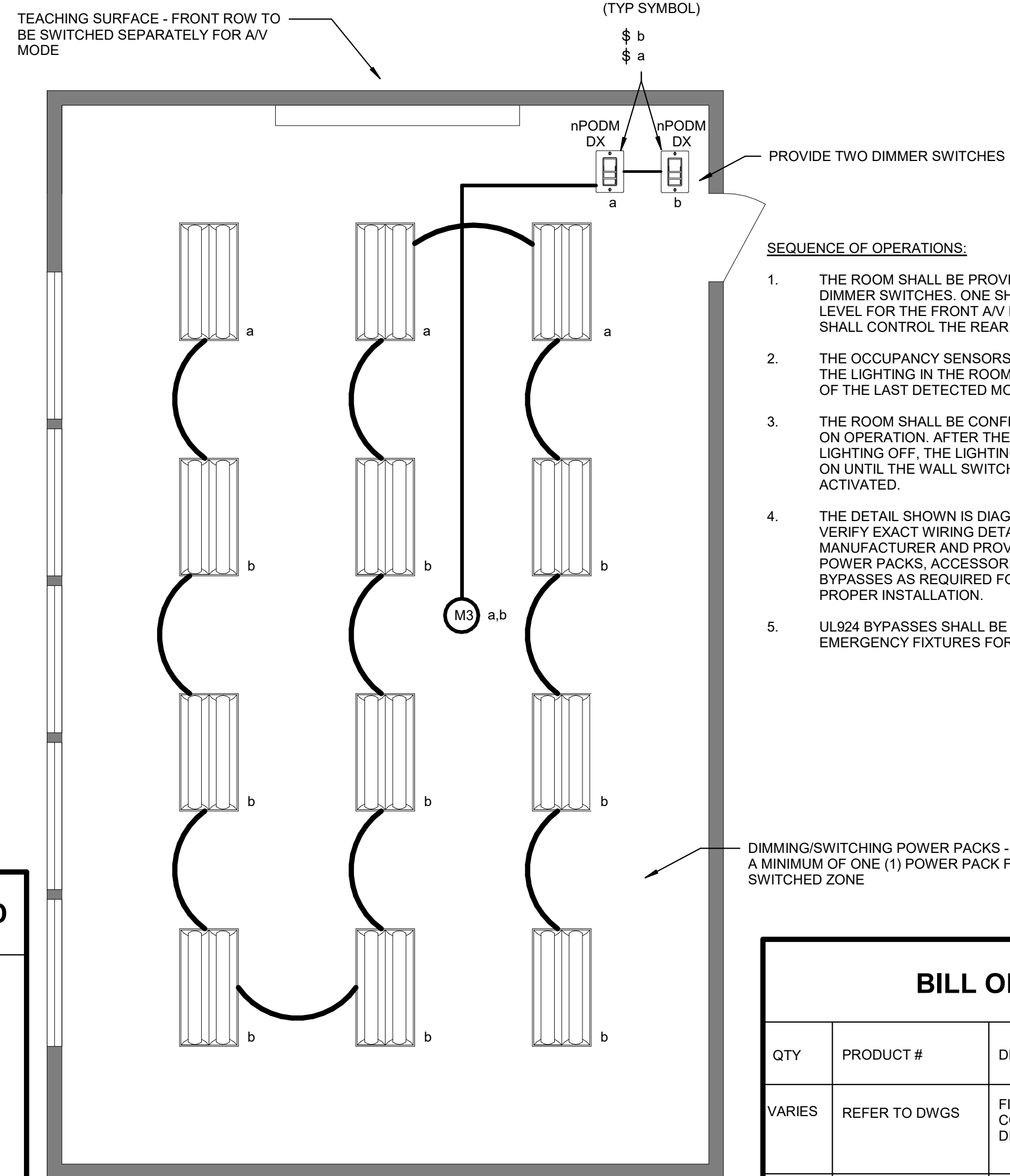
## SECTION 04 - MEETING ROOM 1



## 2 1/2" AND LARGER CONDUIT SUPPORT DETAIL



## TYPICAL CLASSROOM WIRED LOW VOLTAGE CONTROL SYSTEM



### NOTES:

1. THE LIGHTING CONTROL SYSTEM SHALL BE A LOW VOLTAGE STAND ALONE ACUITY N-LIGHT WIRED SYSTEM COMPLETE WITH KEYPADS, SENSORS, POWER PACKS, EMERGENCY ACCESSORIES, ETC. SYSTEM TO BE PROVIDED WITH COMPONENTS AND ACCESSORIES AS REQUIRED TO PROVIDE FUNCTIONALITY PER THE CONTRACT DOCUMENTS AND IECC REQUIREMENTS.
2. LIGHTING CONTROL EQUIPMENT WILL BE CONSIDERED FROM THE FOLLOWING MANUFACTURERS: HUBBELL CONTROLS, LEVITON, LUTRON OR CRESTRON. THE SUBMITTED LIGHTING CONTROL SYSTEM SHALL PROVIDE FULL LIGHTING CONTROL FUNCTIONALITY AS SPECIFIED.
3. BECAUSE OF DIFFERENCES BETWEEN MANUFACTURERS, DIAGRAMS SHOWN ARE DIAGRAMMATIC AND MAY NOT SHOW ALL PARTS AND ACCESSORIES REQUIRED. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH LIGHTING CONTROL MANUFACTURER AND CONTRACT DOCUMENTS. CONTRACTOR SHALL PROVIDE ALL PARTS AND ACCESSORIES REQUIRED FOR A COMPLETE AND PROPERLY OPERATING SYSTEM AS SHOWN ON CONTRACT DOCUMENTS. VERIFY ALL CONDITIONS AND REQUIREMENTS, COMPLETE AS REQUIRED.
4. NO EXTRAS SHALL BE ALLOWED AFTER BIDDING FOR NOT FULLY UNDERSTANDING THE SCOPE OF WORK INVOLVED OR TO FULLY ACCOMPLISH THE SWITCHING SCHEME SHOWN ON THE CONTRACT DOCUMENTS.
5. UL924 BYPASS DEVICES SHALL BE PROVIDED FOR ALL FIXTURES WITH AN EMERGENCY SOURCE OF POWER THAT IS SWITCHED. THE UL924 BYPASS SHALL PROVIDE BYPASS FOR BOTH THE POWER AND CONTROL SIGNAL. COMPLETE AS REQUIRED.
6. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED. CABLING ROUTED IN CONCEALED AREAS SHALL BE ROUTED NEATLY EXPOSED WITHIN J-HOOKS. CABLING LOCATED IN EXPOSED CEILINGS SHALL BE CONCEALED IN NEATLY ROUTED CONDUIT. LOW VOLTAGE CABLING INSTALLATION SHALL FULLY MEET LOCAL CODE REQUIREMENTS.
7. ALL SWITCHES IN RESTROOMS, STORAGE CLOSETS, MECHANICAL/ELECTRICAL ROOMS AND OTHER BACK OF HOUSE SPACES SHALL BE N-LIGHT ON/OFF SWITCHES. ALL OTHER SWITCHES SHALL BE N-LIGHT LOW VOLTAGE DIMMER SWITCHES AND SHALL PROVIDE FIXTURE DIMMING FUNCTIONALITY.

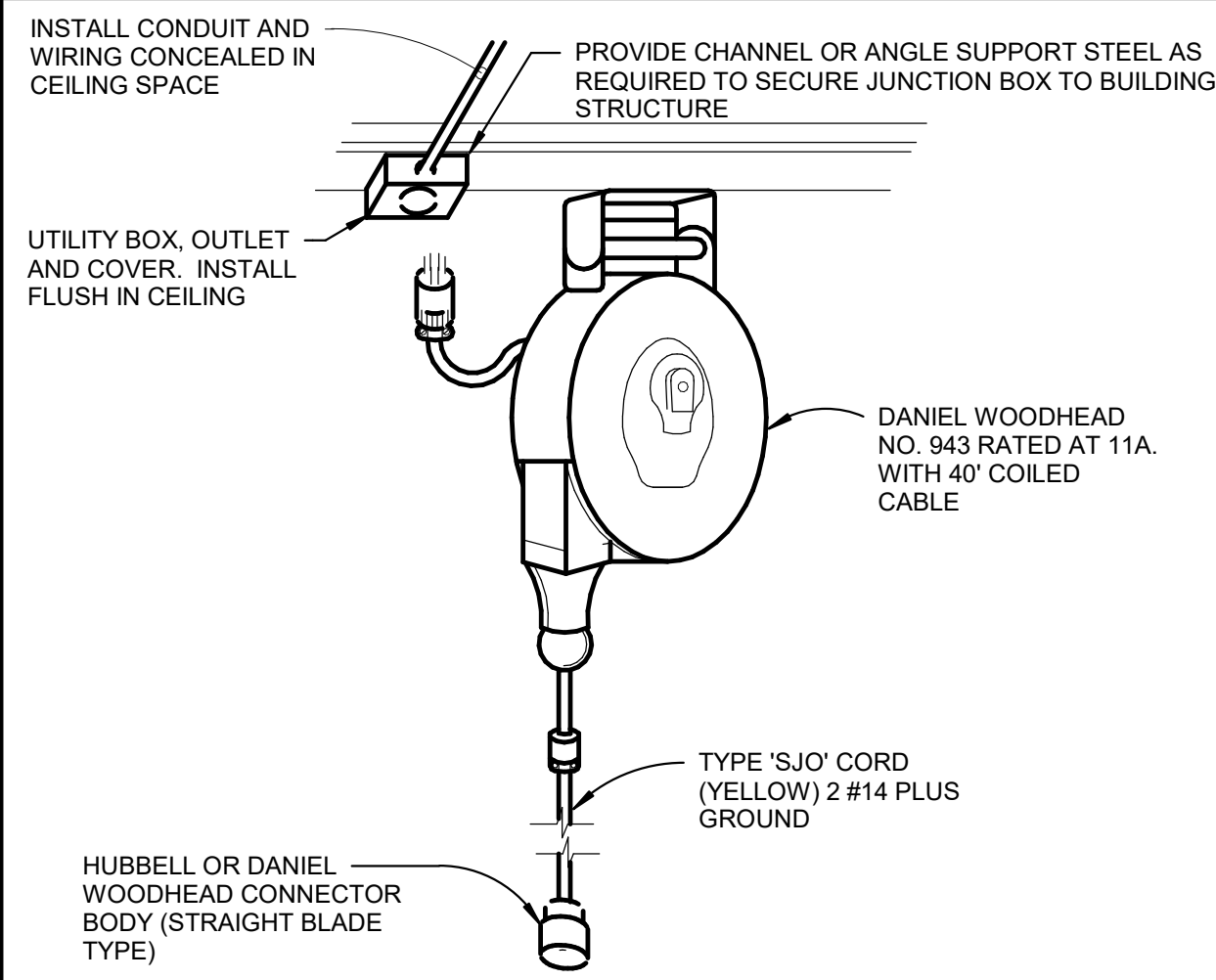
### DIAGRAM LEGEND

- CAT-5e CABLE (IN CONDUIT AS REQUIRED)
- LINE VOLTAGE WIRES AND DIMMING LEADS TO POWER PACKS
- LINE POWER

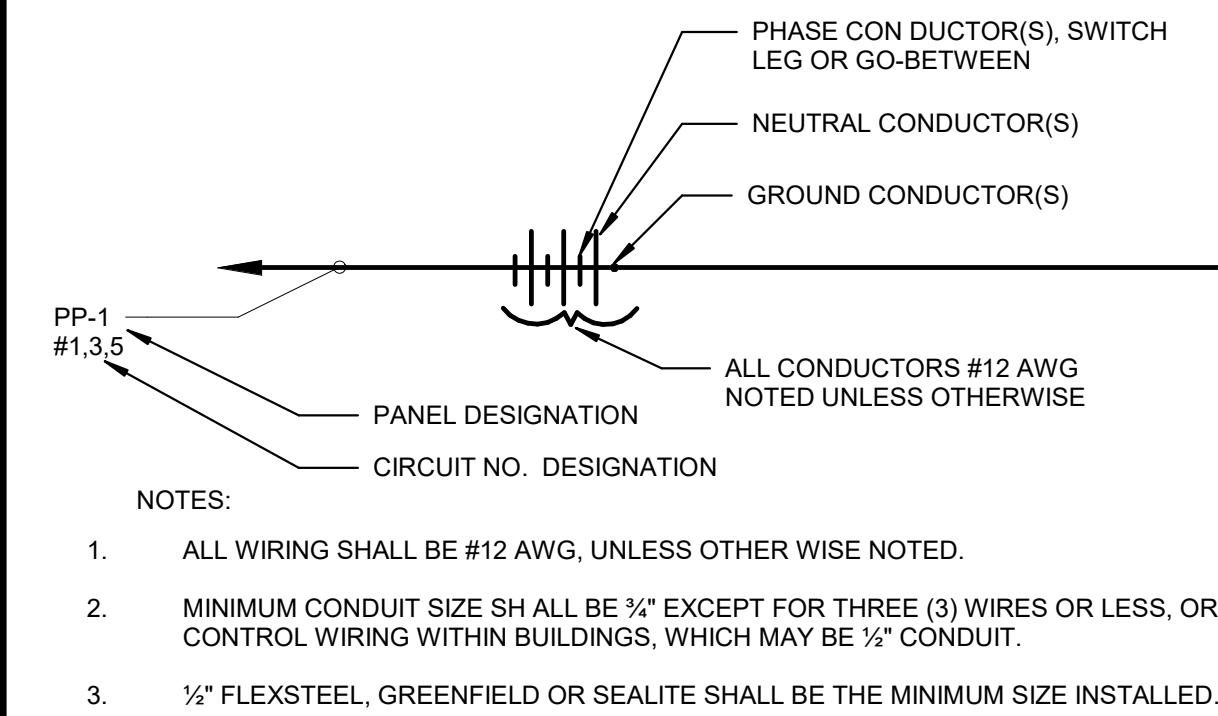
### BILL OF MATERIAL

| QTY    | PRODUCT #     | DESCRIPTION                                                            |
|--------|---------------|------------------------------------------------------------------------|
| VARIES | REFER TO DWGS | FIXTURES WITH N-LIGHT POWER PACK CONNECTION TO POWER AND DIMMING LEADS |
| VARIES | nPODM DX      | ON/OFF & RAISE/LOWER WALL POD                                          |

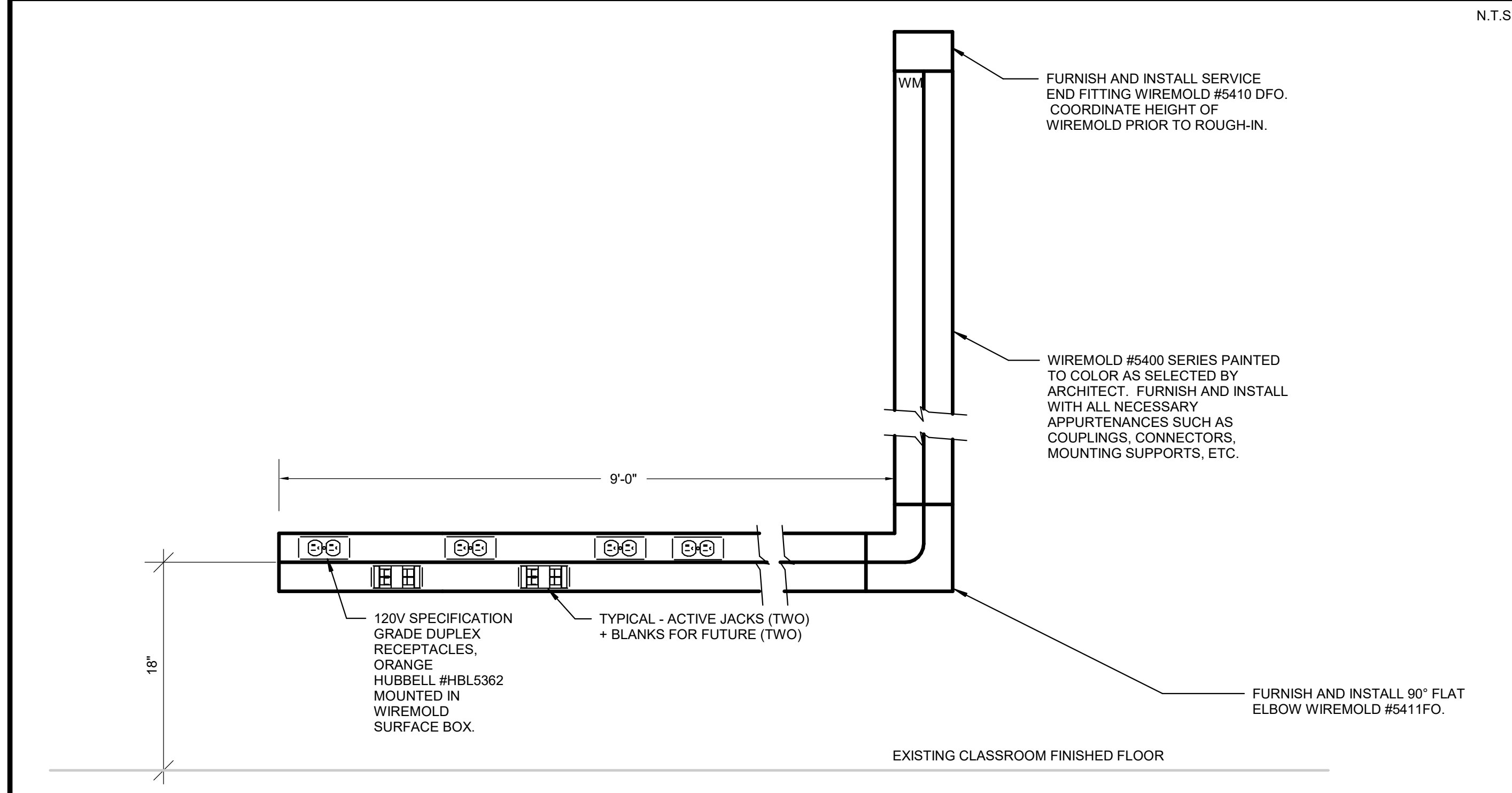
## ELECTRIC CORD REEL DETAIL



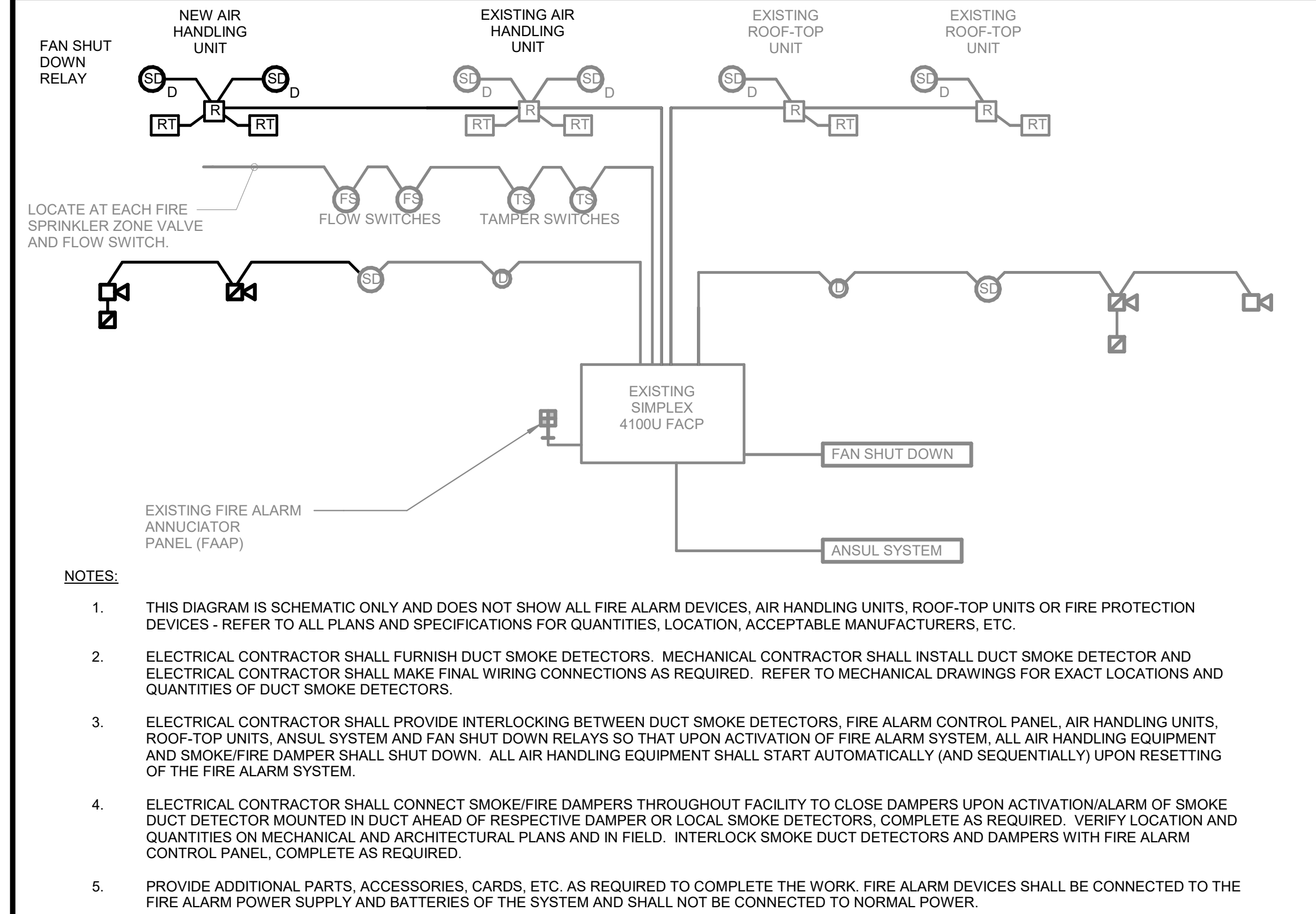
## KEY TO ELECTRICAL CIRCUIT WIRING



## WIREMOLD DETAIL



## FIRE ALARM SCHEMATIC RISER DIAGRAM



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PROJECT:

**MERRILLVILLE  
HIGH SCHOOL  
CULINARY AND  
MEETING AREA  
RENOVATIONS**

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276 E 68TH PLACE  
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BID SET

**GIBRALTAR DESIGN**

4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46268  
Homepage: [www.GibraltarDesign.com](http://www.GibraltarDesign.com)  
Email: [info@GibraltarDesign.com](mailto:info@GibraltarDesign.com)  
Phone 317.580.5777 Fax 317.580.5778

PROJECT  
25-181

DATE  
07/14/26

COORDINATED BY  
RH

DRAWN BY  
BR

CHECKED BY  
DJ

PROFESSIONAL ENGINEER

STATE OF INDIANA

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REVISIONS

MARK DATE

AD-02 07/31/26

ISSUED FOR  
ADDENDUM 02

DRAWING  
ELECTRICAL DETAILS &  
DIAGRAMS

PROJECT  
MERRILLVILLE HIGH SCHOOL  
CULINARY AND MEETING AREA  
RENOVATIONS

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**E-603**



| TECHNOLOGY SYMBOL LIST                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SECURITY                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    | CARD ACCESS CONTROLLER - PROVIDE BACK BOX MOUNTED 42" A.F.F. WITH 3/4"C. ROUTED TO THE ACCESSIBLE CEILING SPACE. REFER TO THE DOOR ACCESS DETAIL FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                                                                                  |
|    | ELECTRIC DOOR STRIKE - STUB 3/4" CONDUIT FROM THE ACCESSIBLE CEILING SPACE TO THE DOOR MULLION FOR WIRING. INTERFACE WIRING FROM THE DOOR STRIKE TO THE DOOR ACCESS SYSTEM FOR A COMPLETE AND PROPERLY OPERATING SYSTEM.                                                                                                                                                                                                                                                      |
|    | SURVEILLANCE CAMERA -INTERIOR CEILING MOUNTED DOME CAMERA - PROVIDE 2-GANG BACK BOX WITH DUPLEX DATA OUTLET WITH 3/4"C. ROUTED TO THE ACCESSIBLE CEILING SPACE. REFER TO THE DUPLEX DATA OUTLET SYMBOL FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                            |
|    | SURVEILLANCE CAMERA - INTERIOR WALL MOUNTED DOME CAMERA - PROVIDE 2-GANG BACK BOX WITH DUPLEX DATA OUTLET WITH 3/4"C. ROUTED TO THE ACCESSIBLE CEILING SPACE. REFER TO THE DUPLEX DATA OUTLET SYMBOL FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                              |
|    | SECURITY SYSTEM DOOR CONTACT - ROUGH-IN ONLY - ROUTE 3/4"C FROM THE ACCESSIBLE CEILING SPACE AND STUB INTO THE DOOR MULLION.                                                                                                                                                                                                                                                                                                                                                  |
|    | EXTERIOR 180 DEGREE SURVEILLANCE CAMERA - PROVIDE EXTERIOR CAMERA WITH WALL MOUNT BRACKET, HEATER AND DOME - MOUNTED 12" A.F.F. VERIFY HEIGHT IN FIELD. PROVIDE 2-GANG BACK BOX WITH ISOLATION PARTITION TO PROVIDE LOW VOLTAGE AND 150V IN SAME BACK BOX. COORDINATE EXACT BACK BOX CONFIGURATION WITH CAMERA MOUNT TO ENSURE BACK BOX IS LOCATED CONCEALED BEHIND ARM MOUNTING PLATE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.                                   |
|    | DISPLAY CAMERA CANNON CR-N300 - INTERIOR CEILING MOUNTED PTZ CAMERA - PROVIDE DUPLEX OUTLET MOUNTED IN A STAINLESS STEEL CEILING TILE COVER PLATE. PROVIDE SEPARATE 2-GANG BACK BOX WITH HDMI INPUT. ROUTE 4K HDMI CABLE FROM THIS COVER PLATE, THROUGH THE CONDUIT TO THE TEACHING STATION AND LEAVE 10' SLACK LENGTH FOR CONNECTION TO THE TEACHER'S PC.                                                                                                                    |
| COMMUNICATIONS                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    | DUPLEX DATA OUTLET - WITH 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING - MOUNTED 18" A.F.F. WHEN MOUNTED ADJACENT TO AN ELECTRICAL RECEPTACLE OR AS NOTED. PROVIDE CAT-6 PLENUM CABLE, FROM EACH JACK, TO NEAREST IDF OR MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.                                                                                                                            |
|    | DUPLEX DATA OUTLET FOR WIRELESS ACCESS POINTS - LOCATED ABOVE ACCESSIBLE CEILING SPACE AND 6" ABOVE THE GRID OR TIGHT TO THE ROOF DECK WHERE NO CEILINGS EXIST. PROVIDE 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. PROVIDE CAT-6 PLENUM CABLE, FROM EACH JACK, TO NEAREST MDF OR IDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 CAT-6 JACK. TEST AND LEAVE 10' SLACK LENGTH.                                                           |
|    | FLUSH IN WALL "TV" PANEL CONSISTING WITH SEPARATE 2-GANG BACK BOX WITH DATA JACK AND CABLING BACK TO IDF/MDF AS INDICATED IN THE DATA JACK SYMBOL. STUB 1" CONDUIT TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT DEVICE 7'-0" A.F.F. AND COORDINATE MOUNTING HEIGHT WITH THEATRICAL ELEVATIONS.                                                                                                                                                                   |
|    | WALL MOUNTED PROJECTOR LOCATION WITH SEPARATE BACK BOX WITH LOW VOLTAGE JACKS AND COVERPLATE. SUPPORT STRUCTURE WITH UNISTRUT AS REQUIRED. SEE TEACHER STATION AND PROJECTOR DETAIL FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                                               |
|    | CEILING MOUNTED PROJECTOR LOCATION WITH SEPARATE BACK BOX WITH LOW VOLTAGE JACKS AND COVERPLATE. SUPPORT BOXES FROM STRUCTURE WITH UNISTRUT AS REQUIRED. SEE TEACHER STATION AND PROJECTOR DETAILS FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                                |
|    | WIREMOLD #RFB44 SERIES FLUSH FLOOR BOX WITH TWO (2) DATA JACKS. PROVIDE CAT-6 PLENUM CABLE, FROM EACH JACK, TO NEAREST IDF OR MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH. STUB 1-1/4" CONDUITS FROM THE LOW VOLTAGE SECTION OF THE OF THE BOX TO THE ACCESSIBLE CEILING SPACE. PROVIDE SCRUB-RESISTANT COVER AND COORDINATE FINISH WITH ARCHITECT.                                                                           |
|    | AV CEILING SPEAKERS - WITH AIR PLENUM BACK BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT IN SURFACE BOX WHERE NO CEILINGS EXIST. REFER TO LOW VOLTAGE GENERAL NOTES FOR ADDITIONAL INFORMATION ON MEETING ROOM AV SYSTEM.                                                                                                                                                                                                                    |
|    | INTERCOM CEILING SPEAKERS - WITH AIR PLENUM BACK BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT IN SURFACE BOX WHERE NO CEILINGS EXIST. PROVIDE WHITE ATLASIED SD7W 8" DUAL CONE RECESSED CEILING MOUNTED LOUDSPEAKER WITH TRANSFORMER AND BAFFLE. EXTEND MANUFACTURER'S REQUIRED WIRING TO THE EXISTING INTERCOM SPEAKER NETWORK IN THIS AREA AND CONNECT. PROVIDE ALL PROGRAMMING AS REQUIRED TO INTERFACE TO THE EXISTING INTERCOM SYSTEM. |
|  | INTERCOM PRIVACY CALL-IN SWITCH - MOUNTED 42" A.F.F. PROVIDE 2-GANG BACK BOX WITH SINGLE GANG MUD RING WITH 3/4" CONDUIT ROUTED TO THE ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                   |
|  | WALL MOUNTED DIGITAL CLOCK/SPEAKER UNIT. PROVIDE BACK BOX WITH 3/4" CONDUIT ROUTED TO THE ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                                                                     |
|  | TEACHER PANEL WITH TWO (2) DUPLEX RECEPTACLES. SEE TEACHER STATION AND PROJECTOR DETAIL FOR ADDITIONAL INFORMATION. REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.                                                                                                                                                                                                                                                                                                    |
|  | CARD ACCESS WIRELESS HUB. PROVIDE 1 CAT6 DATA, AND 1 120V POWER CONNECTION. PROVIDE (2) #14 TO ASSOCIATED PANIC HARDWARE.                                                                                                                                                                                                                                                                                                                                                     |
|  | CEILING MOUNTED "TV" PANEL LOCATION WITH SEPARATE 2-GANG BACK BOX WITH DATA JACK AND CABLING BACK TO IDF/MDF AS INDICATED IN THE DATA JACK SYMBOL. SUPPORT BOXES FROM STRUCTURE WITH UNISTRUT AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR SUPPORT.                                                                                                                                                                                                                       |

| LOW VOLTAGE GENERAL NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| 1.00 PART 1 - GENERAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.06 SUBMITTALS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.01 SCOPE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A. Furnish complete shop drawings on the various components of the system. These submittals shall include but not be limited to the following:                                                                                                                                                                                                                                                                                                                                      |
| A. The General Provisions of the Contract, including Conditions of the Contract and Division 1 of the Contract Documents, apply to the work in this section.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1. Marked catalog sheets indicating part numbers and manufacturer.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| B. Electrical Work General Provisions shall apply to the work specified in this section.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2. Riser diagram for entire data/telephone wiring system.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1.02 SCOPE OF WORK:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3. Each drawing shall have a descriptive title and subparts of each drawing shall be completely described. Drawings shall have the name of the project and electronics contractor in the title block.                                                                                                                                                                                                                                                                               |
| A. The contractor shall furnish equipment and labor necessary for and reasonably incidental to the complete installation of the communications systems as outlined in the following contract documents including, but not limited to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4. Prior to final acceptance, submit three complete copies of an operating and maintenance manual for the systems.                                                                                                                                                                                                                                                                                                                                                                  |
| 1. Data wiring systems.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.07 DATA AND TELEPHONE STATION OUTLETS:                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2. AV switching matrix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A. Provide a flush mounted modular data or telephone RJ45 jack to fit in a single gang box or in surface raceway for an 8-position/8-conductor configuration. The outlets shall meet transmission performance contract documents for category 6 as presented in EIA/TIA TSB-36 and TSB-40. The RJ45 jacks shall be keyed T568B.                                                                                                                                                     |
| B. Installation of the systems shall be as outlined in the following contract documents, including but not limited to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1. Data and telephone jacks shall be of one (1) manufacturer.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1. Submission of shop drawings, catalog sheets and samples for approval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2. The final installation shall be tested to meet the installed system overhead as published in literature from Panduit Corporation. Installation not meeting this requirement shall be completely removed and reinstalled with new product until these variables are met at frequencies.                                                                                                                                                                                           |
| 2. Verification of dimensions and conditions at project site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B. Data frames shall contain 1-4 modular openings. These units to be the same manufacturer as the jacks.                                                                                                                                                                                                                                                                                                                                                                            |
| 3. Installation in accordance with contract documents, manufacturer's recommendations and applicable code requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.08 DEVEICE COLOR SELECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 4. Initial test and adjustments, written report, demonstration of systems for approval, participation in acceptance tests, final adjustments as required, and submission of final diagrams and Owner's manuals. Demonstration must be videotaped and two (2) copies provided to the Owner's Representative.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A. Determination of colors of devices provided within this section shall be made during the shop drawing process.                                                                                                                                                                                                                                                                                                                                                                   |
| 5. Instruction of operating personnel. Provide a minimum of 4 hours of demonstration and instruction.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.09 PATCH PANELS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 6. Maintenance services for one (1) year following acceptance of systems.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A. Provide 48 port 110 patch panels that meet transmission performance for category 6 or level 7 as outlined in EIA/TIA TSB-36 and TSB-40. The RJ45 jacks shall be keyed T568B (WECO). Provide 40% expansion capability.                                                                                                                                                                                                                                                            |
| 7. Auxiliary panels, etc. shall be stainless steel. Also, silkscreen graphics shall be provided as designed and approved.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1. Standard: Panduit.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| C. Provide an AV switching system that is stand alone for the meeting spaces:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B. Provide both horizontal and vertical wire management devices to properly restrain and organize cables prior to installation. Provide one (1) for each patch panel.                                                                                                                                                                                                                                                                                                               |
| 1. The switching matrix shall be capable of handling 10 inputs and providing 10 outputs. Every input station (located below each TV - see floor plan) shall have an HDMI cable run back to the master AV station for connection. Where the quantity of AV inputs exceeds the available inputs, the owner shall verify what locations are to be connected in the field and the remaining inputs shall be left, coiled neatly, for future connection if desired. Every TV and projector shall have an HDMI cable run back to the master AV station for connection. Where the quantity of AV outputs exceeds the available outputs, the owner shall verify what locations are to be connected in the field and the remaining outputs shall be left, coiled neatly, for future connection if desired. DTP converters shall be provided at the switching matrix for connection to the DTP inputs and outputs. Additionally, each TV shall have a separate HDMI connection to the input station below the TV and the projector shall have 2 HDMI inputs run to two of the input stations to be determined by the owner in field. The speaker system shall also be connected to one of the switching matrix inputs and the wireless microphone shall be connected to one of the switching matrix inputs. | 2. Provide sufficient patch panels plus 40% expansion required to distinctly separate devices into the categories below. Verify with the owner prior to installing, and label all patch panels for each use.                                                                                                                                                                                                                                                                        |
| 2. The touch screen controllers shall be capable of selecting any connected input and connecting it to any output in the space as well as selecting which input's sound is projected from the speaker system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | a. Wireless access point outlets                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3. The TV input stations shall either be two adjacent back boxes with the quad outlet and data components in their own common cover plates with the data and 2 HDMI connections or shall be a single component with low voltage separators.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | b. Cameras & Security                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| D. Switching System:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | c. Data outlets & other misc. devices                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1. Provide electrical boxes, conduit as required for the AVD system equipment. Furnish audio, video and data systems wiring and receptacles as indicated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.10 DATA AND TELEPHONE CABLE:                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| A. The access panels below each tv shall contain the devices shown in the meeting input station detail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A. Twisted pair (STP) extended distance plenum rated Lan cable ISOC 24 AWG category 6 or level 7, solid bare CU, TER insulation, Flammest KJIT, 4 pair, UL type CMP with transmission characteristics that exceed those in EIA/TIA TSB-36 and TSB-40 (category 6) and NEMA loss extended frequency 2. UTP cable may be provided for individual systems (Cameras, Data Jacks, etc) with written approval from the owner's vendors for each system. Provide a credit for any changes. |
| B. TV Panels - shall contain the devices shown in the meeting TV detail.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1. The data and telephone cables shall be terminated at each outlet and on rack mounted patch panels in each IDF and the MDF.                                                                                                                                                                                                                                                                                                                                                       |
| C. The panels shall be under a common cover plate and finished as directed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2. The telephone cables terminating in each IDF and MDF shall be cross connected to rack mounted patch panels with CAT-6 jacks.                                                                                                                                                                                                                                                                                                                                                     |
| D. All HDMI ports and cables shall be 4K Ultra HDMI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3. The final installation shall be tested to meet the installed system overhead as published in literature from Panduit Corporation. Installation not meeting this requirement shall be completely removed and reinstalled with new product until these variables are met at frequencies.                                                                                                                                                                                           |
| E. Verify colors with Architect during shop drawing phase.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.11 FIBER OPTIC CABLE (Backbone):                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| F. AV System Cabling:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1. Number of fibers                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| A. Provide UltraHD HDMI Cables for the local connections from access panels to their associated TV.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2. Cable construction                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| B. Provide DTP extenders and DTP plenum cabling for all HDMI connections from the access panels or floor boxes or projectors to the AV controller.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3. Jacket material & color:                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 3. AV System:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4. Standard:                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| A. Provide Extron DTP Crosspoint 108 4K Switching Matrix system with 10 inputs and 10 outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5. Approved equal:                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| B. Install all cabling, extenders, etc as required from each location to the switch and verify with the owner which locations shall be connected prior to final programming. Leave the remaining connections with enough spare cable length for future connection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.12 MULTI-PAIR TELEPHONE CABLE:                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| C. Provide (2) 7" touchscreen controllers. Verify final location of these devices in the field. Verify exact locations in field with owner's IT representative and provide mounting hardware as required. Provide back boxes and recessed conduit stubbed into the accessible ceiling space for any wall mounted locations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A. Provide one POTS line from the TTB to the EOC room and one POTS line to the command room. Provide all conduit and wiring. Verify the rough-in location in field with owner's IT representative and verify all cabling and jack requirements with the owner's IT representative. (These are not shown on the drawings).                                                                                                                                                           |
| 4. Speakers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.13 PATCH CORDS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| A. Provide Bose 791 or approved equal ceiling speakers in EOC 22 with wiring, amplifiers, and all required hardware and cabling for connection to one switching matrix output.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A. Provide patch cords as described below and as required prior to submittals.                                                                                                                                                                                                                                                                                                                                                                                                      |
| B. Provide (2) Bose 791 or approved equal ceiling speakers in Command Center 33 with wiring, amplifiers, and all required hardware and cabling for connection to one switching matrix output.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1. Provide (2) Category 6 patch cords per data outlet plus 20% spare, gray color with molded boots. Exact lengths to be determined prior to order, minimum 6'-0".                                                                                                                                                                                                                                                                                                                   |
| 6. Enclosure and Additional Components - typical for both locations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2. Standard: Panduit.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| A. Provide wall mounted rack with locked door and lock with sufficient space for all components and 20% spare.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3. Provide RJ45 to 110 patch cords as required in each MDF compliant with the transmission contract documents.                                                                                                                                                                                                                                                                                                                                                                      |
| B. Provide network switch(es) as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4. Provide fiber patch cords in lengths required. Quantity (4).                                                                                                                                                                                                                                                                                                                                                                                                                     |
| C. Provide Bluetooth and Aux (3.5mm) connectors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5. Standard: Panduit.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| D. Provide processor, amplifiers, patch cords (types as required), DTP extenders, wiring, mounting accessories, cable managers, etc. as required for a complete and operating system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.14 FIBER OPTIC CONNECTOR PANELS:                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| E. Verify all input and output locations with the owner prior to any programming.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A. The fiber optic connector panels shall utilize field installable connectors and shall be mounted in 19" equipment racks.                                                                                                                                                                                                                                                                                                                                                         |
| F. Provide all programming and owner training (minimum 6 hours).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B. The fiber optic connector panels shall accept up to (12) SC type interconnect sleeves.                                                                                                                                                                                                                                                                                                                                                                                           |
| G. Wireless Microphones                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1. Standard: Panduit.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| a. Provide one Shure WL185 lapel microphone and one Shure SLX20/SM58 wireless handheld microphone for each meeting room (5 of each).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.15 FIBER OPTIC TERMINATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| b. Provide charging stations, batteries, transmitters, receivers, antennas, and all additional components as required to interface with the switching matrix.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A. Terminate fiber optic cables at each end utilizing epoxy type connectors.                                                                                                                                                                                                                                                                                                                                                                                                        |
| 7. Meeting room audio system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B. Connections shall utilize an SC type stainless steel with ceramic ferrule and bend limiting strain relief. Plastic or composite interior construction is not acceptable.                                                                                                                                                                                                                                                                                                         |
| A. Refer to sound system specification. Sound system shall be interfaced to the switching matrix.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.16 DATA CABLE FINISHES:                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1.03 STANDARDS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B. Finishes                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| A. The above equipment shall be installed in the conduit systems as indicated on the contract documents and hereinafter specified. The manufacturer's distributor shall guarantee the entire system for two (2) years against defects in material and workmanship.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1. Cameras - YELLOW                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| B. Individual panels, housings and the entire system shall bear the label of Underwriters' Laboratories. Provide a complete set of operating instructions including circuit diagrams and other information necessary for proper installation, operation, and service maintenance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2. All Other Devices - BLUE                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1.04 FIELD QUALITY CONTROL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.17 INSTALLATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| A. The manufacturer's authorized representative shall perform a quality observation of final installation of systems herein specified and, in presence of contractor and Owner's Representative, perform a functional test of each system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A. Conduit, J-boxes, and raceways required for the computer data/telephone wiring system shall be provided and installed.                                                                                                                                                                                                                                                                                                                                                           |
| B. A written system certification verifying proper system operation shall be required prior to acceptance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B. Conduits for the station outlets shall be installed from the outlet box and terminate above ceilings, with insulated bushings.                                                                                                                                                                                                                                                                                                                                                   |
| C. Show satisfactory evidence of maintaining a service organization capable of furnishing adequate observation and service to equipment and be prepared to offer service contract for maintenance of system after guarantee period.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C. Verify that the computer data wiring runs do not exceed 90 meters prior to installation.                                                                                                                                                                                                                                                                                                                                                                                         |
| 2.00 DATA WIRING SYSTEMS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D. Underground installations:                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2.01 DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1. Provide underground warning tape along entire conduit length where not concrete-encased.                                                                                                                                                                                                                                                                                                                                                                                         |
| A. Provide devices and wiring for installation of the computer/data/telephone wiring system as described herein and as shown on the contract documents.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2. Provide copper conductor for use with toning location in conduit systems where only nonmetallic fiber optic cables are installed.                                                                                                                                                                                                                                                                                                                                                |
| B. Cabling, risers, station wiring, cross connects, outlets, patch panels and necessary devices shall conform to Category 6 or Level 7 standards as defined in EIA/TIA-568B, TSB-36 and TSB-40. All cabling shall be Category 6 unless specifically noted otherwise.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.18 AC POWER:                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| C. Contract documents are written for a Panduit/Panduit connectivity solution. Connectivity solutions manufactured by Leviton/Berk-Tek, Superior Essex/Otronics, and Hubbell shall be considered equal if the equipment submitted is equal in each respect.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A. Each cabinet shall be provided with two (2) 120 volt, 20 amp dedicated isolated ground circuits with outlet per diagram.                                                                                                                                                                                                                                                                                                                                                         |
| 2.02 WORK BY OTHERS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | B. At the telephone MDF install four (4) dedicated 120 volt, 20 amp isolated ground circuits on outlets per diagram.                                                                                                                                                                                                                                                                                                                                                                |
| A. The Owner shall furnish and install the LAN file servers, network switches, and network electronics.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.19 LABELS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2.03 QUALITY ASSURANCES:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A. Computer data and telephone outlets shall be clearly machine labeled.                                                                                                                                                                                                                                                                                                                                                                                                            |
| A. Items including wiring and required accessories for the data and telephone wiring system shall be designed to operate as a complete integrated system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | B. Verify all labeling requirements and standards with owner's IT representative prior to proceeding.                                                                                                                                                                                                                                                                                                                                                                               |
| B. The system shall meet or exceed applicable state and local codes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C. Prior to installation of cabling, obtain approved room numbering legend. Do not terminate cable prior to receiving written instructions as to labeling sequence. Cable terminated prior to receiving these written instructions shall be reterminated at no additional cost.                                                                                                                                                                                                     |
| C. The data and telephone network wiring system shall meet U.L. standards.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2.20 DATA AND TELEPHONE STATION OUTLETS:                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| D. Provide information indicating a minimum of five (5) years experience and a minimum of twenty (20) installations of this size and scope.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A. Each RJ45 jack shall have one (1) 4 pair cable terminated at the outlet and the termination cabinet.                                                                                                                                                                                                                                                                                                                                                                             |
| 2.04 REQUIRED BID DOCUMENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B. Four (4) pair UTP shall be terminated on a patch panel in the IDF or MDF.                                                                                                                                                                                                                                                                                                                                                                                                        |
| A. Submit with their bid the following additional information to determine the most responsive proposal to these contract documents:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C. Provide quantity of RJ45 jacks as shown on the contract documents.                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1. Documentation to support the experience requirements listed above. This documentation shall include the name of the project, contact person with telephone number, contract dollar amount, total data outlets, total telephone outlets, category of cable and project completion date. Failure to submit this required information may result in rejection of bid.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.21 TESTING:                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| B. Submit with their bid the name and registration number of the RCDD on staff.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A. UTP plenum rated cable shall be tested utilizing a Microtest Omnicanner or equivalent test instrument. Test results shall be provided in print and on CD-ROM for review.                                                                                                                                                                                                                                                                                                         |
| C. Submit proper documentation to prove manufacturer's certification for installation of products herein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | B. Fiber optic cables shall be tested for end-to-end attenuation and perform OTDR testing for signature trace documentation and benchmark performance records. Test results shall be provided digitally.                                                                                                                                                                                                                                                                            |
| 2.05 CONDITIONS OF AWARD:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C. Cable found defective or not in compliance with contract documents shall be replaced at no expense within 7 days of determination.                                                                                                                                                                                                                                                                                                                                               |
| A. The contract shall be awarded on the basis of the lowest and most responsive bid proposal complying with the contract documents and the following criteria:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.22 WARRANTY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 1. References.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A. Warranty that the system complies to contract documents and shall issue equipment certification stating that the equipment and connected wiring which form the specified system have a Category 6, 25 year application assurance and extended product warranty certified by the manufacturer and in compliance with EIA/TIA 568, 569 and BICCS1 standards.                                                                                                                       |
| 2. Experience with similar projects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1. Approved manufacturers: Panduit. Submit alternate manufacturers for review minimum 7 days prior to completion of bids.                                                                                                                                                                                                                                                                                                                                                           |
| 3. Compliance with contract documents.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3.00 PART 5 - EXECUTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 4. Financial strength.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3.01 GENERAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A. Furnish equipment, accessories and material required for installation of the systems in accordance with these contract documents.                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B. Components and system shall meet or exceed minimal standards issued by EIA. Work in conjunction with this installation shall meet provisions of National Electric Code and applicable local codes.                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3.02 INSTALLATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A. Provide conduit and wire as shown and as specified in other sections.                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B. Provide equipment as indicated on contract documents. Verify location and orientation prior to rough-in.                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3.03 ADJUSTMENT AND CLEANING:                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A. Clean system equipment and cabinets of dirt and debris.                                                                                                                                                                                                                                                                                                                                                                                                                          |



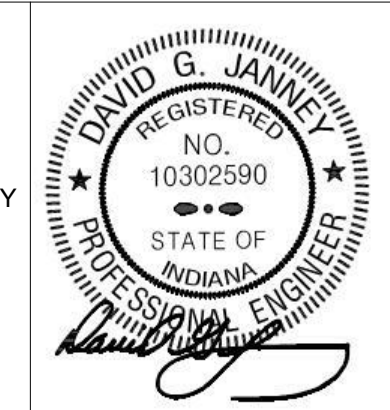
PROJECT:  
**MERRILLVILLE HIGH SCHOOL CULINARY AND MEETING AREA RENOVATIONS**

MERRILLVILLE COMMUNITY SCHOOL CORPORATION  
276 E 68TH PLACE  
MERRILLVILLE, IN. 46410

BID SET

**GIBALTAR DESIGN**  
4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46256  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone 317.580.5777 Fax 317.580.5778

PROJECT 25-181  
DATE 07/14/26  
COORDINATED BY RH  
DRAWN BY BR  
CHECKED BY DJ



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| REVISIONS |          |             |
|-----------|----------|-------------|
| MARK      | DATE     | ISSUED FOR  |
| AD-01     | 07/24/26 | ADDENDUM 01 |
| AD-02     | 07/31/26 | ADDENDUM 02 |

DRAWING  
**TECHNOLOGY NOTES, SYMBOLS & ABBREVIATIONS**

PROJECT  
**MERRILLVILLE HIGH SCHOOL CULINARY AND MEETING AREA RENOVATIONS**

GIBALTAR DESIGN SHEET  
**T-001**

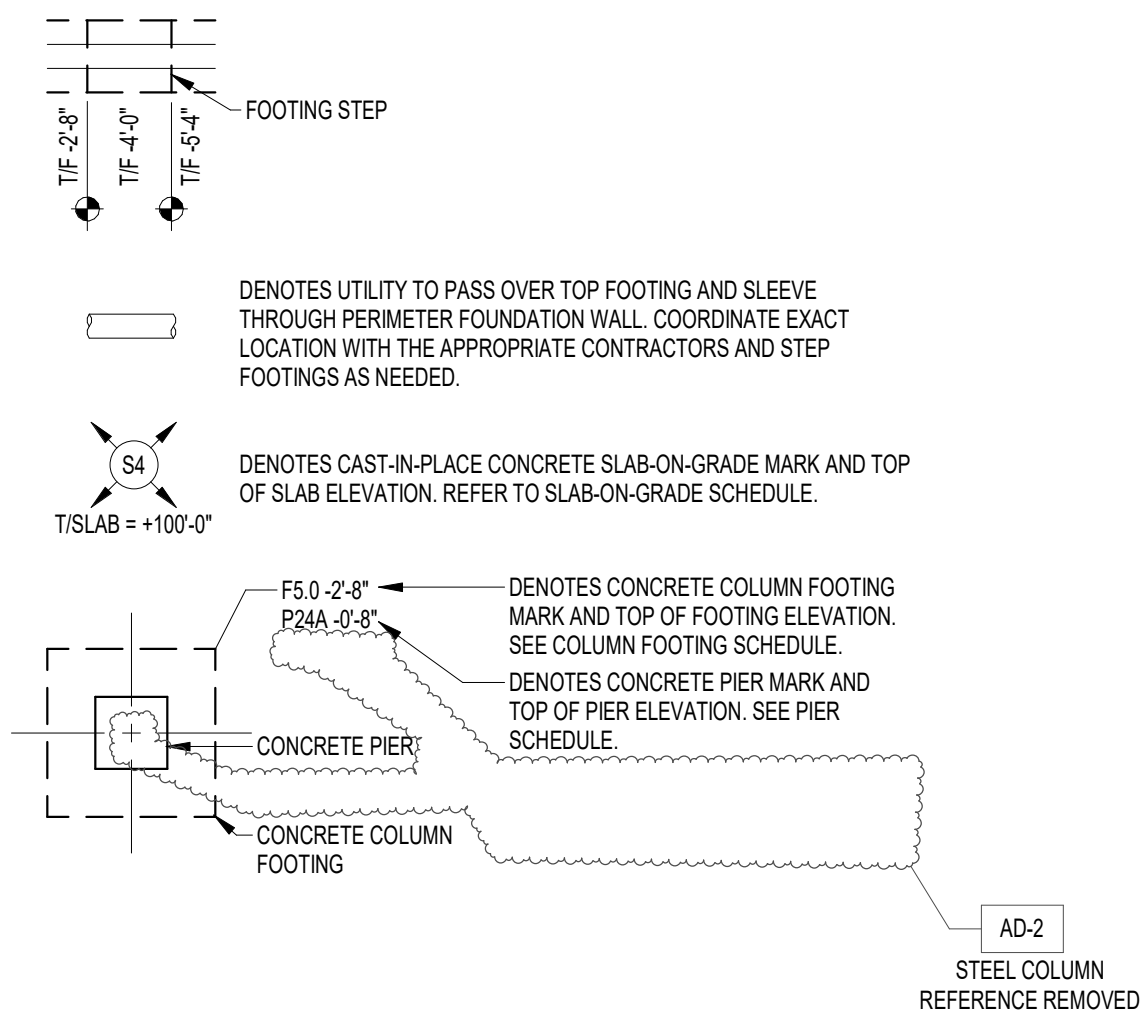




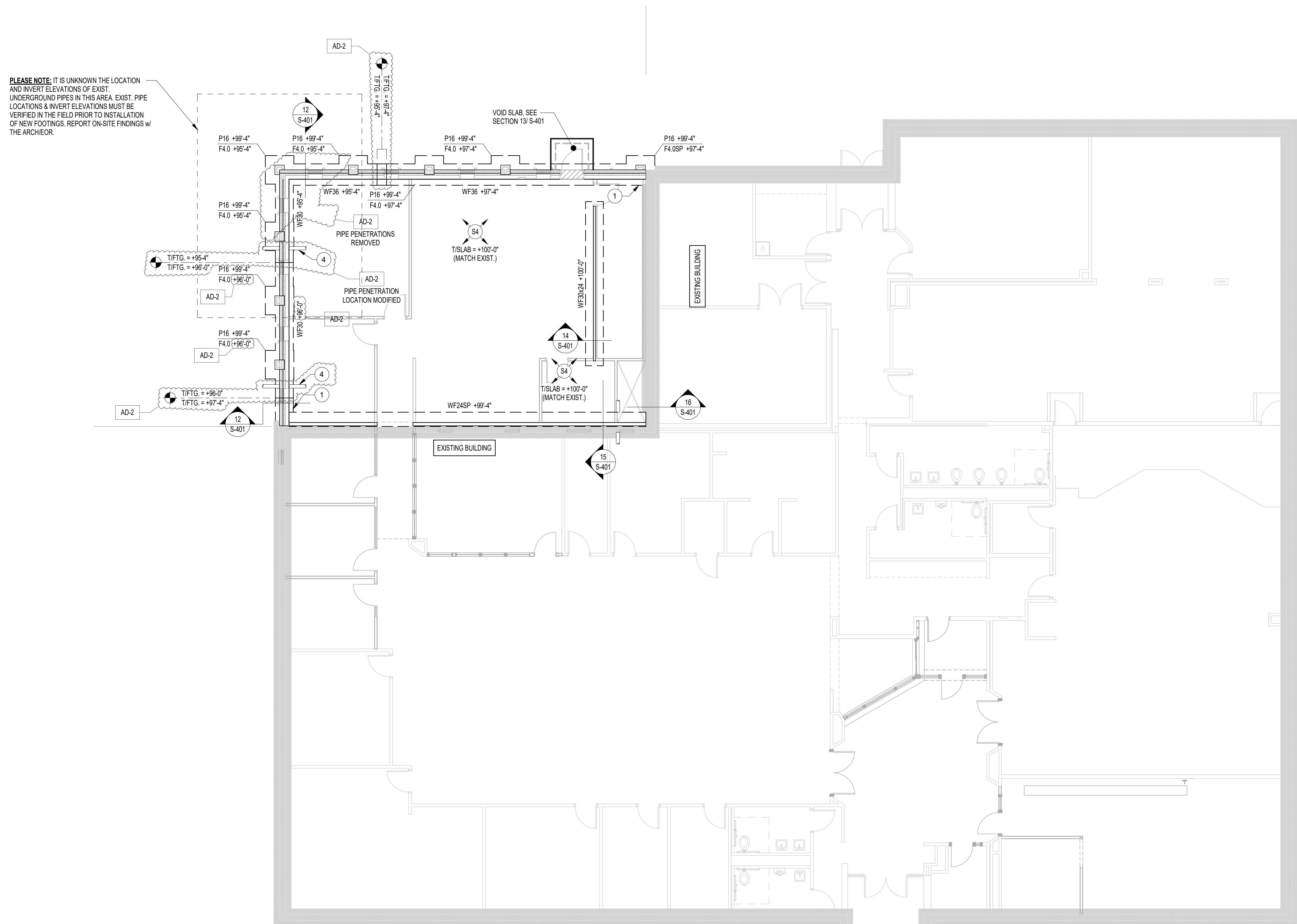


2. REFER TO 4-01 S-500 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
3. REFER TO 4-01 FOR TYPICAL FOUNDATION DETAILS.
4. REFER TO 4-01 FOR TYPICAL MASONRY DETAIL.
5. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE OTHER DISCIPLINES ASPECTS ARE NOT IN THE SCOPE OF THIS DOCUMENT. ANY DISCREPANCIES SHALL BE INDICATED BY THE ARCHITECT.
6. ALL CONSTRUCTION SHALL BE IN PLAN AND SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS, IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
7. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION UNLESS OTHERWISE NOTED.
8. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT IF ANY DISCREPANCIES ARE FOUND.
9. COORDINATE EXACT SIZE & LOCATION OF ALL OPENINGS IN FOUNDATION WITH THE APPROPRIATE CONTRACTOR.
10. ALL FOUNDATIONS SHALL BE CONSTRUCTED ON A CLASS B OR BETTER UNDERGROUND UTILITIES. E.G. SANITARY, STORM, WATER, CONDUNIT BANKS, ETC. THESE LINES HAVE BEEN PROVIDED FOR THE APPROPRIATE LOCATIONS ON THE CONTRACT DOCUMENTS AND NEED TO BE MAINTAINED. APPROVED APPROXIMATE LOCATIONS FOR UNDERGROUND UTILITIES ARE REQUIRED PER THE TYPICAL FOUNDATION STEP DETAIL. IF FOOTINGS ARE TO BE STEPPED DIFFERENTLY THAN WHAT IS SHOWN ON THESE PLANS, THEY SHOULD BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION.
11. ALL FOUNDINGS SHALL BEAR ON APPROVED SOIL. UNDERGRAS AS REQUIRED TO SUITABLE FOUNDATION TYPE. ALL FOUNDATIONS SHALL BE CONSTRUCTED TO THE SAME AGENCY AND REFER TO THE TYPICAL OVERCAVEXATION DETAILS FOR SOILS THAT ARE UNSUITABLE.
12. ALL FOUNDATIONS SUPPORTING MORE THAN ONE COLUMN SHALL BE CENTERED AT THE MIDPOINT BETWEEN THE COLUMNS, UNLESS NOTED OTHERWISE ON COLUMN.
13. WHERE PERS OCCUR WITH A LARGER ARCHITECTURAL PLASTER OR COLUMN FINISH, THE FINISH SHALL BE MATCHED TO THE FINISH OF THE ADJACENT REINFORCING CASE CENTERED ON THE GRID INTERSECTION. FORM OVERLAY TO PROFILE OF THE ARCHITECTURAL PLASTER OR COLUMN INTERSECTION. LAYOUT SHALL BE MATCHED TO THE FINISH OF THE ADJACENT REINFORCING CASE CENTERED ON THE GRID INTERSECTION.
14. FOR ARCHITECTURAL PLASTERS NOT SUPPORTING STEEL COLUMNS, CONSTRUCT AS A FULLY GROUTED MASONRY PER OR CAST-IN-PLACE CONCRETE PER REINFORCED WITH REINFORCING NOTED ON PLANS & SECTIONS.
15. ALL REINFORCING SHALL BE EMBEDDED IN ALL CONCRETE OR MASONRY SOLID.
16. COORDINATE REINFORCING DETAILS FOR COLD JUNCTION REINFORCING WITH REINFORCING NOTED ON PLANS & SECTIONS.
17. ALL REINFORCING SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS. ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS.
18. PROVIDE CONTINUOUS CONCRETE CURB IN SLABS IN MECHANICAL ROOMS. CURBS TO BE 4" HIGH. PROVIDE 2" MIN. THICKNESS FOR COLUMNS, PIPES, STAIRS, ETC. REFER TO THE TYPICAL CONCRETE CURB DETAIL.
19. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CUMI WALLS WITHOUT FOOTINGS. PROVIDE THICKENED SLAB UNDER ALL EXTERIOR CUMI WALLS WITHOUT FOOTINGS. PROVIDE THICKENED SLAB UNDER ALL EXTERIOR CUMI WALLS WITH FOOTINGS.
20. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE. REFER TO THE TYPICAL CONTROL/CONTRACTION JOINT DETAIL AND THE SLAB-ON-GRADE SCHEDULE.
21. PLAN LEGEND.

|           |                                                                                         |
|-----------|-----------------------------------------------------------------------------------------|
| F.F.      | DENOTES FINISH FLOOR.                                                                   |
| D.T.O.    | DENOTES TOP OF FOUNDATION ELEMENT. (FOOTING, PIER, SLAB, ETC.)                          |
| B/X       | DENOTES BOTTOM OF FOUNDATION ELEMENT. (FOOTING, SLAB, ETC.)                             |
| C.J.      | DENOTES SLAB-ON-GRADE CONTROL/CONTRACTION JOINT LOCATION.                               |
| S.I.J.    | DENOTES SLAB ISOLATION JOINT. REFER TO TYPICAL SLAB ISOLATION JOINT DETAIL.             |
| WF30-Z-8" | DENOTES WALL FOOTING MARK AND TOP OF FOOTING ELEVATION. REFER TO WALL FOOTING SCHEDULE. |



- 1 LOWER PORTION OF NEW WALL OR TRENCH FOOTING TO MATCH BOTTOM OF EXIST. WALL AND/OR COLUMN FOOTING AT THIS LOCATION.
- 2 NOT USED.
- 3 CONCRETE STAIRS. REFER TO TYPICAL DETAIL ON S-401. COORDINATE GEOMETRY AND LOCATION OF ARCH. DRAWINGS.
- 4 IDENTIFY APPROX. LOCATION OF PIPE PENETRATION THROUGH FOUNDATION WALL. REFER TO PLUMBING AND STECH/DRAWINGS FOR EXACT SIZE, LOCATION, AND INVERT. SEE DETAIL ON SHEET S-401 FOR STEPPED FOOTINGS, SLEEVES, ETC.
- 5 IDENTIFY NEW EXIST. SLAB. REFER TO DETAIL 16S-401 FOR NEW REINF. EMBED AND SPACING INTO EXIST. CONCL. SLAB.
- 6 IDENTIFY NEW EXIST. SLAB. REFER TO DETAIL 16S-401 FOR NEW REINF. EMBED AND SPACING INTO EXIST. CONCL. SLAB.
- 7 PIPE PENETRATION THROUGH C.P. WALL. SEE DETAIL ON S-401. COORD. INVERT ELEV. W/ MEP DWGS.



PROJECT:

MERRILLVILLE  
CSC CENTRAL  
OFFICE

MERRILLVILLE COMMUNITY  
SCHOOL CORPORATION

6701 DELAWARE ST  
MERRILLVILLE, IN, 46410

**100% CONSTRUCTION  
DOCUMENTS**

GIBRALTAR DESIGN

4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46268  
Homepage: [www.GibraltarDesign.com](http://www.GibraltarDesign.com)  
Email: [info@GibraltarDesign.com](mailto:info@GibraltarDesign.com)  
Phone 317.580.5777 Fax 317.580.5778

PROJECT

DATE

07/14/26

COORDINATING OFFICER: \_\_\_\_\_

NHF  
DRAWN BY

NHF

CHECKED  
SAC

SAC

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## REVISIONS

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| AD-2 | 07.31.2026 | ADDEDNUM 2 |

DRAWING  
FOUNDATION PLAN

PROJECT  
MERRILLVILLE CSC CENTRAL  
OFFICE

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DESIGN

SHEET

# S-201

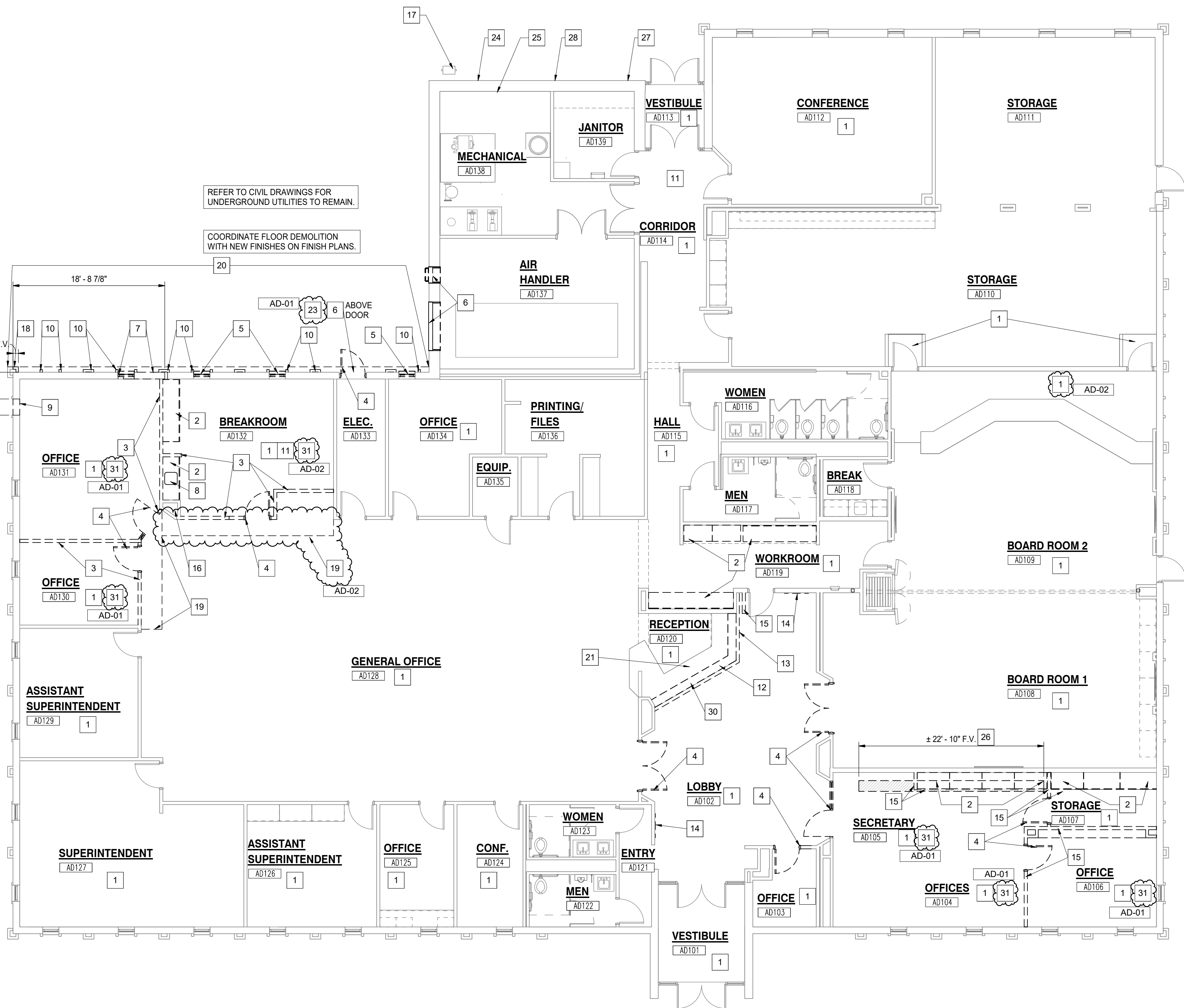




3  
AD101  
**EXISTING NORTH ELEVATION**  
SCALE: NONE



2  
AD101  
**EXISTING WEST ELEVATION**  
SCALE: NONE



1  
AD101  
**ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"

**GENERAL DEMOLITION NOTES:**

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

**DEMOLITION PLAN NOTES:**

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

- REMOVE CARPET FLOORING SYSTEM AND BASE IN ITS ENTIRETY. PREPARE FLOOR FOR NEW FINISHES.
- REMOVE CASEWORK IN ITS ENTIRETY. PATCH AND REPAIR WALL AND FLOOR TO ACCEPT NEW FINISHES. REFER TO INTERIOR SHEETS.
- REMOVE WOOD STUD AND PLASTER GYPSUM BOARD WALL IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT WALL AND FLOOR TO ACCEPT NEW FINISHES.
- REMOVE HOLLOW METAL DOOR, FRAME AND HARDWARE IN ITS ENTIRETY.
- REMOVE WINDOW IN ITS ENTIRETY. SALVAGE STONE SILL FOR REUSE.
- REMOVE LOUVER IN ITS ENTIRETY. REFER TO MECHANICAL DRAWINGS.
- REMOVE MASONRY WALL TO 8" BELOW FLOOR SLAB FOR NEW PASSAGE. REFER TO A-101.
- REMOVE PLUMBING FIXTURE IN ITS ENTIRETY. CUT AND CAP LINE BELOW WALL OR FLOOR SURFACE. UNLESS OTHERWISE NOTED ON PLUMBING DRAWINGS. PATCH AND REPAIR FLOOR TO ACCEPT NEW FINISHES.
- REMOVE GYPSUM BOARD AND STUD WALL INCLUDING FACE BRICK TO INSTALL NEW WINDOW WITH JACK AND KNO STUDS AND HEADER. SALVAGE BRICK.
- REMOVE MASONRY PLASTER IN ITS ENTIRETY. PATCH WALL. TYPICAL ON NORTH WALL.
- REMOVE VCT FLOORING SYSTEM AND BASE IN ITS ENTIRETY. PREPARE FLOOR FOR NEW FINISHES.
- REMOVE ACCORDIAN PARTITION SYSTEM IN ITS ENTIRETY. PATCH WALL AND BULKHEAD. PREP FOR NEW FINISHES.
- REMOVE DISPLAY CASE IN ITS ENTIRETY.
- REMOVE WOOD STUD AND PLASTER GYPSUM BOARD WALL AND BULKHEAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT WALL AND FLOOR TO ACCEPT NEW FINISHES.
- APPROXIMATE LOCATION OF EXISTING ROOF CONDUCTOR. COORDINATE WITH PLUMBING.
- APPROXIMATE LOCATION OF EXISTING NATURAL GAS METER TO REMAIN.
- REMOVE PORTION OF MASONRY PLASTER. PREP FOR NEW EXTERIOR WALL.
- REMOVE PORTION OF CEILING GRID. COORDINATE WITH REFLECTED CEILING PLAN.
- REMOVE METAL FASCIA AND SOFFIT IN ITS ENTIRETY. SAWCUT AND REMOVE ROOF PARAPET AND ROOF STRUCTURE FLUSH TO EXTERIOR OF EXISTING WOOD STUD BEARING WALL.
- EXISTING LOW COUNTER TO REMAIN PROTECT.
- REMOVE TREE AND STRIP SOIL. REFER TO CIVIL.
- REMOVE LIGHT FIXTURE REFER TO ELECTRICAL.
- EXISTING FIRE DEPARTMENT CONNECTION.
- APPROXIMATE LOCATION OF SPRINKLER RISER.
- SAWCUT AND REMOVE CONCRETE SLAB FOR NEW SANITARY LINE. REFER TO PLUMBING DRAWINGS FOR EXTENTS OF TRENCH.
- EXISTING KNOX BOX TO REMAIN.
- EXISTING HOSE BIBB TO REMAIN.
- SALVAGE LIMESTONE SILL FOR REUSE AT NEW WINDOW.
- REMOVE PORTION OF PLASTER GYPSUM BOARD BULKHEAD TO INSTALL SLIDING WINDOW TRACK.
- REMOVE SUSPENDED ACOUSTICAL CEILING SYSTEM IN ITS ENTIRETY.



PROJECT:

**MERRILLVILLE  
CSC CENTRAL  
OFFICE  
ADDITION AND  
RENOVATION**

MERRILLVILLE COMMUNITY  
SCHOOL CORPORATION

6701 DELAWARE ST  
MERRILLVILLE, IN, 46410

BID SET

**GIBRALTAR DESIGN**

4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46268  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone 317.580.5777 Fax 317.580.5778

PROJECT

26-110

DATE

07/14/26

COORDINATED BY

CLS

DRAWN BY

CJA, JKF

CHECKED BY

CLS NAS

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REVISIONS

MARK

DATE

ISSUED FOR

AD-01

07/24/26

ADDENDUM 01

AD-02

07/31/26

ADDENDUM 02

DRAWING

ARCHITECTURAL FIRST FLOOR  
DEMOLITION PLAN

PROJECT

MERRILLVILLE CSC CENTRAL  
OFFICE ADDITION AND  
RENOVATION

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DESIGN

SHEET

**AD101**





PROJECT:

MERRILLVILLE  
CSC CENTRAL  
OFFICE  
ADDITION AND  
RENOVATION

5701 DELAWARE ST  
MERRILLVILLE, IN, 46410

## GIBRALTAR DESIGN

|                     |  |
|---------------------|--|
| PROJECT<br>S-110    |  |
| DATE<br>7/14/26     |  |
| COORDINATED BY      |  |
| S                   |  |
| DRAWN BY<br>JA, JFK |  |
| CHECKED BY          |  |
| PB                  |  |

| REVISIONS |          |             |
|-----------|----------|-------------|
| MARK      | DATE     | ISSUED FOR  |
| 02        | 07/31/26 | ADDENDUM 02 |

## DRAWING

### WALL SECTIONS & DETAILS

|                     |       |
|---------------------|-------|
| GIBRALTAR<br>DESIGN | SHEET |
|---------------------|-------|

A-411



2  
A-411



3  
A-411



WALL S

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



| FINISH LEGEND       |      |                         |                  |                                    |                              |               |                                     |
|---------------------|------|-------------------------|------------------|------------------------------------|------------------------------|---------------|-------------------------------------|
| SURFACE             | MARK | DESCRIPTION             | MANUFACTURER     | PATTERN/FINISH                     | NUMBER/COLOR                 | SIZE          | COMMENTS                            |
| CEILING MATERIALS   |      |                         |                  |                                    |                              |               |                                     |
| ACT1                |      | ACOUSTICAL CEILING TILE | ARMSTRONG        |                                    | 1728 FINE FISHER WHITE       | 2'-0" X 2'-0" | WITH HUMGUARD PLUS PERFORMANCE      |
| ACT2                |      | ACOUSTICAL CEILING TILE | ARMSTRONG        |                                    | HIGH ACOUSTIC .85            | 2'-0" X 2'-0" | WITH HUMGUARD PLUS PERFORMANCE      |
| P10                 |      | PAINT                   | SHERWIN WILLIAMS | --                                 | SW 7007 CEILING BRIGHT WHITE | --            | --                                  |
| WALL BASE & STAIRS  |      |                         |                  |                                    |                              |               |                                     |
| B1                  |      | VINYL WALL BASE         | TARKETT          |                                    | 48 GREY                      | 4" COVE       |                                     |
| FLOOR MATERIALS     |      |                         |                  |                                    |                              |               |                                     |
| C1                  |      | CARPET TILE             | INTERFACE        | AERIAL FLYING COLORS AE315         | 105815 SMOKE - IRIS          | 25CM X 1M     | VESTIBULE                           |
| C2                  |      | WALK OFF CARPET TILE    | MOHAWK GROUP     | TUFF STUFF II                      | FIRST STEP II COBALT         |               |                                     |
| FT1                 |      | PORCELINE TILE          | DALTILE          | PORTFOLIO                          | PF08 DOVE GREY               | 24" X 24"     | LIGHT GRAY FIELD                    |
| FT2                 |      | PORCELINE TILE          | DALTILE          | PORTFOLIO                          | PF08 IRON GRAY               | 24" X 24"     | MEDIUM SEE NOTE #2                  |
| FT3                 |      | PORCELINE TILE          | DALTILE          | PORTFOLIO                          | PF08 CHARCOAL                | 24" X 24"     | DARK GRAY CIRCLE ACCENT SEE NOTE #2 |
| FT4                 |      | PORCELINE TILE          | DALTILE          | NATURAL HUES                       | NH65 RAVEN                   | 24" X 24"     | BLACK BORDER SEE NOTE #2            |
| FT5                 |      | PORCELINE TILE          | DALTILE          | NATURAL HUES                       | NH84 GRAPE                   | 24" X 24"     | PURPLE SEE NOTE #2                  |
| VCT1                |      | VINYL COMPOSITION TILE  | ARMSTRONG        | STANDARD EXCELRON IMPERIAL TEXTURE | S1908 PEWTER                 | 12" X 12"     | FIELD                               |
| VCT2                |      | VINYL COMPOSITION TILE  | ARMSTRONG        | STANDARD EXCELRON IMPERIAL TEXTURE | S7533 TIGER EYES             | 12" X 12"     | PURPLE ACCENT                       |
| WALL MATERIALS      |      |                         |                  |                                    |                              |               |                                     |
| P1                  |      | PAINT                   | SHERWIN WILLIAMS |                                    | SW7016 MINDFUL GRAY          |               | FIELD                               |
| P2                  |      | PAINT                   | PPG              |                                    | PPG0995-6 CITY SKYLINE       |               | ACCENT GRAY                         |
| P3                  |      | NOT USED                |                  |                                    |                              |               |                                     |
| P4                  |      | PAINT                   | SHERWIN WILLIAMS |                                    | SW6818 VALIANT VIOLET        |               | ACCENT PURPLE                       |
| P5                  |      | NOT USED                |                  |                                    |                              |               |                                     |
| P6                  |      | PAINT                   | SHERWIN WILLIAMS |                                    | SW7674 PEPPERCORN            |               | DOOR FRAMES                         |
| WG                  |      | CUSTOM WALL GRAPHIC     | MDC              | TYPE II, SUEDE FINISH              |                              |               | REFER TO NOTE 1                     |
| CASEWORK & MILLWORK |      |                         |                  |                                    |                              |               |                                     |
| PL1                 |      | PLASTIC LAMINATE        | FORMICA          |                                    | 5885-58 CITADEL WRAP         |               | COUNTERTOP                          |
| PL2                 |      | PLASTIC LAMINATE        | FORMICA          |                                    | 5883-58 PECAN WOODLINE       |               | CASEWORK                            |
| SS1                 |      | SOLID SURFACE           | CORIAN           |                                    | WHITE CLOUD                  |               | TRANSACTION TOP                     |
| MISCELLANEOUS       |      |                         |                  |                                    |                              |               |                                     |
| WD                  |      | WOOD DOORS              |                  |                                    | MATCH EXISTING               |               |                                     |
| WS                  |      | WOOD STAIN              |                  |                                    | MATCH EXISTING               |               |                                     |

ETR = EXISTING TO REMAIN  
NOTE 1: CUSTOM WALL GRAPHIC, REQUIRES THREE (3) CUSTOM COLOR MATCHES.  
NOTE 2a: FLOOR TILE GRAPHIC TO BE COORDINATED WITH DALTILE. FOR A WATERJET CUT PROCESS. MATERIAL ORDERED IS BASED ON CONTRACTOR'S FIELD VERIFICATIONS AND GIBRALTAR DESIGN'S DRAWINGS. MANUFACTURE WILL PROVIDE EACH CUT PIECE NUMBERED AND A TECHNICAL DRAWING WILL BE PROVIDED UNDER ORDER; TO BE ASSEMBLED ON SITE BY TILE INSTALLER.  
NOTE 2b: CONTRACTOR TO MOCKUP TILE LOCATION WITHIN LOBBY A-102, FOR OWNER'S FINAL LOCATION APPROVAL  
NOTE 2c: LONG LEAD TIME ITEM FOR MATERIAL AND CUTTING PROCESS.

GENERAL FINISH NOTES:

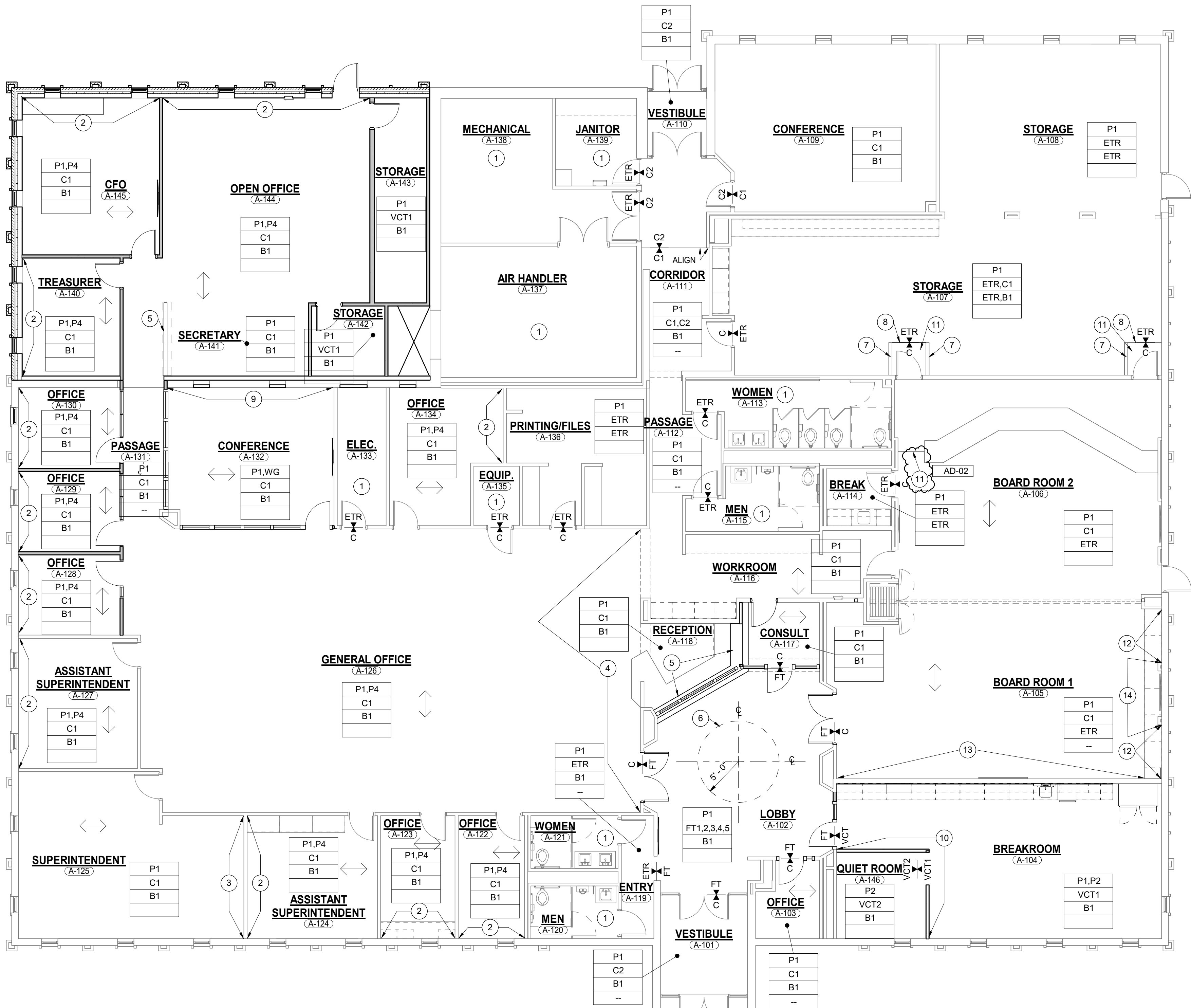
- REFERENCE FINISH LEGEND FOR FINISH INFORMATION.
- REFERENCE FLOOR PATTERN PLANS, EQUIPMENT PLANS, INTERIOR ELEVATIONS, REFLECTED CEILING PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.
- PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
- PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURE'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
- ALL FLOORING IS TO BE LEVELLED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.
- FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIAL INCLUDING NOTATION OF MATERIAL DIRECTION.
- ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.
- ALL FLOOR FINISH TRANSITIONS AT DOORS SHALL BE CENTERED UNDER DOOR UNLESS NOTED OTHERWISE.
- ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC. THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH ALKYD TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.
- CONTRACTOR TO PROVIDE AND INSTALL FLOORING TRANSITIONS AS INDICATED ON THE FLOOR PATTERN PLANS. WHERE NONE ARE NOTED, CONTRACTOR SHALL VERIFY REQUIRED TYPE/COLOR WITH ARCHITECT.
- FOR FLOOR FINISH TRANSITION DETAILS REFER TO A500 SERIES SHEETS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 903.
- PAINT ALL SIDES OF NEW AND EXISTING DOOR FRAMES P6 UNLESS NOTED OTHERWISE.
- EXPPOSED SURFACES OF DUCTWORK TO BE PAINTED TO MATCH ADJACENT SURFACES UNLESS NOTED OTHERWISE.
- PAINT ALL SIDES OF BULKHEADS IN ROOMS RECEIVING FINISHES P10 UNLESS NOTED OTHERWISE.
- REFER TO PROJECT MANUAL FOR FINISH LEVEL REQUIREMENTS FOR GYPSUM BOARD SURFACES UNLESS OTHERWISE INDICATED.

FINISH PLAN LEGEND:

- |    |                         |
|----|-------------------------|
| P1 | WALL FINISH             |
| C1 | FLOOR FINISH            |
| B1 | BASE FINISH             |
| -- | MISC FINISH INFORMATION |
- FLOOR TRANSITION AS REQUIRED
- ↔ INDICATES DIRECTION OF MATERIAL GRAIN
- INDICATES BULKHEADS OR OTHER OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS)

FINISH PLAN NOTES:

- (ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)
- NO NEW FINISH THIS ROOM EXCLUDING DOOR FRAMES CONNECTED TO OTHER ROOMS THAT RECEIVE NEW FINISHES.
  - PAINT, P4
  - NO WORK THIS WALL ONLY. EXISTING GRAPHIC TO REMAIN. PROVIDE NEW WALL BASE, B1.
  - PAINT, P4. DO NOT PAINT WOOD TRIM OR PANELING OF DESK. MAKE SHARP CLEAN TRANSITION ON BULKHEADS, ONLY PAINT THIS SIDE OF BULKHEAD.
  - SOLID SURFACE TRANSITION TOP, SS1. REFER TO DETAILS.
  - FLOOR TILE GRAPHIC LOCATION. REFER TO DETAIL OF PATTERN.
  - WALL WOOD TOP CAP TO REMAIN.
  - WOOD STEP NOSING AND RISER TO REMAIN.
  - WALL GRAPHIC THIS WALL. SEE INTERIOR ELEVATION.
  - PAINT, P2
  - CARPET, C1 ON STEP PLATFORM.
  - EXISTING FABRIC ACOUSTIC WALL PANELS SHALL REMAIN AS IS. DO NOT PAINT.
  - EXISTING FABRIC ACOUSTIC WALL PANELS SHALL REMAIN AS IS. PAINT BELOW WOOD CHAIR RAIL, P1. DO NOT PAINT WOOD.
  - PAINT, P1. DO NOT PAINT WOOD FRAMING.

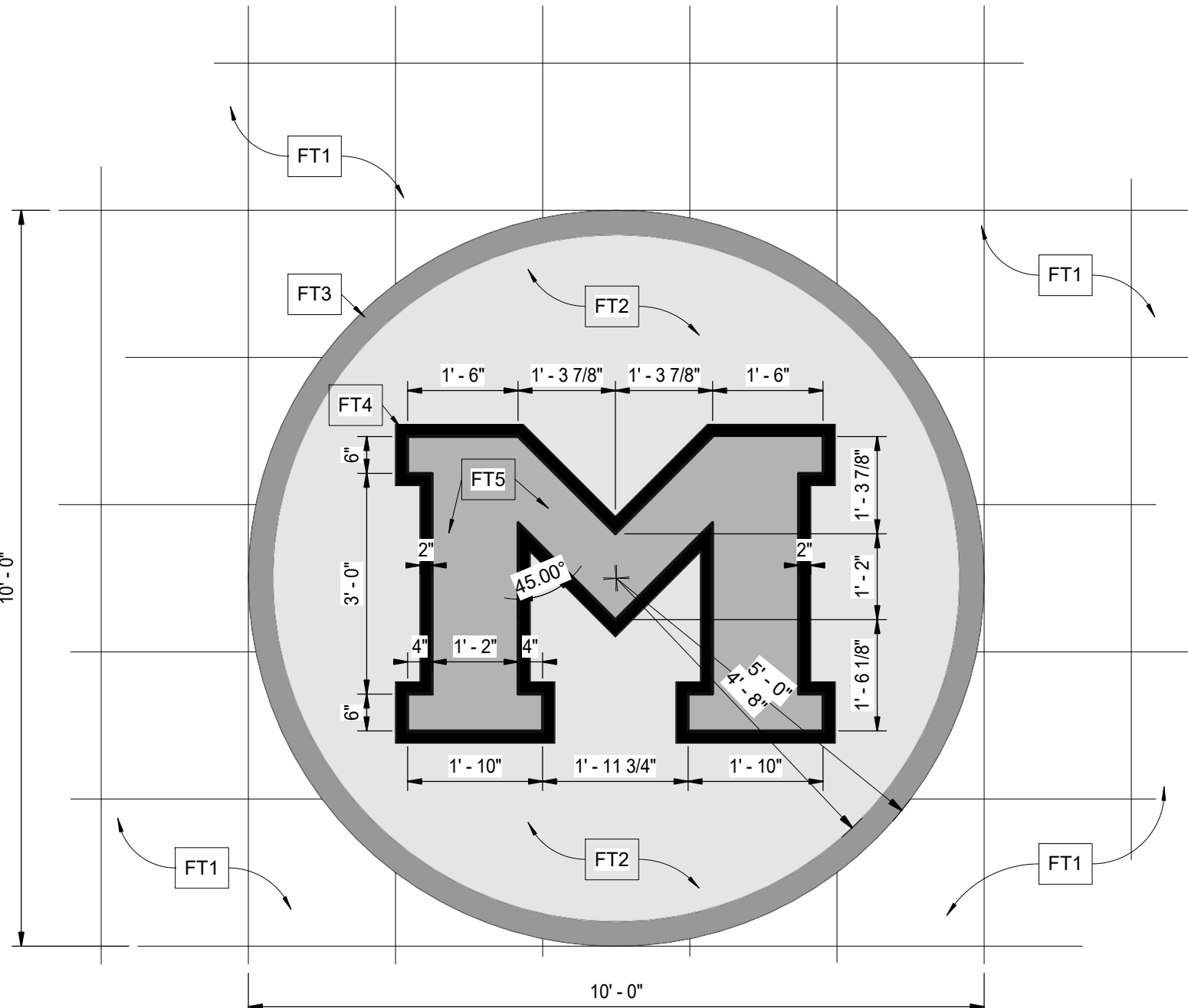


FIRST FLOOR FINISH PLAN

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

WALL GRAPHIC - CONFERENCE ROOM A-132 NORTH ELEVATION

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



FLOOR TILE GRAPHIC

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



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PROJECT:

MERRILLVILLE  
CSC CENTRAL  
OFFICE  
ADDITION AND  
RENOVATION

MERRILLVILLE COMMUNITY  
SCHOOL CORPORATION

6701 DELAWARE ST  
MERRILLVILLE, IN, 46410

BID SET

GIBRALTAR DESIGN

4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46268  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone 317.580.5777 Fax 317.580.5778

PROJECT

26-110

DATE

07/14/26

COORDINATED BY

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DRAWING  
FIRST FLOOR FINISH PLAN AND  
FINISH LEGEND

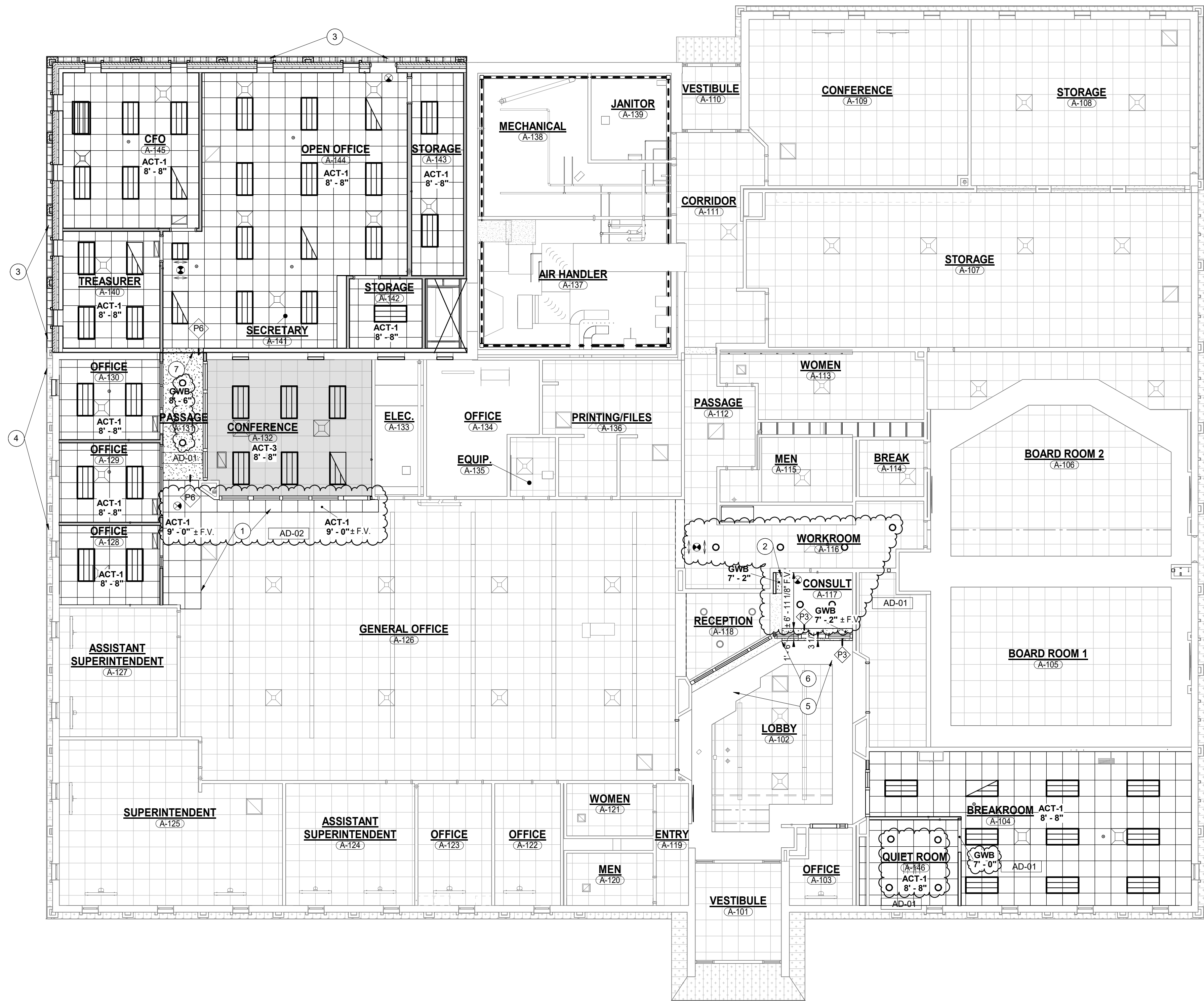
PROJECT  
MERRILLVILLE CSC CENTRAL  
OFFICE ADDITION AND  
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A-801

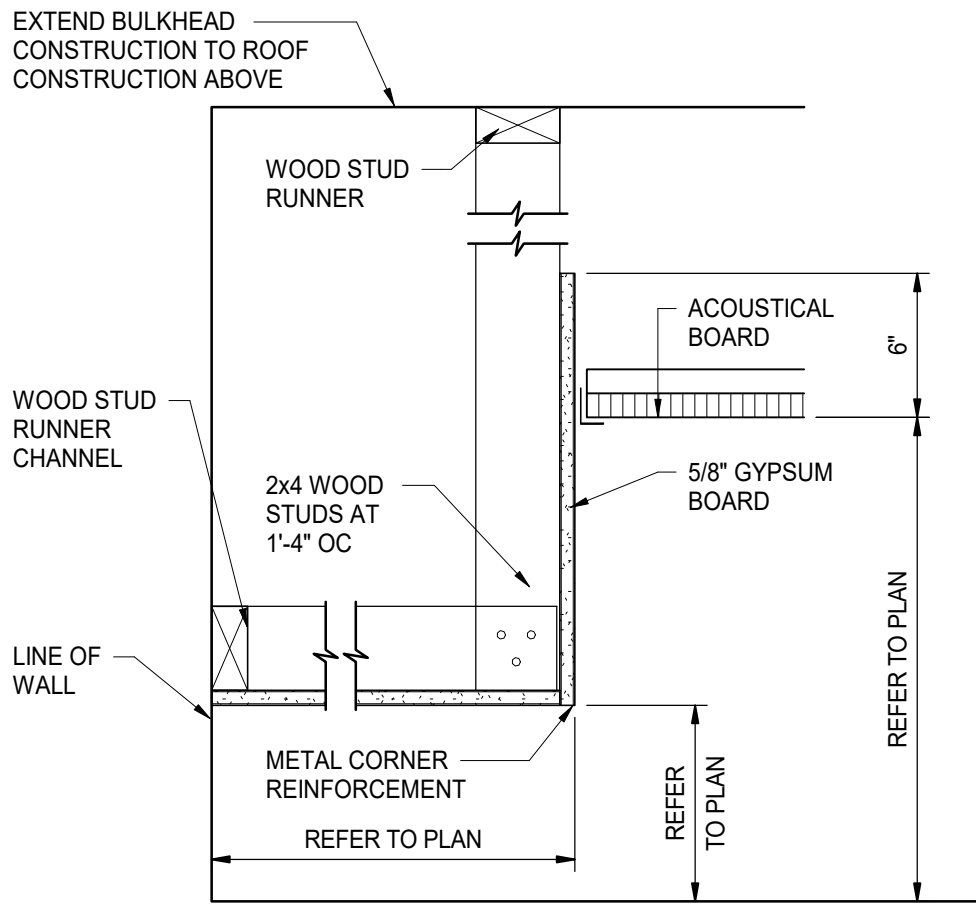




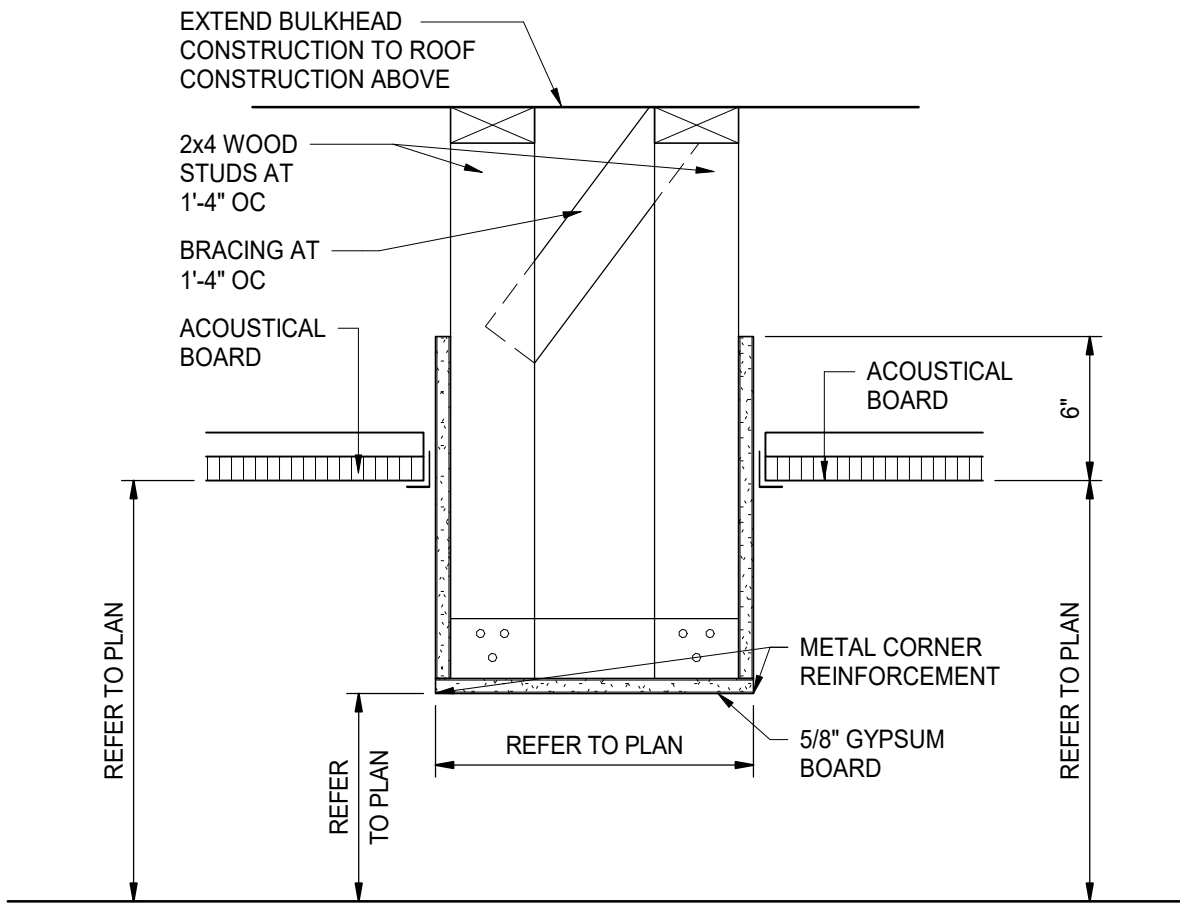
**FIRST FLOOR REFLECTED CEILING PLAN**

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

1  
A-901



**DETAIL "C"**

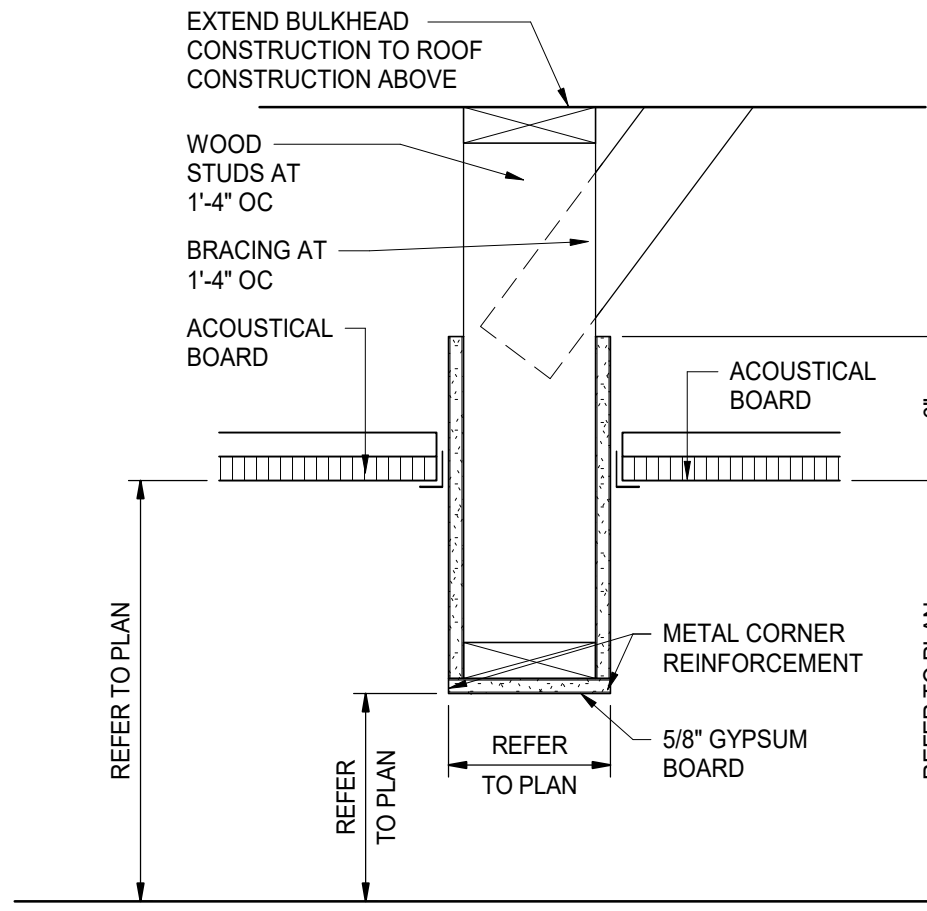


**DETAIL "B"**

**BULKHEAD DETAILS**

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

2  
A-901



**DETAIL "A"**

**GENERAL REFLECTED CEILING NOTES:**

- FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO SHEET G-301.
- THE ARCHITECTURAL REFLECTED CEILING PLANS GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.
- BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.
- REFER TO FLOOR PLANS FOR WALL TYPES.
- REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER HEAD TYPES AND QUANTITIES. HEADS HAVE INTENTIONALLY BEEN OMITTED FOR CLARITY.
- CEILING ACCESS PANELS INDICATED ARE NOT INTENDED TO LIMIT NUMBER OF PANELS REQUIRED. PANEL QUANTITY SHALL BE SUFFICIENT TO PROVIDE REQUIRED ACCESS, WHETHER OR NOT INDICATED ON THE DRAWINGS. VERIFY FINAL LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK.
- REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE AND QUANTITIES.
- REFER TO MECHANICAL DRAWINGS FOR DIFFUSERS, GRILL TYPES AND QUANTITIES - ALL MECHANICAL ITEMS MAY NOT BE INDICATED ON THIS SHEET.
- REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.
- REFER TO FINISH PLANS AND INTERIOR ELEVATIONS FOR PAINT COLORS.

**CEILING LEGEND**

|  |       |  |                                                                                              |
|--|-------|--|----------------------------------------------------------------------------------------------|
|  | ACT-1 |  | LIGHT FIXTURE                                                                                |
|  | ACT-3 |  | SUPPLY AIR DIFFUSER.                                                                         |
|  |       |  | RETURN OR EXHAUST REGISTER.                                                                  |
|  |       |  | EXHAUST REGISTER.                                                                            |
|  |       |  | EXTERIOR INSULATED FINISH SYSTEM (EIFS).                                                     |
|  |       |  | INTERIOR FINISH SYSTEM (IFS) OVER GLASS MATT GYPSUM SHEATHING.                               |
|  |       |  | GYPSUM BOARD CEILING OR BULKHEAD, REFER TO TYPICAL BULKHEAD DETAILS A-901 AND WALL SECTIONS. |

**REFLECTED CEILING PLAN NOTES:**

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

- TIE GRID INTO EXISTING GRID. ALIGN CEILING GRID WITH EXISTING CEILING GRID. MATCH EXISTING ADJACENT CEILING TILES. FIELD VERIFY.
- PATCH CEILING WITH MATCHING MATERIAL AND ALIGN WITH EXISTING BULKHEAD.
- PREFINISHED METAL SOFFIT.
- EXISTING METAL SOFFIT.
- EXISTING GYPSUM BOARD BULKHEAD TO REMAIN.
- ALIGN NEW BULKHEAD TO THE CORNER OF THE EXISTING BULKHEAD. INSTAL CONTROL JOINT.
- 1" CEILING EXPANSION JOINT WITH BACKER ROD AND SEALANT.



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MERRILLVILLE COMMUNITY  
SCHOOL CORPORATION  
6701 DELAWARE ST  
MERRILLVILLE, IN, 46410

BID SET

**GIBRALTAR DESIGN**

4030 Vincennes Rd., Ste. 100  
Indianapolis, IN 46226  
Homepage: www.GibraltarDesign.com  
Email: info@GibraltarDesign.com  
Phone 317.580.5777 Fax 317.580.5778

PROJECT

26-110

DATE

07/14/26

COORDINATED BY

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| AD-02 | 07/31/26 | ADDENDUM 02 |

DRAWING  
**FIRST FLOOR REFLECTED  
CEILING PLAN**

PROJECT  
**MERRILLVILLE CSC CENTRAL  
OFFICE ADDITION AND  
RENOVATION**

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SHEET

**A-901**



