

Addendum No. 1
April 14, 2026

Project: **SOUTHEAST TECHNICAL COLLEGE HOUSE CONSTRUCTION LAB**
Sioux Falls, South Dakota
Arch Project No. 3155

Architect: Architecture Incorporated

Letting: **Tuesday, April 28, 2026**
11:00 AM
The Hub at Southeast Technical College
Administrative Conference Room #230
2001 N. Career Avenue
Sioux Falls, SD 57107

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

GENERAL ITEMS:

1) SECTION 012100 – ALLOWANCES

- a) Remove Section 012100 – ALLOWANCES. There are no allowances in the project. Door locksets and cylinders are in the project and shall be included in the bid as per section 087110 Door Hardware.

2) SECTION 072100 – THERMAL INSULATION

- a) The Work of Section 072100 shall include furnishing and installing spray-applied (close-cell) polyurethane foam insulation within the bi-parting hanger doors specified in Section 083416; 4-inch minimum thickness.

3) SECTION 074213 – FORMED METAL WALL PANELS

- a) The Work of Section 074213 shall include furnishing and installing sheet metal wall panels on the interior and exterior faces of the bi-parting hanger doors specified in Section 083416.
 - i) Metal wall panels applied to bi-parting hanger doors are specified in Section 083416.

4) SECTION 076200 – SHEET METAL FLASHING AND TRIM

- a) The Work of Section 076200 shall include furnishing and installing all necessary sheet metal flashings and trim required at the interior and exterior faces of the bi-parting hanger doors specified in Section 083416.

5) SECTION 083416 – BI-PARTING HANGAR DOORS

- a) Add attached Specification Section 083416 – BI-PARTING HANGAR DOORS, pages 1-10.

6) SECTION 277400 – COMMUNICATION AND DATA-PROCESSING EQUIPMENT

- a) Remove articles 2.5 (C), 2.5 (D) and 2.7 (D). Cat 6, Cat 6A and Fiber-Optic patch cables are not required to be provided as part of this project.

7) SECTION 312000 - EARTHWORK

- a) CLARIFICATION: The Contractor shall provide 36 inches of granular fill beneath all footings as indicated on the Structural drawings.

8) SHEET 4.50 – ENLARGED TOILET ROOM PLANS

- a) CLARIFICATION: There are no floor drains in Restrooms 105 and 106 in the base bid.

MECHANICAL ITEMS:

1) SHEET 8.20 – UNDERFLOOR PLAN PLUMBING – BASE BID

- a) Add Plumbing Notes #19 & #20. Reference revised drawing Sheet 8.20, revision dated 4-14-2026 attached to the end of this addendum.

2) SHEET 8.20A – UNDERFLOOR PLAN PLUMBING – ADD ALTERNATE

- a) Add Plumbing Notes #25 & #26. Reference revised drawing Sheet 8.20A, revision dated 4-14-2026 attached to the end of this addendum.

ELECTRICAL ITEMS:

1) SHEET 9.10 – SITE PLAN BASE BID - ELECTRICAL

- a) Reference *revised* drawing sheet 9.10, revision dated 4-14-2026 attached to the end of this addendum for miscellaneous clouded modifications.

2) SHEET 9.11A – SITE PLAN ADD ALTERNATE - ELECTRICAL

- a) Reference *revised* drawing sheet 9.11A, revision dated 4-14-2026 attached to the end of this addendum for miscellaneous clouded modifications.

3) SHEET 9.31 – MAIN FLOOR PLAN – BASE BID LIGHTING

- a) Reference *revised* drawing sheet 9.31, revision dated 4-14-2026 attached to the end of this addendum for miscellaneous clouded modifications.

- 4) SHEET 9.32A – MAIN FLOOR PLAN – ADD ALTERNATE LIGHTING
 - a) Reference *revised* drawing sheet 9.32A, revision dated 4-14-2026 attached to the end of this addendum for miscellaneous clouded modifications.

- 5) SHEET 9.33 – MAIN FLOOR PLAN – BASE BID ELECTRICAL
 - a) Reference *revised* drawing sheet 9.33, revision dated 4-14-2026 attached to the end of this addendum for miscellaneous clouded modifications.

- 6) SHEET 9.34A – MAIN FLOOR PLAN – ADD ALTERNATE ELECTRICAL
 - a) Reference *revised* drawing sheet 9.34A, revision dated 4-14-2026 attached to the end of this addendum for miscellaneous clouded modifications.

- 7) SHEET 9.40 – ELECTRICAL SYMBOLS & ABBREVIATIONS
 - a) Reference *revised* drawing sheet 9.40, revision dated 4-14-2026 attached to the end of this addendum for miscellaneous clouded modifications.

- 8) SHEET 9.41 – ELECTRICAL SCHEDULES – BASE BID
 - a) Reference *revised* drawing sheet 9.41, revision dated 4-14-2026 attached to the end of this addendum for miscellaneous clouded modifications.

- 9) SHEET 9.42A – ELECTRICAL SCHEDULES – ADD ALTERNATE
 - a) Reference *revised* drawing sheet 9.42A, revision dated 4-14-2026 attached to the end of this addendum for miscellaneous clouded modifications.

GENERAL APPROVALS:

The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the specifications.

<u>SECTION</u>	<u>ITEM</u>	<u>MANUFACTURER</u>
072100	Spray-Applied Closed-Cell Spray Foam	Enverge One Pass HFO Closed Cell Spray Foam
230800	Air Handling Unit	VTS
230800	Condensing Units	LG, Lennox
230800	Fan Powered VAV Terminals	Metal Aire
230800	VAV /Reheat Terminals	Metal Aire
265119	Interior Lighting Type A/AE Type C1 Type D/DE	Elite Alpha Elite

Type L1/L2
Type M1/M1E/M2
Type W1/W2

Elite
Elite
NLS Lighting

END OF ADDENDUM No. 1

SECTION 083416 – BI-PARTING HANGAR DOORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Bi-parting, bottom-rolling hangar door systems.

- B. Related Sections:

- 1. Section 033000 "Cast-In-Place Concrete".
 - 2. Section 034500 "Precast Architectural Concrete."
 - 3. Section 051200 "Structural Steel".
 - 4. Division 7 Section "Thermal Insulation" for insulating bi-parting hangar doors.
 - 5. Division 7 Section "Formed Metal Wall Panels" for metal wall panels applied to the interior and exterior faces of bi-parting hangar doors.
 - 6. Division 7 Section "Sheet Metal Flashing and Trim" for exposed sheet metal flashing.
 - 7. Division 7 Section "Joint Sealants".
 - 8. Division 26 for field wiring and final connection for electrically-operated bi-parting hangar doors.

1.3 SCOPE OF WORK

- A. Section 083416 scope of Work shall include furnishing and installing two (2) 40'-0" wide by 28'-0" high, 6-section, electrically operated, bi-parting, bottom rolling, top guided (fully operational) hangar door system(s) as indicated on the drawings.

- 1. Work of this Section shall also include furnishing all components necessary for a complete bi-parting hangar door system(s), including but not limited to: bottom rails, top guides, and door sections complete with bottom wheels, top guide rollers, bumper pick-up system and weather seals. All steel shall be prime painted with the manufacturer's standard structural primer.

1.4 WORK BY OTHERS

- A. The General Contractor shall assume responsibility for supplying and coordinating all work defined as Work by Others, including but not limited to: preparation of the building to receive hangar doors, field wiring, field finish painting, furnishing and installing top guide supports and furnishing and installing thermal insulation and interior and exterior metal door skins.

1.5 DESIGN CRITERIA

- A. Bi-parting, bottom-rolling doors shall be designed to withstand a wind load of 115 mph, 3-second gust, exposure C, in the closed position. The top guide system shall be capable of accommodating a total of six (6) inches of live load deflection and five (5) inches of uplift.
- B. The basic design criteria listed above shall apply to the door and its components as specified herein and shall conform to the applicable form of the following accepted and approved design specifications:
 - 1. American Institute of Steel Construction - "Manual of Steel Construction".
 - 2. American Iron and Steel Institute - "Light Gage Steel Design Manual".
 - 3. American Welding Society - "Code for Arc and Gas Welding".
 - 4. Metal Building Manufacturer Association - "Recommended Design Practices Manual".

1.6 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.
 - 1. Drawings showing detailed construction of the door framing including bottom rail, top guide rails, structural door frame, wheels, top guide rollers, weather seals and any special additions. Include points of attachment and their corresponding static and dynamic loads imposed on the structure.
 - 2. Drawings shall denote weld identifications, connection hardware, and any electrical door operator and control panel locations.
 - 3. Wiring schematics shall include field wiring, location of junction boxes and physical location of devices.
 - 4. Include diagrams for power, signal and control wiring.
 - 5. Include building elevations showing layout of units and locations of joints and anchors.
 - 6. Exterior and Interior Door Skins: Preformed metal siding, necessary trims, siding accessories, and insulation shall be furnished by the General Contractor.
- C. Delegated-Design Submittal: For bi-parting, bottom-rolling hangar doors indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
 - 1. Show governing door panel types, connections, types of reinforcement, including special reinforcement. Indicate location, type, magnitude, and direction of loads imposed on the building structural frame from architectural precast concrete.
 - 2. Comprehensive engineering analysis [**signed and sealed**] by the qualified professional engineer, licensed in the State of South Dakota, responsible for its preparation. Show governing panel types, connections, and types of reinforcement, including special reinforcement. Indicate location, type, magnitude, and direction of loads imposed on the building structural frame from bi-parting, bottom-rolling hangar doors.

1.7 INFORMATIONAL SUBMITTALS

- A. Sample Warranties: For special warranties.

1.8 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For bi-parting, bottom-rolling hangar doors to include in maintenance manuals.

1.9 QUALITY ASSURANCE

- A. Source Limitations: Obtain bi-parting, bottom-rolling hangar doors through single source from single manufacturer.
- B. Manufacturer Qualifications: A qualified hangar door manufacturer of sliding steel doors of types and sizes similar to those indicated for this Project and who has sufficient indoor production capacity to manufacture the units required for this Project.
 - 1. Minimum of 5 years experience producing bi-parting, bottom-rolling hangar doors.
 - 2. Production Quality Control: Manufacturer shall have an internal Quality Assurance Program.
 - 3. The manufacturer shall have extensive knowledge of all required installation procedures.
 - 4. The manufacturer shall employ experienced, qualified field service representatives that will visit the Project site if issues arise.
- C. Installer Qualifications: Installer shall have a minimum of 5 years experience and knowledge in installing horizontal rolling sliding door systems and shall be an entity that employs installers and supervisors who are trained and approved by the manufacturer for installation and maintenance.

1.10 COORDINATION

- A. Furnish loose connection hardware and anchorage items to be embedded in or attached to other construction without delaying the Work. Provide locations, setting diagrams, templates, instructions, and directions, as required, for installation.

1.11 DELIVERY, STORAGE, AND HANDLING

- A. Coordinate delivery of bi-parting, bottom-rolling hangar doors to avoid delaying the Work [**and to minimize the need for on-site storage**].
- B. Pack, handle, and ship materials in suitable packs or pallets.
- C. Store delivered materials and equipment in dry locations with adequate ventilation, free from dust and water, so as to permit access for inspection and handling.
- D. Handle materials carefully to prevent damage.
- E. Inspection of Materials: Upon delivery; by General Contractor.

1.12 PROJECT CONDITIONS

- A. Field Measurements: The General Contractor shall be solely responsible for verifying openings to receive hangar door systems by performing field measurements prior to fabrication. Indicate field verified measurements on shop drawings.
- B. Mounting Surfaces: The General Contractor shall be solely responsible for verifying all surfaces to be plumb, straight and secure; substrates to be of proper dimension and material.

- C. Other Trades: The General Contractor shall advise of any inadequate conditions or equipment.

1.13 WARRANTY

- A. Warranty: Manufacturer agrees to repair or replace components of bi-parting, bottom-rolling hangar door systems that do not comply with requirements or that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including, but not limited to, excessive deflection.
 - b. Noise or vibration created by wind and thermal and structural movements.
 - c. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - d. Failure of operating components.
 - 2. Warranty Period: **[One]** year from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design aluminum-framed entrances and storefronts.
- B. General Performance: Comply with performance requirements specified, as determined by testing of bi-parting, bottom-rolling hangar door systems representing those indicated for this Project without failure due to defective manufacture, fabrication, installation, or other defects in construction.
 - 1. Bi-parting, bottom-rolling hangar door systems shall withstand movements of supporting structure including, but not limited to, story drift, twist, column shortening, long-term creep, and deflection from uniformly distributed and concentrated live loads.
 - 2. Failure also includes the following:
 - a. Thermal stresses transferring to building structure.
 - b. Noise or vibration created by wind and thermal and structural movements.
 - c. Loosening or weakening of fasteners, attachments, and other components.
 - d. Failure of operating units.
- C. Structural Performance: Provide horizontal bottom rolling door capable of withstanding the effects of gravity loads and the following loads and stresses without evidence of permanent deformation of the door components:
 - a. Wind Load: Exterior and interior wind load pressure as indicated on Drawings.
 - b. Door Deflection Limits: Maximum deflection of L/120.
 - c. Structural Deflection: Design horizontal sliding hangar doors as a system to withstand the upward and downward deflections of the cantilevered structure supporting and bracing the top of the hangar door system.
 - d. Other Design Loads: **[As indicated on Drawings]**.
- D. Structural: Test according to ASTM E 330 as follows:

1. When tested at positive and negative wind-load design pressures, assemblies do not evidence deflection exceeding specified limits.
 2. When tested at [150] percent of positive and negative wind-load design pressures, assemblies, including anchorage, do not evidence material failures, structural distress, or permanent deformation of main framing members exceeding [0.2] percent of span.
 3. Test Durations: As required by design wind velocity, but not less than [10] seconds.
- E. Air Infiltration: Test according to ASTM E 283 for infiltration as follows:
1. Bi-Parting Doors: Maximum air leakage of [1.0 cfm/sq. ft. (5.08 L/s per sq. m)] at a static-air-pressure differential of [1.57 lbf/sq. ft. (75 Pa)] per ASTM E 283
- F. Water Penetration under Static Pressure: Test according to ASTM E 331 as follows:
1. No evidence of water penetration through assemblies when tested according to a minimum static-air-pressure differential of 20 percent of positive wind-load design pressure, but not less than [6.24 lbf/sq. ft. (300 Pa)].
- G. Water Penetration under Dynamic Pressure: Test according to AAMA 501.1 as follows:
1. No evidence of water penetration through assemblies when tested at dynamic pressure equal to 20 percent of positive wind-load design pressure, but not less than [6.24 lbf/sq. ft. (300 Pa)].
 2. Maximum Water Leakage: [No uncontrolled water penetrating assemblies or water appearing on assemblies' normally exposed interior surfaces from sources other than condensation]. Water leakage does not include water controlled by flashing and gutters, or water that is drained to exterior.
- H. Thermal Movements: Allow for thermal movements resulting from ambient and surface temperature changes:
1. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.
 2. Thermal Cycling: No buckling; stress on glass; sealant failure; excess stress on framing, anchors, and fasteners; or reduction of performance when tested according to AAMA 501.5.
 - a. High Exterior Ambient-Air Temperature: That which produces an exterior metal-surface temperature of [180 deg F (82 deg C)].
 - b. Low Exterior Ambient-Air Temperature: [0 deg F (minus 18 deg C)].
 - c. Interior Ambient-Air Temperature: [75 deg F (24 deg C)].

2.2 MANUFACTURERS

- A. Fabricators: Subject to compliance with requirements, provide products by one of the following:
1. Bi-Parting, Bottom-Rolling Hangar Door Systems:
 - a. **Door Engineering and Manufacturing**
101 Power Drive
Mankato, MN 56001
(800)-959-1352
Contact: Krista McCarthy- kmccarthy@doorengineering.com.
 - b. Others – **only** as approved in writing by Architect *prior* to bid letting.

- B. Basis-of-Design: [**H-Series, Model HB600 Bottom Rolling Bi-Parting Hangar Doors**] as manufactured by *Door Engineering & Manufacturing*.

2.3 MATERIALS

- A. Framing: All door section framing members, both vertical and horizontal, shall be hot-rolled standard structural steel sections equal to or exceeding ASTM A-36 and comply with AISC specifications.
 - 1. Cold-formed "C", "Z" shapes may be used for girts or bracing.
- B. Door Section Construction: Door sections shall be fabricated in sizes convenient for shipping and shall be of bolted and/or welded construction. Framing members shall be true to dimension and square in all directions. Diagonal bracing shall be provided so that the completed door section assembly will be adequately braced to withstand operational loads.
- C. Weather Seals: All weather seals on vertical edges, sill and head shall be factory-installed.
 - 1. Vertical weather seals shall be a bulb type sheet rubber EPDM (Ethylene, Propylene, Diene, Terpolymer) with a resilient urethane foam core.
 - 2. Vertical opposing bulb weather seals between the door sections shall seal against each other and not come in contact with the door sheeting.
 - 3. Head and sill weather seals shall be flap-type sheet rubber EPDM (Ethylene, Propylene, Diene, Terpolymer).
 - 4. All weather- seals shall be retained with full length steel binding strips attached with rust resistant fasteners.
- D. Telescoping Top Guide Rollers: Each door section shall be equipped with two telescoping top guide roller assemblies consisting of horizontal and vertical steel rollers with oil impregnated bronze bearings.
- E. Bottom Wheels: Each door section shall have two double flange solid steel wheels with a minimum tread diameter of 12 inches.
 - 1. Each wheel shall be equipped with factory-installed tapered roller bearings capable of transmitting both vertical and horizontal loads.
 - 2. Bearings shall be provided with grease seals.
 - 3. Wheels 18-inch or greater in diameter shall be heat-treated to obtain rim hardness of 320 Brinell.
- F. Top Guide Assemblies: Top guide assemblies consisting of wide flange beams, flat sheeting enclosure panels and cross bracing shall be factory fabricated sub-assemblies to accommodate the telescoping top roller assemblies and the designed building live load deflection and uplift. Each top track sub-section assembly header weather screen dropped panels and self-drilling attachment hardware shall be shipped loose.
- G. Bottom Rails: Bottom rail assemblies shall be factory fabricated sub-assemblies from a minimum ASCE 20 lbs. / yd. bottom rail with cross bracing and include leveling anchor clips with quick-bolt anchors. Bottom rail grouting forms to be provided by Section 083416 to ensure proper grouting at rail head for second pour of concrete; concrete furnished and installed by Section 033000.
- H. End of travel bumpers, tractor pulls and track cleaners shall be furnished by Section 083416.
- I. Neoprene cushioned bumper pick up system shall be furnished by Section 083416 to interconnect door sections.

2.4 OPERATING SYSTEM

- A. Operating System, General: Bi-parting hangar doors shall be operated by an electric motor drive system mounted internally within the door framing of the leading door sections. The electric motor operator shall drive one of the bottom wheels of the door section. The non-powered door sections to be interconnected to the powered door section by means of a neoprene cushioned mechanical bumper pick-up system.
- B. Electric Operator: The electric motor operator shall consist of a factory-fabricated electric brake motor, gear reducer, required sprockets, roller chains and chain tensioning devices.
 - 1. The operator shall be capable of emergency manual operation using a quick dis-connect for manual operation capability.
 - 2. Electric power shall be 208 VAC, 60 Hz, three phase.
- C. Operator Controls: Electrical controls shall include a factory-wired enclosure with disconnect switch, overload and under-voltage protection, magnetic reversing starters, and control voltage transformer mounted on the powered door section. Control circuits shall not exceed a nominal 110 volts.
 - 1. Control Station: The control station shall include constant-contact pushbuttons labeled with "OPEN" and "CLOSE"; factory-mounted near the leading edge of each power-operated door section.
 - 2. Limit Switches: Limit switches shall be provided to stop the travel of the door sections in their fully open or fully closed positions. Limit switches shall be mounted on powered door sections. Actuating cams shall be field mounted on the top guide assemblies.
 - 3. Power Supply: Electric power shall be brought to the powered door section with a multi-conductor SO electrical cable draped from the jamb of the door opening and the non-powered door sections to each powered door section.
 - a. Section 083416 shall provide all electrical components necessary for fully operational bi-parting hangar door systems, including but not limited to conduit, fittings, junction boxes, pre-cut and color-coded wire harnesses, limit switches and their cam assemblies. Operators shall be factory fabricated with pre-wired electrical control panels.
 - 1) Labor to connect all components to the appropriate locations shall be the responsibility of Division 26.

2.5 AUXILIARY MATERIALS

- A. Thermal Insulation: Spray-applied polyurethane foam insulation shall be furnished and installed by Section 072100.
 - 1. Insulation: Hangar door sections shall be insulated with [4 inches] of spray-applied polyurethane foam insulation. The General Contractor shall be responsible for furnishing and installing thermal insulation in accordance with the requirements specified in Division 7 Section "Thermal Insulation."
- B. Formed Metal Wall Panels: Sheet metal skins applied to the interior and exterior faces of bi-parting hangar doors shall be furnished and installed by Section 074113.
 - 1. Door Faces: Hangar doors shall receive full-height, field-applied sheet metal skins on both the exterior and interior faces. Provide miscellaneous sheet metal flashing and trim as recommended by the hangar door manufacturer to provide a weatherproof assembly. The General Contractor

shall be responsible for furnishing and installing sheet metal panels, flashings and accessories in accordance with the requirements specified in Division 7 Section "Sheet Metal Flashing and Trim" and those listed below:

2. Exterior Metal Door Panels (Skin):
 - a. Material: Pre-finished galvanized steel.
 - b. Thickness: 26 gauge, minimum.
 - c. Profile: Vertically Ribbed; max. 2-inch rib height.
 - 1) Basis-of-Design Panels: Firestone UNA-CLAD – Ultra Omega Panel.
 - d. Color: Matching metal wall panel Color 2; equal to UNA-CLAD [**Sierra Tan**].
 3. Interior Metal Door Panels (Skin):
 - a. Tapered-Rib-Profile, Metal Liner Panels: Formed with raised, trapezoidal major ribs and [**intermediate stiffening ribs symmetrically spaced**] [**flat pan**] between major ribs; designed to be installed by lapping side edges of adjacent panels and mechanically attaching panels to supports using exposed fasteners in side laps.
 - 1) Basis-of-Design: Based on Varco Pruden "LPR-36 Liner Panel."
 - b. Material: Prefinished [**zinc-coated (galvanized)**] steel sheet, [**0.019-inch (0.48-mm) (28 ga)**] nominal thickness.
 - c. Major-Rib Spacing: [**12 inches (305 mm)**] o.c.
 - d. Panel Coverage: [**36 inches (914 mm)**].
 - e. Panel Height: [**1-3/16 inches**].
 - f. Exterior Finish: [**Siliconized polyester**].
 - g. Color: [**White**].
 4. Provide fasteners with heads colored to match sheet metal
- C. Sheet Metal Flashing & Trim: Miscellaneous sheet metal flashing and trim shall be furnished and installed by Section 076200

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 FABRICATION

- A. Fabrication, General: All shop fabrication shall be in accordance with the standard practice of the American Welding Society and shall be done in a neat and workmanlike manner.

- B. Connections: All primary door frame connections shall be welded or bolted using workmanlike methods. Exposed joints and connections should be neat, clean, and close-fitting. All welded joints shall develop 100 percent of the strength of the intersecting members.
- C. Fasteners: All bolts used for structural connections shall be Grade 5 or A 325 or better. All fastener, nut, and washer finishes shall conform to ASTM Specification #B-117-57T for a 6-hour Salt Spray Test for zinc or cadmium coating.
 - 1. Grade 2 or A 307 bolts are not acceptable for hangar door applications.

3.3 FINISHES

- A. Clean all steel surfaces after fabrication.
- B. Steel surfaces shall be factory-painted with manufacturer's standard PPG gray 4180 primer (2-3 mm thick dry) structural steel primer.

3.4 INSTALLATION

- A. Assemble and install bottom rail assemblies, top guide assemblies and door sections in accordance with approved drawings and manufacturers published installation instructions.
- B. Installation of door openings, roofing and floor slabs shall be complete prior to installation of bi-parting hangar doors commencing.
 - 1. Do not erect the top guide track system or door sections until the work of other trades in preparing the door opening has been fully completed and the hangar roof is under full deadload.
- C. Permanent or temporary electric wiring shall be brought to the door opening prior to starting hangar door installation.
- D. Doors shall be installed plumb, level and square, and with all parts properly fastened. All moving parts shall be tested and adjusted and left in good operating condition at the time of substantial completion.

3.5 THERMAL INSULATION

- A. Thermal Insulation: Install spray-applied polyurethane foam insulation within bi-parting ganger doors in accordance with the requirements specified per Section 072100.
 - 1. Coordinate installation of spray-applied polyurethane foam insulation with installation of sheet metal wall panels applied to bi-parting hangar door frame sections.

3.6 WALL PANEL INSTALLATION

- A. Wall Panel Installation: Install full-height sheet metal wall panels at both the exterior and interior faces of bi-parting hangar door sections in accordance with the requirements specified per Section 074213.
 - 1. Coordinate installation of field-applied sheet metal wall panels with installation of spray-applied polyurethane foam insulation.

3.7 DEMONSTRATION

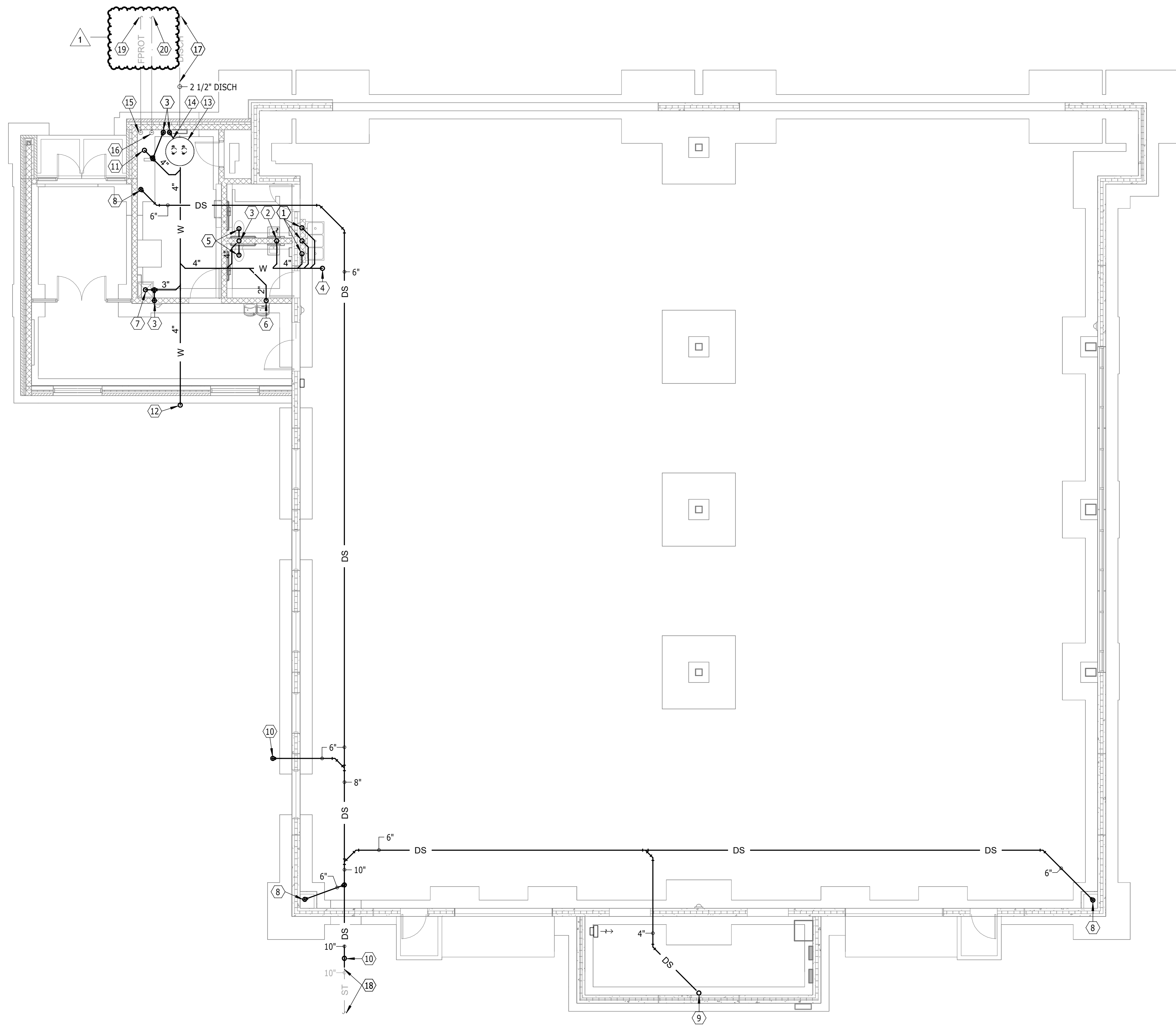
- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to operate [**adjust, and maintain**] bi-parting hangar doors. Refer to Division 1 Section "Demonstration and Training."
- B. Check operation of bi-parting hangar doors with Owner's personnel present and before date of Substantial Completion. Determine that operation systems and devices are functioning properly.
- C. Check operation of bi-parting hangar doors with Owner's personnel present not more than one month before end of warranty period. Determine that operation systems and devices are functioning properly.

3.8 TESTING, ADJUSTING AND CLEANING

- A. Acceptance Testing: Upon completion of installation and before permitting use, perform acceptance tests as required and recommended by governing regulations and agencies.
- B. Inspection of completed bi-parting hangar door systems, including complete operating testing shall be performed by the Installer in the presence of the General Contractor and the manufacturer's factory-authorized technical personnel immediately upon completion of installation.
 - 1. Provide Owner and Architect not less than 48 hours notice of scheduled date and time of inspection and testing.
- C. All defects discovered during testing and inspection shall be corrected prior to substantial completion.
- D. Upon successful completion of all testing and inspection, the General Contractor shall assume responsibility for any damage or rough handling of the doors during the remainder of the project until such time that the building is formally turned over to the Owner.
- E. Clean surfaces and repaint abraded or damaged surfaces to match factory-applied finish.

END OF SECTION 083416

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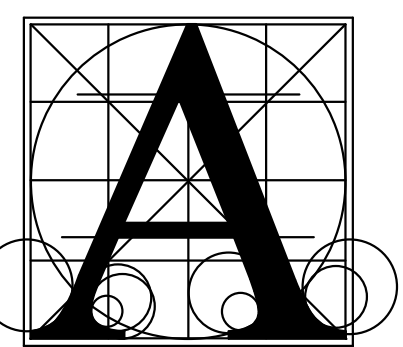
N
 UNDERFLOOR PLAN - PLUMBING - BASE BID
 SCALE 0 4 8 12 16

GENERAL SHEET NOTES

- A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
- B. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.
- C. MAINTAIN REQUIRED ELECTRICAL CLEARANCES FOR MECHANICAL EQUIPMENT.

PLUMBING & HEATING NOTES

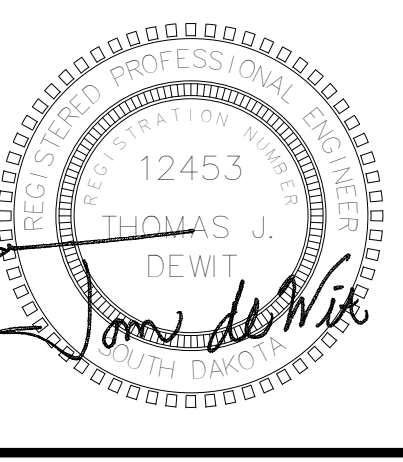
- 1 2" W UP TO SK
- 2 2" W UP TO LAV
- 3 2" V UP
- 4 4" W UP TO CO
- 5 4" W UP TO WC
- 6 2" W UP TO EWC
- 7 3" W UP TO MSK
- 8 6" DS UP
- 9 4" DS UP
- 10 4" DS UP TO GRADE CO
- 11 4" W UP TO FSK
- 12 4" W UP TO GRADE CO. INSTALL PIPING 36" DEEP TO ACCOMMODATE FUTURE ADDITION
- 13 SEWAGE BASIN 3'-6" DIA X 7'-6" DEEP WITH DUPLEX SEWAGE PUMPS. SEE SEWAGE PUMP PIPING DETAIL
- 14 CONNECT 2" V TO SEWAGE BASIN
- 15 FIRE PROTECTION SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWING FOR CONTINUATION
- 16 WATER SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 17 CONNECT 2" DISCH FROM SEWAGE PUMPS TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 18 CONNECT TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 19 FIRE PROTECTION SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWING FOR CONTINUATION
- 20 WATER SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION



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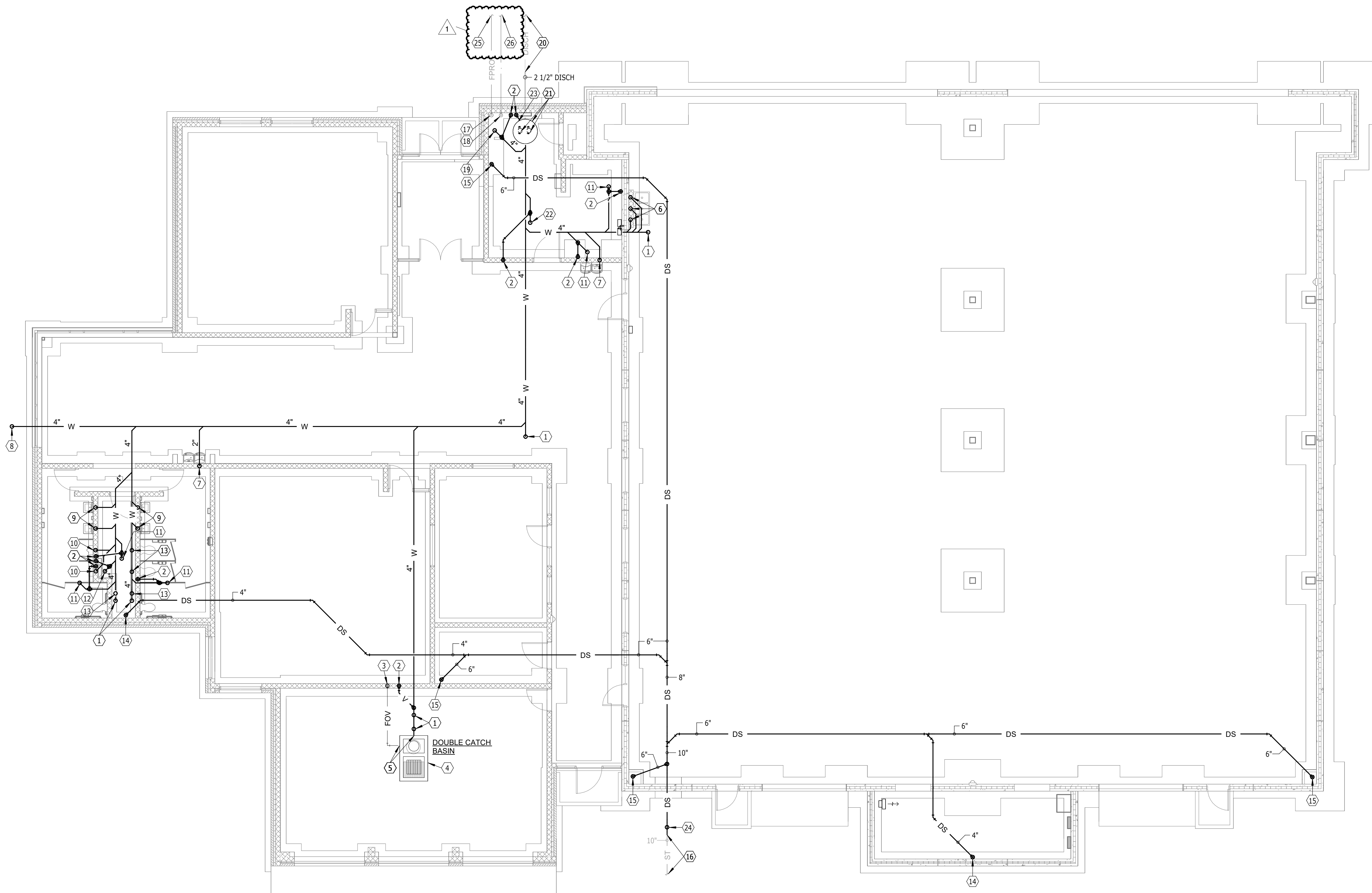
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SOUTHEAST TECHNICAL COLLEGE HOUSE CONSTRUCTION LAB
 UNDERFLOOR PLAN - PLUMBING - BASE BID

Project number	1219.3155.25
date	APRIL 3, 2026
revision	
drawn	DWM checked Td

DATE	DESCRIPTION
4-14-2026	Addendum #1

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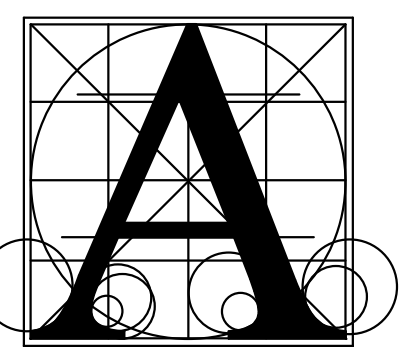
N
 UNDERFLOOR PLAN - PLUMBING - ADD ALTERNATE
 SCALE 0 4 8 12 16

GENERAL SHEET NOTES

- A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
- B. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.
- C. MAINTAIN REQUIRED ELECTRICAL CLEARANCES FOR MECHANICAL EQUIPMENT.

PLUMBING & HEATING NOTES

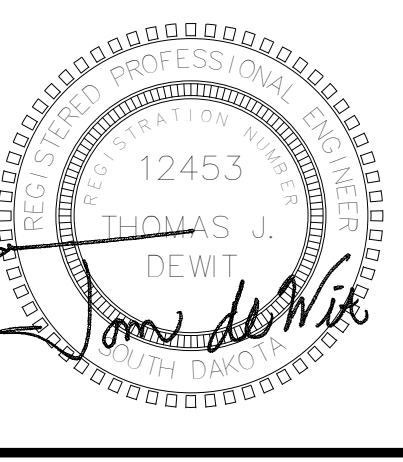
- 1 4" W UP TO CO
- 2 2" W UP
- 3 2" FOV UP
- 4 DOUBLE CATCH BASIN BY G.C. SEE DOUBLE CATCH BASIN DETAIL FOR INTERNAL PIPING REQUIREMENTS
- 5 CONNECT TO DOUBLE CATCH BASIN
- 6 2" W UP TO SK
- 7 2" W UP TO EWC
- 8 4" W UP TO GRADE CO. INSTALL PIPING 24" BELOW GRADE FOR FUTURE PLBG FIXTURES
- 9 2" W UP TO LAV
- 10 2" W UP TO UR
- 11 2" W UP TO FD
- 12 3" W UP TO MSK
- 13 4" W UP TO WC
- 14 4" DS UP
- 15 6" DS UP
- 16 CONNECT TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 17 FIRE PROTECTION SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWING FOR CONTINUATION
- 18 WATER SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 19 4" W UP TO FSK
- 20 CONNECT 2" DISCH FROM SEWAGE PUMPS TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 21 SEWAGE BASIN 3'6" DIA X 7'4" DEEP WITH DUPLEX SEWAGE PUMPS. SEE SEWAGE PUMP PIPING DETAIL
- 22 2" W UP TO FSK
- 23 CONNECT 2" V TO SEWAGE BASIN
- 24 FIRE PROTECTION SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWING FOR CONTINUATION
- 25 WATER SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION



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Project: **SOUTHEAST TECHNICAL COLLEGE HOUSE
 CONSTRUCTION LAB**

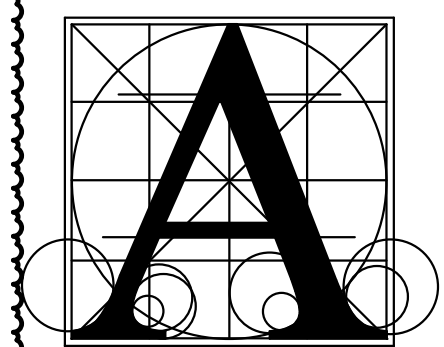
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number	1219.3155.25
date	APRIL 3, 2026
revision	
drawn	DWM
checked	Td

DATE	DESCRIPTION
4-14-2026	Addendum #1

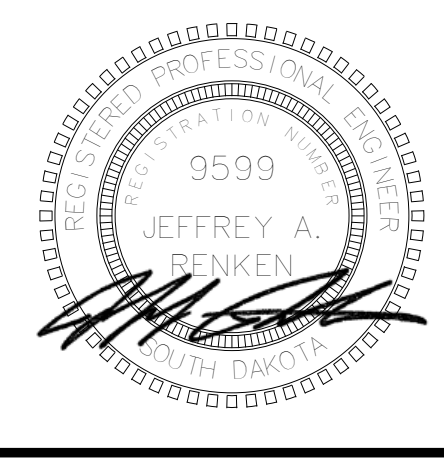
8.20A

- ELECTRICAL NOTES**
1. PROVIDE 8 STRAND SINGLE MODE FIBER IN INNERDUCT/RACEWAY FROM DATA RACK LOCATION IN SERVER ROOM 104 TO MDF DATA RACK LOCATION IN ED WOOD TRADE AND INDUSTRY CENTER ROOM 203A. DIRECTIONAL BORE AS REQUIRED AND RESTORE ALL SURFACES. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE ROUTE THROUGH EXISTING BUILDING WITH OWNER.
 2. MONITOR POST ISOLATION VALVE WITH FIRE ALARM SYSTEM. VERIFY LOCATION AND COORDINATE REQUIREMENTS WITH FIRE PROTECTION CONTRACTOR.
 3. THE APPROXIMATE DISTANCE FROM THE EDGE OF THE PARKING LOT TO THE ED WOOD TRADE AND INDUSTRY CENTER BUILDING IS 175'. PROVIDE TWO (2) 2" CONDUIT STUB OUTS FOR FUTURE ADDITION POWER. EXTEND TO LOCATIONS SHOWN. CAP AND MARK FOR FUTURE USE AND PROVIDE PULL STRINGS.
 5. DO NOT INSTALL ANY UNDERGROUND ELECTRICAL WITHIN THIS AREA.
- GENERAL SHEET NOTES**
- A. SITE PLAN BACKGROUND IS FOR REFERENCE ONLY. SEE CIVIL DOCUMENTS.
 - B. LOCATE ALL PUBLIC AND PRIVATE ELECTRICAL UTILITIES FOR CONSTRUCTION. PROTECT OR REROUTE AS NECESSARY.

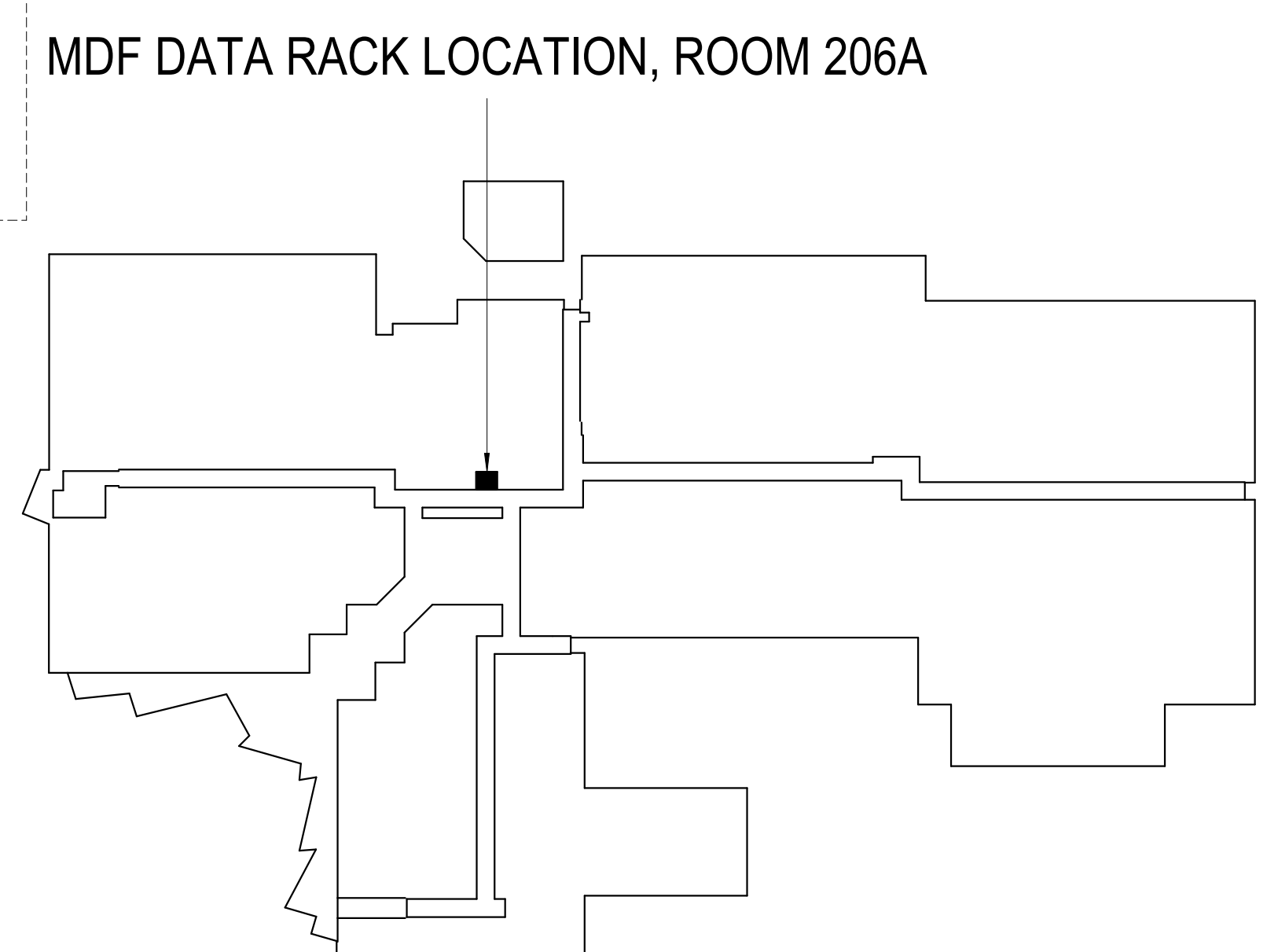
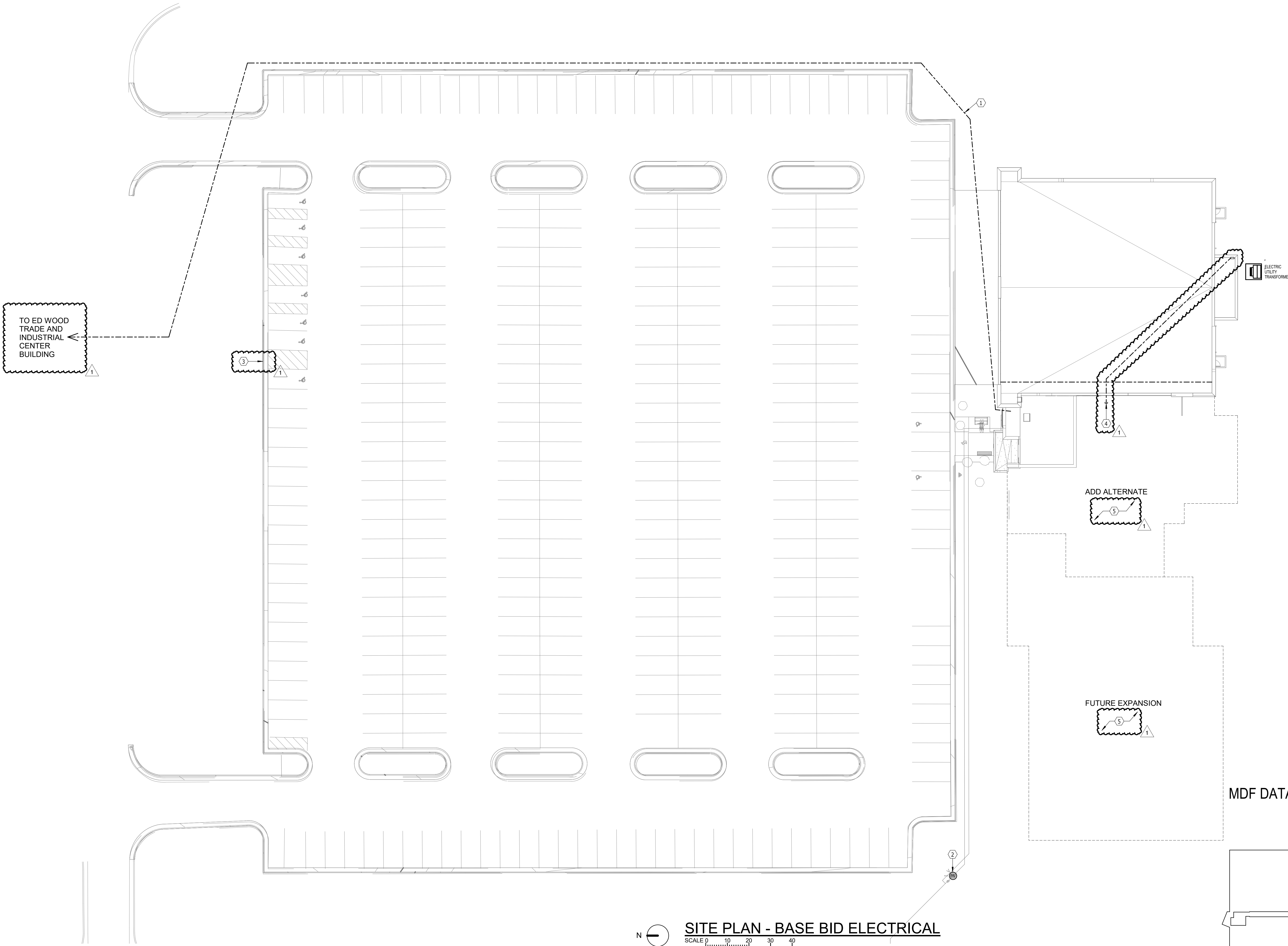


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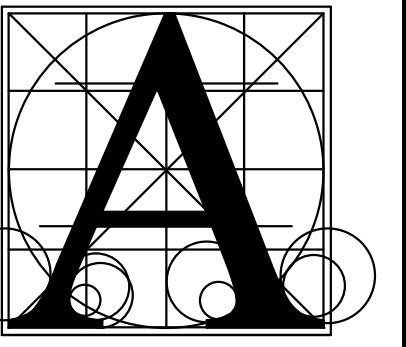


SITE PLAN - BASE BID ELECTRICAL
 SCALE 0 10 20 30 40

ED WOOD TRADE AND INDUSTRY CENTER KEYPLAN

SOUTHEAST TECHNICAL COLLEGE HOUSE CONSTRUCTION LAB
 SITE PLAN BASE BID - ELECTRICAL

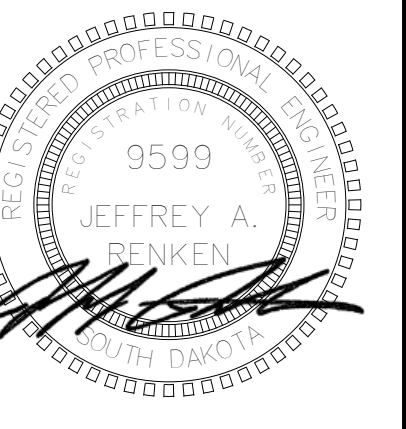
Project number	1219.3155.25
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drawn	ACH
checked	JLJ
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4-14-2026	Addendum #1



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PROJECT: **SOUTHEAST TECHNICAL COLLEGE HOUSE
CONSTRUCTION LAB**

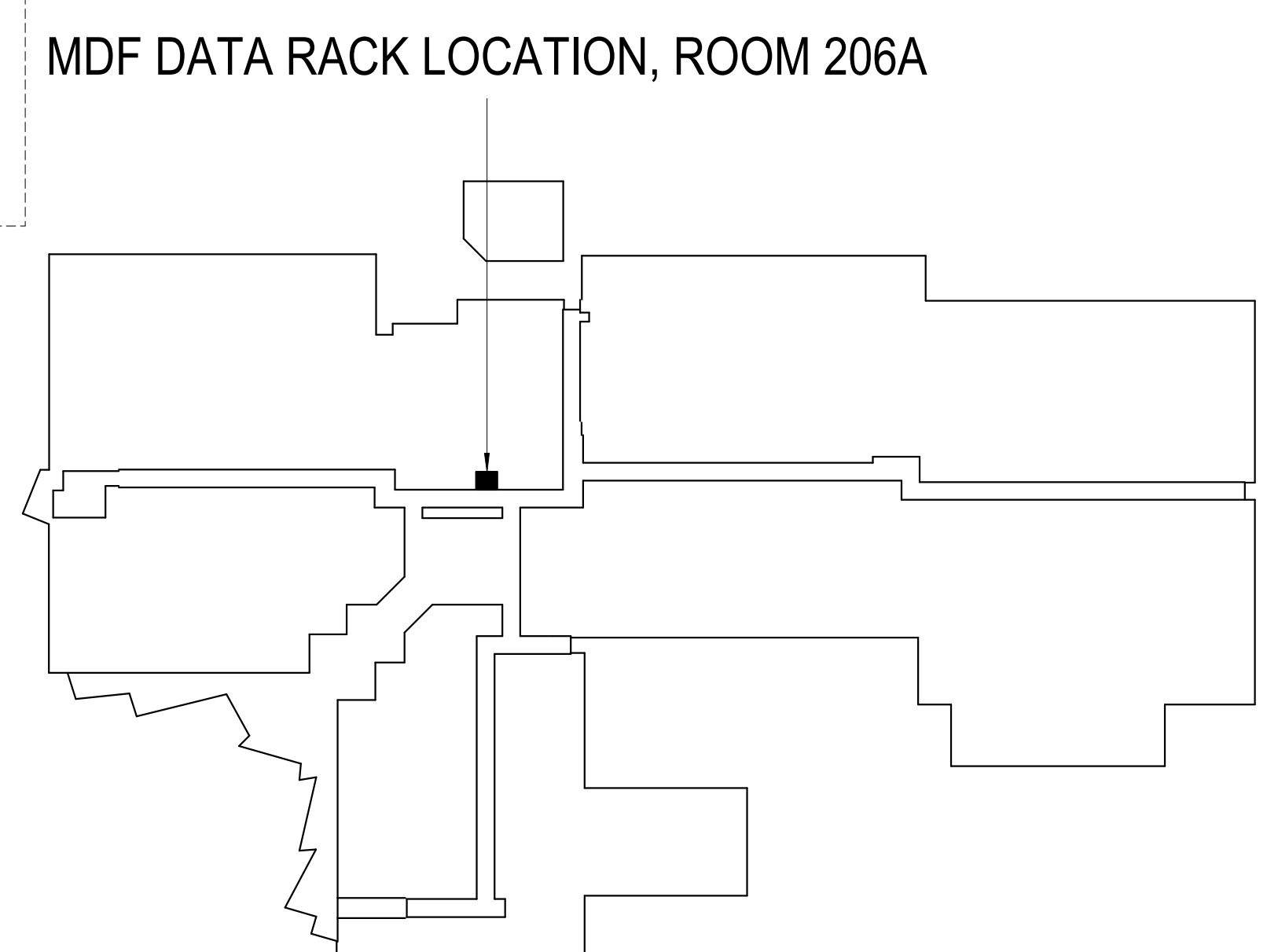
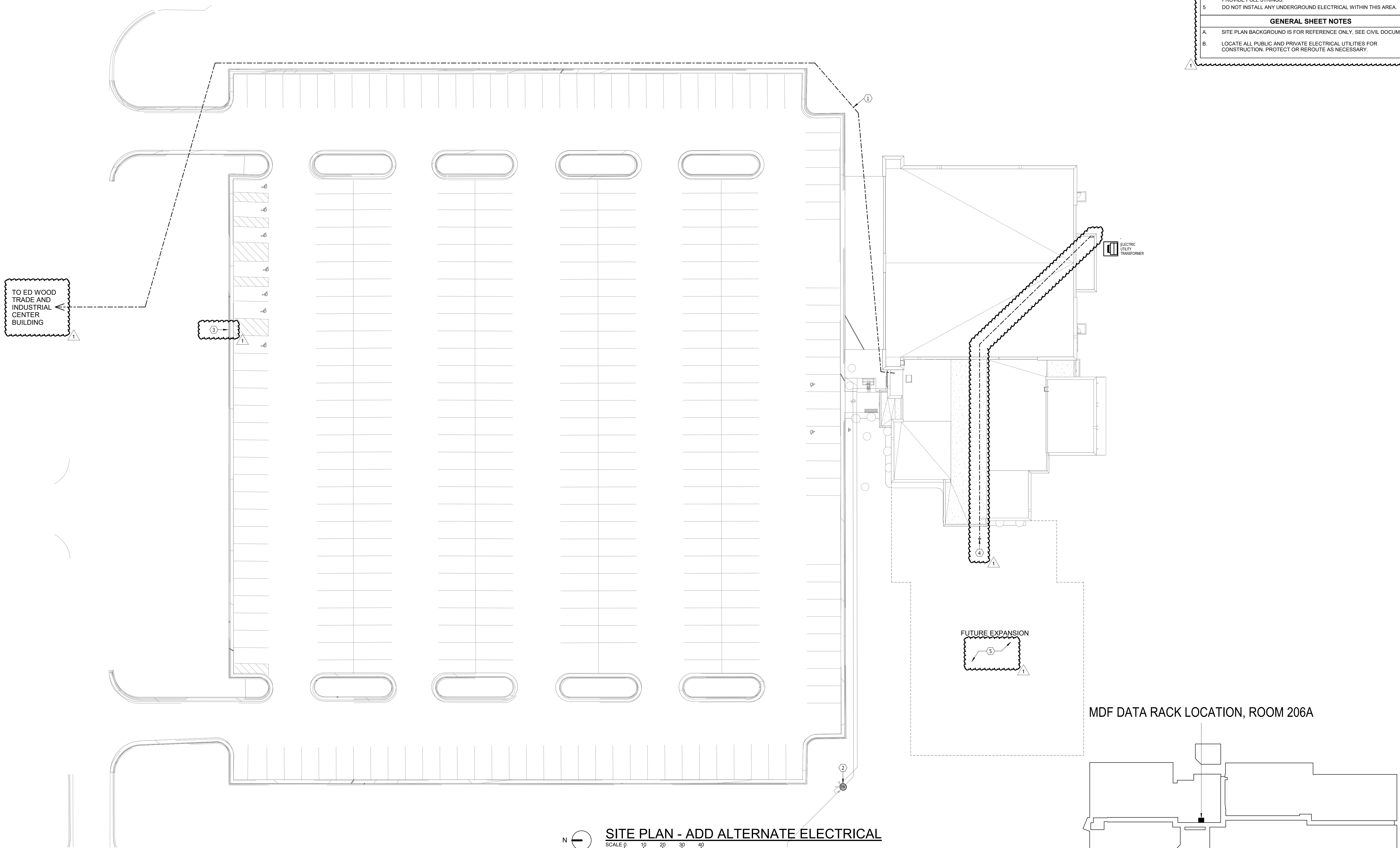
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number: 1219.3155.25
date: APRIL 3, 2026
revision:
drawn: ACH checked: JLU

DATE: 4-14-2026 DESCRIPTION: Addendum #1

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- ELECTRICAL NOTES**
1. PROVIDE 8 STRAND SINGLE MODE FIBER IN INNERDUCT/RACEWAY FROM DATA RACK LOCATION IN SERVER ROOM 104 TO MDF DATA RACK LOCATION IN ED WOOD TRADE AND INDUSTRY CENTER ROOM 203A. DIRECTIONAL BORE AS REQUIRED AND RESTORE ALL SURFACES. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE ROUTE THROUGH EXISTING BUILDING WITH OWNER.
 2. MONITOR POST ISOLATION VALVE WITH FIRE ALARM SYSTEM. VERIFY LOCATION AND COORDINATE REQUIREMENTS WITH FIRE PROTECTION CONTRACTOR.
 3. THE APPROXIMATE DISTANCE FROM THE EDGE OF THE PARKING LOT TO THE ED WOOD TRADE AND INDUSTRIAL CENTER BUILDING IS 175'.
 4. PROVIDE TWO (2) 2" CONDUIT STUB OUTS FOR FUTURE ADDITION POWER. EXTEND TO LOCATIONS SHOWN. CAP AND MARK FOR FUTURE USE AND PROVIDE PULL STRINGS.
 5. DO NOT INSTALL ANY UNDERGROUND ELECTRICAL WITHIN THIS AREA.
- GENERAL SHEET NOTES**
- A. SITE PLAN BACKGROUND IS FOR REFERENCE ONLY. SEE CIVIL DOCUMENTS.
 - B. LOCATE ALL PUBLIC AND PRIVATE ELECTRICAL UTILITIES FOR CONSTRUCTION. PROTECT OR REROUTE AS NECESSARY.



ED WOOD TRADE AND INDUSTRY CENTER
KEYPLAN

SITE PLAN - ADD ALTERNATE ELECTRICAL
SCALE 0 10 20 30 40

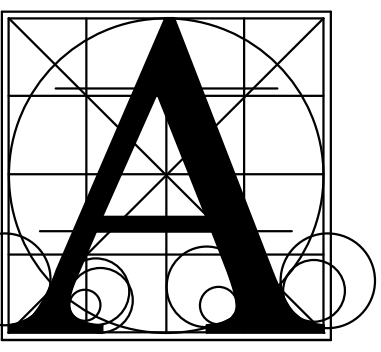
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LIGHTING FIXTURE SCHEDULE - BASE BID														
TYPE	COUNT	DESCRIPTION	CATALOG NUMBER	MANUFACTURER	ALT	MOUNT	LED	CCT	DIRECT LUMENS	INDIRECT LUMENS	VOLTAGE	WATTAGE	DIMMING	NOTES
A	6	2'X4' RECESSED FLAT PANEL WITH BATTERY BACKUP	24CGTS-L3C3	METALUX	COLUMBIA DAYBRITE WILLIAMS LITHONIA	RECESSED	LED	4000K	5200 LUMENS	--	UNV	53W	0-10V, 10% DIMMING	1
AE	4	2'X4' RECESSED FLAT PANEL WITH BATTERY BACKUP	24CGTS-L3C3-EL14W	METALUX	COLUMBIA DAYBRITE WILLIAMS LITHONIA	RECESSED	LED	4000K	5200 LUMENS	--	UNV	53W	0-10V, 10% DIMMING	1
C1	6	4" ROUND SHALLOW RECESSED DOWNLIGHT	IV04S-D-15LM-40K-80CRI-MWD-MN1-04MVOLT-ZT-ICAT-WL-P-AR-LSS-F	GOHAM	COLUMBIA DAYBRITE WILLIAMS LITHONIA	RECESSED	LED	4000K	1500 LUMENS	--	UNV	16W	0-10V, 10% DIMMING	2
D	2	4" LED STRIP LIGHT	LCL4-40ML-EDU	COLUMBIA	METALUX DAYBRITE WILLIAMS LITHONIA	SUSPENDED	LED	4000K	5200 LUMENS	--	UNV	42W	0-10V, 10% DIMMING	3
DE	2	4" LED STRIP LIGHT	LCL4-40ML-EDU-ELL14	COLUMBIA	METALUX DAYBRITE WILLIAMS LITHONIA	SUSPENDED	LED	4000K	5200 LUMENS	--	UNV	42W	0-10V, 10% DIMMING	3
E1	4	EXIT SIGN	SESRW	DUAL-LITE	SURE-LITES LIGHTALARMS EMERGI-LITES LITHONIA	SURFACE	LED	--	--	--	UNV	4W	--	4
E6	3	EMERGENCY EGRESS PATH LIGHT FIXTURE	BZLUXSD-CW-FT	EMERGI-LITE	SURE-LITES LIGHTALARMS EMERGI-LITES LITHONIA	SURFACE	LED	4000K	400 LUMENS	--	UNV	12W	--	5
M1	25	SELECTABLE HIGH BAY	SPHB-2436SE-M-UNV-L84050-CD	METALUX	COLUMBIA DAYBRITE WILLIAMS LITHONIA	SUSPENDED	LED	4000K/5000K SELECTABLE	24,000/30,000/36,000 SELECTABLE LUMENS	--	UNV	249W	0-10V, 10% DIMMING	6
M1E	5	SELECTABLE HIGH BAY WITH EMERGENCY BACKUP	SPHB-2436SE-M-JUNV-L84050-EL14W-HV-CD	METALUX	COLUMBIA DAYBRITE WILLIAMS LITHONIA	SUSPENDED	LED	4000K/5000K SELECTABLE	24,000/30,000/36,000 SELECTABLE LUMENS	--	UNV	249W	0-10V, 10% DIMMING	6
M2	2	SELECTABLE HIGH BAY	SPHB-1224SE-M-UNV-L84050-CD	METALUX	COLUMBIA DAYBRITE WILLIAMS LITHONIA	SUSPENDED	LED	4000K/5000K SELECTABLE	12,000/18,000/24,000 SELECTABLE LUMENS	--	UNV	164W	0-10V, 10% DIMMING	7
W1	10	EXTERIOR WALL PACK	PRV-PA1A-740-U-T3-WM-BZ	LUMARK	BEACON CREE WILLIAMS LITHONIA	SURFACE	LED	4000K	7600 LUMENS	--	UNV	54W	0-10V, 10% DIMMING	
W2	2	EXTERIOR WALL PACK	PRV-P-PA1A-740-U-T3-WM-BZ	LUMARK	BEACON CREE WILLIAMS LITHONIA	SURFACE	LED	4000K	4400 LUMENS	--	UNV	31W	0-10V, 10% DIMMING	

- LF5 NOTES:
1. FIXTURE SHALL HAVE FIELD SELECTABLE LUMEN OUTPUT AND CCT. SET TO MEDIUM (APPROXIMATELY 5000 LUMENS @ 4000CCT).
 2. LOW PROFILE (<1.5" DEPTH), AIR TIGHT, & A WET LOCATION RATED.
 3. CABLE HUNG AT HEIGHTS INDICATED ON PLAN SHEETS.
 4. SINGLE STENCIL FACE, RED LETTERS, WHITE HOUSING, SELF-TESTING/SELF-DIAGNOSTIC ELECTRONICS, OPERATIONAL APPROX. 100,000 HOURS AS INDICATED.
 5. LED ARCHITECTURAL, LOW PROFILE, EXTERIOR WALL MOUNTED REMOTE EMERGENCY LUMINAIRE, BRONZE FINISH, COULD BE HEATER RATED BACKUP BATTERY (MINIMUM OF 48 LUMENS).
 6. FIXTURE SHALL HAVE FIELD SELECTABLE LUMEN OUTPUT AND CCT. SET TO LOW (APPROXIMATELY 2400 LUMENS @ 4000CCT).
 7. FIXTURE SHALL HAVE FIELD SELECTABLE LUMEN OUTPUT AND CCT. SET TO LOW (APPROXIMATELY 1200 LUMENS @ 4000CCT).

ELECTRICAL NOTES

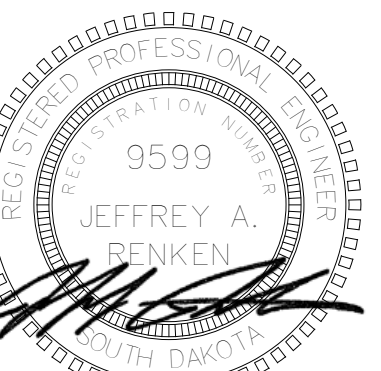
1. CONTROL EXTERIOR LIGHTING WITH PHOTOCELL. SEE EXTERIOR LIGHTING CONTROL DIAGRAM.
 2. CONTROL BUILDING MOUNTED SIGNAGE WITH PHOTOCELL. SEE EXTERIOR LIGHTING CONTROL DIAGRAM.
 3. INSTALL J-BOX ON INTERIOR OF BUILDING FOR BUILDING MOUNTED SIGNAGE. COORDINATE QTY (3) EXTERNAL CONNECTION LOCATIONS WITH OWNER'S SIGN VENDOR. CORE DRILL PRECAST WALL AND PROVIDE ELECTRICAL CONNECTIONS FOR QTY (3) LOCATIONS PER SIGN.
 4. TO THE EXTENT POSSIBLE, EMBED ELECTRICAL CONDUIT, BOX ASSEMBLIES AND REQUIRED HARDWARE IN THE PRECAST WALL PANELS.
- GENERAL SHEET NOTES**
- A. LIGHTING FIXTURES DENOTED "NL" INDICATE 24/7 NIGHTLIGHT OPERATION FOR SECURITY CONSIDERATIONS. SHADED FIXTURES ARE EMERGENCY LIGHTING FIXTURES WITH INTEGRAL BATTERY BACKUP FOR LIFE SAFETY CODE REQUIREMENTS.
 - B. COORDINATE EXACT INSTALLATION OF LIGHT FIXTURES IN ALL SHARED MECHANICAL/STORAGE ROOMS TO ACCOMMODATE MECHANICAL EQUIPMENT, SHIFT AS NECESSARY.
 - C. THE CEILING SPACE AVAILABLE REQUIRES EXTENSIVE COORDINATION WITH OTHER TRADES. THE CONTRACTOR SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.



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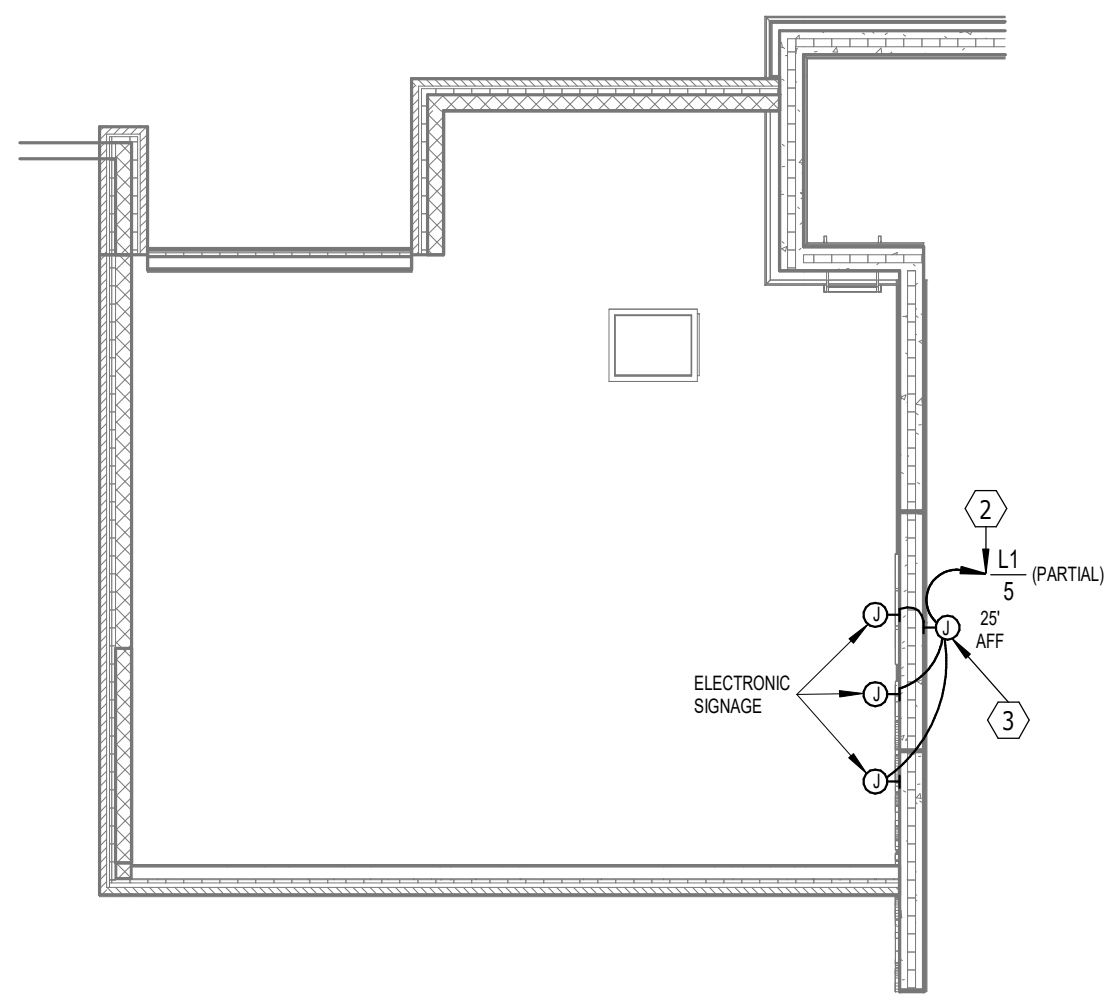
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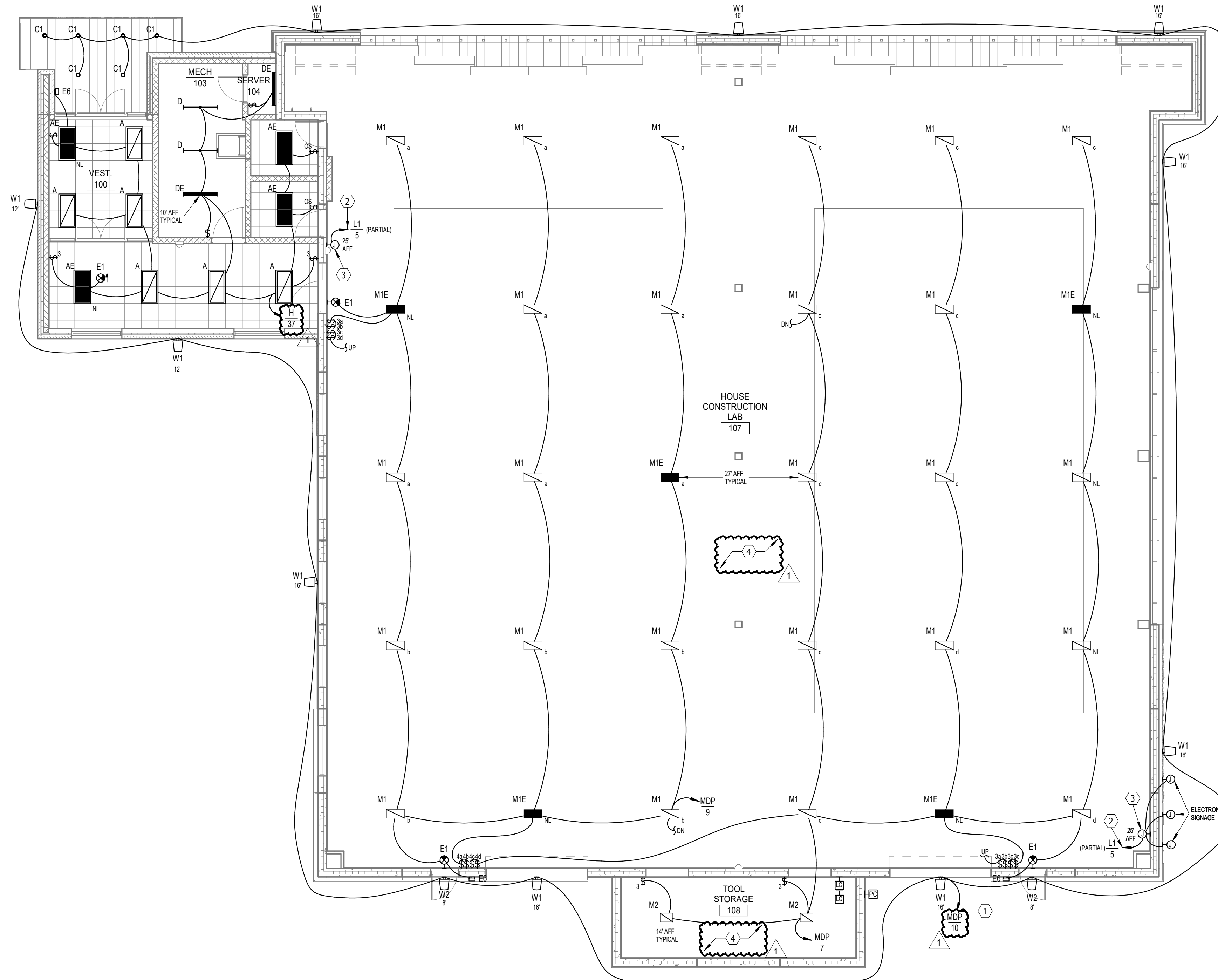


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WEST FACE SIGNAGE - BASE BID
SCALE 0 4 8 12 16



MAIN FLOOR PLAN - BASE BID LIGHTING
SCALE 0 4 8 12 16

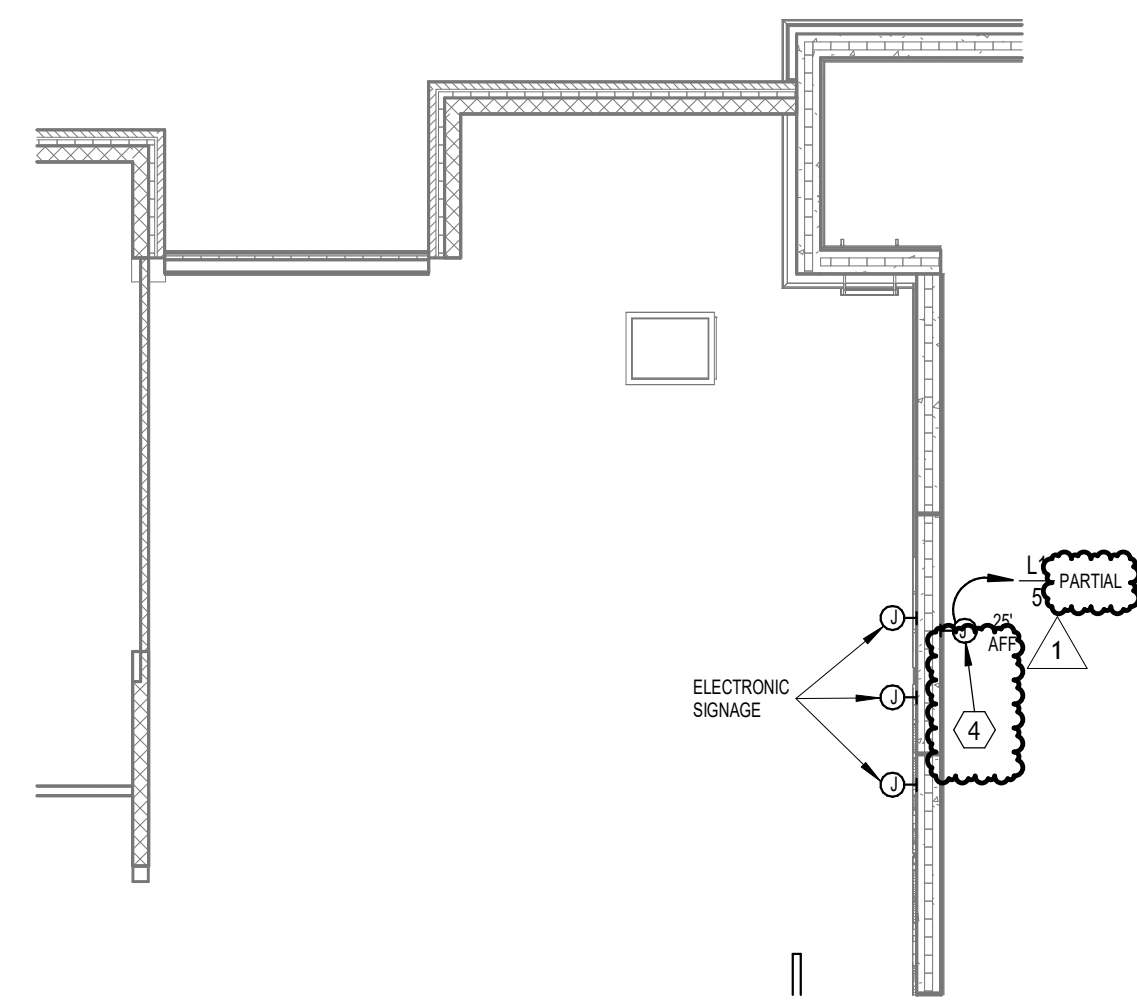
SOUTHEAST TECHNICAL COLLEGE HOUSE CONSTRUCTION LAB

MAIN FLOOR PLAN - BASE BID LIGHTING

Project number: 1219.3155.25
date: APRIL 3, 2026
revision:
drawn: ACH checked: JLU

DATE: 4-14-2026
DESCRIPTION: Addendum #1

9.31

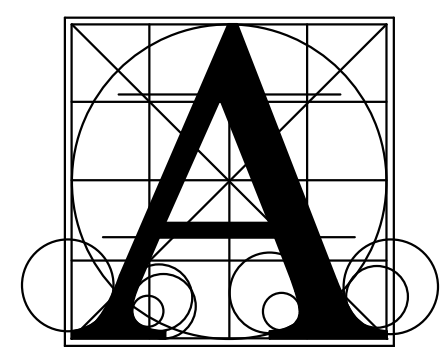


WEST FACE SIGNAGE - ADD ALTERNATE

LIGHTING FIXTURE SCHEDULE - ADD ALTERNATE														
TYPE	COUNT	DESCRIPTION	CATALOG NUMBER	MANUFACTURER	ALT	MOUNT	LED	CCT	DIRECT LUMENS	INDIRECT LUMENS	VOLTAGE	WATTAGE	DIMMING	NOTES
A	11	2x4' RECESSED FLAT PANEL	24CGTS-L3C3	COLUMBIA DAYBRITE WILLIAMS LITHONIA	METALLUX	RECESSED	LED	4000K	5200 LUMENS	--	UNV	53W	0-10V, 10% DIMMING	1
AE	4	2x4' RECESSED FLAT PANEL WITH BATTERY BACKUP	24CGTS-L3C3-EL14W	COLUMBIA DAYBRITE WILLIAMS LITHONIA	METALLUX	RECESSED	LED	4000K	5200 LUMENS	--	UNV	53W	0-10V, 10% DIMMING	1
C1	19	4" ROUND SHALLOW RECESSED DOWNLIGHT	IV04S-D-15LM-40K-80CRI-MWD-MIN10-MVOLT-Z-T-CAT-WLP-AR-LSS-F	GOTHAM	COLUMBIA DAYBRITE WILLIAMS LITHONIA	RECESSED	LED	4000K	1500 LUMENS	--	UNV	16W	0-10V, 10% DIMMING	2
D	8	4" LED STRIP LIGHT	LCL4-40ML-EDU	COLUMBIA DAYBRITE WILLIAMS LITHONIA	METALLUX	SUSPENDED	LED	4000K	5200 LUMENS	--	UNV	42W	0-10V, 10% DIMMING	3
DE	2	4" LED STRIP LIGHT	LCL4-40ML-EDU-ELL14	COLUMBIA DAYBRITE WILLIAMS LITHONIA	METALLUX	SUSPENDED	LED	4000K	5200 LUMENS	--	UNV	42W	0-10V, 10% DIMMING	3
E1	6	EXIT SIGN	SESRWNEI	DUAL-LITE	SURE-LITE LIGHTALARMS EMERGLITES LITHONIA	SURFACE	LED	--	--	--	UNV	4W	--	4
E2	1	DUAL FACE EXIT SIGN	SEDRWNEI	DUAL-LITE	SURE-LITE LIGHTALARMS EMERGLITES LITHONIA	SURFACE	LED	--	--	--	UNV	4W	--	5
E6	4	EMERGENCY EGRESS PATH LIGHT FIXTURE	BZLUXSD-CW-FT	EMERGH-LITE	DUAL-LITE SURE-LITE WILLIAMS LITHONIA	SURFACE	LED	4000K	400 LUMENS	--	UNV	12W	--	6
L1	9	ARCHITECTURAL LINEAR	S124DP-C575D840-C10JBW-XF0-1-UDD-F-W	NEORAY	DAYBRITE MARK LIGHTING CURRENT COLUMBIA DAYBRITE WILLIAMS LITHONIA	SUSPENDED	LED	4000K	575 LUMENS/FT	--	UNV	11.1W/FT	0-10V, 10% DIMMING	7.9
L2	7	ARCHITECTURAL LINEAR	S124DP-C1020D840-C10JBW-12FD-1-UDD-F-W	NEORAY	DAYBRITE MARK LIGHTING CURRENT COLUMBIA DAYBRITE WILLIAMS LITHONIA	SUSPENDED	LED	4000K	1020 LUMENS/FT	--	UNV	11.1W/FT	0-10V, 10% DIMMING	8.9
M1	25	SELECTABLE HIGH BAY	SPHB-2436SE-M-UNV-L84050-CD	METALLUX	DAYBRITE WILLIAMS LITHONIA	SUSPENDED	LED	4000K/5000K SELECTABLE	24,000/30,000/36,000 SELECTABLE LUMENS	--	UNV	248W	0-10V, 10% DIMMING	10
M1E	5	SELECTABLE HIGH BAY WITH EMERGENCY BACKUP	SPHB-2436SE-M-UNV-L84050-EL14WHV-CD	METALLUX	DAYBRITE WILLIAMS LITHONIA	SUSPENDED	LED	4000K/5000K SELECTABLE	24,000/30,000/36,000 SELECTABLE LUMENS	--	UNV	248W	0-10V, 10% DIMMING	10
M2	8	SELECTABLE HIGH BAY	SPHB-1224SE-W-UNV-L84050-CD	METALLUX	COLUMBIA DAYBRITE WILLIAMS LITHONIA	SUSPENDED	LED	4000K/5000K SELECTABLE	12,000/18,000/24,000 SELECTABLE LUMENS	--	UNV	164W	0-10V, 10% DIMMING	11
W1	13	EXTERIOR WALL PACK	PRV-PA1B-740-U-T3-WM-BZ	LUMARK	BEACON CREE WILLIAMS LITHONIA	SURFACE	LED	4000K	7600 LUMENS	--	UNV	54W	0-10V, 10% DIMMING	
W2	2	EXTERIOR WALL PACK	PRV-PA1A-740-U-T3-WM-BZ	LUMARK	BEACON CREE WILLIAMS LITHONIA	SURFACE	LED	4000K	4400 LUMENS	--	UNV	31W	0-10V, 10% DIMMING	

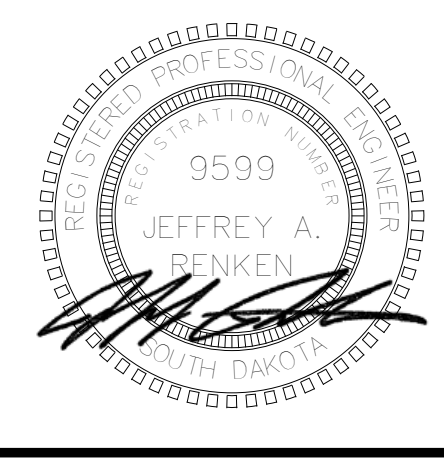
- LF5 NOTES:
1. FIXTURE SHALL HAVE FIELD SELECTABLE LUMEN OUTPUT AND CCT. SET TO MEDIUM (APPROXIMATELY 5000 LUMENS & 4000CT).
 2. LOW PROFILE (1.5" DEPTH), AIR TIGHT, & A WREN LOCATION RATED.
 3. CABLE HUNG AT HEIGHTS INDICATED ON PLAN SHEETS.
 4. SINGLE STENCIL FACE, RED LETTERS, WHITE HOUSING, SELF-TESTING/SELF-DIAGNOSTIC ELECTRONICS, DIRECTIONAL ARROWS AND INDICATED AS NOTED.
 5. DUAL STENCIL FACE, RED LETTERS, WHITE HOUSING, SELF-TESTING/SELF-DIAGNOSTIC ELECTRONICS, DIRECTIONAL ARROWS AND INDICATED AS NOTED.
 6. LED (MEDIUM/LOW PROFILE) EXTERIOR WALL MOUNTED RECYCLE EMERGENCY LUMINAIRE. TO THE EXTENT POSSIBLE, EMBED ELECTRICAL CONDUIT, BOX ASSEMBLIES AND REQUIRED HARDWARE IN THE PRECAST WALL PANELS.
 7. SEE PLAN SHEETS FOR FIXTURE LENGTHS, CABLE HUNG AT HEIGHTS INDICATED ON PLAN SHEETS.
 8. SEE PLAN SHEETS FOR FIXTURE LENGTHS, CABLE HUNG, MOUNT BOTTOM OF FIXTURE LEVEL WITH BOTTOM OF ADJACENT GYPSUM CEILING GRID.
 9. PROVIDE EMERGENCY BATTERY BACKUP FOR ALL SECTIONS AS INDICATED ON PLAN SHEETS.
 10. FIXTURE SHALL HAVE FIELD SELECTABLE LUMEN OUTPUT AND CCT. SET TO LOW (APPROXIMATELY 2400 LUMENS & 4000CT).
 11. FIXTURE SHALL HAVE FIELD SELECTABLE LUMEN OUTPUT AND CCT. SET TO LOW (APPROXIMATELY 1200 LUMENS & 4000CT).

- ELECTRICAL NOTES**
1. PROVIDE BATTERY BACKUP AND NIGHTLIGHT THIS 4' SECTION OF LUMINAIRE. CONTROL EXTERIOR LIGHTING WITH PHOTOCELL. SEE EXTERIOR LIGHTING CONTROL DIAGRAM.
 2. CONTROL EXTERIOR LIGHTING WITH PHOTOCELL. SEE EXTERIOR LIGHTING CONTROL DIAGRAM.
 3. CONTROL BUILDING MOUNTED SIGNAGE WITH PHOTOCELL. SEE EXTERIOR LIGHTING CONTROL DIAGRAM.
 4. INSTALL J-BOX ON INTERIOR OF BUILDING FOR BUILDING MOUNTED SIGNAGE. COORDINATE QTY (3) EXTERNAL CONNECTION LOCATIONS AND OWNERS SIGN VENDOR. CORE DRILL PRECAST WALL AND PROVIDE ELECTRICAL CONNECTIONS FOR QTY (3) LOCATIONS PER SIGN.
 5. TO THE EXTENT POSSIBLE, EMBED ELECTRICAL CONDUIT, BOX ASSEMBLIES AND REQUIRED HARDWARE IN THE PRECAST WALL PANELS.
- GENERAL SHEET NOTES**
- A. LIGHTING FIXTURES DENOTED "NL" INDICATE 247 NIGHTLIGHT OPERATION FOR SECURITY CONSIDERATIONS. SHADDED FIXTURES ARE EMERGENCY LIGHTING FIXTURES WITH INTEGRAL BATTERY BACKUP FOR LIFE SAFETY CODE REQUIREMENTS.
 - B. COORDINATE EXACT INSTALLATION OF LIGHT FIXTURES IN ALL SHARED MECHANICAL/ STORAGE ROOMS TO ACCOMMODATE MECHANICAL EQUIPMENT, SHIFT AS NECESSARY.
 - C. THE CEILING SPACE AVAILABLE REQUIRES EXTENSIVE COORDINATION WITH OTHER TRADES. THE CONTRACTOR SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.

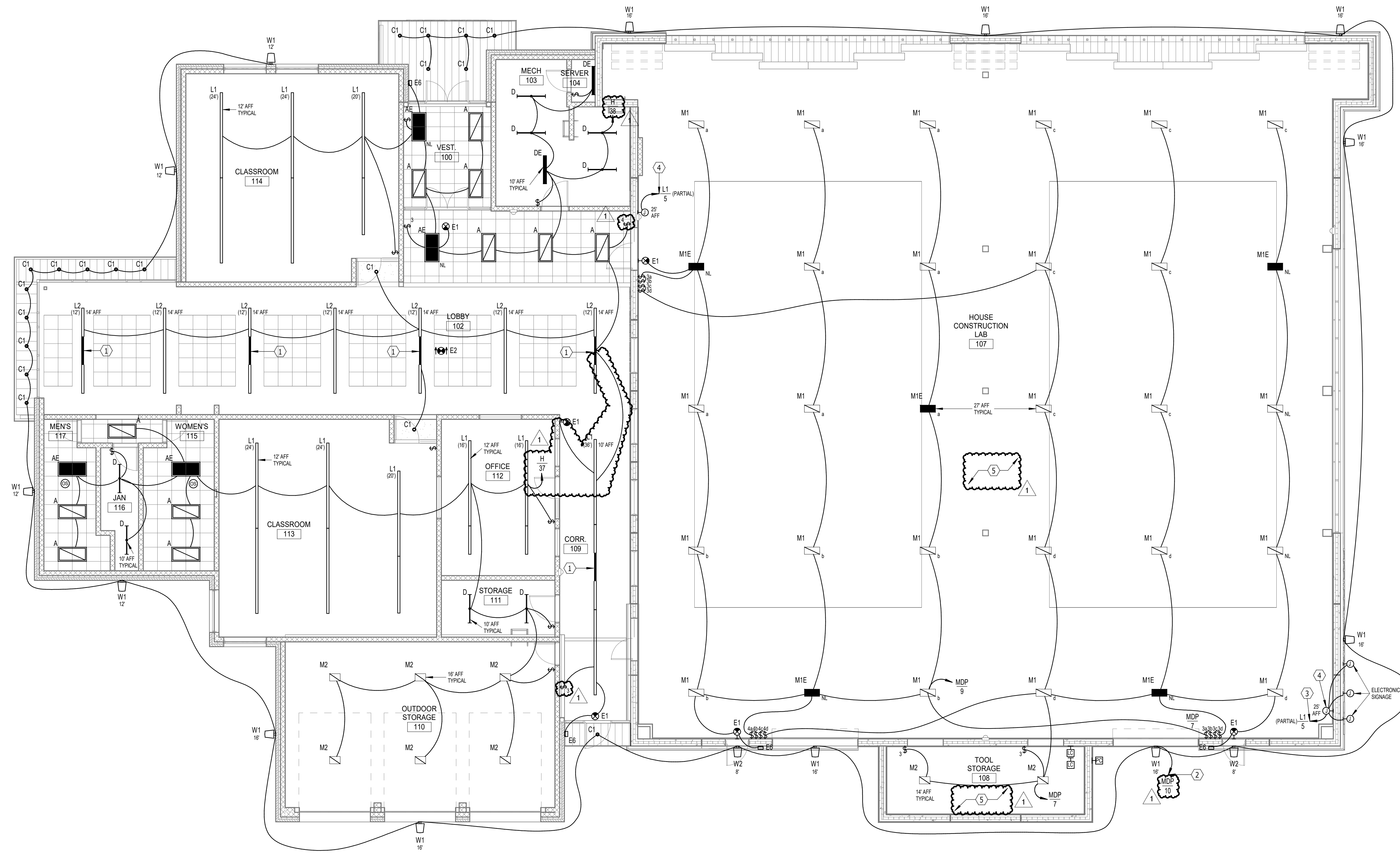


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MAIN FLOOR PLAN - ADD ALTERNATE LIGHTING

SOUTHEAST TECHNICAL COLLEGE HOUSE CONSTRUCTION LAB
 MAIN FLOOR PLAN - ADD ALTERNATE LIGHTING

number	1219.3155.25
date	APRIL 3, 2026
revision	
drawn	ACH checked JLU
DATE	DESCRIPTION
4-14-2026	Addendum #1

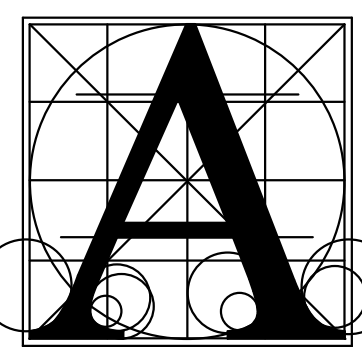
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EQUIPMENT CONNECTION SCHEDULE - BASE BID

UNIT	Identity	Voltage	Phase	Apparent Power	FLA	MCA	OCP	Runs	Conduit			Panel	Circuit	Type	Furnish	Install	Control			Disconnect			Interlock	Notes					
									No.	Size	Type						Size	Type	Size	Type	Type	Furnish			Install	Type	Furnish	Install	
CU-1	CONDENSING UNIT	208 V	1	3.1 kVA	15 A	15 A	25 A	1	2	10 AWG	Cu	10 AWG	Cu	10 AWG	Cu	34"	L2	9.11	--	--	--	BAS	MC	MC	NEMA 3R, FDS	EC	EC		1
CU-2	CONDENSING UNIT	208 V	1	3.1 kVA	15 A	15 A	25 A	1	2	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	L2	15.17	--	--	--	BAS	MC	MC	NEMA 3R, FDS	EC	EC	DSS-1	1,2
DSS-1	DUCTLESS SPLIT SYSTEM	208 V	1	0.1 kVA	0 A	0 A	15 A	1	2	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	L2	15.17	--	--	--	BAS	MC	MC	INTEGRAL	MC	MC		
EF-103	EXHAUST FAN	120 V	1	0.7 kVA	6 A	8 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	L2	7	--	--	--	BAS	MC	MC	INTEGRAL	MC	MC		
EF-107A	EXHAUST FAN	120 V	1	1.7 kVA	14 A	17 A	25 A	1	1	10 AWG	Cu	10 AWG	Cu	10 AWG	Cu	34"	L3	11	--	--	--	BAS	MC	MC	INTEGRAL	MC	MC		
EF-107B	EXHAUST FAN	120 V	1	1.7 kVA	14 A	17 A	25 A	1	1	10 AWG	Cu	10 AWG	Cu	10 AWG	Cu	34"	L1	7	--	--	--	BAS	MC	MC	INTEGRAL	MC	MC		
EF-107C	EXHAUST FAN	120 V	1	1.7 kVA	14 A	17 A	25 A	1	1	10 AWG	Cu	10 AWG	Cu	10 AWG	Cu	34"	L1	17	--	--	--	BAS	MC	MC	INTEGRAL	MC	MC		
EF-107D	EXHAUST FAN	120 V	1	1.7 kVA	14 A	17 A	25 A	1	1	10 AWG	Cu	10 AWG	Cu	10 AWG	Cu	34"	L1	19	--	--	--	BAS	MC	MC	INTEGRAL	MC	MC		
F-1	FURNACE	120 V	1	1.4 kVA	11 A	11 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	L2	1	--	--	--	BAS	MC	MC	INTEGRAL	MC	MC		
GUH-107A	GAS UNIT HEATER	120 V	1	1.3 kVA	11 A	14 A	20 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	L2	16	--	--	--	BAS	MC	MC	INTEGRAL	MC	MC		
GUH-107B	GAS UNIT HEATER	120 V	1	1.3 kVA	11 A	14 A	20 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	L3	9	--	--	--	BAS	MC	MC	INTEGRAL	MC	MC		
GUH-107C	GAS UNIT HEATER	120 V	1	1.3 kVA	11 A	14 A	20 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	L1	15	--	--	--	BAS	MC	MC	INTEGRAL	MC	MC		
GUH-107D	GAS UNIT HEATER	120 V	1	1.3 kVA	11 A	14 A	20 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	L1	9	--	--	--	BAS	MC	MC	INTEGRAL	MC	MC		
HVLS-1	CEILING FAN	480 V	3	2.1 kVA	3 A	3 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	MDP	13.5	--	--	--	INTEGRAL	MC	MC	NFDS	MFG	EC	FIRE ALARM	3
HVLS-2	CEILING FAN	480 V	3	2.1 kVA	3 A	3 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	MDP	2.4.6	--	--	--	INTEGRAL	MC	MC	NFDS	MFG	EC	FIRE ALARM	3
P-6	SEWAGE PUMP	480 V	3	2.9 kVA	4 A	4 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	H	7.9.11	--	--	--	CONTROL PANEL	MC	MC	INTEGRAL	MC	MC		4
P-7	SEWAGE PUMP	480 V	3	2.9 kVA	4 A	4 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	H	8.10.12	--	--	--	CONTROL PANEL	MC	MC	INTEGRAL	MC	MC		4
SF-107A	ECONOMIZER FAN	480 V	3	2.9 kVA	4 A	4 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	H	13.5	COMBO STARTER	EC	EC	BAS	MC	MC	INTEGRAL	MC	MC		5
SF-107B	ECONOMIZER FAN	480 V	3	2.9 kVA	4 A	4 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	34"	MDP	12.14.16	COMBO STARTER	EC	EC	BAS	MC	MC	INTEGRAL	MC	MC		5
WHTR-1	WATER HEATER	208 V	1	4.5 kVA	22 A	27 A	30 A	1	2	10 AWG	Cu	10 AWG	Cu	10 AWG	Cu	34"	L2	3.5	--	--	--	TANK SENSOR	MC	MC	NFDS	EC	EC		

EQUIPMENT CONNECTION SCHEDULE NOTES:
1. PROVIDE CURRENT LIMITING DEVICES FOR SIGHT CIRCUIT CURRENT CONSIDERATIONS.
2. PROVIDE AMBULATED FROM CONDENSING UNIT TO ROOM DRAINAGE SYSTEM.
3. PROVIDE FIRE ALARM RELAY AND INTERLOCK WITH FAN CONTROLLER AS REQUIRED FOR SHUTDOWN UPON ALARM.
4. PROVIDE ELECTRICAL CONNECTIONS TO CONTROL PANEL AND FROM CONTROL PANEL TO UNIT.
5. PROVIDE A COMBINATION STARTER/USED DISCONNECT SWITCH WITH HGL, 2ND & 3RD AUXILIARY CONTACTS AND PILOT LIGHTS. DISCONNECT AT UNIT AND CONTROL BY MC.

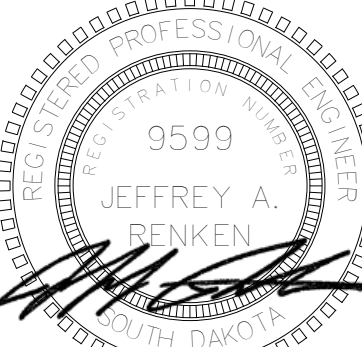
- #### ELECTRICAL NOTES
- PROVIDE NEW MDF 2 POST DATA RACK & STRAND SINGLE-MODE FIBER TO DATA RACK LOCATED IN ED WOOD TRAILER IN COMMUNICATION CENTER ROOM 203A. GROUND BAR AND GROUND PER SPECIFICATIONS.
 - FUTURE SERVICE RATED DISCONNECT SWITCH "MDS-2". PROVIDE RACEWAY TO CT CABINET AND STUB OUT FOR FUTURE BUILDING EXPANSION TO THE EXTENT POSSIBLE. EMBED ELECTRICAL CONDUIT, BOX ASSEMBLIES AND REQUIRED HARDWARE IN THE PRECAST WALL PANELS.
 - PROVIDE HEAT TRACE FOR APPROXIMATELY 3 FEET OF EXTERIOR ROOF DRAIN PIPING. COORDINATE INSTALLATION WITH MC.
 - COLOCATE WEATHERPROOF FIRE ALARM NOTIFICATION DEVICE WITH FIRE DEPARTMENT CONNECTION (FDC).
 - VERIFY QUANTITY OF FLOW AND TAMPER SWITCHES WITH FIRE SPRINKLER.
 - PROVIDE HEAVY DUTY WALL HEATER EQUAL TO BERKO HJMAA SERIES. 480V, 3 PHASE, 3KW, 3.6FLA WITH INTEGRAL DISCONNECTING MEANS, WALL MOUNT BRACKET AND 24V RELAY FOR EXTERNAL CONTROL. CONTROL BY MC.
 - PROVIDE HEAVY DUTY WALL HEATER EQUAL TO DQMARK EFCO SERIES. 480V, 1 PHASE, 8KW, 16.7FLA WITH INTEGRAL DISCONNECTING MEANS AND 24V RELAY FOR CONTROL. CONTROL BY MC.
 - PROVIDE NEW WIRELESS SYNCHRONIZED CLOCK SYSTEM TRANSMITTER. MOUNT HIGH IN THE ROOM ABOVE THE DATA RACK.
 - PROVIDE NEW WIRELESS ANALOG SYNCHRONIZED CLOCK. TYPICAL HVLS FAN CONTROLLER FOR HVLS 1 & 2 FURNISHED BY MC. INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE REQUIREMENTS WITH MC. PROVIDE FIRE ALARM RELAY AND INTERLOCK WITH FAN CONTROLLER AS REQUIRED FOR SHUTDOWN UPON ALARM.
 - PROVIDE ELECTRICAL CONNECTIONS TO ROLLING DOOR ASSEMBLIES AS REQUIRED FOR A FUNCTIONAL SYSTEM.
- #### GENERAL SHEET NOTES
- RECEPTACLES SHALL BE TAMPER RESISTANT IN ACCORDANCE WITH THE NEC AND LOCAL CODE REQUIREMENTS.
 - TELECOMMUNICATIONS OUTLETS TO BE COMPRISED OF (2) TWO DATA DROPS PER LOCATION, UNLESS OTHERWISE NOTED. CABLING TO BE CAT 6. PROVIDE ALL CONNECTIONS AND ASSOCIATED ITEMS AS REQUIRED FOR SYSTEM INTEGRITY. SEE SPECIFICATIONS.
 - PROVIDE (1D) CAT 6 DATA CABLING AT EACH CAMERA LOCATION SHOWN. ROUTE TO TELECOM RACK (DIF). CAMERAS SUPPLIED BY OWNER, INSTALLED BY ELECTRICAL CONTRACTOR.
 - WIRELESS ACCESS POINTS (WAP) TO HAVE (2) CAT 6A PER LOCATION. PROVIDE CABLING AND TERMINATIONS. WAP DEVICES SUPPLIED BY OWNER. INSTALLED BY ELECTRICAL CONTRACTOR.
 - COORDINATE QUANTITY AND LOCATION OF FIRE SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. PROVIDE ELECTRICAL CONNECTIONS, INITIATION DEVICES ETC. AS REQUIRED.
 - PROVIDE GFI CIRCUIT BREAKERS AS REQUIRED BY THE NEC AND LOCAL CODE REQUIREMENTS. GFI CIRCUIT BREAKERS ALLOWED IN LIEU OF GFI RECEPTACLES.
 - DOOR SECURITY EQUIPMENT SHALL BE PROVIDED BY OWNER. ELECTRICAL CONTRACTOR SHALL PROVIDE BACKBOX, RACEWAY, AND WIRING AT DESIGNATED LOCATIONS AS SHOWN ON PLANS AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. PLENUM-RATED CABLING SHALL BE MULTI-CONDUCTOR (24V) PER MANUFACTURER RECOMMENDATIONS (CARD READER, 22/4 TWISTED, STRANDED, SHIELDED - ELECTRIC STRIKE: 16/2 TWISTED, STRANDED, SHIELDED).
 - THE CEILING SPACE AVAILABLE REQUIRES EXTENSIVE COORDINATION WITH OTHER TRADES. THE CONTRACTOR SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.




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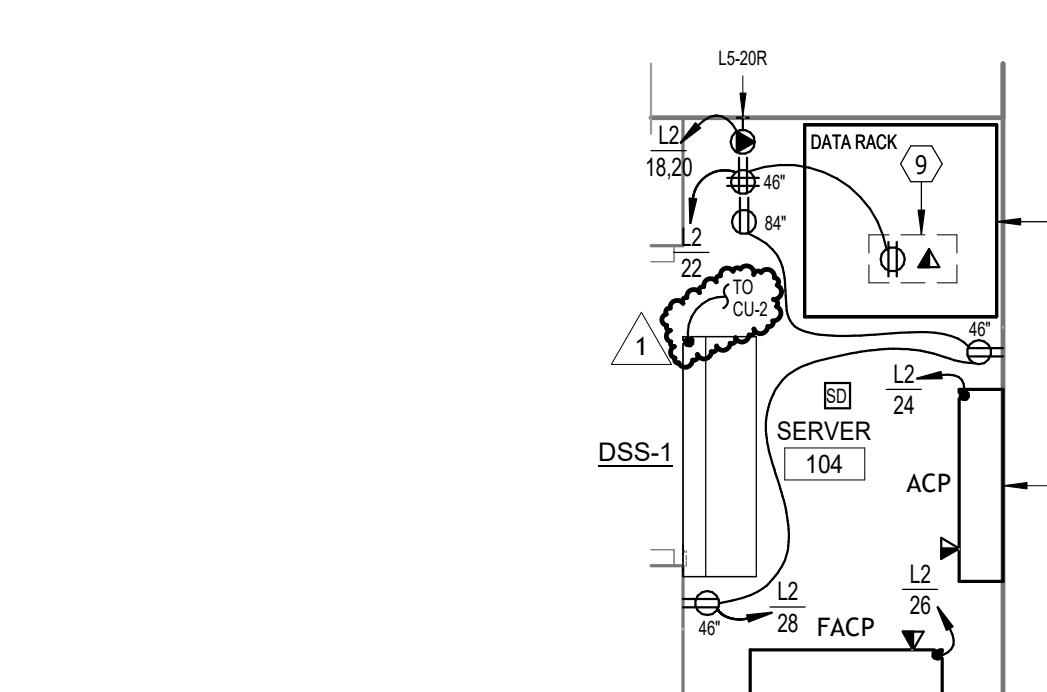
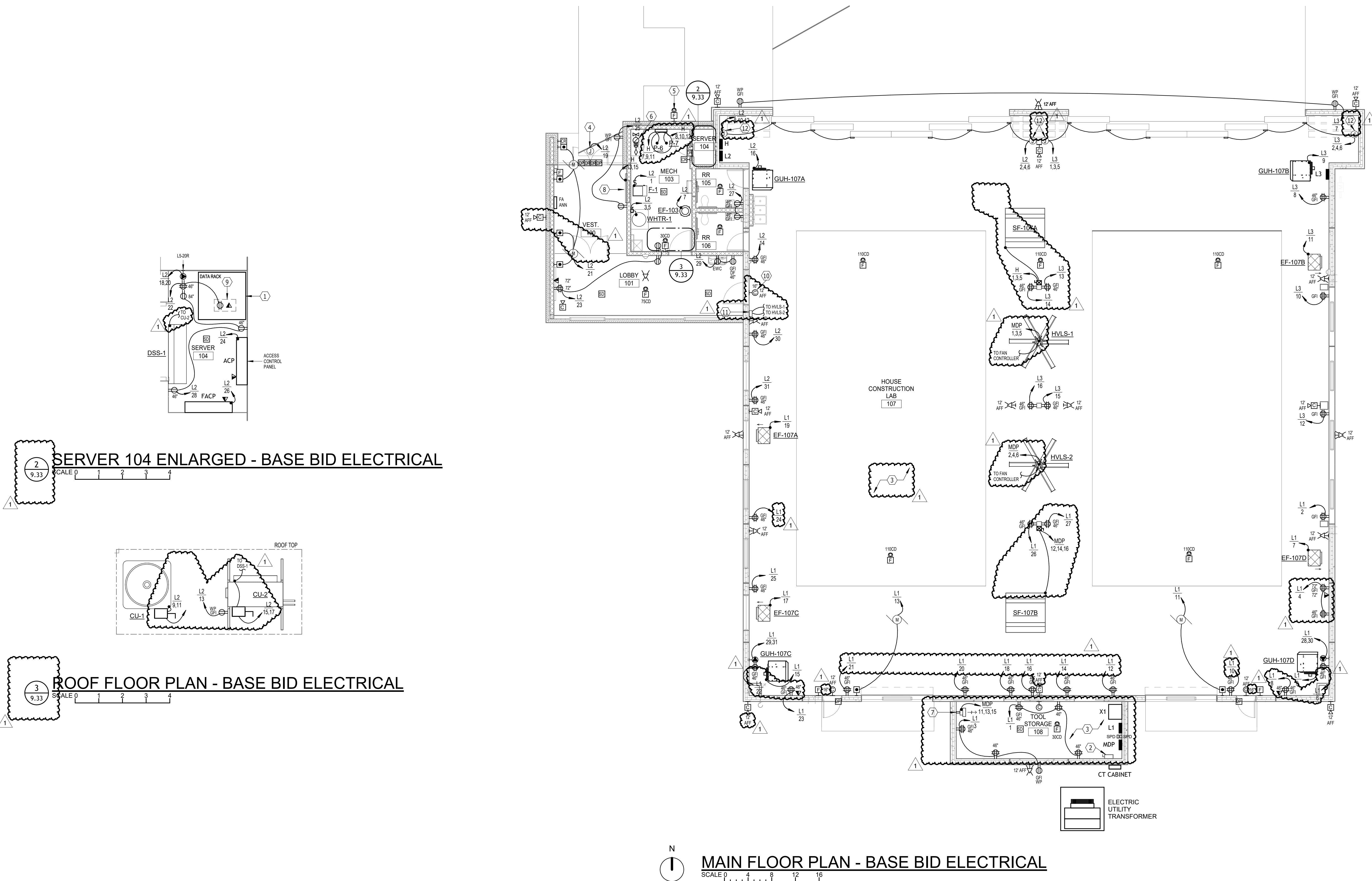


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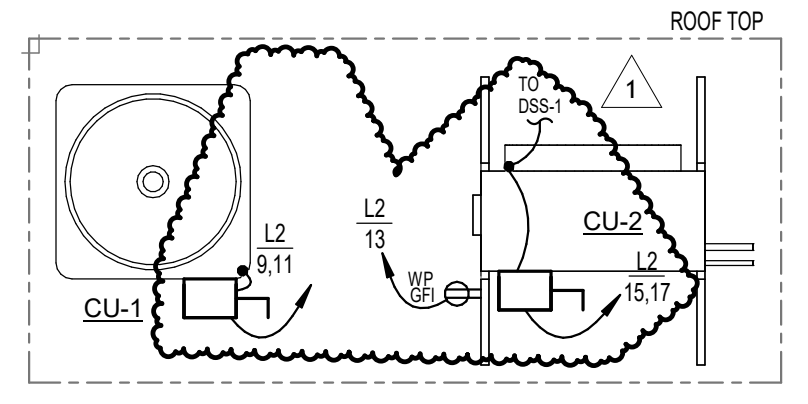


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SERVER 104 ENLARGED - BASE BID ELECTRICAL
SCALE 0 1 2 3 4



ROOF FLOOR PLAN - BASE BID ELECTRICAL
SCALE 0 1 2 3 4

N
SCALE 0 4 8 12 16
MAIN FLOOR PLAN - BASE BID ELECTRICAL

**SOUTHEAST TECHNICAL COLLEGE HOUSE
CONSTRUCTION LAB**

MAIN FLOOR PLAN - BASE BID ELECTRICAL

Project	number	1219.3155.25
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	revision	
	drawn	ACH checked JLU
DATE	DESCRIPTION	
4-14-2026	Addendum #1	

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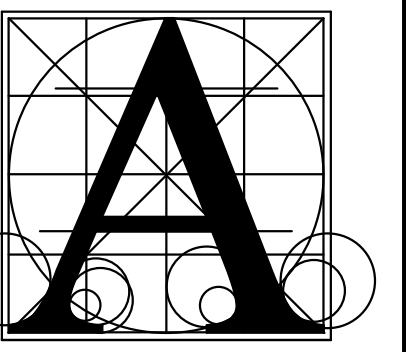
EQUIPMENT CONNECTION SCHEDULE - ADD ALTERNATE

UNIT	Description	Electrical		Circuit		Ground Conductor		Conduit Size		Starter		Control		Disconnect		Interlock	Notes																					
		Voltage	Phase	Apparent Power	FLA	MCA	OCB	Runs	No.	Size	Type	Size	Type	Type	Furnish			Install	Type	Furnish	Install																	
AHU-1	AIR HANDLING UNIT	480 V	3	9.1 kVA	11 A	14 A	20 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L2	2.4.6	H	2.4.6	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	FIRE ALARM	1.6					
B-1	BOILER	120 V	1	0.9 kVA	8 A	9 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L2	32	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	EMERGENCY OFF PB	2				
B-2	BOILER	120 V	1	0.9 kVA	8 A	9 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L2	32	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	EMERGENCY OFF PB	2				
CU-1 ALT	CONDENSING UNIT	480 V	3	26.5 kVA	32 A	32 A	40 A	1	3	8 AWG	Cu	8 AWG	Cu	10 AWG	Cu	1"	H	25.27.29	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC				
CU-2	CONDENSING UNIT	208 V	1	3.1 kVA	15 A	15 A	15 A	1	2	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L2	15.17	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	DSS-1	3.4				
CUH-100	UNIT HEATER	120 V	1	0.7 kVA	6 A	8 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L2	23	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC				
CUH-109	UNIT HEATER	120 V	1	0.7 kVA	6 A	8 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L2	41	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC				
DSS-1	DUCTLESS SPLIT SYSTEM	208 V	1	0.1 kVA	0 A	0 A	15 A	1	2	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L2	15.17	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC				
EF-107A	EXHAUST FAN	120 V	1	1.7 kVA	14 A	17 A	25 A	1	1	10 AWG	Cu	10 AWG	Cu	10 AWG	Cu	3/4"	L1	19	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC				
EF-107B	EXHAUST FAN	120 V	1	1.7 kVA	14 A	17 A	25 A	1	1	10 AWG	Cu	10 AWG	Cu	10 AWG	Cu	3/4"	L3	11	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC				
EF-107C	EXHAUST FAN	120 V	1	1.7 kVA	14 A	17 A	25 A	1	1	10 AWG	Cu	10 AWG	Cu	10 AWG	Cu	3/4"	L1	17	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC			
EF-107D	EXHAUST FAN	120 V	1	1.7 kVA	14 A	17 A	25 A	1	1	10 AWG	Cu	10 AWG	Cu	10 AWG	Cu	3/4"	L1	7	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC			
EF-110	EXHAUST FAN	120 V	1	0.7 kVA	6 A	8 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L1	35	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC			
EF-110A	EXHAUST FAN	120 V	1	0.7 kVA	6 A	8 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L1	37	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC		
EF-116	EXHAUST FAN	120 V	1	0.7 kVA	6 A	8 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L2	27	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC		
FP-102	FAN POWERED VAV	277 V	1	4.2 kVA	15 A	15 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	H	35	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC			
FP-113	FAN POWERED VAV	277 V	1	4.2 kVA	15 A	15 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	H	31	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC		
FP-114	FAN POWERED VAV	277 V	1	4.2 kVA	15 A	15 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	H	33	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC		
HVLS-1	CEILING FAN	480 V	3	2.1 kVA	3 A	3 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	MDP	1.3.5	--	--	--	INTEGRAL	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	FIRE ALARM	5		
HVLS-2	CEILING FAN	480 V	3	2.1 kVA	3 A	3 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	MDP	2.4.6	--	--	--	INTEGRAL	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	FIRE ALARM	5	
P-1	PRIMARY PUMP	480 V	3	1.2 kVA	2 A	2 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	H	13.15.17	COMBO STARTER	EC	EC	BOILERBAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC			
P-2	PRIMARY PUMP	480 V	3	1.2 kVA	2 A	2 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	H	14.16.18	COMBO STARTER	EC	EC	BOILERBAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC		
P-3	SECONDARY HEATING PUMP	480 V	3	4.2 kVA	5 A	6 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	H	19.21.23	VFD	MC	MC	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC			
P-4	SECONDARY HEATING PUMP	480 V	3	4.2 kVA	5 A	6 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	H	20.22.24	VFD	MC	MC	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC		
P-5	RHW PUMP	120 V	1	1.2 kVA	10 A	12 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L2	40	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC		
P-6	SEWAGE PUMP	480 V	3	2.9 kVA	4 A	4 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	H	7.9.11	--	--	--	CONTROL PANEL	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	
P-7	SEWAGE PUMP	480 V	3	2.9 kVA	4 A	4 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	H	8.10.12	--	--	--	CONTROL PANEL	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC
RF-102	RELIEF AIR FAN	480 V	3	2.9 kVA	4 A	4 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	H	26.28.30	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	
SF-107A	ECONOMIZER FAN	480 V	3	2.9 kVA	4 A	4 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	H	1.3.5	COMBO STARTER	EC	EC	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC		
SF-107B	ECONOMIZER FAN	480 V	3	2.9 kVA	4 A	4 A	15 A	1	3	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	MDP	12.14.16	COMBO STARTER	EC	EC	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC		
UH-103	UNIT HEATER	120 V	1	0.7 kVA	6 A	8 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L2	42	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC		
UH-107A	UNIT HEATER	120 V	1	1.2 kVA	10 A	12 A	20 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L2	16	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC		
UH-107B	UNIT HEATER	120 V	1	1.2 kVA	10 A	12 A	20 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L3	9	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	
UH-107C	UNIT HEATER	120 V	1	1.2 kVA	10 A	12 A	20 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L1	15	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	
UH-107D	UNIT HEATER	120 V	1	1.2 kVA	10 A	12 A	20 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L1	9	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	
UH-110	UNIT HEATER	120 V	1	0.7 kVA	6 A	8 A	15 A	1	1	12 AWG	Cu	12 AWG	Cu	12 AWG	Cu	3/4"	L1	33	--	--	--	BAS	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC	

EQUIPMENT CONNECTION SCHEDULE NOTES:
 1. PROVIDE DUCT SMOKE DETECTOR IN RETURN DUCTWORK. INTERLOCK WITH FIRE ALARM FOR SHUTDOWN UPON ALARM. COORDINATE PHYSICAL LOCATION OF DEVICES WITH THE ACCESSIBILITY CODE.
 2. PROVIDE ONE (1) EMERGENCY OFF PUSHBUTTON WITH PROTECTIVE COVER SIMILAR TO ST-130202 AT DOOR EXIT AND INTERLOCK WITH BOTH SOLERS FOR EMERGENCY SHUTDOWN.
 3. PROVIDE CURRENT LIMITING DEVICES FOR SHORT CIRCUIT CURRENT CONSIDERATIONS.
 4. PROVIDE AMB CUL FEED FROM CONDENSING UNIT TO ROOM MAKEUP SYSTEM.
 5. PROVIDE FIRE ALARM RELAY AND INTERLOCK WITH HVS FAN CONTROLLER AS REQUIRED FOR SHUTDOWN UPON ALARM.
 6. PROVIDE A COMBINATION EMERGENCY DISCONNECT SWITCH WITH P.O. AND AUXILIARY CONTACTS AND OUTLIGHTS. DISCONNECT AT UNIT AND CONTROL BY MC.
 7. PROVIDE ELECTRICAL CONNECTIONS TO VFD AND FROM VFD TO UNIT.
 8. PROVIDE ELECTRICAL CONNECTIONS TO CONTROL PANEL AND FROM CONTROL PANEL TO UNIT.

- ### ELECTRICAL NOTES
- PROVIDE NEW MDF 2 POST DATA RACK (STRAND SINGLE MODE) FIBER TO DATA RACK LOCATED IN WOOD TRAPEZOIDAL CENTER ROOM 203A. GROUND BAR AND GROUND PER SPECIFICATIONS.
 - FUTURE SERVICE RATED DISCONNECT SWITCH "MDS-2" PROVIDE RACEWAY TO THE EXTENT POSSIBLE. ENBED ELECTRICAL CONDUIT BOX ASSEMBLIES AND REQUIRED HARDWARE IN THE PRECAST WALL PANELS.
 - PROVIDE HEAT TRACE FOR APPROXIMATELY 5 FEET OF EXTERIOR ROOF DRAIN PIPING. COORDINATE INSTALLATION WITH MC.
 - CO-LOCATE WEATHERPROOF FIRE ALARM NOTIFICATION DEVICE WITH FIRE DEPARTMENT CONNECTION (FDC).
 - VERIFY QUANTITY OF FLOW AND TAMPER SWITCHES WITH FIRE SPRINKLER CONTRACTOR. MONITOR WITH FIRE ALARM SYSTEM.
 - PROVIDE HEAVY DUTY WALL HEATER EQUAL TO BERKO HUHAA SERIES 480V, 3 PHASE, 3KW, 3 FLA WITH INTEGRAL DISCONNECTING MEANS. WALL MOUNT ABOVE CEILING. COORDINATE WITH MECHANICAL CONTRACTOR.
 - PROVIDE NEW WIRELESS ANALOG SYNCHRONIZED CLOCK TYPICAL.
 - PROVIDE BOILER EMERGENCY OFF MUSHROOM HEAD PUSHBUTTON WITH PROTECTIVE COVER EQUAL TO ST1130202. INTERLOCK WITH BOILER FOR EMERGENCY SHUTDOWN.
 - HVLS FAN CONTROLLER FOR HVLS-1 & 2 FURNISHED BY MC. INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE REQUIREMENTS WITH MC. PROVIDE FIRE ALARM RELAY AND INTERLOCK WITH FAN CONTROLLER AS REQUIRED FOR SHUTDOWN UPON ALARM.
 - PROVIDE ELECTRICAL CONNECTIONS FOR CO2 DETECTION SYSTEM. INTERLOCK WITH EF-110 AND MECHANICAL LOUVER LVR-110. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND REQUIREMENTS.
 - PROVIDE ELECTRICAL CONNECTIONS TO ROLLING DOOR ASSEMBLIES AS REQUIRED FOR A FUNCTIONAL SYSTEM.

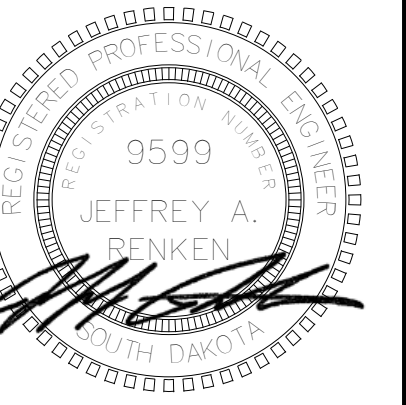
- ### GENERAL SHEET NOTES
- RECEPTACLES SHALL BE TAMPER RESISTANT IN ACCORDANCE WITH THE NEC AND LOCAL CODE REQUIREMENTS.
 - TELECOMMUNICATIONS OUTLETS TO BE COMPRISED OF (2D) TWO DATA DROPS PER LOCATION. UNLESS OTHERWISE NOTED, CABLEING TO BE CAT 6. PROVIDE ALL CONNECTIONS AND ASSOCIATED ITEMS AS REQUIRED FOR SYSTEM INTEGRITY. SEE SPECIFICATIONS.
 - PROVIDE (1D) CAT 6 DATA CABLEING AT EACH CAMERA LOCATION SHOWN. ROUTE TO TELECOM RACK (IDF). CAMERAS SUPPLIED BY OWNER. INSTALLED BY ELECTRICAL CONTRACTOR.
 - WIRELESS ACCESS POINTS (WAP) TO HAVE (2D) CAT 6A PER LOCATION. PROVIDE CABLEING AND TERMINATIONS. WAP DEVICES SUPPLIED BY OWNER. INSTALLED BY ELECTRICAL CONTRACTOR.
 - COORDINATE QUANTITY AND LOCATION OF FIRE SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. PROVIDE ELECTRICAL CONNECTIONS, INITIATION DEVICES ETC. AS REQUIRED.
 - PROVIDE GFI CIRCUIT BREAKERS AS REQUIRED BY THE NEC AND LOCAL CODE REQUIREMENTS. GFI CIRCUIT BREAKERS ALLOWED IN LIEU OF GFI RECEPTACLES.
 - DOOR SECURITY EQUIPMENT SHALL BE PROVIDED BY OWNER. ELECTRICAL CONTRACTOR SHALL PROVIDE BACKBOX, RACEWAY, AND WIRING AT DESIGNATED LOCATIONS AS SHOWN ON PLANS AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. PLENUM-RATED CABLEING SHALL BE MULTICONDUCTOR (24V) PER MANUFACTURER RECOMMENDATIONS (CARD READER: 22/4 TWISTED, STRANDED, SHIELDED - ELECTRIC STRIKE: 16/2 TWISTED, STRANDED, SHIELDED).
 - THE CEILING SPACE AVAILABLE REQUIRES EXTENSIVE COORDINATION WITH OTHER TRADES. THE CONTRACTOR SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
 - WITHIN NEW AND EXISTING WALLS IN FINISHED SPACES, TO EXTENT POSSIBLE, ALL NEW BOXES, RACEWAYS, AND CONDUCTORS SHALL BE CONCEALED WITHIN WALLS. WIREMOLD OR EQUAL SURFACE STEEL RACEWAYS SHALL BE UTILIZED.
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SOUTHEAST TECHNICAL COLLEGE HOUSE
CONSTRUCTION LAB
ELECTRICAL SCHEDULES - BASE BID

Project number 1219.3155.25
date APRIL 3, 2026
revision
drawn ACH checked JLU

DATE DESCRIPTION
4-14-2026 Addendum #1

9.41

PANELBOARD: MDP

LOCATION: TOOL STORAGE 108 VOLTAGE: 480Y/277 V, 3 ø 4 W.
MOUNTING: SURFACE NEMA 1 A.I.C. RATING: 65,000 AMPS SYMMETRICAL
MAIN DEVICE: 400 A MAIN CB SPECIAL: DIGITAL METER
BUS AMPS: 400 AMPS

Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CKT, POLES, BKR, LOAD DESCRIPTION. Includes rows for HVLS-1, CEILING FAN, LITES, WALL MOUNTED UNIT HEATER, SPARE, and various prepared spaces. Summary rows for TOTAL LOAD and TOTAL AMPS are provided at the bottom.

LOAD CLASSIFICATION table with columns: CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Rows include HVAC, RCPT, MOTORS, LITES, MTR, SPEC, HEAT.

NOTES: * INDICATES GFI CIRCUIT BREAKER

PANELBOARD: L1

LOCATION: TOOL STORAGE 108 VOLTAGE: 208Y/120 V, 3 ø 4 W.
MOUNTING: SURFACE NEMA 1 A.I.C. RATING: 22,000 AMPS SYMMETRICAL
MAIN DEVICE: 400 A MAIN CB SPECIAL:
BUS AMPS: 400 AMPS

Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CKT, POLES, BKR, LOAD DESCRIPTION. Includes rows for RCPT - TOOL STORAGE 108, LITES - EXTERIOR SIGNAGE, EF-107B, EXHAUST FAN, GUH-107D, GAS UNIT HEATER, MOTORIZED DOOR, EF-107C, EXHAUST FAN, RCPT - CONSTRUCTION LAB 107, L2 PANEL (SUBFEED).

LOAD CLASSIFICATION table with columns: CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Rows include HVAC, RCPT, MOTORS, LITES, SPEC.

NOTES: * INDICATES GFI CIRCUIT BREAKER

PANELBOARD: L2

LOCATION: HOUSE CONSTRUCTION LAB... VOLTAGE: 208Y/120 V, 3 ø 4 W.
MOUNTING: SURFACE NEMA 1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL
MAIN DEVICE: 200 A MLO SPECIAL:
BUS AMPS: 200 A

Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CKT, POLES, BKR, LOAD DESCRIPTION. Includes rows for F-1, FURNACE, WHTR-1, WATER HEATER, EF-103, EXHAUST FAN, CU-1, CONDENSING UNIT, RCPT - ROOF TOP, CU-2, CONDENSING UNIT, HEAT TAPE, DOOR CNTRL & DISPLAY, RCPT - LOBBY 101, RCPT - VEST 100, RCPT - RR105 & RR106, RCPT & EWC, SPARE, SHUNT TRIP.

LOAD CLASSIFICATION table with columns: CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Rows include HVAC, RCPT, SPEC.

NOTES: * INDICATES GFI CIRCUIT BREAKER

PANELBOARD: H

LOCATION: HOUSE CONSTRUCTION LAB... VOLTAGE: 480Y/277 V, 3 ø 4 W.
MOUNTING: SURFACE NEMA 1 A.I.C. RATING: 25,000 AMPS SYMMETRICAL
MAIN DEVICE: 200 A MLO SPECIAL:
BUS AMPS: 200 AMPS

Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CKT, POLES, BKR, LOAD DESCRIPTION. Includes rows for SF-107A, ECONOMIZER FAN, P-6, SEWAGE PUMP, WALL MOUNTED UNIT HEATER, SPARE, LITES, SPARE, and various prepared spaces.

LOAD CLASSIFICATION table with columns: CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Rows include HVAC, LITES, SPEC, HEAT.

NOTES:

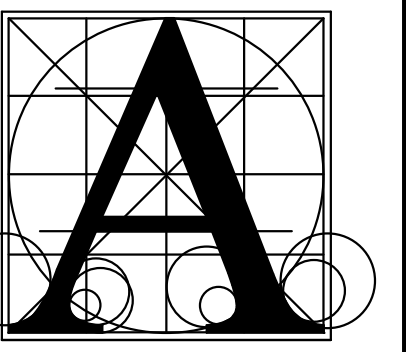
PANELBOARD: L3

LOCATION: HOUSE CONSTRUCTION LAB... VOLTAGE: 208Y/120 V, 3 ø 4 W.
MOUNTING: SURFACE NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL
MAIN DEVICE: 100 A MLO SPECIAL:
BUS AMPS: 100 AMPS

Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, PHASE A KVA, PHASE B KVA, PHASE C KVA, CKT, POLES, BKR, LOAD DESCRIPTION. Includes rows for ROLLING DOORS, RCPT - EXTERIOR, GUH-107B, GAS UNIT HEATER, EF-107A, EXHAUST FAN, RCPT - CONSTRUCTION LAB 107, SPARE, LITES, SPARE, and various prepared spaces.

LOAD CLASSIFICATION table with columns: CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Rows include HVAC, RCPT, SPEC.

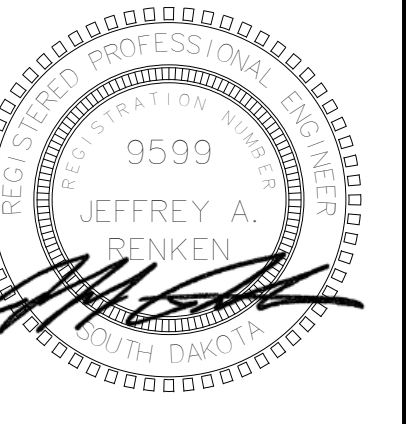
NOTES:



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Project: **SOUTHEAST TECHNICAL COLLEGE HOUSE CONSTRUCTION LAB**
sheet contents
ELECTRICAL SCHEDULES - ADD ALTERNATE

number 1219.3155.25
date APRIL 3, 2026
revision
drawn ACH checked JLU

DATE DESCRIPTION
4-14-2026 Addendum #1

9.42A

PANELBOARD: MDP

LOCATION: TOOL STORAGE 108
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 400 A MAIN CB
BUS AMPS: 400 AMPS
VOLTAGE: 480Y/277 V, 3 ø 4 W.
A.I.C. RATING: 65,000 AMPS SYMMETRICAL
SPECIAL: DIGITAL METER

Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.

PANELBOARD: L1

LOCATION: TOOL STORAGE 108
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 400 A MAIN CB
BUS AMPS: 400 AMPS
VOLTAGE: 208Y/120 V, 3 ø 4 W.
A.I.C. RATING: 22,000 AMPS SYMMETRICAL
SPECIAL:

Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.

PANELBOARD: L2

LOCATION: HOUSE CONSTRUCTION LAB...
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 200 A MLO
BUS AMPS: 200 A
VOLTAGE: 208Y/120 V, 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.

PANELBOARD: H

LOCATION: HOUSE CONSTRUCTION LAB...
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 200 A MLO
BUS AMPS: 200 AMPS
VOLTAGE: 480Y/277 V, 3 ø 4 W.
A.I.C. RATING: 25,000 AMPS SYMMETRICAL
SPECIAL:

Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.

PANELBOARD: L3

LOCATION: HOUSE CONSTRUCTION LAB...
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 100 A MLO
BUS AMPS: 100 AMPS
VOLTAGE: 208Y/120 V, 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, PHASE A, PHASE B, PHASE C, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.