

SHAFER | ZAHNER | ZAHNER
OFFICE OF ARCHITECTURE

September 25, 2019

GS# 210-068 NEW ADMINISTRATION BUILDING

Mississippi Delta Community College

Moorhead, Mississippi

Addendum No. 1

This Addendum forms part of the Contract Documents for the above referenced project. All other requirements of the original Contract Documents shall remain in effect except as specifically modified in this Addendum. Bidder is to acknowledge receipt of this Addendum with their bid proposal. Failure to do so may subject the Bidder to disqualification. This Addendum is issued to all known Plan Holders.

1. A Pre-Bid Meeting was held on September 20, 2019. See this addendum for resolution of questions asked and other information discussed at this meeting. See the Pre-Bid Conference Meeting Minutes and Pre-Bid Conference Attendance Roster attached.
 - a. Deadline for questions to be received by Shafer Zahner Zahner from prospective bidders: Friday, September 27, 2019 by C.O.B.
2. Clarifications:
 - a. Payment for all special testing identified in Structural Quality Assurance documents will be made by Contractor as a part of this Contract.
 - b. Only (1) building plaque will be required for this project.
 - c. The concrete plaza area north of the Administration Building is in the Base Bid as shown on A100, C200, C210. The plaza design with pavers as shown on A950 is in Bid Alternate #4.
 - d. Concrete floors scheduled to receive 'Drylok' or equal finish as scheduled on A610 shall receive finish as specified in Section 09900.
 - e. MS1.1 shows correct water lines and connection points and shall take precedent over C400.
 - f. The campus water is master metered. No water meter will be required.
3. Specifications:
 - a. **ADD** Section 07219 Spray Foam Insulation, attached.
 - b. Section 06402 Interior Architectural Woodwork, Section 1.3 Quality Assurance, **DELETE** Paragraphs A and C.
 - c. Section 08630 Metal Framed Skylights, Section 2.5 Aluminum Finishes, Paragraph B, 1. Finish – **DELETE** and **REPLACE** with the following: "Finish shall be selected from Manufacturer's Full Range."
 - d. Section 10426 Interior Building Signage, Section 1.03, **ADD** Paragraph C: BUILDING PLAQUE; Cast Bronze, size 24" x 36". Provide lettering as directed within capacity of plaque size specified. Satin polished raised letters, textured background. Concealed mounting.
4. Drawings:
 - a. Sheet G001:
 - i. **ADD** the following note: "ALL UTILITIES, BOTH ABOVE AND BELOW GROUND, ARE THE CONTRACTOR'S RESPONSIBILITY. EXISTING UTILITY INFORMATION SHOWN IS PROVIDED FOR THE CONTRACTOR'S CONVENIENCE. IDENTIFICATION OF ALL UTILITIES AND THEIR EXACT LOCATION IS THE RESPONSIBILITY OF THE CONTRACTOR."
 - b. Sheet C100: Remove and replace with C100R, attached.

SHAFER | ZAHNER | ZAHNER

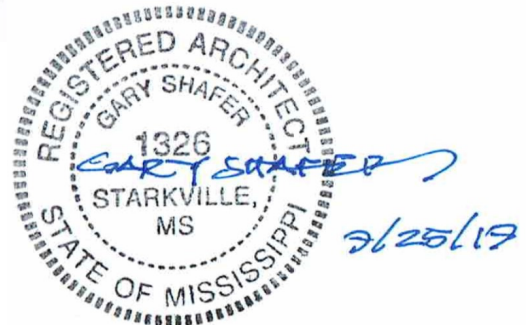
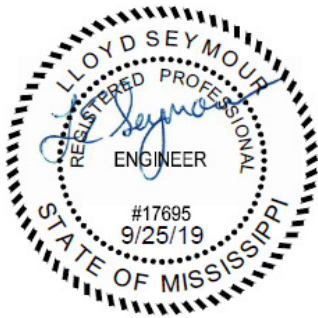
OFFICE OF ARCHITECTURE

- c. Sheet A950, Detail 4/A950, **ADD** the following note “PROVIDE SURFACE MOUNTED LETTERS AS SHOWN ON BOTH SIDES OF MONUMENTAL SIGN”
 - d. Sheet MS1.1: **ADD** the following General Note: “The 2” and 1-1/4” water lines can be schedule 40 PVC pressure pipe and fittings.”
 - e. Sheets M1.1, M1.1A, M1.2: **ADD** the following General Note: “All flat oval and round medium pressure duct between the air handing units and VAV boxes is to be double wall spiral construction.” See attached M1.1R1, M1.1AR1, M1.2R1.
 - f. Sheets M1.1 and M1.1A: **ADD** boiler intakes and flues as shown on attached M1.1R1 and M1.1AR1
 - g. Sheet E0.4: Remove and replace with revised E0.4, attached.
 - h. **ADD** Sheet ES1.0 Demolition Electrical Site Plan, attached.
 - i. Sheet ES1.1: Remove and replace with revised ES1.1, attached.
5. Substitution Requests: The following manufacturers/products are considered ‘acceptable manufacturers’ as defined in the Contract Documents:

Section	Item	Manufacturer
07260	Vapor Retarder – Under slab vapor barrier	Inteplast Barrier-Bac VB-350 (16 mil)
08630	Metal Framed Skylights	Solar Innovations Skylights
07413	Snap-Lock Standing Seam Metal Roof System	16” Snaplok by ACI

Approval of a Manufacturer or product as an “equal” does not in any way alter the Contract Documents. Any approved manufacturer must accommodate performance requirements, construction details, required finishes, owner’s specific requirements, adjacent materials, etc. Any additional materials or components required by the “approved equal” for proper installation for the given conditions are the responsibility of the Contractor. Approval of a Manufacturer also shall not cause an up-charge for the desired finish or limit the choices of finishes, colors, materials, etc.

Contents: This addendum consists of **6 (8 ½” x 11”)** sheets and **7 (24” x 36”)** sheets.



End of Addendum No. 1 for: GS# 210-068 NEW ADMINISTRATION BUILDING

SECTION 07219
SPRAY FOAM INSULATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section Includes: HFC 365/227-blown, closed cell, polyurethane spray foam insulation.
- B. Coordinate mechanical ventilation and fresh air supply with Mechanical sections and ASHRAE Guidelines for optimum indoor air quality.

1.3 REFERENCES

- A. American Society for Testing and Materials International (ASTM)
 - 1. ASTM C 518: Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
 - 2. ASTM C 1338: Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings
 - 3. ASTM E 84: Test Method for Surface Burning Characteristics of Building Materials
 - 4. ASTM E 96: Standard Test Methods for Water Vapor Transmission of Materials
 - 5. ASTM E119: Standard Test Methods for Fire Tests of Building Construction and Materials
 - 6. ASTM E 2178: Standard Test Method for Air Permeance of Building Materials
 - 7. NFPA 285: Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non Load-Bearing Wall Assemblies Containing Combustible Components

1.4 SUBMITTALS

- A. Product Data for type of insulation product specified.
- B. Product test reports performed by a qualified third-party testing agency evidencing compliance of insulation products with specified requirements including those for thermal resistance, fire-test-response characteristics, water-vapor transmission, and other properties, based on comprehensive testing of current products.
- C. Evaluation Report: Evidence of compliance of foam-plastic insulations with International Building Code (IBC), International Residential Code (IRC), International Energy Conservation Code (IECC).

- D. Manufacturer's certificate certifying insulation provided meets or exceeds specified requirements.
- E. Installer's certificate showing the Icynene installation certification.
- F. Sample warranty

1.5 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Product produced in an ISO 9001 registered factory.
- B. Single Source Responsibility: Single source product from one manufacturer.
- C. Installer Qualifications: Engage an Manufacturer Licensed Contractor (installer) who has been trained and certified by Icynene.
- D. Fire-Test-Response Characteristics: Provide materials specified as determined by testing identical products per test method indicated below by a testing and inspecting agency acceptable to authorities having jurisdiction. Identify materials with appropriate markings of applicable testing and inspecting agency.
 - 1. Surface-Burning Characteristics: ASTM E 84
 - 2. Rated Wall Assembly Testing: ASTM E119 and NFPA 285
- E. Toxicity/Hazardous Materials
 - 1. Provide products that are "Low-emitting".
 - 2. Provide products that contain no PBDE's .
 - 3. Provide products that contain no urea-formaldehyde.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturers written instructions for handling and protection prior to and during installation.
- B. Store both components in a temperature controlled area between 60 and 85 degrees F. Do not allow product to freeze.
- C. Use only those components that are supplied by the Manufacturer.

1.7 PROJECT CONDITIONS

- A. Do not expose to sunlight, except to extent necessary for period of installation and concealment.

1.8 WARRANTY

- A. Manufacturer's standard limited lifetime warranty.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis of Design: Polyurethane Spray Foam Insulation: Icynene ProSeal™ (MD-C-200v3) by Icynene Inc. or approved equal
- B. Intumescent paint: DC-315 by International Fireproof Technology Inc.

2.2 MATERIALS

- A. General: Provide insulating materials that comply with requirements and with referenced standards.
- B. Icynene ProSeal™ (MD-C-200v3) Spray Foam Insulation: Medium-density, HFC 365/227 blown, conforming to the following:
 - 1. Thermal Resistance (for 1 inch of material) (R-Value/inch @75 deg F): ASTM C 518; 7.1 hr.sq ft.degree F/BTU
 - 2. Air Permeance (for 1 inch of material): ASTM E 2178: less than 0.02 L/s.m² @75 Pa
 - 3. Water Vapor Transmission (for 1.5 inches of material): ASTM E 96; 0.97 perm
 - 4. Resistance to Fungal Growth: ASTM C 1338: no growth
 - 5. Product Emissions: Collaborative for High Performance Schools (CHPS) “Low-emitting” material per CA Section 01350 criteria.
 - 6. Flame Spread and Smoke Developed Rating: ASTM E 84
 - a. Flame Spread: 25
 - b. Smoke Development: 300
- C. International Fireproof Technology Inc. DC-315: water-based, intumescent paint, conforming to the following:
 - 1. Full scale fire resistance test with Icynene ProSeal (MD-C-200v3) in accordance with NFPA 286: 24 wet mils (thermal barrier).
 - 2. Finish: flat, grey color
 - 3. VOC Content: 47 g/L
 - 4. Volume Solids: 67%
 - 5. Flash Point: none
 - 6. Mechanism of cure: coalescence
 - 7. Reducer/cleaner: water
 - 8. Collaborative for High Performance Schools (CHPS) “Low-emitting” material per CA Section 01350 criteria.
- D. Product Description:
 - 1. Collaborative for High-Performance Schools (CHPS) “Low-emitting material” per CA Section 01350 Criteria

2.3 SOURCE QUALITY CONTROL

- A. Insulation product components produced in an ISO 9001 registered factory.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, under which work is to be performed. Do not proceed until unsatisfactory conditions have been corrected.
 - 1. Review placement area to determine final location will not be within 3 inches of any heat source where the temperature will exceed 180 deg F per ASTM C 411 or in accordance with authorities having jurisdiction.

3.2 PREPARATION

- A. Clean substrates and cavities of loose materials capable of interfering with insulation placement.

3.3 APPLICATION

- A. Site mix liquid components supplied by Icynene and installed by Independent Icynene Licensed Dealer.
- B. Apply insulation to substrates in compliance with manufacturer's written instructions. Apply first pass to maximum of 3 inches. Additional passes to be 2 inches maximum.
- C. Apply insulation to produce thickness required for indicated R Value.
- D. Extend insulation in thickness indicated to envelop entire area to be insulated.
- E. Water-Piping Coordination: If water piping is located within insulated exterior walls, coordinate location of piping to ensure that it is placed on warm side of insulation and insulation encapsulates piping.
- F. Install DC-315 intumescent paint to required wet or dry mil thickness or coverage rate in accordance with manufacturer's instructions, by brush, roller, conventional or airless spray.

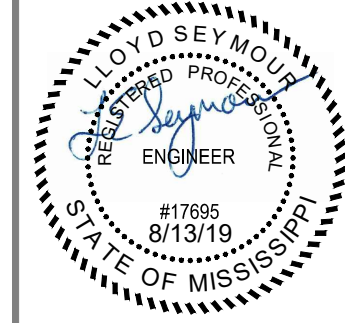
3.4 REPAIRS

- A. Any repairs must be effected by a Manufacturer Licensed Contractor.

3.5 PROTECTION

- A. Protect installed insulation from damage due to harmful weather exposures, physical abuse, and other causes. Provide temporary coverings where insulation is subject to abuse.

END OF SECTION



GS #210-068 NEW ADMINISTRATION BUILDING
MISSISSIPPI DELTA COMMUNITY COLLEGE
Moorhead, Mississippi

SHAFER | ZAHNER | ZAHNER
OFFICE OF ARCHITECTURE
510 UNIVERSITY DRIVE | STARKVILLE, MISSISSIPPI 39759 | info@szarch.com | T (662) 323-1628

SHEET
C100R
SZZARCH#1845
DRAWN BY: LES
CHECKED BY: LES
DATE: August 13, 2019

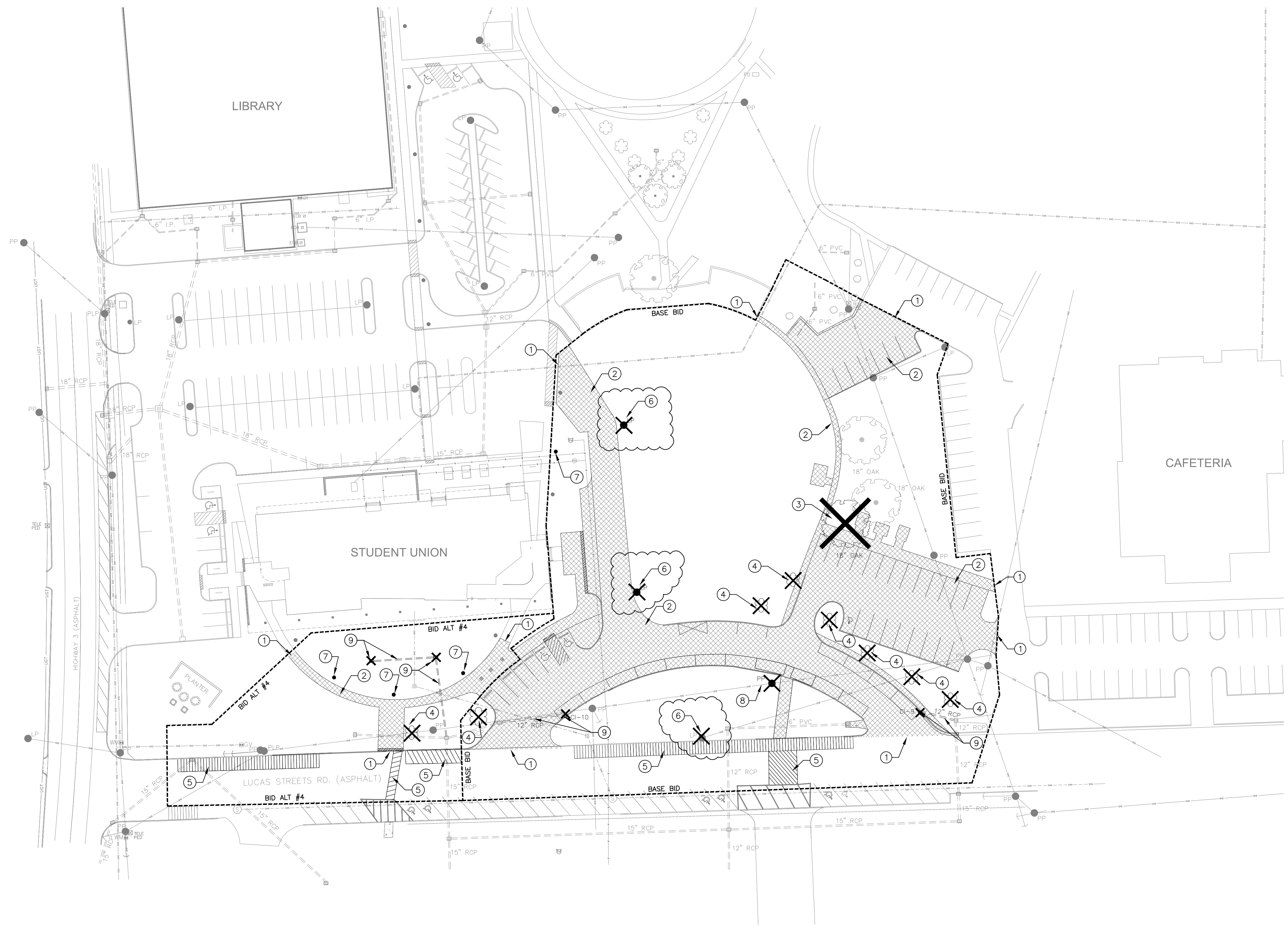
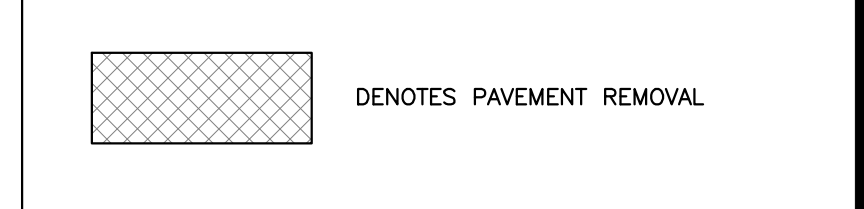
DEMOLITION NOTES

1. INFORMATION GIVEN WAS TAKEN FROM TOPOGRAPHICAL SURVEY SUPPLIED BY CROSBY SURVEYING AND ON-SITE MEASUREMENTS. CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS AND REPORT ANY DISCREPANCIES, CONFLICTS, OR OTHER UNSATISFACTORY CONDITIONS TO THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION.
2. SEE TOPOGRAPHIC SURVEY FOR ADDITIONAL INFORMATION.
3. THE CONTRACTOR SHALL CALL THE MISSISSIPPI DAMAGE PREVENTION NUMBER (1-800-227-6477) BY LAW TO LOCATE ALL EXISTING UTILITIES ON SITE PRIOR TO THE START OF HIS WORK.
4. SEE ARCHITECTURAL, MECHANICAL, & ELECTRICAL SITE PLANS & DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
5. THE CONTRACTOR SHALL MAINTAIN EROSION AND SEDIMENT CONTROLS DURING THE ENTIRE COURSE OF WORK AS DETAILED ON EROSION CONTROL PLAN AND IN ACCORDANCE WITH THE SPECIFICATIONS.
6. WITHIN THE LIMITS OF WORK AND IN THE VICINITY OF CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY FENCING AROUND TREE TO REMAIN AS DETAILED ON EROSION CONTROL PLAN AND IN ACCORDANCE WITH THE SPECIFICATIONS.
7. SITE UTILITIES: CONTRACTOR IS TO FIELD VERIFY ALL SUBSURFACE UTILITIES PRIOR TO STARTING ANY CONSTRUCTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ASSOCIATED UTILITY COMPANY AND COORDINATING ANY REQUIRED DISCONNECTS AND/OR CONNECTION TO EXISTING UTILITIES.
9. FINAL SITE CLEANING. THE SITE SHALL BE CLEAR OF ALL DEBRIS, DEMOLITION RELATED AND NON-RELATED (SITE TRASH).

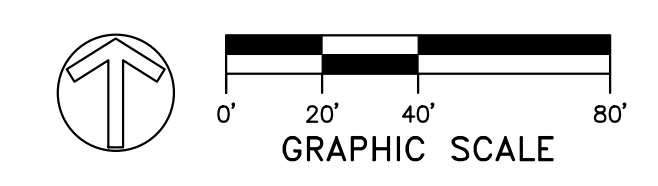
DEMOLITION KEYNOTES

1. SAW-CUT EXISTING PAVEMENT.
2. REMOVE EXISTING PAVEMENT AND ASSOCIATED CURB.
3. REMOVE EXISTING OAK TREE.
4. REMOVE EXISTING BUSH/SHRUB.
5. COVER EXISTING TRAFFIC MARKING/STRIPING WITH ASPHALT SEAL COAT.
6. REMOVE EXISTING LIGHT POLE. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.
7. REMOVE EXISTING LIGHT BOLLARD. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.
8. REMOVE EXISTING POWER POLE. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.
9. REMOVE EXISTING DRAINAGE STRUCTURE AND ASSOCIATED PIPING.

DEMOLITION LEGEND



1 SITE DEMOLITION PLAN
C100 SCALE: 1" = 40'



REVISED SEPT 24, 2019



LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE-WATTS	LUMINAIRE DESCRIPTION	MANUFAC.	CATALOG NO.	HEIGHT	MOUNTING
A	LED 16.6W	2' X 2' TROFFER, INDIRECT/DIRECT, 2000 LUMENS, 4000K CCT, ACRYLIC LENS, 0-10V DIMMING	LITHONIA	2BLT2 20L ADP EZ1 LP840 NOC	2 3/8"	RECESSED
AEM	LED 16.6W	2' X 2' TROFFER, INDIRECT/DIRECT, 2000 LUMENS, 4000K CCT, ACRYLIC LENS, 0-10V DIMMING, WITH EMERGENCY BATTERY PACK	LITHONIA	2BLT2 20L ADP EZ1 LP840 NOC EL14L	2 3/8"	RECESSED
B	LED 11.8W	DOWNLIGHT, 6" APERTURE, 1000 LUMENS, 4000K CCT, OPEN SEMI-SPECULAR REFLECTR, 0-10V DIMMING STANDARD	GOTHAM	EVO 40/10 6AR WD LSS MVOLT EZ1	7 9/16"	RECESSED
BEM	LED 11.8W	DOWNLIGHT, 6" APERTURE, 1000 LUMENS, 4000K CCT, OPEN SEMI-SPECULAR REFLECTR, 0-10V DIMMING STANDARD, WITH EMERGENCY BATTERY PACK	GOTHAM	EVO 40/10 6AR WD LSS 120 EZ1 EL	7 9/16"	RECESSED
C	LED 30.0W	48" INDUSTRIAL STRIP, 3000 LUMENS, 4000K CCT, NON-DIMMING DRIVER, ACRYLIC DROP LENS, AIRCRAFT CABLE HANGER, WIRE GUARD	LITHONIA	ZL1D L48 FST MVOLT 40K 80CRI WH	2.99"	PENDANT - 10' A.F.F. ZACVH WZ48
CEM	LED 30.0W	48" INDUSTRIAL STRIP, 3000 LUMENS, 4000K CCT, NON-DIMMING DRIVER, ACRYLIC DROP LENS, AIRCRAFT CABLE HANGER, WIRE GUARD, WITH EMERGENCY BATTERY PACK	LITHONIA	ZL1D L48 FST 120 40K 80CRI E7W WH	2.99"	PENDANT - 10' A.F.F. ZACVH WZ48
D	LED 34.2W	SUSPENDED FIXTURE, 48" DIAMETER, 2308 LUMENS, 3000K CCT, INTEGRAL DRIVER, DIMMABLE	TECH LIGHTING	700BOD-48-S-LED930	18"	PENDANT
FEM	LED 18.7W	4" WALL BRACKET, 2000 LUMENS, 4000K CCT, 0-10V DIMMING, INTEGRAL OCCUPANCY SENSOR, WITH EMERGENCY BATTERY PACK	LITHONIA	WL4 20L EZ1 LP840 MSD7 DIM50 EL14L	3 7/8"	WALL 10' A.F.F. AT THE LANDINGS
G	LED 21W	24" VANITY FIXTURE, 851 LUMENS, 3000K CCT	TECH LIGHTING	700BCBND 24 R LED930	5"	WALL SEE NOTE 10
H	LED 32W	2' X 2' TROFFER, INDIRECT/DIRECT, 4000 LUMENS, 4000K CCT, ACRYLIC LENS, 0-10V DIMMING	LITHONIA	2BLT2 40L ADP EZ1 LP840 NOC	2 3/8"	RECESSED
HEM	LED 32W	2' X 2' TROFFER, INDIRECT/DIRECT, 4000 LUMENS, 4000K CCT, ACRYLIC LENS, 0-10V DIMMING, WITH EMERGENCY BATTERY PACK	LITHONIA	2BLT2 40L ADP EZ1 LP840 NOC EL14L	2 3/8"	RECESSED
J	LED 32W	2' X 4' TROFFER, INDIRECT/DIRECT, 4000 LUMENS, 4000K CCT, ACRYLIC LENS, 0-10V DIMMING	LITHONIA	2BLT4 40L ADP EZ1 LP840 NOC	2 3/8"	RECESSED
JEM	LED 32W	2' X 4' TROFFER, INDIRECT/DIRECT, 4000 LUMENS, 4000K CCT, ACRYLIC LENS, 0-10V DIMMING, WITH EMERGENCY BATTERY PACK	LITHONIA	2BLT4 40L ADP EZ1 LP840 NOC EL14L	2 3/8"	RECESSED
K	LED 9.4W	DOWNLIGHT, 6" APERTURE, 750 LUMENS, 4000K CCT, OPEN SEMI-SPECULAR REFLECTR, 0-10V DIMMING, WET LOCATION LISTED	VANTAGE	AIC6VOFLEDESU 0740K W6060 SCL 5D	3.12"	RECESSED
KEM	LED 9.4W	DOWNLIGHT, 6" APERTURE, 750 LUMENS, 4000K CCT, OPEN SEMI-SPECULAR REFLECTR, 0-10V DIMMING, WET LOCATION LISTED, WITH EMERGENCY BATTERY PACK	VANTAGE	AIC6VOFLEDES1 0740K W6060 SCL EMI 17 5D	3.12"	RECESSED
L	LED 27.2W	DOWNLIGHT, 6" APERTURE, 2000 LUMENS, 4000K CCT, OPEN SEMI-SPECULAR REFLECTR, 0-10V DIMMING, WET LOCATION LISTED	VANTAGE	AIC6VOFLEDESU 2040K W6060 SCL 5D	3.12"	RECESSED
LEM	LED 27.2W	DOWNLIGHT, 6" APERTURE, 2000 LUMENS, 4000K CCT, OPEN SEMI-SPECULAR REFLECTR, 0-10V DIMMING, WET LOCATION LISTED, WITH EMERGENCY BATTERY PACK	VANTAGE	AIC6VOFLEDES1 2040K W6060 SCL EMI 17 5D	3.12"	RECESSED
M	LED 9W	LED PENDANT, 135 LUMENS, 3000K CCT, CLEAR LENS, 90 CRI	TECH LIGHTING	700 TD MINAP 1 C R R LED930	7.6"	PENDANT
NEM	LED 33.0W	WALL MOUNTED LED LIGHT WITH EMERGENCY BATTERY PACK, 4000 LUMENS, 4000K CCT, WITH FROSTED LENS	LITHONIA	VAP 4000LM FST MD MVOLT GZ10 40K 80CRI E15WCP	4.125"	WHERE DIRECTED BY ELEVATOR PROVIDER.
P	LED 10.0W/FT	4" WIDE SLOT, 275 LUMENS/FT, 4000K CCT, 80 CRI, FLUSH LENS, SINGLE CIRCUIT, 0-10V DIMMING, LENGTH AS SHOWN ON PLANS	FOCAL POINT	FSM4LP FL 275LF 40K 1C UNV LD1 WH X'	3.6"	RECESSED

LIGHTING FIXTURE SCHEDULE NOTES:

- ALL FIXTURE SYMBOLS WITH SUFFIX OF "EM" (e.g. AEM, BEM) SHALL BE EQUIPPED WITH AN EMERGENCY BATTERY PACK FOR ILLUMINATION OF MEANS OF EGRESS.
- IF SHOWN ON PLANS AS CEILING MOUNTED EXIT SIGN, AND CEILING HEIGHT IS GREATER THAN 9'-0", MOUNT EXIT SIGNS CENTER LINE 12" ABOVE DOOR FRAME, OR 7'-6" A.F.F. ON WALL.
- FIXTURE MANUFACTURERS SHOWN REPRESENT MINIMUM QUALITY. EQUALS MAY BE PROVIDED.
- VERIFY AND PROVIDE MOUNTING HARDWARE FOR ALL FIXTURES AS NECESSARY FOR A COMPLETE SYSTEM.
- ALL EXIT SIGNS, EMERGENCY BATTERY LIGHTS, AND STAIRWELL FIXTURES SHALL BE UNSWITCHED.
- FIXTURE WHIPS SHALL BE A MINIMUM OF #14 AWG.
- VERIFY ALL COLORS AND FINISHES WITH ARCHITECT PRIOR TO ORDERING.
- VERIFY MOUNTING HEIGHT OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.
- DEPTH OF FIXTURES HAS BEEN COORDINATED WITH OTHER TRADES TO ENSURE THEY WILL FIT. IF OTHER LUMINAIRE COMPANY FIXTURES ARE SUBMITTED THEY MUST BE EQUAL RELATIVE TO DEPTH.
- VANITY FIXTURES SHALL BE MOUNTED ABOVE THE MIRROR.
- CONTRACTOR SHALL COORDINATE CONTINUOUS FIXTURE LENGTH PROVIDED WITH FIELD DIMENSIONS AND MANUFACTURER'S INSTALLATION REQUIREMENTS. PROVIDE FIXTURES COMPLETE WITH ALL FITTINGS, TRIM, JOINTS, ETC. FOR A COMPLETE AND FINISHED INSTALLATION.

LIGHTING FIXTURE SCHEDULE CONTINUED

SYMBOL	TYPE-WATTS	LUMINAIRE DESCRIPTION	MANUFAC.	CATALOG NO.	HEIGHT	MOUNTING
Q	LED 3.0W/FT	2 3/8" WIDE, 12 1/8" SEGMENTS, 700 LUMENS/FT, 4000K CCT, 80 CRI, FROSTED LENS, 0-10V DIMMING, LENGTH AS SHOWN ON PLANS	LUMENPULSE	LCN2 RO UL 120 12 40K FR WH	1 3/8"	COVE
T	LED 4.0W/FT	FLEXIBLE STRIP LIGHTS, 390 LUMENS/FT, 4000K CCT, 80 CRI, MOUNTING BRACKET, 0-10V DIMMING, LENGTH AS SHOWN ON PLANS	LUMILUM	LUM 120505 4000K 854160004480	0.31"	OVAL COVE MOUNTING BRACKET: LUM-120505CL
U	LED 18.3W	UNDER CABINET FIXTURE, INTEGRAL TOGGLE SWITCH, 1000 LUMENS, 4000K CCT, 90 CRI, 2' SECTIONS, WITH LINKING CORD	LITHONIA	RAZ 24IN 40K 90CRI	1/2"	UNDER CABINET LINKING CORD: RAZ CC24
V	LED 8.2W	DOWNLIGHT, 4" APERTURE, 600 LUMENS, 4000K CCT, ADJUSTABLE 0-10V DIMMING	LITHONIA	4JBK ADJ 40K 90CRI MW	4 5/8"	RECESSED
W	LED 6.5W	CYLINDER, 700 LUMENS, 4000K CCT, RIGID STEM, 0-10V DIMMING	LUMENPULSE	LACYS A PSF MWH M1 D 120 13 dL07 40K CR80 M DA1 NA GLR b GLR	6"	PENDANT RIGID 2' STEM
X1	LED	EXIT SIGN, SINGLE FACE, DIE-CAST ALUMINUM HOUSING, RED LETTERS, ARROWS AND MOUNTING AS INDICATED ON PLANS, 90-MINUTE N-CAD BATTERY	LITHONIA	LQC W 1 R EL N	2"	SEE NOTE 2.
X2	LED	EXIT SIGN, SINGLE FACE, DIE-CAST ALUMINUM HOUSING, RED LETTERS, ARROWS AND MOUNTING AS INDICATED ON PLANS, 90-MINUTE N-CAD BATTERY	LITHONIA	LQC W 2 R EL N	2"	SEE NOTE 2.
X3	LED	EXIT SIGN, DOUBLE FACE, THERMOPLASTIC HOUSING, RED LETTERS, ARROWS AND MOUNTING AS INDICATED ON PLANS, 90-MINUTE N-CAD BATTERY WITH EMERGENCY LAMP HEADS	LITHONIA	LQHM LPO6VS S W 3 R HO	2"	SEE NOTE 2.
Y	LED 32.0W	EXTERIOR WALL BRACKET, 2000 LUMENS, 4000K, OPAL ACRYLIC LENS, 0-10V DIMMING, WET LOCATION LISTED	SCOTT ARCH	S9111 L32 40K AP	5 1/2"	WALL BRACKET
YEM	LED 32.0W	EXTERIOR WALL BRACKET, 2000 LUMENS, 4000K, OPAL ACRYLIC LENS, 0-10V DIMMING, WET LOCATION LISTED, WITH EMERGENCY BATTERY PACK	SCOTT ARCH	S9111 L32 40K AP EML	5 1/2"	WALL BRACKET
Z	LED 25.0W	EXTERIOR WALL BRACKET, 3000 LUMENS, 4000K, VISUAL COMFORT WIDE DISTRIBUTION, 0-10V DIMMING, WET LOCATION LISTED	LITHONIA	WST LED P2 40K VW MVOLT DDBXD	10 3/16"	WALL BRACKET
ZEM	LED 25.0W	EXTERIOR WALL BRACKET, 3000 LUMENS, 4000K, VISUAL COMFORT WIDE DISTRIBUTION, 0-10V DIMMING, WET LOCATION LISTED, WITH EMERGENCY BATTERY PACK	LITHONIA	WST LED P2 40K VW 120 E7WH DDBXD	10 3/16"	WALL BRACKET
AA	LED 19.8W/4FT	4.45" SUSPENDED LINEAR, 2400 LUMENS/4FT, 4000K CCT, 80 CRI, RIBBED MESOPTICS LENS, SINGLE CIRCUIT, 0-10V DIMMING, LENGTH AS SHOWN ON PLANS	LEDALITE	1201LAGQPxx7DEB, A2-24	4.5"	PENDANT RIGID 2' STEM
AAEM	LED 19.8W/4FT	4.45" SUSPENDED LINEAR, 2400 LUMENS/4FT, 4000K CCT, 80 CRI, RIBBED MESOPTICS LENS, SINGLE CIRCUIT, 0-10V DIMMING, WHERE FIXTURE LABEL "AAEM" APPEARS ON LIGHTING PLAN, PROVIDE A 4' FIXTURE SECTION WITH EMERGENCY BATTERY PACK AT THAT LOCATION. PROVIDE AN UNSWITCHED HOT WIRE TO EACH EMERGENCY BATTERY PACK.	LEDALITE	1201LAGQPxxMDEB, A2-24	4.5"	PENDANT RIGID 2' STEM
BB	LED 84.0W	EXTERIOR BOLLARD, 1535 LUMENS, 4000K, AREA LIGHTING BOLLARD VERIFY FIXTURE FINISH WITH ARCHITECT.	HYDREL	3120C-H36-8COB-40K-MVOLT-SYM	40"	EXTERIOR BOLLARD
CC	LED 72.0W	POLE MOUNTED FLAG POLE LIGHT, 8,188 LUMENS, 4000K, VERIFY FIXTURE FINISH WITH ARCHITECT, PROVIDE BEGA POLE MOUNT ACCESSORY MODEL #71 042 (POLE COUPLER). MOUNT FIXTURE AT 8' A.F.G. ON POLE.	BEGA	84 549 K4 - 71 042	14"	POLE MOUNTED FLOODLIGHT
DD	LED 42.0W	8" DIRECT/INDIRECT WALL MOUNTED LED FIXTURE, 4000K, FLUSH LENS, 275 LUMENS PER FT UP & DOWN, 0-10V DIMMING. VERIFY FINISH WITH ARCHITECT. VERIFY FIXTURE LENGTH WILL FIT IN OPENING PROVIDED. FIELD VERIFY OPENING PRIOR TO ORDERING FIXTURE.	FOCAL POINT	FSM4BW FLFL 275DN 275UP 40K 1C UNV LD1 WM 8"	96"	WALL MOUNTED LINEAR FIXTURE
FF	LED 216.0W	POLE MOUNTED LED FIXTURE, 4000K, 21,962 LUMENS, VERIFY FINISH WITH ARCHITECT. PROVIDE A POLE TO MATCH EXISTING SITE LIGHTING FOR POLE HEIGHT, SIZE, AND SHAPE. VERIFY POLE WILL MEET THE REQUIRED EPA 100 MPH WIND RATING.	LITHONIA	KAD LED 60C 1000 40K R3 MVOLT SPD	TBD	POLE MOUNTED AREA LIGHT

GENERAL FIXTURE SCHEDULE NOTES:

- WHERE FIXTURES ARE PROPOSED FOR SUBSTITUTIONS, THE CONTRACTOR SHALL PROVIDE ALL OF THE FOLLOWING WITH EQUIPMENT BROCHURES:
 - PHOTOMETRIC LAYOUTS FOR ALL ROOMS, SHEDS, EXTERIOR AREA, AND ANY OTHER LOCATIONS WHERE LIGHTS ARE USED.
 - POWER DENSITY CALCULATIONS SHOWING ALLOWABLE POWER DENSITIES AND CALCULATED POWER DENSITIES.
 - CERTIFICATION THAT THE FIXTURES PROPOSED COMPLY WITH THE APPLICABLE ENERGY CODE.



2019-09-25 REVISION #1



Electrical Schedules



GS #210-068 NEW ADMINISTRATION BUILDING

MISSISSIPPI DELTA COMMUNITY COLLEGE

Moorhead, Mississippi

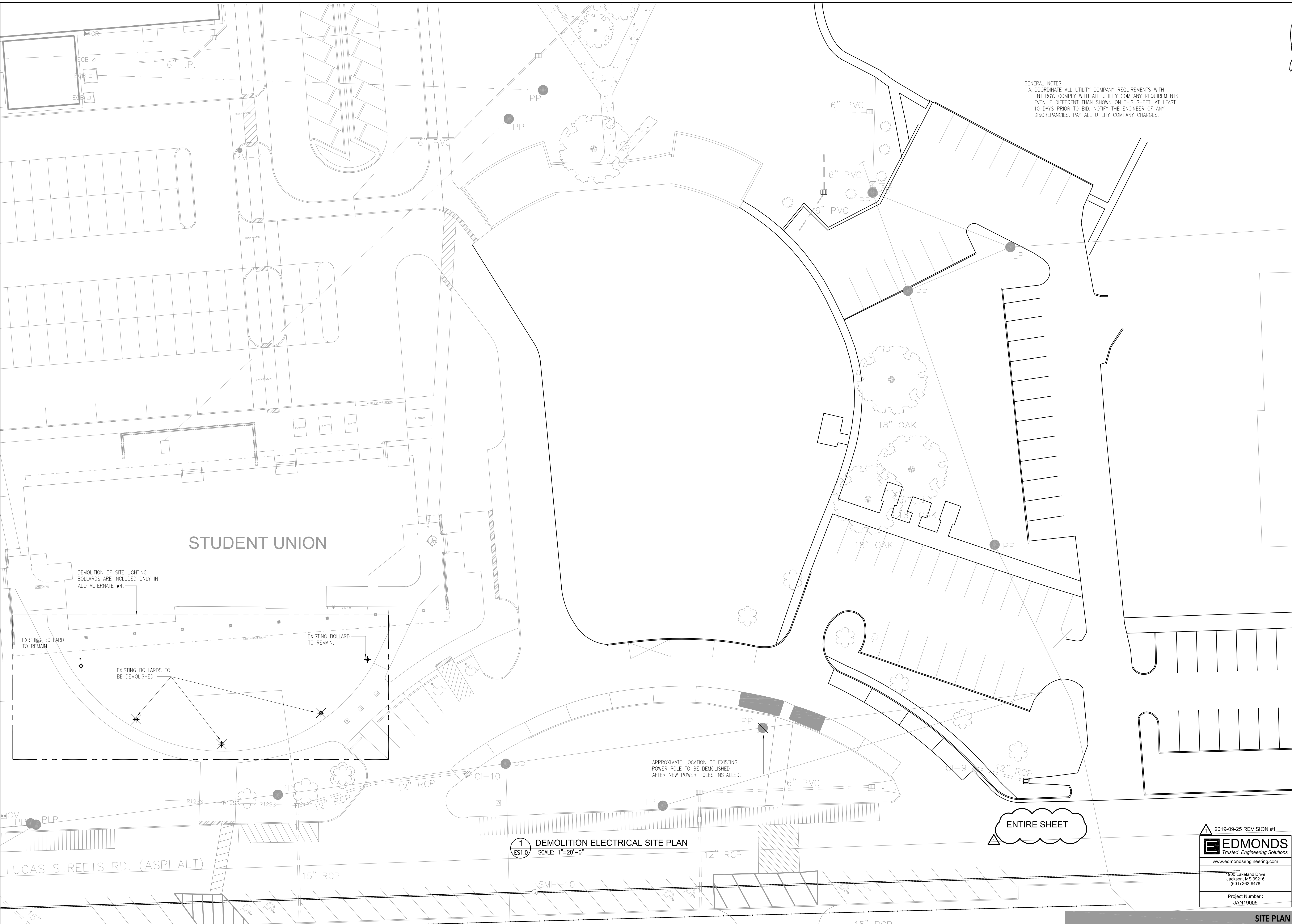
SHAFFER | ZAHNER | ZAHNER
OFFICE OF ARCHITECTURE

510 UNIVERSITY DRIVE | STARKVILLE, MISSISSIPPI 39759 | info@szarch.com | T (662) 323-1628

SHEET
E0.4
SZZARCH# 1845
DRAWN BY: HHB
CHECKED BY: EWB
DATE: 8/13/19



GENERAL NOTES:
 A. COORDINATE ALL UTILITY COMPANY REQUIREMENTS WITH ENERGY. COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS EVEN IF DIFFERENT THAN SHOWN ON THIS SHEET. AT LEAST 10 DAYS PRIOR TO BID, NOTIFY THE ENGINEER OF ANY DISCREPANCIES. PAY ALL UTILITY COMPANY CHARGES.



STUDENT UNION

DEMOLITION OF SITE LIGHTING BOLLARDS ARE INCLUDED ONLY IN ADD ALTERNATE #4.

EXISTING BOLLARD TO REMAIN.

EXISTING BOLLARD TO REMAIN.

EXISTING BOLLARDS TO BE DEMOLISHED.

APPROXIMATE LOCATION OF EXISTING POWER POLE TO BE DEMOLISHED AFTER NEW POWER POLES INSTALLED.

ENTIRE SHEET

1 DEMOLITION ELECTRICAL SITE PLAN
 ES1.0 SCALE: 1"=20'-0"

LUCAS STREETS RD. (ASPHALT)

2019-09-25 REVISION #1

EDMONDS
 Trusted Engineering Solutions
 www.edmondsengineering.com

1900 Lakeland Drive
 Jackson, MS 39210
 (601) 362-6478

Project Number:
 JAN19005

GS #210-068 NEW ADMINISTRATION BUILDING

MISSISSIPPI DELTA COMMUNITY COLLEGE
 Moorhead, Mississippi

SHAFER | ZAHNER | ZAHNER
 OFFICE OF ARCHITECTURE
 510 UNIVERSITY DRIVE | STARKVILLE, MISSISSIPPI 39759 | info@szarch.com | (662) 323-1628

SHEET
ES1.0
 SZZARCH#1845
 DRAWN BY: HHB
 CHECKED BY: EWB
 DATE: 8/13/19

SITE PLAN

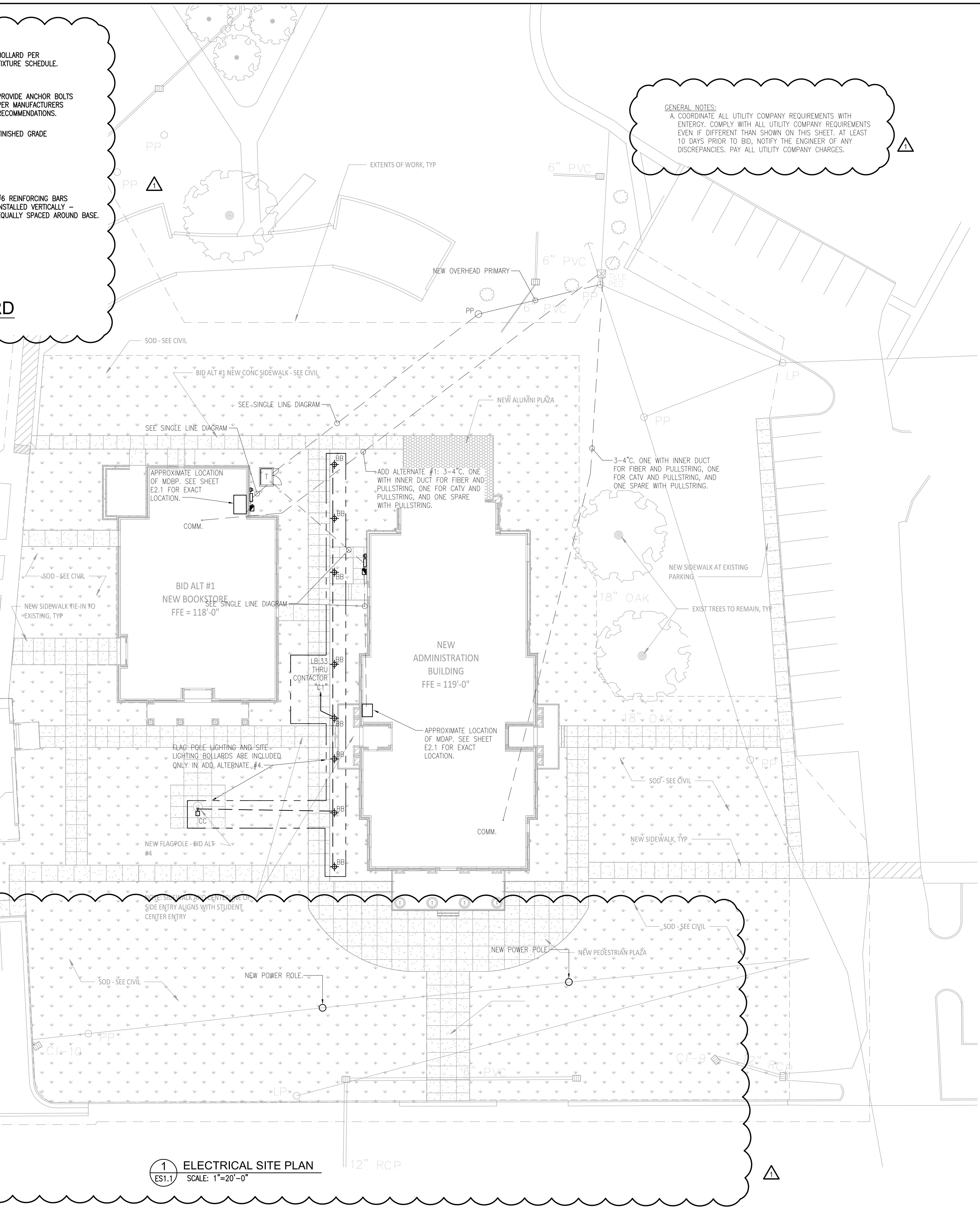
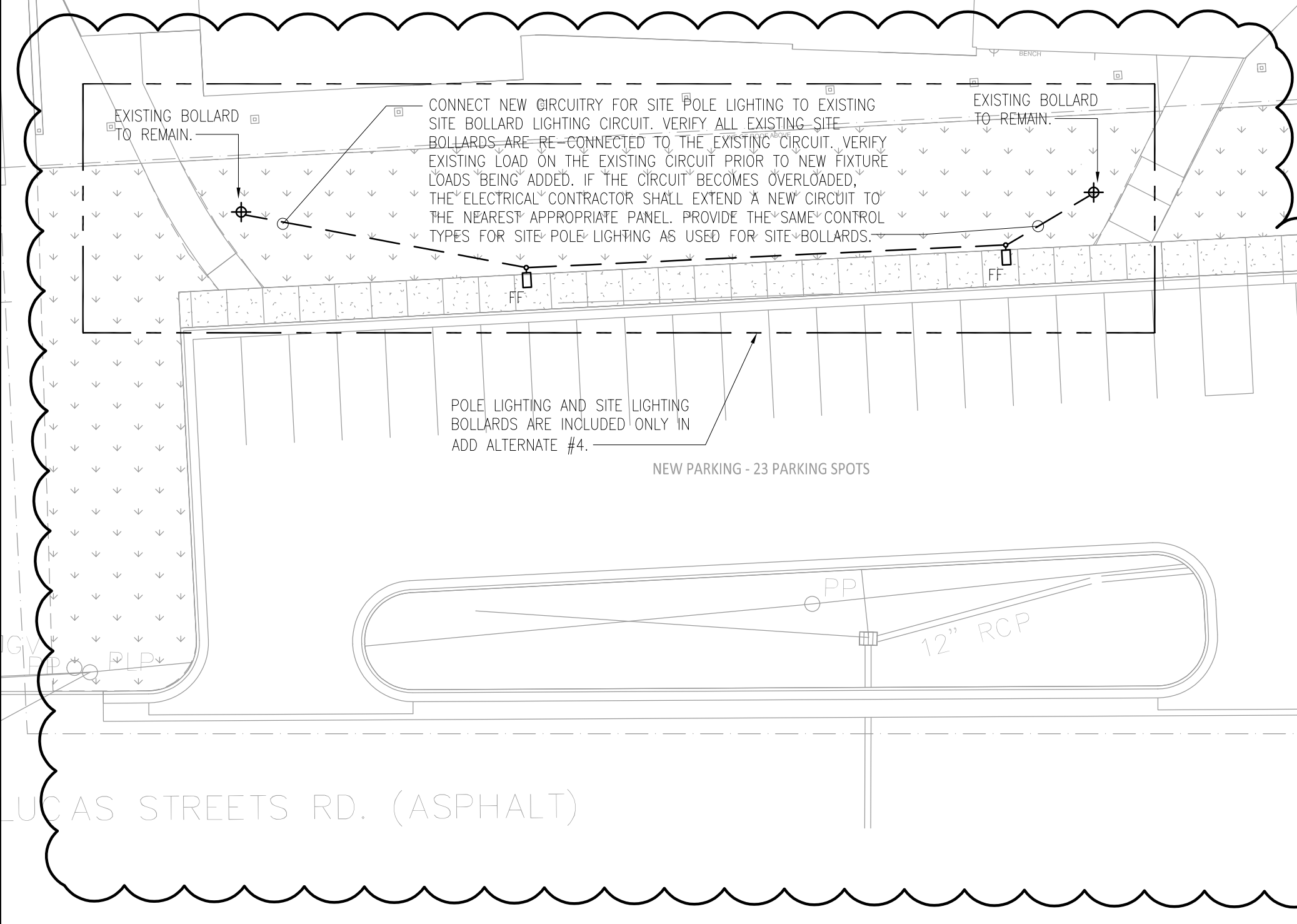
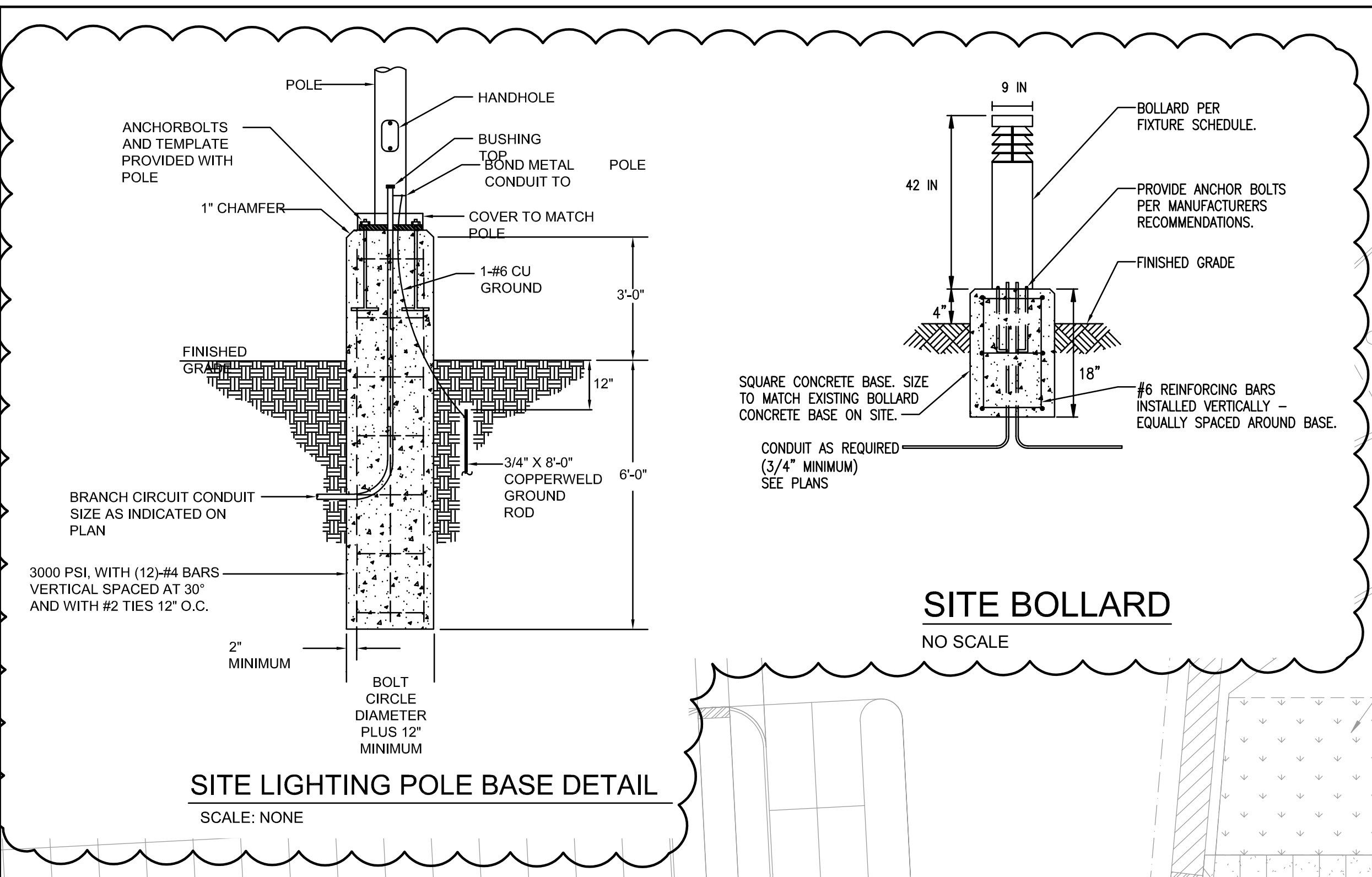


GS #210-068 NEW ADMINISTRATION BUILDING
 MISSISSIPPI DELTA COMMUNITY COLLEGE
 Moorhead, Mississippi

SHAFER | ZAHNER | ZAHNER
 OFFICE OF ARCHITECTURE
 510 UNIVERSITY DRIVE | STARKVILLE, MISSISSIPPI 39759 | info@szarch.com | (662) 323-1628

SHEET
ES1.1
 SZZARCH#1845
 DRAWN BY: HHB
 CHECKED BY: EWB
 DATE: 8/13/19

GENERAL NOTES:
 A. COORDINATE ALL UTILITY COMPANY REQUIREMENTS WITH ENERGY. COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS EVEN IF DIFFERENT THAN SHOWN ON THIS SHEET. AT LEAST 10 DAYS PRIOR TO BID, NOTIFY THE ENGINEER OF ANY DISCREPANCIES. PAY ALL UTILITY COMPANY CHARGES.



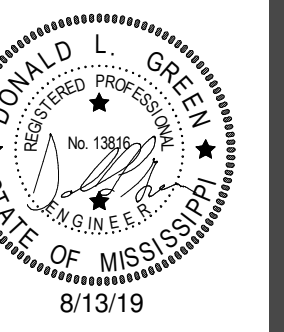
2019-09-25 REVISION #1

EDMONDS
 Trusted Engineering Solutions
 www.edmondsengineering.com

1900 Lakeland Drive
 Jackson, MS 39216
 (601) 362-6478

Project Number:
 JAN19005

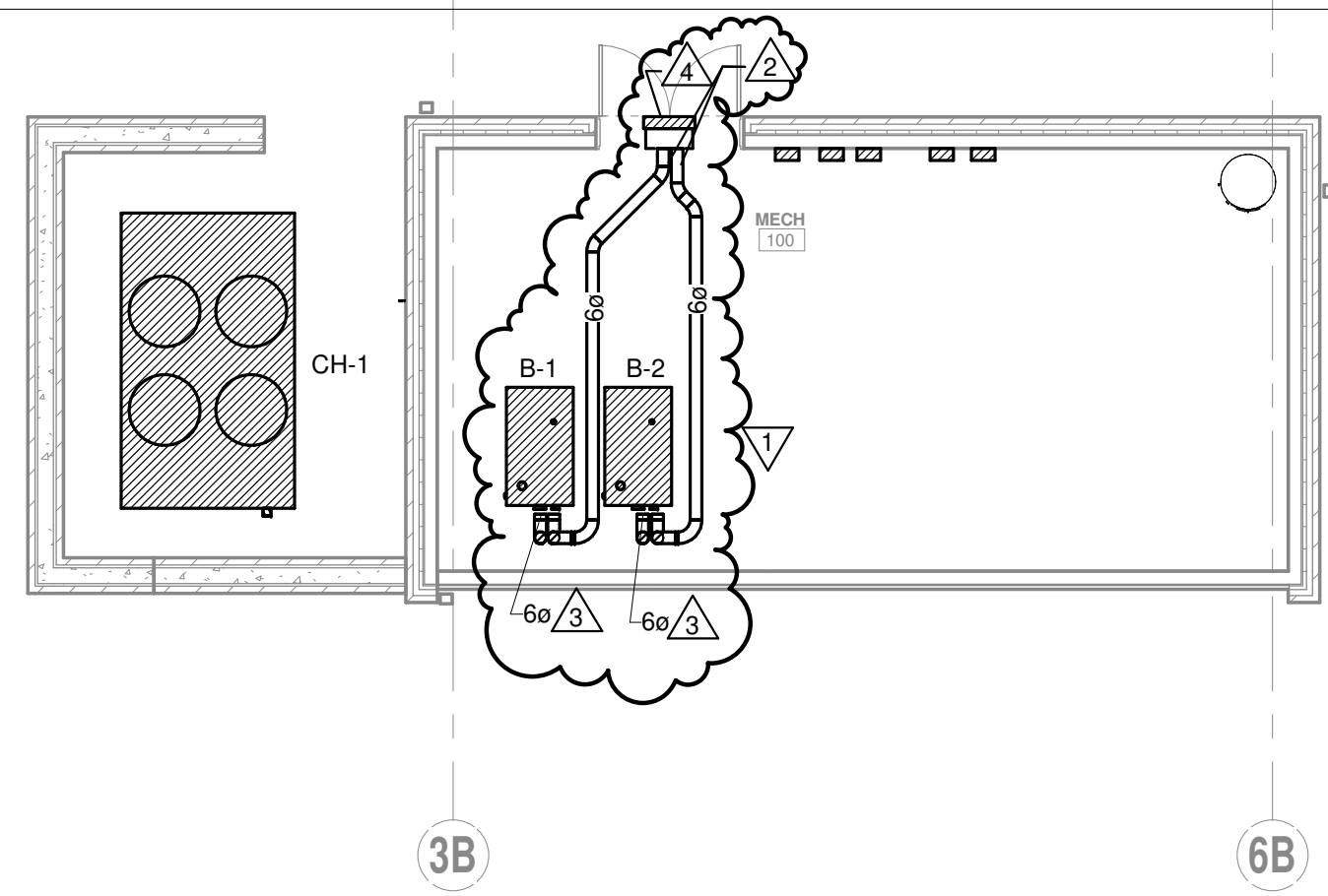
SITE PLAN



GS #210-068 NEW ADMINISTRATION BUILDING
 MISSISSIPPI DELTA COMMUNITY COLLEGE
 Moorhead, Mississippi

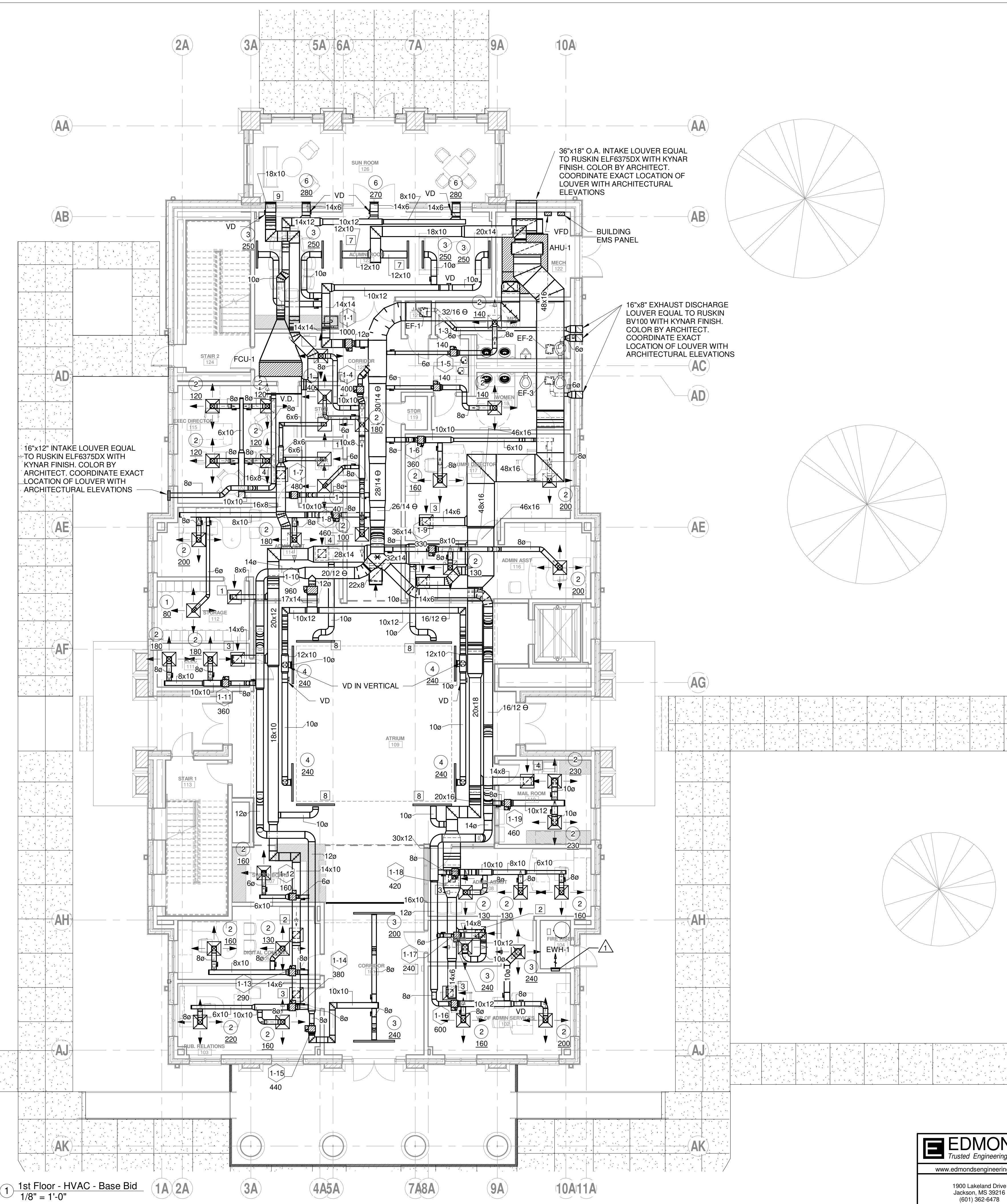
SHAFER | ZAHNER | ZAHNER
 OFFICE OF ARCHITECTURE
 510 UNIVERSITY DRIVE | STARKVILLE, MISSISSIPPI 39759 | info@szarch.com | T (662) 323-1628

SHEET
M1.1R1
 SZZARCH# 1845
 DRAWN BY: TEG
 CHECKED BY: DLG
 DATE: 8/13/19



GENERAL NOTES
 ALL FLAT OVAL AND ROUND MEDIUM PRESSURE DUCT BETWEEN THE AIR HANDLING UNITS AND VAV BOXES IS TO BE **DOUBLE WALL SPIRAL** CONSTRUCTION

- NOTES:**
- 1 PROVIDE ELECTRIC WALL HEATER EQUAL TO QMARK CWH-3208. PROVIDE ELECTRICAL CONNECTION AT 208V, 1ph RATED AT 10 AMPS.
 - 2 6" INTAKE FOR CONDENSING BOILER HIGH ABOVE DOOR.
 - 3 6" FLUE FOR CONDENSING BOILER UP THRU ROOF.
 - 4 PROVIDE 24"x12" INTAKE LOUVER EQUAL TO RUSKING 375DX WITH KYNAR FINISH. COLOR BY ARCHITECT.



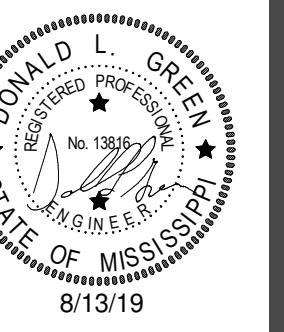
1 1st Floor - HVAC - Base Bid
 1/8" = 1'-0"

REVISIED BY ADDENDUM 1

EDMONDS
 Trusted Engineering Solutions
 www.edmondsengineering.com

1900 Lakeland Drive
 Jackson, MS 39216
 (601) 362-6478

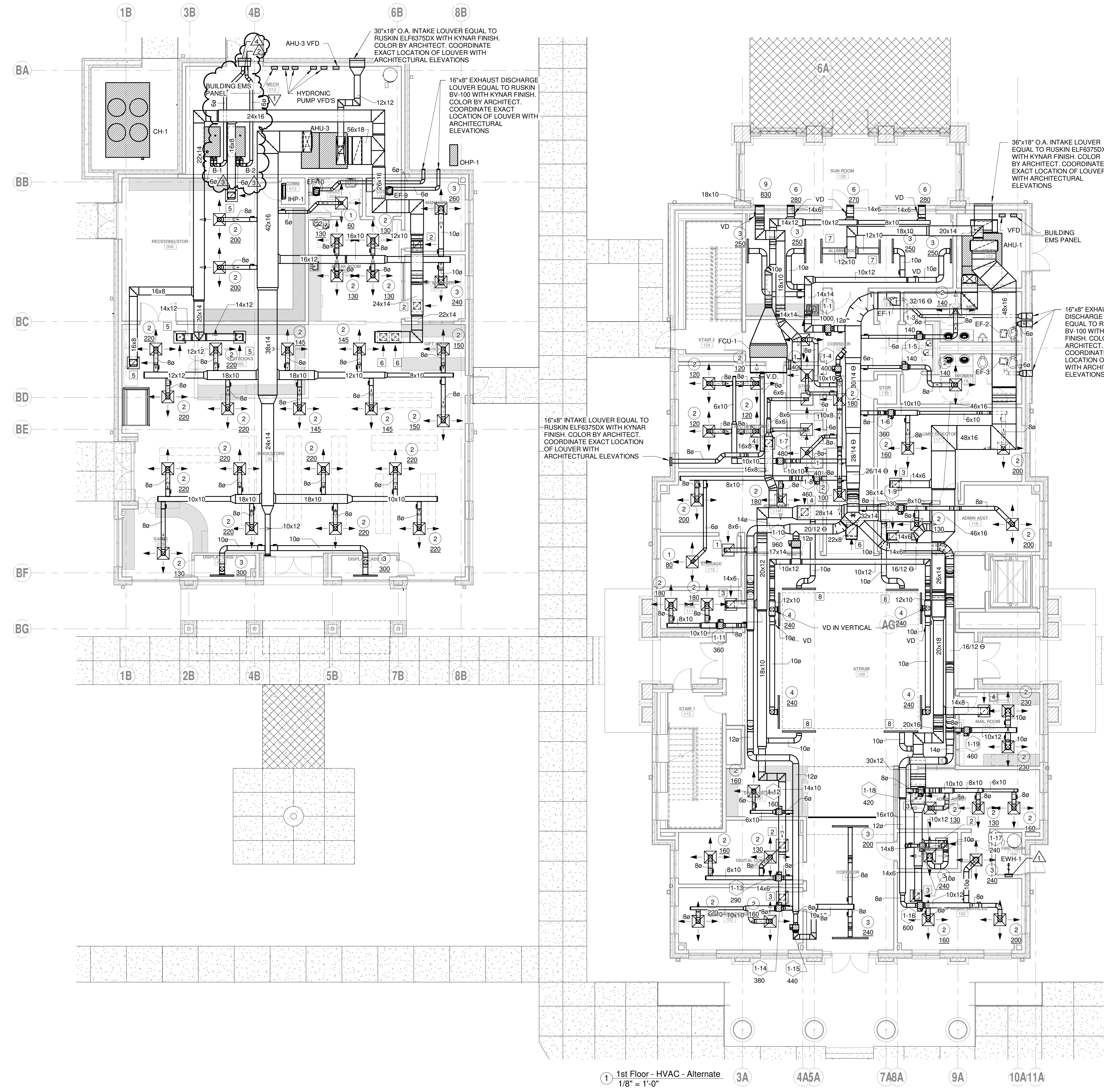
Project Number:
 JAN19005



GS #210-068 NEW ADMINISTRATION BUILDING
 MISSISSIPPI DELTA COMMUNITY COLLEGE
 Moorhead, Mississippi

SHAFER | ZAHNER | ZAHNER
 OFFICE OF ARCHITECTURE
 510 UNIVERSITY DRIVE | STARKVILLE, MISSISSIPPI 39759 | info@szarch.com | T (662) 323-1628

SHEET
M1.1aR1
 SZZARCH# 1845
 DRAWN BY: TEG
 CHECKED BY: DLG
 DATE: 8/13/19



GENERAL NOTES
 ALL FLAT OVAL AND ROUND MEDIUM PRESSURE DUCT BETWEEN THE AIR HANDLING UNITS AND VAV BOXES IS TO BE DOUBLE WALL SPIRAL CONSTRUCTION

NOTES:
 PROVIDE ELECTRIC WALL HEATER EQUAL TO QMARK CWH-3208. PROVIDE ELECTRICAL CONNECTION AT 208V, 1ph RATED AT 10 AMPS.
 6" INTAKE FOR CONDENSING BOILER HIGH ABOVE DOOR.
 6" FLUE FOR CONDENSING BOILER UP THRU ROOF.
 PROVIDE 24"x12" INTAKE LOUVER EQUAL TO RUSKING 375DX WITH KYNAR FINISH. COLOR BY ARCHITECT.

1 1st Floor - HVAC - Alternate
 1/8" = 1'-0"

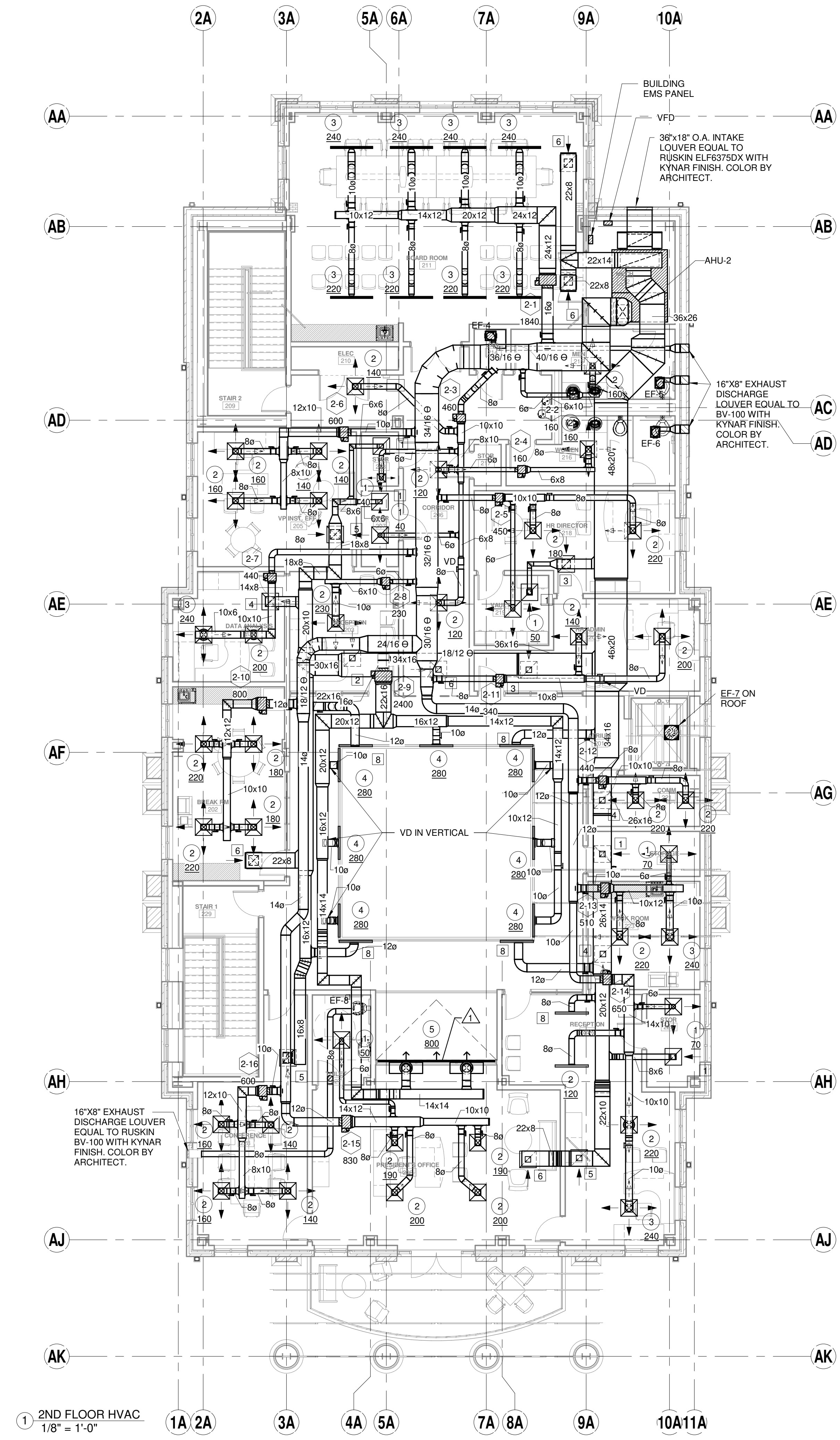
REVISIED BY ADDENDUM 1

EDMONDS
 Trusted Engineering Solutions
 www.edmondsengineering.com
 1900 Lakeland Drive
 Jackson, MS 39216
 (601) 362-6478
 Project Number:
 JAN19005

First Floor Plan - H.V.A.C. - Alternate

GENERAL NOTES
 ALL FLAT OVAL AND ROUND MEDIUM PRESSURE DUCT BETWEEN THE AIR HANDLING UNITS AND VAV BOXES IS TO BE DOUBLE WALL SPIRAL CONSTRUCTION

NOTES
 ▲ SUPPLY SLOT DIFFUSER WITH FIELD BUILT PLENUMS TO DISCHARGE HORIZONTALLY. MOUNT 24" ABOVE LIGHTING POCKET.

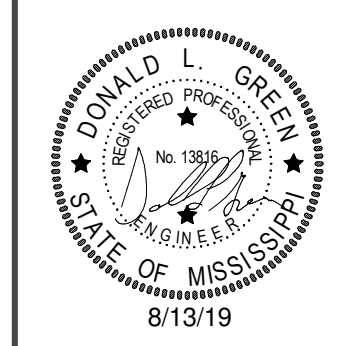


1 2ND FLOOR HVAC
 1/8" = 1'-0"

REVISIED BY ADDENDUM 1

EDMONDS
 Trusted Engineering Solutions
 www.edmondsengineering.com
 1900 Lakeland Drive
 Jackson, MS 39216
 (601) 362-6478
 Project Number:
 JAN19005

Second Floor Plan - H.V.A.C.



GS #210-068 NEW ADMINISTRATION BUILDING
 MISSISSIPPI DELTA COMMUNITY COLLEGE
 Moorhead, Mississippi

SHAFER | ZAHNER | ZAHNER
 OFFICE OF ARCHITECTURE
 510 UNIVERSITY DRIVE | STARKVILLE, MISSISSIPPI 39759 | info@szarch.com | T (662) 323-1628

SHEET
M1.2R1
 SZZARCH# 1845
 DRAWN BY: TEG
 CHECKED BY: DLG
 DATE: 8/13/19