July 19, 2019

ADDENDUM NUMBER TWO (2)

Project: Ridgeland City Hall
City of Ridgeland
PN: 14084

FROM: Dean and Dean/Associates Architects, P.A.
4400 Old Canton Road, Suite 200
Jackson, MS 39211
(601) 939-7717

The following additions, changes, clarifications and/or substitutions to the Project Drawings as indicated, are hereby made a part of the Contract Documents. Acknowledge receipt of this Addendum by inserting its number and date in the Proposal Form where indicated.

Clarifications:

Item #1: Section 004100 - Bid Form, Section 1.05 Offer, as follows:

1. If you as a prime contractor are not bidding on a particular portion of the work (i.e. Prime General not bidding on Electrical or Mechanical Package) then leave that line item on the Bid Form blank.

Item #2: Section 004100 - Bid Form, Section 1.08 Unit Prices For Drilled Piers, Sub-Section B and C, as follows:

1. If a particular shaft diameter is NOT in the drawings, then leave that line item on the Bid Form blank.

General Questions and Clarifications:

- Is this project sales tax exempt? If the project is sales tax exempt, can the government provide a sales tax exemption certificate:
  - This project is not tax exempt.

- Will the City provide comprehensive written badging requirements for the project if badging is required?
  - Badging is not required.

- Where will the designated parking area be for workers accessing the construction site?
  - Northside of laydown area until parking lots are available. Refer to Civil drawings.

- Will the City accept the use of the industry leading Procore Project Management software as the primary submittal and data tracking tool for this project?
  - Construction Manager controls submittal process. See specs.

- Does the City have a fire alarm servicer that they currently work with? What is the name and contact information of the person or persons that will need to be coordinated with for security and fire alarm and suppression systems work and/or disruptions?
  - N/A

- Does the City currently have a 3rd party testing service for those items requiring testing or is the contractor free to locate and hire applicable testing firms?
    - Hired by General Works Prime subject to City approval.

- Who is responsible for the utility locations?
    - Shown on drawings

- Due to current potentially significant tariffs being placed on the importation of building materials such as wood or steel by the current Presidential Executive Branch, if a tariff is placed after bid time and before award, will the government consider a price escalation on a contract value for products such as steel or wood should the executive branch levee tariffs effecting such materials? Most of these materials would still have been Buy American compliant as the tariffs would increase pricing on all steel or wood materials, regardless of origin.
    - No price escalations will be considered or accepted.

- Can the sign-in sheet for the site visit be published prior to the bid date?
    - There has been no organized site visit with a sign-in sheet.

- Who is responsible for the HVAC controls in the City's buildings and who is the point of contact?
    - HVAC Prime will handle controls and coordination.

- Does this project require a dedicated SSHO and a dedicated QCM or can these positions be dual hatted?
    - Not required.

- Are Divisions 27 and 28 to be bid as part of the Electrical Prime Contractor's work?
    - Yes.

- Is the transformer pad to be constructed by the Electrical Prime or the General Works Prime?
    - Transformer concrete pad is to be constructed by the General Works Prime. Coordinate conduit locations with Electrical Prime.

Architectural Drawings:

Item #1: Sheet A601, as follows:

Replace in its entirety.

Item #2: Sheet A604, as follows:

Replace in its entirety.

Civil

See attached Civil items provided by Waggoner Engineering

Structural

See attached Structural items provided by Spencer Engineers

Mechanical

See attached Mechanical items provided by Engineering Resource Group

Electrical

See attached Electrical items provided by Jon Rice and Associates

End of Addendum Number Two (2)

Dean and **Dean/Associates**
architects p.a.

J. Alan Grant, AIA, Vice President

REGISTERED ARCHITECT
7.19.19
J. Alan Grant
4409
STATE OF MISSISSIPPI

PLEASE ATTACH THIS ADDENDUM TO THE INSIDE FRONT COVER OF EACH SET OF SPECIFICATIONS.

ADDENDUM NO. 2

RIDGELAND, MS
RIDGELAND CITY HALL
PROJECT #14048

July 18, 2019

The Contract Documents, Plans, and Specifications shall be amended/clarified as set forth herein below:

1. Replace the following plan sheets with those attached to this addendum:
    a. Sheet C0.4 – Details
    b. Sheet C0.8 – Details

2. Replace the following Specifications:
    a. Sheet 033040-2

List of Attachments

1. Plan Revision Details and Responses to RFIs
2. Plan Sheets Listed Above
3. Specification Sheet Listed Above

Bidder shall acknowledge receipt of Addendum No. 2 on Page 3 of the Bid Form, Section 00 4100.

William L. McDonald, PhD, P.E.

WILLIAM L. McDONALD REGISTERED PROFESSIONAL ENGINEER 10066 STATE OF MISSISSIPPI

Date: 7/18/19

Addendum No. 2

Project Name:	Ridgeland City Hall		
Location:	Ridgeland, MS	Project Number:	14048
Date of Addendum:	July 18, 2019	Addendum Prepared By:	Taylor Carmichael

Plan Revision Details

Sheet C0.4:

1. Detail C4: Updated Bomanite stamped concrete pattern and finish

Sheet C0.8:

1. Detail C23: Nyloplast Drop Inlet detail was added
2. Detail C24: Detail was renamed to "Catch Basin Detail"

Specification Revision Details:

1. Sheet 033040-2 – Added 1.04B "Contractor to submit a 24" x 24" sample to be approved by the City of Ridgeland"

Responses to RFIs

1. Will both 2.5" lifts of 5" MT-19mm base course asphalt go under curb and gutter? Or will 1st lift of 2.5" go 2' beyond curb and gutter and 2nd lift of 2.5" meet at top of curb and gutter along with 2" MT-12.5mm and 1.5" MT-19mm? First lift of 2.5" MT-19mm base course asphalt will be placed 2' beyond curb and gutter. Second lift of 2.5" MT-19mm base course will be tied-in to the curb and gutter.

2. Center concrete pavement drive detail, Sheet C2.6, is this detail referring to the stamped concrete areas? Yes, this detail is referring to the stamped concrete area.

3. Clarification of the location of the Left Asphalt Drive Detail, C2.6 and Right Asphalt Drive Detail, Sheet C2.7. Are these details referring to the same area, being all asphalt paving areas? The Right Asphalt Drive Detail is referring to the Right Alignment on Sheet C2.4 and the Left Asphalt Drive Detail is referring to the Left Alignment on Sheet C2.4. Both of these asphalt drives will have areas where stamped concrete pavement is to tie-in to the asphalt.

4. Sheet C1.1, Remove 37 SY asphalt pavement on Moon Street. Will this area require new asphalt? If so, what is the asphalt detail? This area will not require placement of new asphalt.

O. ASTM A615 - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement.

P. ASTM C94 - Standard Specification for Ready-Mixed Concrete.

Q. ASTM C206 - Standard Specification for Finishing Hydrated Lime.

R. ASTM C233 - Standard Test Method for Air-Entraining Admixtures for Concrete.

S. ASTM C979 - Standard Specification for Pigments for Integrally Colored Concrete.

T. ASTM C1059 - Standard Specification for Latex Agents for Bonding Fresh To Hardened Concrete.

U. ASTM D1751 - Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types).

V. ASTM D1752 - Standard Specification for Preformed Sponge Rubber and Cork Expansion Joint Fillers for Concrete Paving and Structural Construction.

1.04 SUBMITTALS

A. Submit under provisions of Section 5 of the Supplemental General Conditions.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Installation methods.

C. Testing:

See Section 033110 – Concrete for Sitework contained herein.

D. Contractor to submit a 24" x 24" sample to be approved by the City of Ridgeland.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications:

B. Installer Qualifications:
1. The Installer shall provide a qualified foreman or supervisor who has a minimum of three years experience with imprinted and textured concrete, and who has successfully completed at least five Bomanite imprinted concrete installations of high quality and similar in scope to that required.
2. The concrete is cast in place, on the job site, by trained and experienced workmen who shall be employed by a firm that is a licensed and certified Bomanite Imprint Franchise Partner
3. Perform work in accordance with ACI 301, 302, 303.
4. Obtain materials from same source throughout.
5. Conform to applicable codes and regulations for paving work performed within the public right of way.

C. Ready-Mixed Supplier Qualifications: Supplier of ready-mixed concrete products shall comply with ASTM C 94 requirements for production facilities and

July 19, 2019

RIDGELAND CITY HALL
RIDGELAND, MS

STRUCTURAL ADDENDUM #2

Drawings

Item No. 1 Ref. Sheet S100 – Under "Special Inspections per the 2012 IBC", Number 1 shall read "The contractor shall employ one or more special inspectors to provide inspections during construction and shall employ testing laboratory to perform all tests. The Owner and Owner's Representative must approve the special inspector and testing laboratory in writing."

ENGINEERING RESOURCE GROUP

DATE

ADDENDUM NO. TWO (2)

RIDGELAND CITY HALL
ERG P.N. 15.058

I. PERTAINING TO THE DRAWINGS

A. P101

a. At all storm water drains change Note 1 to Note 13.
b. Add Note 13 to read "Continuation by GW Prime. See C2.2"

B. P105

a. Add the following to Note 1: "Nyloplast inlets are acceptable".

C. P601 – Revise schedules as shown below

a. Water heater to be provided with cord and plug.
b. Drinking fountains to be provided with cord and plug.
c. Provide and install a minimum of (2) power converters in 134-Men and 2 power converters in 133-Women's for flush valves and lavatories. Provide one power converter per single restroom. Power converters to only serve fixtures in room in which they are installed.

D. M102

a. Replace entire sheet with attached.

E. M602

a. Replace entire sheet with attached.

F. M702

a. Exhaust fan on Rooftop unit to be constant volume. VFD not required.

II. PERTAINING TO THE SPECIFICATIONS

A. 237416.11 – Packaged Rooftop Air Conditioners

a. Add the following to 1.6 Warranty "5. Provide 5-year parts and labor warranty (including VFD's)"
b. Revise 3.4.A to read as follows: "Startup must be performed by a factory service entity. Contractor start-up not allowed."

B.

END OF ADDENDUM NO. 1

Jon D. Rice & Associates, LLC

Electrical Engineering Consultants
5403 Castlewoods Court · Suite G · Flowood, MS · 39232
Tel: 601-919-8040 Fax: 601-919-8060

July 18, 2019

Dean & Dean Architects
Attn: Alan Grant
P.O. Box 4685
Jackson, MS 39216

Re: Ridgeland City Hall

Electrical Addendum #2

Addendum items are as follows:

Panic Button Devices

1. A complete panic alarm system shall be installed. Coordinate exact location of Panic Buttons with Owner and General Contractor prior to rough in. All head equipment shall be installed in Computer/Servers 248. The panic button system components shall be equal to the following Honeywell products:
    a. Vista 20P Controller.
    b. Expander 8 Zone Plus Series.
    c. 6150RF LCD Keypad.
    d. 12V 4AH SLA battery
    e. LTE-XVLTE Controller-Radio
    f. 5802WXT 1-Button Multi-Purpose Panic Buttons

Specifications (Section 26 05 33)

1. All homeruns shall be ¾" conduit. Branch circuits may be installed in ½" conduit.

Specifications (Section 28 13 00)

1. Part 1.5, Operation and Maintenance Data
    a. Letter A. Submit under provisions of Section 26 00 10

2. Part 3.8, Demonstration
    a. Letter A, Provide system demonstration under provisions of Section 26 00 10.
    b. Letter C, Provide system training under provisions of Section 26 00 10.

3. For clarification, the existing Access Control System standard is System Galaxy by Galaxy Control Systems.

Sheet E0.1

1. A receptacle with an "E" adjacent to it indicates this receptacle shall be on emergency power.

2. A receptacle with an "M" adjacent to it indicates this receptacle shall be mounted for a Monitor/Television. Receptacle and data rough ins for monitors shall be concealed behind the Monitors/Televisions after they are in place. Coordinate exact mounting height with General Contractor prior to rough-in.

3. A smoke damper has been added to the Fire Alarm legend.

4. Clean Agent Fire Protection System Control Panel has been added to the legend.

5. Access control electronic panic hardware has been added to the legend.

6. Clarification on electric strikes has been added to the legend.

7. Emergency Power Off button has been added to the legend.

8. Telephone/Data Cabling Legend has been added.

9. A conductor sizing chart for 15 and 20 Amp circuits has been added.

10. Panic button devices have been added to the legend.

Sheet E0.2

1. Equipment Power Connections Schedule Mark 57 shall be used for Terminal Unit T-4.13. The terminal unit is 277 Volt, 4.5 KW, and

shall be served from a 25A/1P breaker on circuit H2B-16 with 2-#10, 1-#10(G), 3/4"C. Provide 30A disconnect fused at 20 amps above ceiling adjacent to unit.

2. Equipment Power Connection Schedule Mark 63 shall have a 25A/2P circuit breaker.

3. Equipment Power Connection Schedule Mark 70 shall have a 25A/2P circuit breaker.

4. Equipment Power Connection Schedule Mark 71 shall have a 45A/2P circuit breaker and shall be provided with a 60 amp disconnect, fused at 30 amps.

5. Equipment Power Connection Schedule Mark 72 shall have a 30 amp disconnect, fused at 9 amps.

6. Equipment Power Connection Schedule Mark 62 shall serve RTU-4 and shall be fed from circuit MDP-19,21,23.

7. Equipment Power Connection Schedule Mark 64 & Mark 65 (Re-circulation pumps 1 & 2) shall be 1/8 HP pumps. Each pump shall be fed from a common15A/1P breaker with 2-#12, 1-#12(G), 3/4"C. Provide 30A disconnect fused at 5 amps for each re-circulation pump.

8. Equipment Power Connection Schedule Mark 74 shall indicate DSS-1, and DSS-2 shall be served from their respective outdoor unit.

9. Fixture L shall be selected by others. Provide $5500.00 allowance for fixture.

10. Some conductor sizes increased on the Equipment Power Connection Schedule for voltage drop purposes.

<u>Sheets E0.3 & E0.4</u>

1. Panel Schedules have been modified to reflect changes to circuits in this addendum.

2. Panel H1B has been included in Main Distribution Panel MDP. Panel MDP shall have 800A/3P 100% rated Main Breaker.

3. Panel L1E has been expanded into a 60 Pole, double section panel.

4. Panel schedule for Panel UPS1 has been added.

Sheets E0.5

1. A pole base detail has been added for type SL4 fixtures.

Sheet E0.6

1. Keynote 11 serving T-UPS shall change to Keynote 16. Feeder shall be 3-#4, 1-#8(G), 1-1/4"C.

2. Keynote 12 serving the UPS shall changes to Keynote 17. Feeder shall be 4-#1/0, 1-#6(G), 2"C.

3. The UPS/IT Riser Rack Detail has been added.

Sheets E1.1 & E1.2

1. A tamper switch for monitoring the post indicator valve has been added.

2. The Pole Bases for Fixture Types SL1A and SL1B shall be installed per Detail 1/Sheet E0.5 The Pole Bases for fixture Type SL4 shall be installed per new pole base detail

Sheet E3.1

1. Terminal Unit with Equipment Connection Schedule Mark 66 (Lobby Waiting 113) shall be labeled T-1.16.

2. Provide 120 Volt connection to Building Automation System in Mechanical Room 153. 120 Volt connection shall be circuit L1E-37. Coordinate exact location of Building Automation Systems with General and Mechanical Contractor prior to rough-in.

3. Homerun Circuit L1E-28 in Break Room 145 shall be marked with Keynote 1.

4. Provide two additional switches and connections to Automatic Faucet Valves and Flush Valves in Men's Restroom 134. Connect to circuit L1E-35.

5. Provide 120 volt connection to Fire Alarm bell on outside wall of Mechanical room 153 for Fire Protection Riser. Connect to circuit L1E-39Z. See Sheet E5.1 for additional requirements regarding the Fire Riser.

6. Electrical Gear in Electrical Room 152 has been modified.

7. Where floor boxes are shown, floor box shall have power and data and shall be equal to Hubbell System One Series with Brass cover plate. Floor box shall include the following:

    a. Two 5-20R receptacles.
    b. Two data outlets, run ¾" conduit from box to above accessible ceiling and provide two Cat 6 Cables.
    c. One HDMI outlet. Run one 2" conduit from box to TV outlet at wall and include HDMI cable.

Sheet E3.2

1. Terminal Unit with Equipment Connection Schedule Mark 54 in Computer Servers 248 shall be located in Computer Office 245.

2. Terminal Unit with Equipment Connection Schedule Mark 56 in Electrical 255 shall be located in Corridor 254.

3. Provide connection to automatic faucets and flush valves in Restrooms Women 220 and Men 218. Provide a single homerun circuit from panel L2A (Circuit L2A-42) and connect to both power converters. Power converters shall be provided by Mechanical Contractor. Provide a toggle switch at each connection for disconnecting means.

4. Two smoke dampers shall be installed near Storage 250. Connect to Panel L2E, circuit L2E-13.

5. Two smoke dampers shall be installed near Records/Vault 205. Connect to Panel L2E, circuit L2E-15.

6. A control panel for Clean Agent Fire Protection shall be installed in Storage 250, for fire protection of Storage 250, and Computer/Servers 248. Provide 120 Volt connection (Circuit L2E-17). See Sheet E5.2 for additional Fire Alarm and emergency requirements.

7. A control panel for Clean Agent Fire Protection shall be installed in Storage 208, for fire protection of Records/Vault 205. Provide 120 Volt connection (Circuit L2E-19). See Sheet E5.2 for additional Fire Alarm and emergency requirements.

8. Mechanical Equipment Power Connection schedule Mark for DSS-3 indoor unit shall change from 74 to 72.

9. The UPS/IT rack and Panel UPS1 has been modified in Computer/Servers 248.

10. Provide double duplex receptacle at telephone backboard and connect to L2E-19.

11. Where floor boxes are shown, floor box shall have power and data and shall be equal to Hubbell System One Series with Brass cover plate. Floor box shall include the following:

    a. Two 5-20R receptacles.
    b. Two data outlets, run ¾" conduit from box to above accessible ceiling and provide two Cat 6 Cables.
    c. One HDMI outlet. Run one 2" conduit from box to TV outlet at wall and include HDMI cable.

Sheet E4.1

1. Access Control:
    a. Electrified Panic Hardware shall be installed on Doors 154A (Front Entry/Vestibule 154) and Doors 156A (Rear Entry double doors). Electrified Panic Hardware shall be provided and installed by the door hardware vendor. The Door Hardware Vendor shall provide a power point at a accessible location for the Access Control Vendor to provide power and monitoring for these doors.

    b. The Access Control Vendor shall provide electric strikes for all other doors. Doors with Panic Hardware shall have surface mount Electric Strikes. A plan shall be provided clarifying which doors have panic hardware.

2. Provide Data drop to Building Automation System in Mechanical Room 153. 120 Volt connection shall be circuit L1E-37. Coordinate exact location of Building Automation Systems with General and Mechanical Contractor prior to rough-in.

3. Camera types over Clerks in Clerks 112, and Clerk 117 have been changed to type C1 cameras.

4. Data Port labeling has been provided for the Security Cameras. Security Cameras shall have one Cat 6 cable data connection.

5. Wireless Access points have been adjusted and have been provide with data port labeling. Wireless Access Points shall have two Cat 6 data connections.

6. Provide Copper Analog line to Elevator Emergency Phone system.

7. Where floor boxes are shown, floor box shall have power and data and shall be equal to Hubbell System One Series with Brass cover plate. Floor box shall include the following:

    d. Two 5-20R receptacles.
    e. Two data outlets, run ¾" conduit from box to above accessible ceiling and provide two Cat 6 Cables.
    f. One HDMI outlet. Run one 2" conduit from box to TV outlet at wall and include HDMI cable.

Sheet E4.2

1. Cable tray passing through Computer/Servers 248 shall not pass through walls of Computer/Servers 248. Stop Cable tray short of each side of wall and provide Four 4" Sleeves and fire caulk sleeves and conductors after installation of all conductors.

2. Access control in Administration Lobby 226 moved from door 226A to 226B.

3. Access Control has been added to door 240A in Parks and Rec Reception 238.

4. UPS/IT rack, and Cable Tray has been modified. Panel UPS has been located on the drawings.

5. Cable Tray shall be 18"W x 4"D basket type tray, with center hung support. Provide tees and offsets as required.

6. Data Port labeling has been provided for the Security Cameras. Security Cameras shall have one Cat 6 cable data connection.

7. Wireless Access points have been adjusted and have been provide with data port labeling. Wireless Access Points shall have two Cat 6 data connections.

8. Provide ground bus bar on standoff at telephone backboard. Connect to building system ground at Main Distribution panel with #4 AWG grounding conductor.

9. Where floor boxes are shown, floor box shall have power and data and shall be equal to Hubbell System One Series with Brass cover plate. Floor box shall include the following:

    g. Two 5-20R receptacles.
    h. Two data outlets, run ¾" conduit from box to above accessible ceiling and provide two Cat 6 Cables.
    i. One HDMI outlet. Run one 2" conduit from box to TV outlet at wall and include HDMI cable.

Sheet E5.1

1. Provide Fire Alarm monitoring of Fire Riser Bell on outside of building adjacent to Mechanical 153.

2. Provide a Tamper and a Flow Switch for each fire alarm riser. (Total of two tamper switches and two flow switches)

3. A smoke detector has been added to A/V/L 104.

Sheet E5.2

1. Provide Zone Addressable module for monitoring of Clean Agent Fire Suppression system in Storage 250 and in Storage 208.

2. Provide Monitoring of two Smoke Dampers located near Storage 250, and two smoke dampers located near Records/Vault 205.

3. Omit Smoke Detector in Records/Vault 205. Smoke detectors will be supplied and installed by Clean Agent Fire Suppression System Vendor for this room.

4. Smoke detectors will be supplied and installed by Clean Agent Fire Suppression System Vendor for Storage 250, and Computer/Servers 248.

5. Provide a push button in Records/Vault 205 and interlock to close smoke dampers supplying air in this room.

6. Provide a push button at each door in Computer/Servers 248 interlock to shunt trip breaker serving Air Units DSS-1, and DSS-1.

7. Provide a push button in Storage 250 and interlock to close with smoke dampers supplying air in this room.

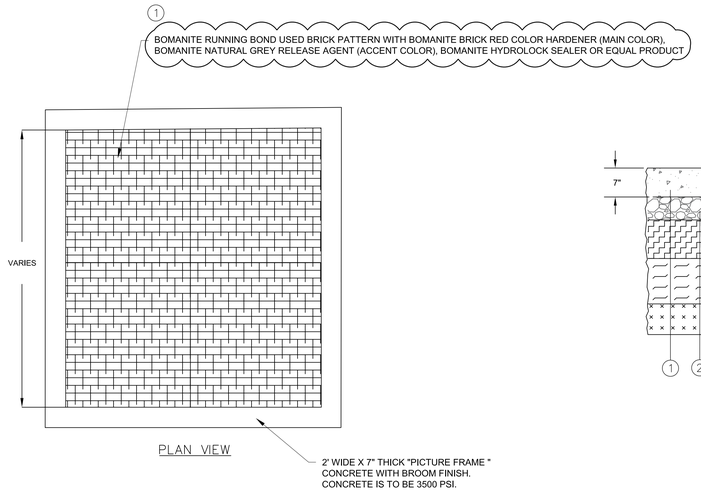
Sheet E6.1

1. Provide antenna equal to Motorola XTL2500 Antenna, installed on roof for connection to existing Motorola 700/800 Base. Base shall be relocated from Existing City Hall by others. Include 8" standoff bracket, connectors, and LMR400 Coaxial cable to base (Base to be installed in Computer/Servers 248). Provide polyphase (surge suppressor) and 17' coaxial jumper from polyphase to radio. Ground polyphase with #6 AWG to building steel. Existing Radio Standard is Motorola and all new components shall be compatible with existing radio system head end equipment.

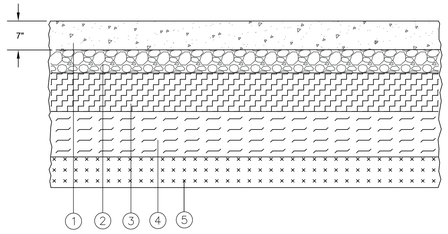
If you have any questions or concerns regarding this addendum, please call.

Thanks,

Michael Layman



PLAN VIEW

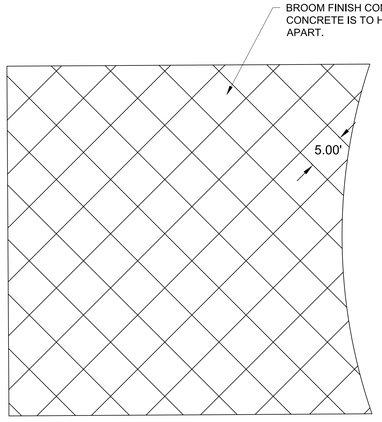


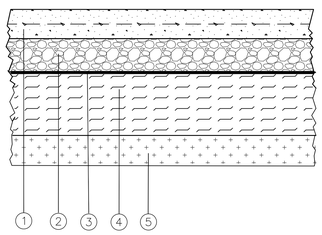
SECTION VIEW

1. 7" CONCRETE, 3500 PSI WITH STAMPED BRICK FINISH
2. 6" CRUSHED STONE BASE
3. 12" LIME TREATED SUBGRADE
4. 24" NON-EXPANSIVE CLAY SOIL BUFFER COMPACTED TO 95% ASTM D698
5. UNDISTURBED MATERIAL

NOTE:
1. FOR CENTER CONCRETE PAVEMENT SECTION, JOINTS SHALL BE 11' X 11'.
2. FOR LEFT AND RIGHT CONCRETE PAVEMENT SECTION, JOINT SHALL BE 11.5' X 11.5'

STAMPED CONCRETE PAVEMENT DETAIL
NOT TO SCALE C4

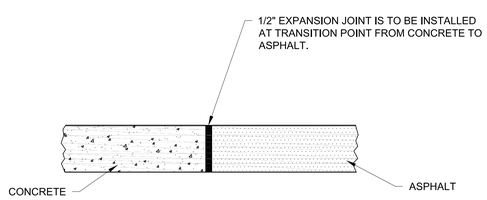




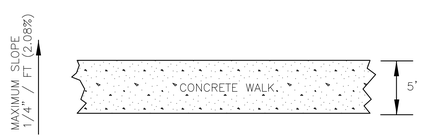
CONCRETE SIDEWALK ENTRANCE
ELEVATION VIEW

1. 4" CONCRETE, 3500 PSI
2. 6" CRUSHED STONE BASE
3. GEOTEXTILE FABRIC
4. 84" NON-EXPANSIVE CLAY SOIL BUFFER TO 95% ASTM D698
5. UNDISTURBED MATERIAL

CONCRETE SIDEWALK ENTRANCE DETAIL
NOT TO SCALE C5

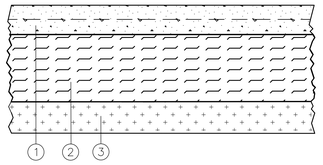


CONCRETE TO ASPHALT TRANSITION DETAIL
NOT TO SCALE C6



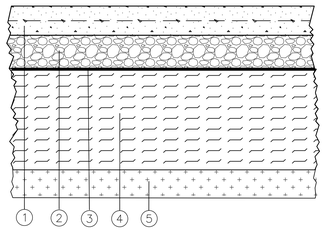
PLAN VIEW

REINFORCE WITH W1.4X1.4 SMOOTH BAR SHEETS (NOT ROLLS). PLACE TOOLED CONTROL JOINTS @ 10' O.C. AND SEALED EXPANSION JOINTS @ 30' O.C. REINFORCING SHALL BE PLACED @ MID-DEPTH OF SLAB.



CONCRETE SIDEWALK
ELEVATION VIEW

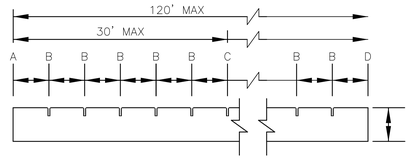
1. 4" CONCRETE, 3500 PSI
2. 36" NON-EXPANSIVE CLAY SOIL BUFFER TO BE COMPACTED TO 95% ASTM D698.
3. UNDISTURBED MATERIAL



STRUCTURAL CONCRETE SIDEWALK
ELEVATION VIEW

1. 4" CONCRETE, 3500 PSI
2. 6" CRUSHED STONE BASE
3. GEOTEXTILE FABRIC
4. 84" NON-EXPANSIVE CLAY SOIL BUFFER COMPACTED TO 95% ASTM D698
5. UNDISTURBED MATERIAL

NOTE:
STRUCTURAL CONCRETE SIDEWALK IS TO BE USED FOR SIDEWALKS AROUND THE PROPOSED BUILDING. SEE SHEET C2.2 FOR LIMITS.



JOINT LEGEND:

A – 1/2" EXPANSION JOINTS (PREFORMED JOINT FILLER)

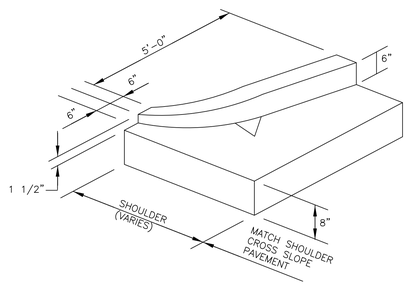
B – 3/16" TOOLED JOINTS, 1 1/2" DEEP (WITHIN 96 HOURS), 5' C/C – MAX

C – 3/16" TOOLED JOINTS, 1 1/2" DEEP (WITHIN 12 HOURS), 30' C/C – MAX

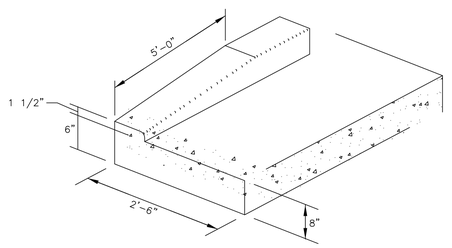
D – 1/2" EXPANSION JOINT WHEN RUN OF SIDEWALK EXCEEDS 120'

ALTERNATE #3: DRILLED PIER CONCRETE SIDEWALK
SEE STRUCTURAL SHEETS FOR DRILLED PIER CONCRETE SIDEWALK IF ALTERNATE #3 IS AWARDED.

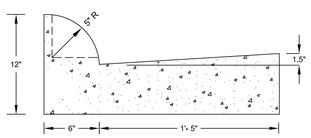
SIDEWALK DETAILS
NOT TO SCALE C7



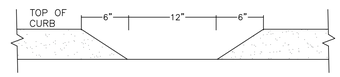
CURB END TRANSITION IN RADIUS SECTION



CURB END TRANSITION IN TANGENT SECTION



TYPE 3A COMBINATION CURB AND GUTTER



TYPICAL CURB CUT

CURB DETAILS
NOT TO SCALE C8

DETAILS

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Revisions: JULY 11, 2019 (ADDENDUM 1)
JULY 18, 2019 (ADDENDUM 2)
Project No: 14048
Date: JUNE 20, 2019
Drawn: KS, EG, TC
Checked: BM

RIDGELAND CITY HALL
RIDGELAND, MISSISSIPPI

Sheet Number : C0.4

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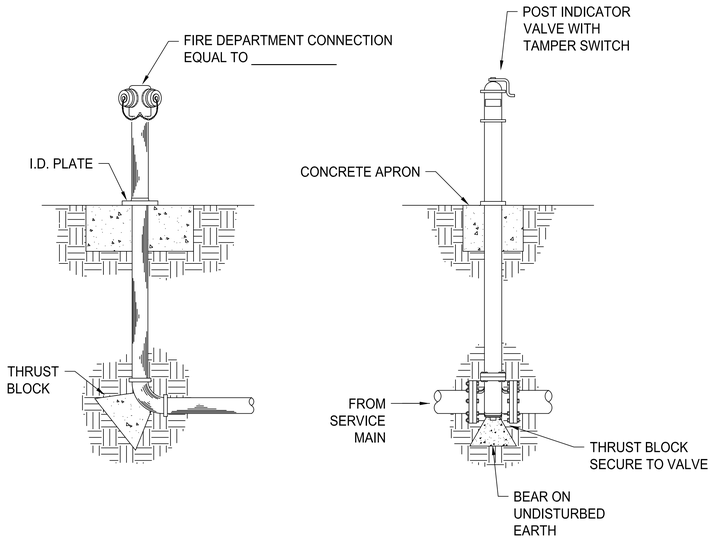
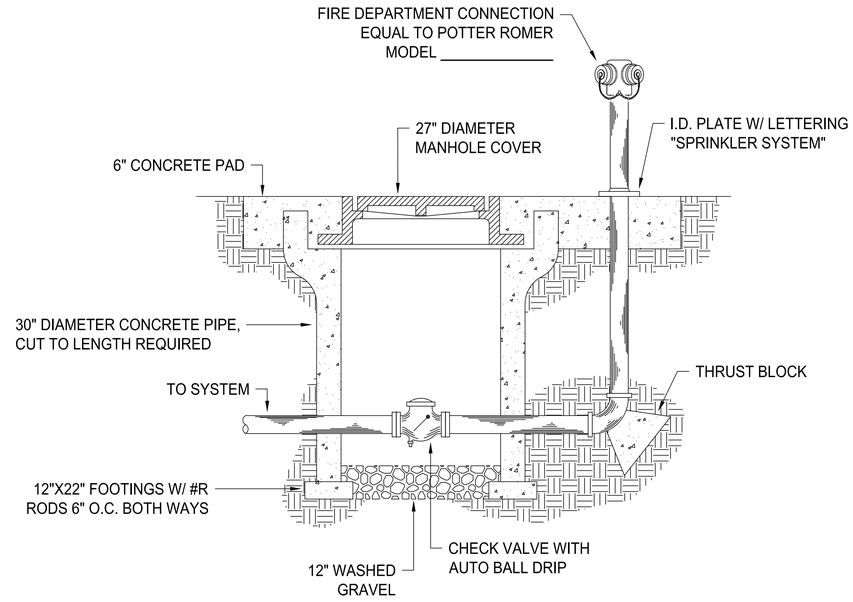


FIRE DEPARTMENT CONNCECTON AND POST INDICATOR VALVE DETAIL

NOT TO SCALE

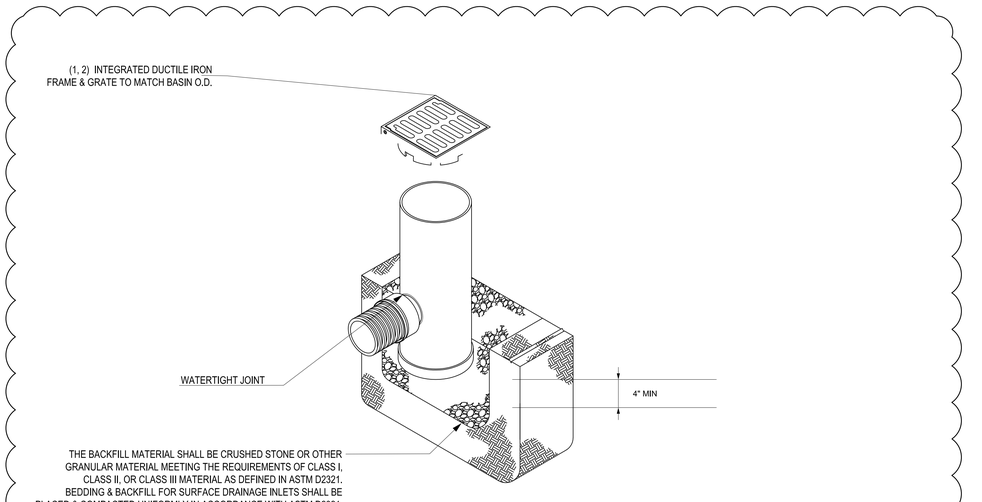
C21



FIRE DEPARTMENT CONNCECTON DETAIL

NOT TO SCALE

C22



1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05

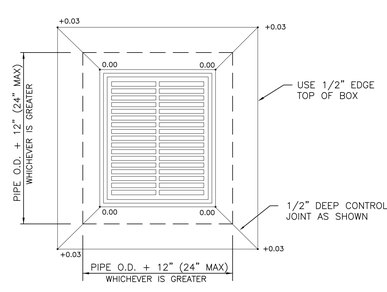
NOTE:
CONTRACTOR TO USE NYLOPLAST DROP INLETS OR APPROVED EQUAL.

NYLOPLAST DROP INLET DETAIL

NOT TO SCALE

C23

1

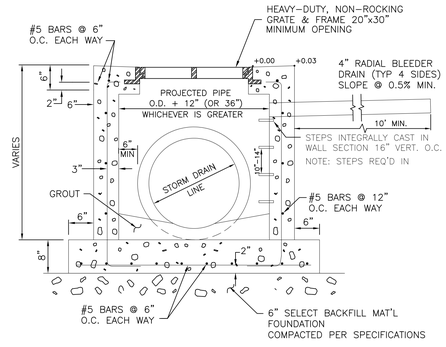


PLAN

NOTE: GROUT AND SEAL AROUND EXISTING UTILITY WHEN BOX IS USED FOR CONFLICT BOX. COORDINATE WITH WATER/SEWER CONTRACTOR.

NOTE: CONTRACTOR RESPONSIBLE FOR PROVIDING TEMP. DRAINAGE INTO INLETS UNTIL FINAL PAVEMENT COURSE IS INSTALLED

NOTE: STEPS REQ'D IN ALL DRAINAGE STRUCTURES OVER 4'-0" IN DEPTH.



SECTION

CATCH BASIN DETAIL

NOT TO SCALE

C24

2

DETAILS

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JULY 18, 2019 (ADDENDUM 2)

RIDGELAND CITY HALL
RIDGELAND, MISSISSIPPI

Sheet Number:
C0.8

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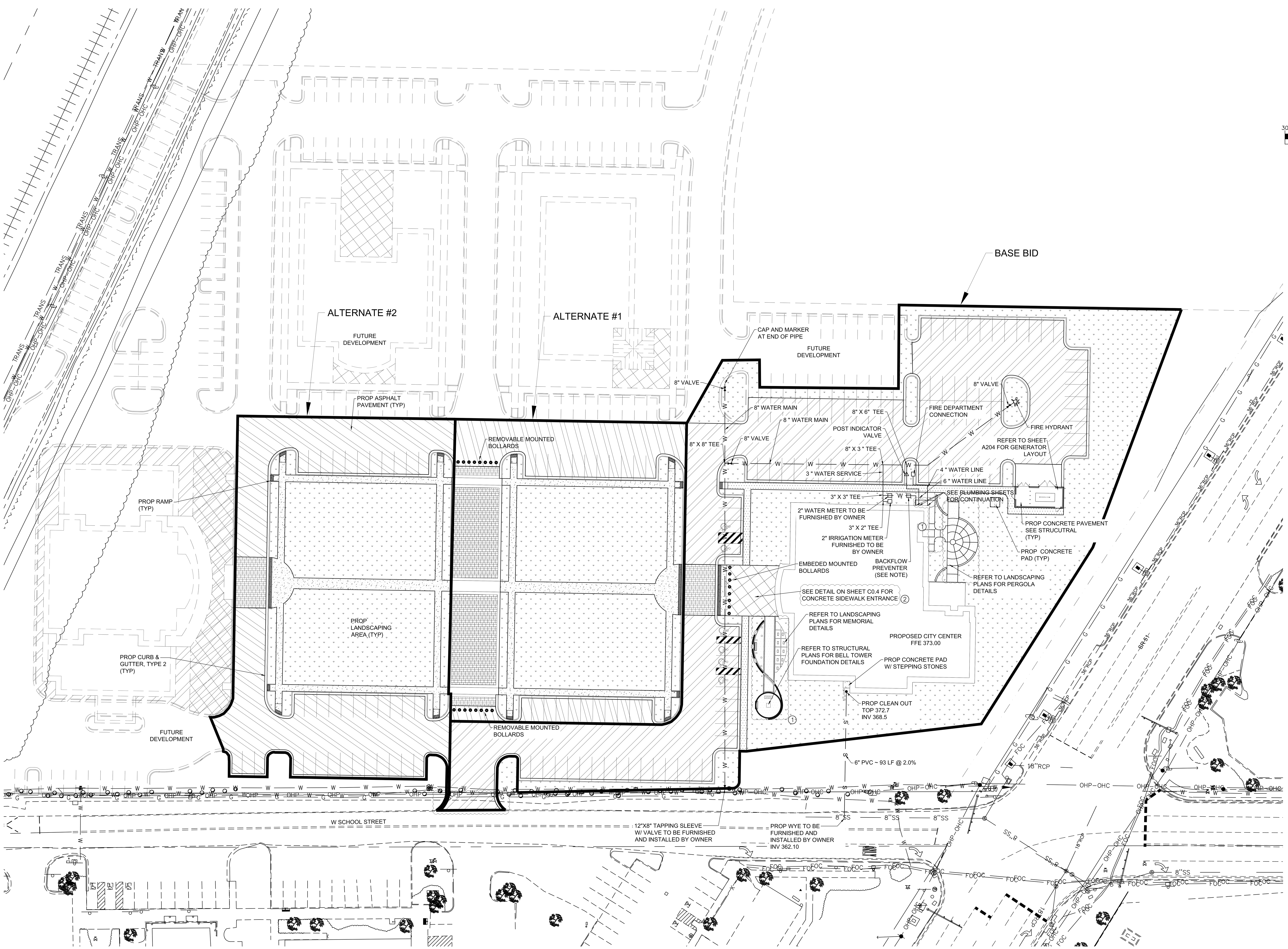
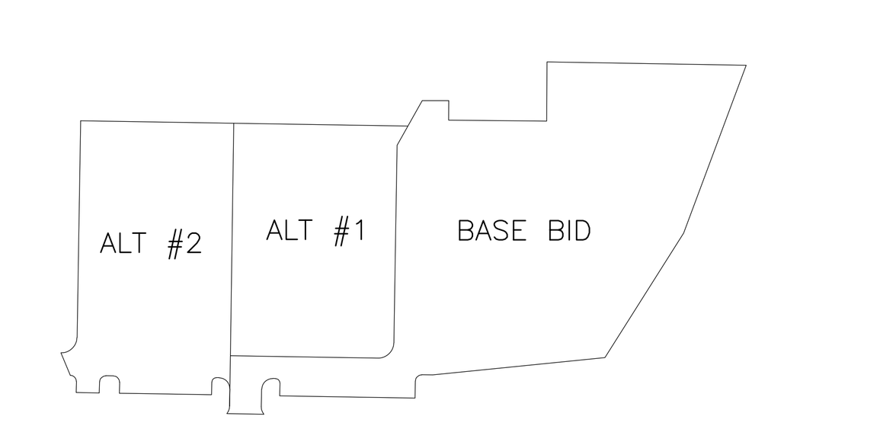


LEGEND

- CONCRETE SIDEWALK
- STRUCTURAL CONCRETE SIDEWALK
- LANDSCAPING
- DETECTABLE WARNING
- ASPHALT PAVEMENT – BASE BID
- ASPHALT PAVEMENT – ALTERNATE 1
- ASPHALT PAVEMENT – ALTERNATE 2
- STAMPED CONCRETE
- SCORED CONCRETE
- S — SANITARY SEWER
- W — WATER LINE

NOTES

1. CURB QUANTITIES ARE MEASURED ALONG BACK OF CURB.
2. TOPSOIL SHALL BE REMOVED AND STORED FOR PLACEMENT IN PROPOSED LANDSCAPING LOCATIONS. COSTS SHALL BE INCORPORATED INTO LANDSCAPING BID ITEMS.
3. REFER TO LANDSCAPING PLANS FOR PLANTING DETAILS.
4. REFER TO MECHANICAL DRAWINGS FOR GENERATOR ENCLOSURE DETAILS.
5. REFER TO SHEET C4.1 FOR TIE–INS TO BUILDING DRAINAGE.
6. REFER TO PLUMBING SHEETS FOR GAS LINE LOCATION AND DETAIL.
7. ASPHALT CONVERSION FACTOR: 1 CY = 2.025 TONS
8. SEE SHEET C0.4 FOR CONCRETE SIDEWALK UNDERCUTTING AND BACKFILLING MATERIAL DETAILS IF ALTERNATE #3 OR #4 IS AWARDED.
9. CONDUIT IS TO BE LAID WITH 6" MINIMAL SPACING TO ALLOW FOR INDIVIDUAL PULL BOXES FOR EACH PROVIDER.
10. BACKFLOW PREVENTER ASSEMBLY TO BE INSTALLED IN ACCORDANCE TO THE REQUIREMENTS OF THE CITY.
11. Site utilities to be continued by Mechanical prime.



INDEX MAP

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PROPOSED SITE PLAN

RIDGELAND CITY HALL
RIDGELAND, MISSISSIPPI

Project No: 14048
Date: JUNE 20, 2019
Drawn: KS, EG, TC
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2 JULY 18, 2019 (ADDENDUM 2)

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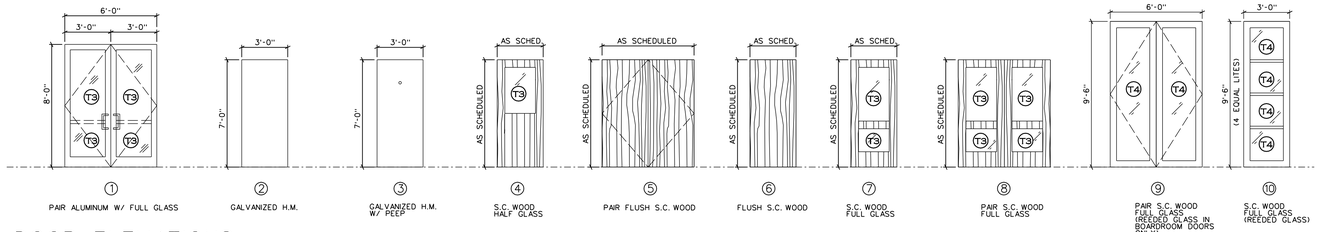
RIDGELAND CITY HALL
RIDGELAND, MS
PN 14048

DOOR & FRAME SCHEDULE

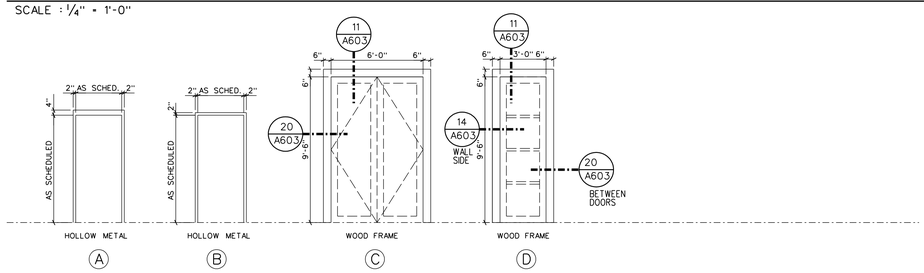
NO.	DOOR SIZE W	DOOR SIZE H	DOOR THK	MTL.	ELV.	GLASS	LOUVER	FRAME MTL.	FRAME ELV.	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	FIRE RATING LABEL	COMMENTS/REMARKS
FIRST FLOOR														
101A	PR3'-0"	9'-6"	1¾"	WD.	9	•FULL		WD.	C	11/A603	20/A603			REEDED GLASS
101B	3'-0"	9'-6"	1¾"	WD.	10	•FULL		WD.	D	11/A603	14,20/A603			REEDED GLASS
101C	3'-0"	9'-6"	1¾"	WD.	10	•FULL		WD.	D	11/A603	14,20/A603			REEDED GLASS
102A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			BULLET RESISTANT PANEL/DOOR LEVEL 7 PROTECTION 2
104A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	16/A604	17/A604 4			
104B	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B_2	3/A603	4/A603 4		20 MIN	
105A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B 1	16/A604	17/A604 4		20 MIN	BULLET RESISTANT PANEL/DOOR LEVEL 7 PROTECTION
105B	3'-0"	7'-0"	1¾"	H.M.	3			H.M.	A	9/A606	10/A606	11/A606	20 MIN	GALVANIZED DOOR AND FRAME PEEP HOLE 1
106A	3'-0"	7'-0"	1¾"	WD.	7	•FULL		H.M.	IA	1/A603	11/A604			FROSTED FILM ON GLASS (DOOR & SIDELITE)
107A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	IA	3/A603	11/A604		20 MIN	
108A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	3/A603	4/A603		60 MIN.	
109A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
110A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
111A	3'-0"	7'-0"	1¾"	WD.	4			H.M.	B	1/A603	2/A603			
111B	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			2 1
112A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	16/A604	17/A604 4		20 MIN.	BULLET RESISTANT PANEL/DOOR LEVEL 7 PROTECTION
112B	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
113A	3'-0"	7'-0"	1¾"	WD.	7	FULL		H.M.	ID	7/A603	7/A603			
113B	3'-0"	7'-0"	1¾"	WD.	7	FULL		HM.	IB	7/A603	12/A604			
114A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
115A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
117A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
118A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
119A	PR3'-0	7'-0"	1¾"	WD.	8	FULL		H.M.	IC	7/A603	11/A604 SIM			
119B	3'-0"	7'-0"	1¾"	WD.	7	FULL		H.M.	IA	1/A603	11/A604 SIM			
120A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
121A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
121B	3'-0"	7'-0"	1¾"	H.M.	3			H.M.	A	13/A6065IM.	10/A606	11/A606		GALVANIZED DOOR AND FRAME PEEP HOLE
122A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
122B	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
123A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
124A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
125A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
126A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
129A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
130A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
131A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
132A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
133A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
134A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
135A	PR3'-0"	7'-0"	1¾"	WD.	8	•FULL		H.M.	B	1/A603	11/A604 SIM			FROSTED FILM ON GLASS
136A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
137A	3'-0"	7'-0"	1¾"	WD.	7	FULL		H.M.	IB	7/A603	11/A604 SIM			
137B	3'-0"	7'-0"	1¾"	WD.	7	FULL		H.M.	IA	1/A603	11/A604			
138A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
140A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
141A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	3/A603	4/A603		20 MIN	
142A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
144A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
145A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	IE	1/A603	2/A603			
146A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
146B	2'-8"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
147A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
147B	2'-8"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
148A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
149A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
150A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	IA	1/A603	11/A604			
150B	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
150C	3'-0"	7'-0"	1¾"	H.M.	3			H.M.	A	13/A606	10/A606	11/A606		GALVANIZED DOOR AND FRAME PEEP HOLE
151A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	3/A603	4/A603		60 MIN	
152A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	3/A603	4/A603		20 MIN.	
153A	3'-0	7'-0"	1¾"	WD.	6			H.M.	B	3/A603	4/A603		20 MIN.	
153B	3'-0	7'-0"	1¾"	H.M.	2			H.M.	A	12/A606	10/A606	11/A606		GALVANIZED DOOR AND FRAME
154A	PR3'-0"	8'-0" 3	1¾"	ALUM	1			ALUM	T	5/A606	6/A606	7/A606		
154B	PR3'-0"	8'-0" 3	1¾"	ALUM	1			ALUM	IN	5,8/A604	1,6/A604	4/A606 (SIM., O.H.)		
156A	PR3'-0"	7'-0"	1¾"	ALUM	1			ALUM	H	2,8/A606	2/A605			
SECOND FLOOR														
201A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
202A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
203A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
204A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
205A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	3/A603	4/A603		20 MIN.	REQUIRES WEATHER STRIPPING, DROP SEAL AT BOTTOM, CLOSURE AND LATCH.
206A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
207A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
208A	PR3'-0	7'-0"	1¾"	WD.	5			H.M.	B	1/A603	2/A603			
210A	PR3'-0	7'-0"	1¾"	WD.	5			H.M.	B	1/A603	2/A603			
211A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
212A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
213A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
213B	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
214A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
215A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	3/A603	4/A603		60 MIN.	
217A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
218A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
219A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
220A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
221A	3'-0"	7'-0"	1¾"	WD.	6	•FULL		H.M.	IM	1/A603	2/A603			
223A	3'-0"	7'-0"	1¾"	WD.	7			H.M.	IL	1/A603	2/A603			
224A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
224B	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
226A	PR3'-0	9'-6"	1¾"	WD.	9	•FULL		H.M.	IK	18/A603	14,19/A603			REEDED GLASS IN SIDELITES; CLEAR GLASS DOOR
226B	3'-0"	7'-0"	1¾"	WD.	7	•FULL		H.M.	IA	1/A603	11/A604			FROSTED FILM ON GLASS (DOOR & SIDELITE)
226C	3'-0"	7'-0"	1¾"	WD.	7	•FULL		H.M.	IA	1/A603	11/A604			FROSTED FILM ON GLASS (DOOR & SIDELITE)
229A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
230A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
231A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
232A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
234A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
235A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
236A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
237A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
238A	PR3'-0	7'-0"	1¾"	WD.	8			H.M.	IC	7/A603	12/A604 SIM			
239A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
239B	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
240A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	IA	1/A603	11/A604			
240B	3'-0"	7'-0"	1¾"	WD.	6			H.M.	IA	1/A603	11/A604 SIM			
241A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
242A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
243A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
244A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
246A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
247A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	IB	7/A603	11/A604 SIM			
248A	3'-0"	7'-0"	1¾"	WD.	7	FULL		H.M.	IH	1/A603				REQUIRES WEATHER STRIPPING, DROP SEAL AT BOTTOM, CLOSURE AND LATCH.
249A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
250A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			REQUIRES WEATHER STRIPPING, DROP SEAL AT BOTTOM, CLOSURE AND LATCH.
250B	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			REQUIRES WEATHER STRIPPING, DROP SEAL AT BOTTOM, CLOSURE AND LATCH.
251A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
252A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			
253A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	3/A603	4/A603		60 MIN.	
255A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	3/A603	4/A603		20 MIN.	
256A	3'-0"	7'-0"	1¾"	WD.	6			H.M.	B	1/A603	2/A603			



① PAIR ALUMINUM W/ FULL GLASS ② GALVANIZED H.M. ③ GALVANIZED H.M. W/ PEEP ④ S.C. WOOD HALF GLASS ⑤ PAIR FLUSH S.C. WOOD ⑥ FLUSH S.C. WOOD ⑦ S.C. WOOD FULL GLASS ⑧ PAIR S.C. WOOD FULL GLASS ⑨ PAIR S.C. WOOD FULL GLASS (REEDED GLASS IN BOARDROOM DOORS ONLY) ⑩ S.C. WOOD FULL GLASS (REEDED GLASS)

DOOR ELEVATIONS

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



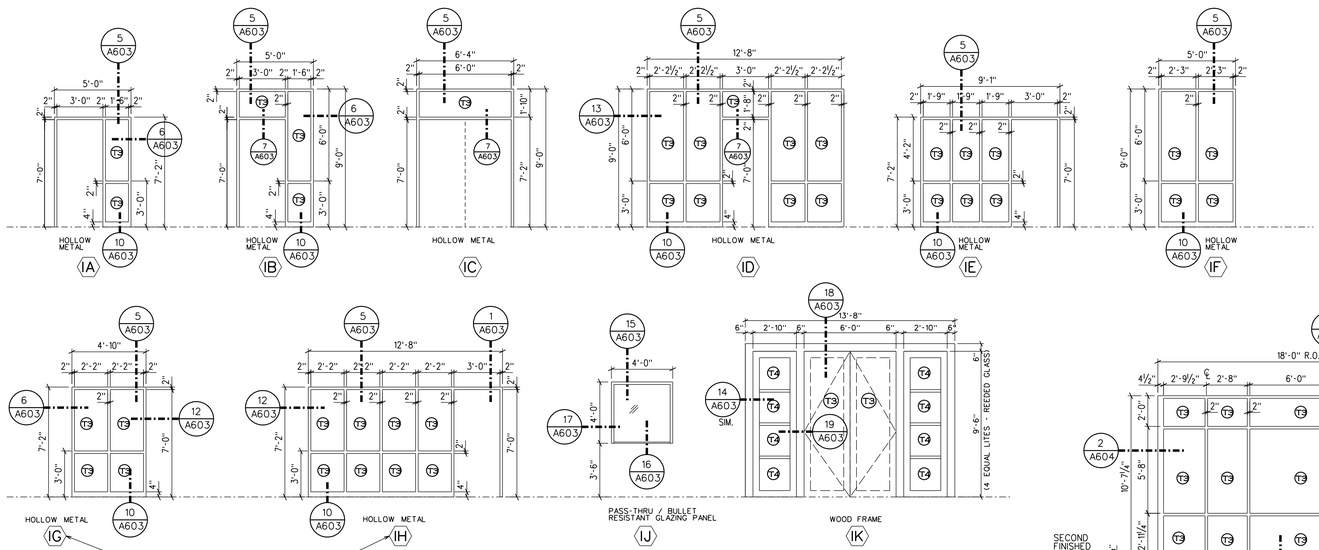
Ⓐ HOLLOW METAL Ⓑ HOLLOW METAL Ⓒ WOOD FRAME Ⓓ WOOD FRAME

GLASS TYPE LEGEND

	DESCRIPTION
T1	**GLASS TYPE 1 -** 1" INSULATED GLASS UNIT TEMPERED (EXTERIOR LOCATIONS)
T2	**GLASS TYPE 2 -** 1/4" TEMPERED (EXTERIOR DOOR LOCATIONS)
T3	**GLASS TYPE 3 -** 1/4" TEMPERED (INTERIOR LOCATIONS)
T4	**GLASS TYPE 4 -** 1/4" TEMPERED • REEDED (INTERIOR LOCATIONS)
	SEE SPECIFICATIONS FOR FULL DESCRIPTION OF GLASS/GLAZING TYPES, SECTION 088000.

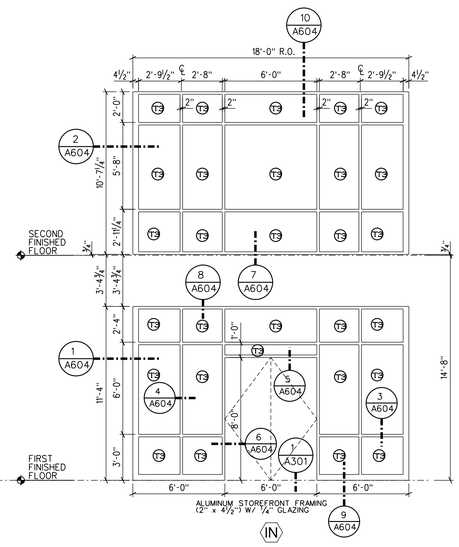
DOOR FRAME ELEVATIONS

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



⟨IA⟩ ⟨IB⟩ ⟨IC⟩ ⟨ID⟩ ⟨IE⟩ ⟨IF⟩ ⟨IG⟩ ⟨IH⟩ ⟨IJ⟩ ⟨IK⟩ ⟨IL⟩ ⟨IM⟩

NOTE FOR FRAMES 'IG' & 'IH': ENTIRE PREMIETER (TOP, SIDES AND BOTTOM) TO BE SEALED AIRTIGHT. EACH GLASS PANEL TO BE WEATHER STRIPPED / SEALED AIRTIGHT. MUST MEET REQUIREMENTS OF THE CLEAN AGENT FIRE SUPPRESSION SYSTEM SPECIFICATIONS.



⟨IN⟩

INTERIOR WINDOW FRAME ELEVATIONS

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

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JULY 11, 2019 (ADDENDUM 1)
JULY 18, 2019 (ADDENDUM 2)

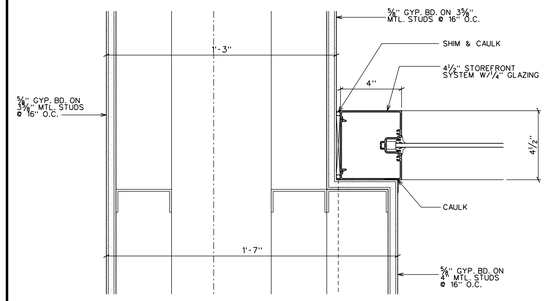
Project No: 14048 Revisions:
Date: JUNE 20, 2019
Drawn: RB, JD, MMH
Checked: AG

RIDGELAND CITY HALL

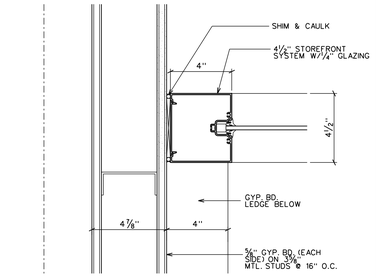
RIDGELAND, MISSISSIPPI

DOOR & FRAME / INTERIOR WINDOW SCHEDULES

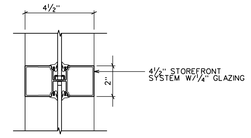
Sheet Number : A601



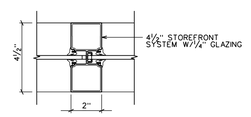
1 A604 JAMB DETAIL
SCALE : 3 " = 1'-0"



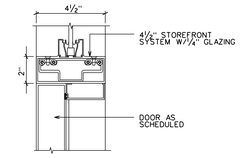
2 A604 JAMB DETAIL
SCALE : 3 " = 1'-0"



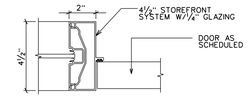
3 A604 HORZ. MULL DETAIL
SCALE : 3 " = 1'-0"



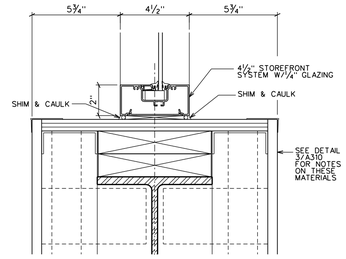
4 A604 VERT. MULL DETAIL
SCALE : 3 " = 1'-0"



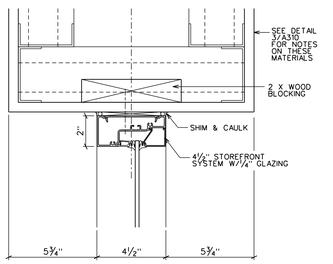
5 A604 HEAD DETAIL
SCALE : 3 " = 1'-0"



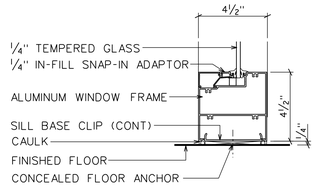
6 A604 JAMB DETAIL
SCALE : 3 " = 1'-0"



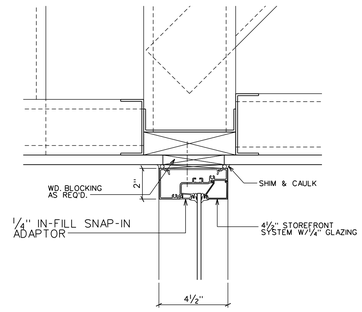
7 A604 SILL DETAIL
SCALE : 3 " = 1'-0"



8 A604 HEAD DETAIL
SCALE : 3 " = 1'-0"



9 A604 INT. SILL DETAIL
SCALE : 3 " = 1'-0"



10 A604 HEAD DETAIL
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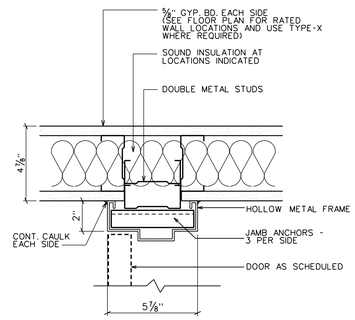

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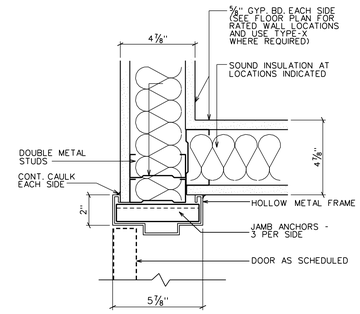
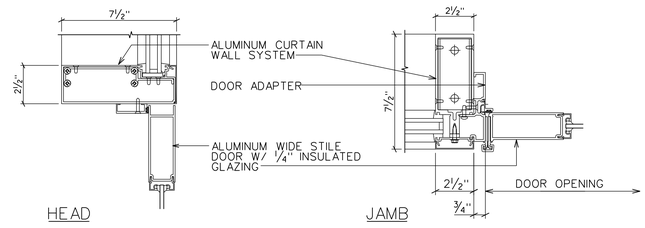
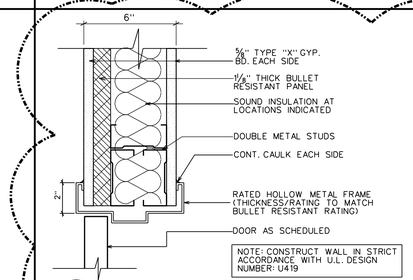
SCALE : 3 " = 1'-0"



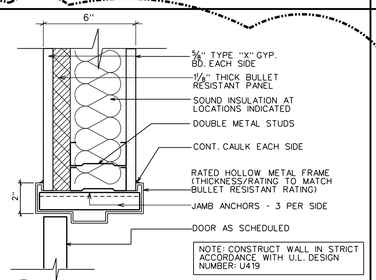
12 A604 JAMB DETAIL
SCALE : 3 " = 1'-0"



13 A604 ALUMINUM DOOR IN CURTAIN WALL FRAME
SCALE : 3" = 1'-0"

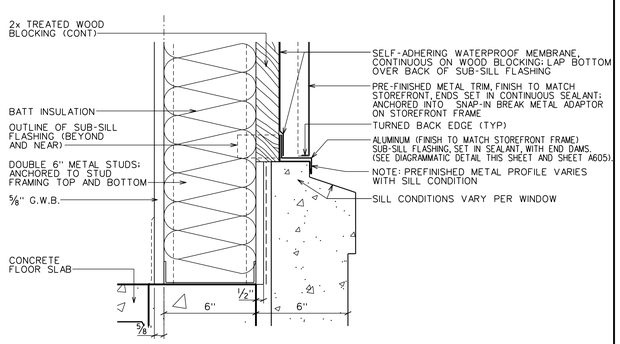


16 A604 HEAD DETAIL
SCALE : 3 " = 1'-0"

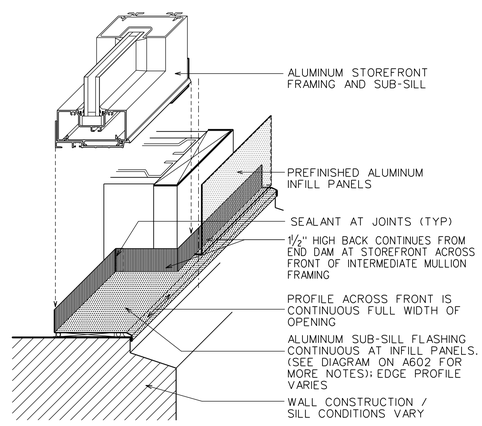


17 A604 JAMB DETAIL
SCALE : 3 " = 1'-0"

1



14 A604 SILL DETAIL
SCALE : 3" = 1'-0"



15 A601 DIAGRAMMATIC DETAIL AT INFILL PANEL
NO SCALE

3" = 1'-0" GRAPHIC SCALE
1½" = 1'-0" GRAPHIC SCALE
1" = 1'-0" GRAPHIC SCALE
¾" = 1'-0" GRAPHIC SCALE
½" = 1'-0" GRAPHIC SCALE
¼" = 1'-0" GRAPHIC SCALE
⅛" = 1'-0" GRAPHIC SCALE

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REGISTERED ARCHITECT J. Alan Grant STATE OF MISSISSIPPI

Project No: 14048 Revisions: 1 JULY 18, 2019 (ADDENDUM 2)
Date: JUNE 20, 2019
Drawn: RB, JD, MMH
Checked: AG

DOOR & WINDOW DETAILS

Sheet Number : A604

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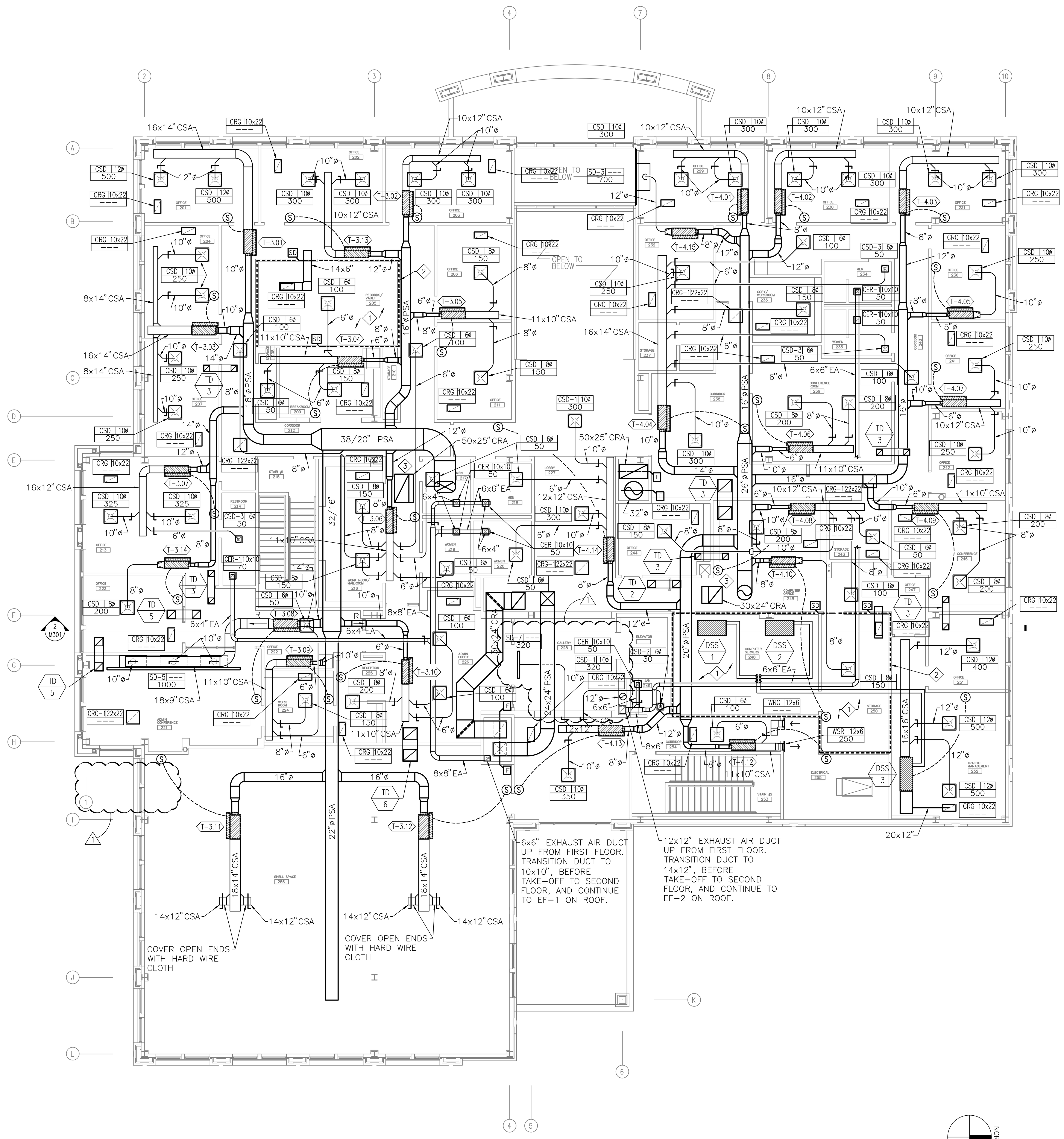

1 M102 SECOND FLOOR PLAN – HVAC

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

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

PLAN NOTES

1. DUCTWORK, PIPING, ETC. IN THIS AREA SHALL BE ROUTED ABOVE GYP. BOARD CEILING IN JOIST SPACE. COORDINATE EXACT ROUTING LOCATION OF DUCTWORK WITH STRUCTURAL.
2. SEAL ALL PENETRATIONS AIR TIGHT AS REQUIRED FOR CLEAN AGENT SYSTEM.
3. RETURN AIR DUCT DOWN FROM ROOF. STUB DUCT INTO SPACE ABOVE SECOND FLOOR CEILING. PROVIDE MITERED ELBOW AT END OF DUCTWORK IF POSSIBLE. CAP OPEN END OF RETURN AIR DUCT WITH 1/4" HARD WIRE CLOTH.

3" =1'-0" GRAPHIC SCALE

1½" =1'-0" GRAPHIC SCALE

1" =1'-0" GRAPHIC SCALE

¾" =1'-0" GRAPHIC SCALE

½" =1'-0" GRAPHIC SCALE

⅜" =1'-0" GRAPHIC SCALE

¼" =1'-0" GRAPHIC SCALE

⅛" =1'-0" GRAPHIC SCALE

1/16" =1'-0" GRAPHIC SCALE

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Date: JUNE 20, 2019
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Checked: CM

Revisions: 1 ADDENDUM #2 – JULY 18, 2019

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15–58

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350 Edgewood Terrace Drive
Jackson, MS 39206
Phone: (601) 362-3552
Fax: (601) 366-6418

Sheet Number :
M102

VIBRATION ISOLATION/SEISMIC RESTRAINTS

EQUIPMENT TYPE	BASIS OF DESIGN	SEISMIC DESIGN CATEGORY "SDC"	SEISMIC COMPONENT IMPORTANCE FACTOR	REMARKS
MECHANICAL EQUIPMENT	VIBRO ACOUSTICS	C	1.5	1, 2
AIR–HANDLING UNITS/DSS	VIBRO ACOUSTICS	C	1.5	1, 2
ROOFTOP UNITS	VIBRO ACOUSTICS	C	1.5	1, 2
VAV BOXES	VIBRO ACOUSTICS	C	1.5	1, 2
FANS	VIBRO ACOUSTICS	C	1.5	1, 2
DUCTWORK	VIBRO ACOUSTICS	C	1.5	1, 2
PIPING	VIBRO ACOUSTICS	C	1.5	1, 2

NOTES:
1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. SEISMICALLY RATED FOR PROJECT CONDITIONS.

KITCHEN HOOD SCHEDULE

TAG	BASIS OF DESIGN	TYPE	SERVES	SIZE LxWxH (INCHES)	SUPPLY AIR SOURCE	ELECTICAL VOLTS – PH	SUPPLY AIR (CFM)	EXHAUST AIR (MAX CFM)	EXHAUST P.D. (IN. WC)	REMARKS
KH 1	DENLAR D1030I–DF (NFPA 101)	EXHAUST ONLY	4–BURNER RANGE	30x20x11	FROM SPACE	208 – 1	–0–	510	---	STAINLESS STEEL FINISH, SELF–CONTAINED FIRE SUPPRESSION SYSTEM, CLOCK BOX, MANUAL PULL STATION KIT, ELECTRIC RANGE ELEMENT DISCONNECT, FACTORY LIGHT AND FAN SWITCHES (FANTECH INLINE FAN EF–4)

POWER VENTILATOR SCHEDULE

TAG	MANUFACTURER AND MODEL NO.	TYPE	CFM	ESP	MOTOR HP(AMPS)–V–PH	FAN SPEED RPM	SOUND POWER dBA	ON/OFF	INTERLOCK	APPROXIMATE OPERATING WEIGHT, LBS	REMARKS	TAG
EF 1	GREENHECK G–080–VG	DIRECT DRIVE DOWNBLAST	370	0.375	1/10 – 120/1	1679	57	EMCS	NONE	37	FACTORY MOUNTED DISCONNECT, EC MOTOR WITH DIAL, ROOF CURB W/DAMPER TRAY, DIRECT DRIVE, GRAVITY DAMPER	EF 1
EF 2	GREENHECK G–103–VG	DIRECT DRIVE DOWNBLAST	900	0.375	1/4 – 120/1	1345	56	EMCS	NONE	37	FACTORY MOUNTED DISCONNECT, EC MOTOR WITH DIAL, ROOF CURB W/DAMPER TRAY, DIRECT DRIVE, GRAVITY DAMPER	EF 2
EF 3	GREENHECK SQ–95–VG	INLINE	300	0.25	1/6 – 120/1	1077	45	HUMIDITY SENSOR	NONE	49	FACTORY MOUNTED DISCONNECT, EC MOTOR WITH DIAL, DIRECT DRIVE, GRAVITY DAMPER	EF 3
EF 4	DENLAR D1030–I–DF–NFPA101	INLINE	510	0.6	(1.87) – 120/1	2600	---	HOOD	KITCHEN HOOD	18		EF 4

ROOF EXHAUST/INTAKE CAP SCHEDULE

TAG	MANUFACTURER AND MODEL NO.	SERVES	FUNCTION	CAPACITY, CFM	PRESS. DROP, IN W.C.	THROAT VELOCITY, FPM	THROAT SIZE, INCHES	REMARKS
RC 1	GREENHECK GRSR 10 SPUN ALUMINUM GRAVITY	EF–4	EXHAUST AIR	510	0.09	895	10.25	PROVIDE ROOF CURB TO MATCH ROOF SLOPE, BACKDRAFT DAMPER, BIRDSCREEN

AIR DISTRIBUTION DEVICE SCHEDULE

TAG	MANUFACTURER & MODEL NO.	DESCRIPTION	FACE SIZE	MOUNT	REMARKS
CSD	PRICE SCD	SQUARE CONE SUPPLY DIFFUSER	24x24	LAY–IN	–
CSD–1	PRICE SCD	SQUARE CONE SUPPLY DIFFUSER	24x24	SURFACE	PROVIDE WITH O.B.V.D.
CSD–2	PRICE SCD	SQUARE CONE SUPPLY DIFFUSER	12x12	LAY–IN	–
CSD–3	PRICE SCD	SQUARE CONE SUPPLY DIFFUSER	12x12	SURFACE	PROVIDE WITH O.B.V.D.
CRG	PRICE 80	EGGCRATE RETURN GRILLE	12x24	LAY–IN	–
CRG–1	PRICE 80	EGGCRATE RETURN GRILLE	24x24	LAY–IN	–
CRG–2	PRICE 80	EGGCRATE RETURN GRILLE	24x24	SURFACE	–
CRG–3	PRICE 80	EGGCRATE RETURN GRILLE	12x24	SURFACE	–
CER	PRICE 80	EGGCRATE EXHAUST REGISTER	12x12	LAY–IN	–
CER–1	PRICE 80	EGGCRATE EXHAUST REGISTER	12x12	SURFACE	PROVIDE WITH O.B.V.D.
WSR	PRICE 500 SERIES	LOUVERED FACE SUPPLY	VARIES	WALL MOUNTED	–
WRG	PRICE 530 SERIES	LOUVERED FACE RETURN	VARIES	WALL MOUNTED	–

SLOT DIFFUSER SCHEDULE

TAG	MANUFACTURER AND MODEL NO	NO. OF SLOTS	SLOT WIDTH	TOTAL LENGTH	ACTIVE SECTIONS	ACTIVE SECTION LENGTH	ACTIVE SECTION CFM (EA.)	INLET, DIA.	NOISE CRITERIA (NC)	REMARKS	TAG
SD–1	PRICE ASP	1	2"	7'–0"	1	4'–0"	250	12" OVAL	15	SLOT DIFFUSER TO BE FACTORY PAINTED. ARCH TO SELECT COLOR. PROVIDE WITH 4'–0" LONG SUPPLY PLENUM. BLANK OFF UNUSED PORTION OF DIFFUSER. BORDER TYPE 1	SD–1
SD–2	PRICE ASP	1	2"	4'–0"	1	4'–0"	250	12" OVAL	15	SLOT DIFFUSER TO BE FACTORY PAINTED. ARCH TO SELECT COLOR. PROVIDE WITH 4'–0" LONG SUPPLY PLENUM. BLANK OFF UNUSED PORTION OF DIFFUSER. BORDER TYPE 1	SD–2
SD–3	PRICE ASP	2	2.5"	8'–0"	1	4'–0"	700	12"ø	25	SLOT DIFFUSER TO BE FACTORY PAINTED. ARCH TO SELECT COLOR. PROVIDE WITH 4'–0" LONG SUPPLY PLENUM. BLANK OFF UNUSED PORTION OF DIFFUSER. BORDER TYPE 1	SD–3
SD–4	PRICE ASP	1	2"	22'–0"	2	4'–0"	250	12" OVAL	15	SLOT DIFFUSER TO BE FACTORY PAINTED. ARCH TO SELECT COLOR. PROVIDE WITH 4'–0" LONG SUPPLY PLENUM. BLANK OFF UNUSED PORTION OF DIFFUSER. BORDER TYPE 1	SD–4
SD–5	PRICE ASP	1	2"	19'–8"	4	4'–0"	1@350, 2@325	12" OVAL	15	SLOT DIFFUSER TO BE FACTORY PAINTED. ARCH TO SELECT COLOR. PROVIDE WITH 4'–0" LONG SUPPLY PLENUM. BLANK OFF UNUSED PORTION OF DIFFUSER. BORDER TYPE 1	SD–5
SD–6	PRICE ASP	1	1"	VERIFY	2	4'–0"	1@60, 1@65	6"ø	15	SLOT DIFFUSER TO BE PAINTED. ARCH TO SELECT COLOR. PROVIDE WITH 4'–0" LONG SUPPLY PLENUM. BLANK OFF UNUSED PORTION OF DIFFUSER. SLOT DIFFUSER TO BE CURVED. CONTRACTOR SHALL VERIFY DEGREE OF CURVE AND EXACT LOCATION FOR SLOT WITH ARCH.	SD–6
SD–7	PRICE ASP	2	2"	4'–0"	1	4'–0"	320	8"ø	15	SLOT DIFFUSER TO BE FACTORY PAINTED. ARCH TO SELECT COLOR. PROVIDE WITH 4'–0" LONG SUPPLY PLENUM. BLANK OFF UNUSED PORTION OF DIFFUSER. BORDER TYPE 1	SD–7

1

TRANSFER DUCT SCHEDULE

TAG	TOTAL LENGTH	TOTAL WIDTH	TOTAL HEIGHT	DUCT OPENING LENGTH	DUCT OPENING WIDTH
TD–1	5'–0"	1'–10"	1'–0"	1'–8"	1'–6"
TD–2	5'–0"	1'–2"	1'–0"	1'–2"	1'–0"
TD–3	5'–0"	1'–0"	1'–0"	10"	10"
TD–4	5'–0"	1'–0"	1'–0"	10"	1'–0"
TD–5	5'–0"	1'–4"	1'–0"	1'–2"	1'–2"
TD–6	5'–0"	2'–2"	1'–0"	1'–8"	2'–0"
TD–7	6'–0"	2'–2"	1'–0"	1'–10"	2'–0"

MISCELLANEOUS HVAC POWER, CONTROL AND INTERLOCK WIRING CONNECTIONS

TAG	DESCRIPTION	POWER WIRING	CONTROL & INTERLOCK WIRING	ELECTRICAL V/ø	REMARKS
BAS	BUILDING AUTOMATION SYSTEM BUILDING CONTROLLER	DIV 23 BAS	DIV 23 EMCS	120/1	DIVISION 26 ELECTRICAL SHALL PROVIDE NETWORK IT LAN DROP NEAR BUILDING CONTROLLER
SD	SMOKE DAMPER	DIV 26 ELECTRICAL	DIV 23 EMCS	120/1	SMOKE DETECTOR SPECIFIED UNDER DIV 26 FIRE ALARM. VERIFY/COORDINATE DEDICATED POWER OR SYSTEM POWER REQUIREMENTS.
KHFS	KITCHEN HOOD FIRE SUPPRESSION SYSTEM	DIV 26 ELECTRICAL	DIV 21	120/1	INTERLOCK HOOD FIRE SUPPRESSION SYSTEM WITH ELECTRIC VALVE AND ANNUNCIATION.

Dean and Dean/Associates architects a professional association
DEAN • GEDDIE • GRANT • OUBRE
P.O. Box 4685 Jackson, MS 39296 4400 Old Canton Rd Suite 200 Highland Bluff Jackson, MS39211 (601) 939-7717

RIDGELAND CITY HALL
RIDGELAND, MISSISSIPPI

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Checked: CM

Engineering Resource Group Inc.
350 Edgewood Terrace Drive
Jackson, MS 39206
Phone: (601) 362-3552
Fax: (601) 366-6418

15–58

Sheet Number : M602

ELECTRICAL LEGEND

LIGHTING

SYMBOL	DESCRIPTION
	SINGLE FACED / DOUBLE FACED EXIT SIGN, CEILING MOUNT, ARROWS INDICATED DIRECTION.
	SINGLE FACED / DOUBLE FACED EXIT SIGN, WALL MOUNTED, ARROWS INDICATED DIRECTION.
A 1	RECESSED FLUORESCENT FIXTURE WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
B 2	FLUORESCENT STRIP WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
D 3	CEILING OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
E 4	FLUORESCENT FIXTURE WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
F 5	WALL BRACKET OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
G 6	FLUORESCENT WALL BRACKET OUTLET WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
P 7	POLE MOUNTED AREA LIGHT WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
8 E	EMERGENCY BATTERY LIGHT WITH FIXTURE SYMBOL AND CIRCUIT NUMBER.
D	SOLID CIRCLE ON ANY LIGHT FIXTURE SYMBOL INDICATES FIXTURE ON EMERGENCY LIGHTING CIRCUIT, SWITCHED OR UNSWITCHED AS SHOWN ON PLANS.
A 1	HATCH ON ANY LIGHT FIXTURE SYMBOL INDICATES FIXTURE ON EMERGENCY LIGHTING CIRCUIT, SWITCHED OR UNSWITCHED AS SHOWN ON PLANS.

SWITCHES

SYMBOL	DESCRIPTION
A2 S	SWITCH, SINGLE POLE PUSH TUMBLER, MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON RCP PLANS OR IN THE SPECIFICATIONS.
S	OCCUPANCY SENSOR EQUAL TO SENSORSWITCH #WSX PDT . MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
S3	SWITCH, THREE-WAY TUMBLER, MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
S4	SWITCH, FOUR-WAY FLUSH TUMBLER. MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.,
MSL	MOTORIZED PROJECTOR SCREEN RAISE/LOWER SWITCH. MOUNT CENTERLINE UP 42".
SVT	SWITCH, SINGLE POLE FLUSH TUMBLER. VAPORTIGHT. MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.,
SD	SWITCH, LINE VOLTAGE DIMMING TYPE, SUITABLE FOR LED LIGHTING, MOUNT CENTER LINE UP 42", UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
PC	PHOTO ELECTRIC CONTROLLER. MOUNT ON ROOF, OR AS NOTED ON PLAN, AIM NORTH.
C1	CONTACTOR, SIZE AND NUMBER OF POLES AS INDICATED.
30/15	SWITCH FUSED SAFETY, WITH FRAME SIZE AND FUSE SIZE. 250V OR 480V.
30A3P	SWITCH NON-FUSED SAFETY, NUMBER POLES, AMPS, 250V OR 480V.
	STARTER, SIZE AS NOTED
30A3P	COMBINATION NON-FUSED SAFETY SWITCH AND STARTER, NUMBER POLES, AMPS, 250V OR 480V.
30A3P	BUS PLUG, SIZE AS NOTED.
OS1	PASSIVE INFRARED (PIR) CEILING MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE EXTENDED RANGE. NLIGHT CAT. NO. NCM-10 OR EQUAL.
OS2	PASSIVE INFRARED (PIR) CEILING MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE STANDARD RANGE. NLIGHT CAT. NO. NCM-9 OR EQUAL.
OS3	DUAL TECHNOLOGY (PDT) CEILING MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE EXTENDED RANGE. NLIGHT CAT. NO. NCM-PDT-10 OR EQUAL.
OS4	DUAL TECHNOLOGY (PDT) CEILING MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE STANDARD RANGE WITH PHOTOCELL AND DIMMING, NLIGHT CAT. NO. NCM-PDT-9-ADCX OR EQUAL.
OS5	DUAL TECHNOLOGY (PDT) CEILING MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE STANDARD RANGE. NLIGHT CAT. NO. NCM-PDT-9 OR EQUAL.
WP	NLIGHT "GRAFIX" WALLPAD, WITH REQUIRED POWER SUPPLY PS150 INCLUDED, MOUNT CENTERLINE UP 42" A.F.F. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS. NLIGHT CAT. NO. NPOD-GFX OR EQUAL.
SOS	LINE VOLTAGE VACANCY SENSOR SWITCH, MOUNT CENTERLINE UP 42" A.F.F. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS. SENSOR SWITCH CAT. NO. WSX-VA-WH OR EQUAL.
SOS1	DUAL TECHNOLOGY (PDT) DECORATOR SENSOR LOW VOLTAGE WALL SWITCH, NLIGHT CAT. NO. NWSX-PDT-LV OR EQUAL. MOUNT CENTERLINE UP 42" A.F.F. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
SOS2	DUAL TECHNOLOGY (PDT) DECORATOR SENSOR LOW VOLTAGE WALL SWITCH WITH RAISE/LOWER DIM CONTROL, NLIGHT CAT. NO. NWSX-PDT-LV-DX OR EQUAL. MOUNT CENTERLINE UP 42" A.F.F. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
SL1	LOW VOLTAGE SINGLE CHANNEL WALL TOGGLE SWITCH, NLIGHT CAT. NO. NPODM OR EQUAL. MOUNT CENTERLINE UP 42" A.F.F. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
SL2	LOW VOLTAGE DUAL CHANNEL WALL TOGGLE SWITCH, NLIGHT CAT. NO. NPODM-2S OR EQUAL. MOUNT CENTERLINE UP 42" A.F.F. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
SL10	LOW VOLTAGE SINGLE CHANNEL WALL TOGGLE SWITCH WITH DIMMING, NLIGHT CAT. NO. NPODM-DX OR EQUAL. MOUNT CENTERLINE UP 42" A.F.F. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
SL20	LOW VOLTAGE DUAL CHANNEL WALL TOGGLE SWITCH WITH DIMMING, NLIGHT CAT. NO. NPODM-2P-DX OR EQUAL. MOUNT CENTERLINE UP 42" A.F.F. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
PP	POWER/RELAY PACK, 16 AMP 120/277 VOLT, MOUNT ABOVE ACCESSIBLE CEILING. NLIGHT NPP16 OR EQUAL.
PP D	POWER/RELAY PACK WITH 0-10 VOLT DIMMING, 16 AMP 120/277 VOLT, MOUNT ABOVE ACCESSIBLE CEILING. NLIGHT NPP16-D OR EQUAL. PROVIDE LOW VOLTAGE WIRING BETWEEN 277V. LIGHT FIXTURES AND WALL SWITCH FOR DIMMING.
RP	RECEPTACLE CONTROL POWER/RELAY PACK 20 AMP 120/277 VOLT, MOUNT ON OUTLET BOX PER MANUFACTURERS REQUIREMENTS AND PROVIDE CAT 5E WIRING FROM POWER/RELAY PACK TO OCCUPANCY/VACANCY SENSOR SERVING ROOM.
	CAT 5E WIRING BETWEEN OCCUPANCY SENSOR EQUIPMENT CONCEALED ABOVE CEILING. TEST ALL CABLES WITH LAN CABLE TESTER TO VERIFY PROPER TERMINATIONS PRIOR TO ROUGH-IN.
HDO	CONNECTION TO HANDICAP DOOR OPERATOR.
HPB	HANDICAP DOOR OPERATOR PUSH BUTTON. MOUNT CENTER LINE UP 42" OR AS NOTED.
PTX	PUSH TO EXIT BUTTON, MOUNT CENTER LINE UP 42" OR AS NOTED.
ACP	ACCESS CONTROL PANEL.
CA	CARD ACCESS STATION.
DO	CONNECTION TO I.R. DOOR OPERATOR.
PB	WALL MOUNTED PUSH-BUTTON, MOUNT CENTER LINE UP 42" OR AS NOTED.
A2 DL	ELECTRICALLY CONTROLLED DOOR LOCK, SURFACE ELECTRIC STRIKE TYPE FOR COMPATIBILITY WITH PANIC HARDWARE
DLP	ELECTRICALLY CONTROLLED DOOR LOCK, WITH ELECTRONIC PANIC HARDWARE.
P	PANIC/ALARM PUSH BUTTON SEE PRODUCT NOTES/THIS SHEET.
EPO	EMERGENCY POWER OFF BUTTON TO SHUNT-TRIP AIR UNITS AND CLOSE SMOKE DAMPERS

A2

PANIC BUTTON ALARM SYSTEM

A COMPLETE PANIC ALARM SYSTEM SHALL BE INSTALLED. COORDINATE EXACT LOCATION OF PANIC BUTTONS WITH OWNER AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN. ALL HEAD END EQUIPMENT SHALL BE INSTALLED IN COMPUTER/SERVERS 248. THE PANIC BUTTON SYSTEM COMPONENTS SHALL BE EQUAL TO THE FOLLOWING HONEYWELL PRODUCTS:

1. VISTA 20P CONTROLLER.
2. EXPANDER 8 ZONE PLUS SERIES.
3. 6150RF LCD KEYPAD.
4. 12V 4AH SLA BATTERY.
5. LTE-XVLTE CONTROLLER RADIO.
6. 5802WXT 1-BUTTON MULTIPURPOSE PANIC BUTTONS.

ELECTRICAL LEGEND

POWER DISTRIBUTION

SYMBOL	DESCRIPTION
LA-1,3,5	HOME RUN, (CONDUIT AND WIRING) PANEL AND CIRCUIT DESIGNATION, NUMBER OF CONDUCTORS. GROUNDING CONDUCTOR ARE NOT INDICATED BY MARKS, BUT ARE REQUIRED AND SIZED PER BRANCH CIRCUIT UNLESS OTHERWISE NOTED.
	BRANCH CIRCUIT, (CONDUIT AND WIRING) PANEL AND CIRCUIT DESIGNATION, NUMBER OF CONDUCTORS. GROUNDING CONDUCTORS ARE NOT INDICATED BY MARKS, BUT ARE REQUIRED AND SIZED PER BRANCH CIRCUIT UNLESS OTHERWISE NOTED.
	RACEWAY INSTALLED CONCEALED ABOVE CEILING OR IN WALL.
	RACEWAY INSTALLED EXPOSED (ON CEILING ONLY).
	RACEWAY INSTALLED CONCEALED IN SLAB OR BELOW GRADE.
—UE—	UNDERGROUND ELECTRICAL CIRCUIT.
—UGP—	UNDERGROUND ELECTRICAL PRIMARY CIRCUIT.
—UGS—	UNDERGROUND ELECTRICAL SECONDARY CIRCUIT.
—FOC—	UNDERGROUND FIBER OPTIC CABLE.
	BRANCH CIRCUIT (CONDUIT AND WIRING) IN FLEXIBLE METAL CONDUIT, NUMBER OF CONDUCTORS. (6'-0" MAXIMUM LENGTH).
	GROUND PER NEC ARTICLE 250.
	CONDUIT UP / CONDUIT DOWN.
	DISTRIBUTION / POWER PANEL, SURFACE MOUNTED.
	ELECTRICAL PANEL, 250 VOLT SYSTEM, SURFACE / FLUSH MOUNT.
	ELECTRICAL PANEL, 480 VOLT SYSTEM, SURFACE / FLUSH MOUNT.
EMS	ENERGY MANAGEMENT SYSTEM CONTROL PANEL. FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. ELECTRICAL CONNECTIONS BY ELECTRICAL CONTRACTOR.
ATS	AUTOMATIC TRANSFER SWITCH.
FIP	FAULT INDICATOR PANEL, SEE SPECIFICATIONS.
	NEW POLE.
	EXISTING POLE TO REMAIN.
	METER SOCKET. – SEE RISER / ONE LINE.
PB	ELECTRICAL PULL BOX.
	CONNECTION TO MOTOR.
VFD	VARIABLE FREQUENCY DRIVE.
T	TRANSFORMER, DRY TYPE, KVA.
PMT	TRANSFORMER, PAD MOUNTED, KVA.

RECEPTACLES

SYMBOL	DESCRIPTION
	DUPLEX GROUNDABLE RECEPTACLE, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 18" A.F.F. / 4" CENTER LINE ABOVE COUNTER BACKSPLASH OR 42" A.F.F. UNLESS NOTED OTHERWISE.
	DOUBLE DUPLEX GROUNDABLE RECEPTACLES, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 18" A.F.F. / 4" CENTER LINE ABOVE COUNTER BACKSPLASH OR 42" A.F.F. UNLESS NOTED OTHERWISE.
	DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 18" A.F.F. / 4" CENTER LINE ABOVE COUNTER BACKSPLASH OR 42" A.F.F. UNLESS NOTED OTHERWISE.
	DUPLEX GROUNDABLE, SAFETY TYPE, 120 VOLTS, NEMA 5-20R, WITH CIRCUIT NUMBER. MOUNT UP 18" CENTER LINE A.F.F. / 4" ABOVE COUNTER BACKSPLASH OR 42" A.F.F. UNLESS NOTED OTHERWISE.
TV	THIS NOTATION ADJACENT TO ANY RECEPTACLE SYMBOL INDICATES RECEPTACLE TO BE MOUNTED ADJACENT TO CABLE TV OUTLET.
	SPECIAL RECEPTACLE, 250 VOLT, NEMA CONFIGURATION AS PER NAME PLATE DATA ON EQUIPMENT TO BE CONNECTED OR AS INDICATED ON PLANS. MOUNT CENTER LINE 18" A.F.F. UNLESS NOTED OTHERWISE.
WP	THIS NOTATION ADJACENT TO ANY RECEPTACLE SYMBOL INDICATES DUPLEX GROUNDABLE, 120 VOLT. NEMA 5-20R, GROUND FAULT INTERRUPTER TYPE RECEPTACLE IN A DAMP LOCATION, SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHEN THE RECEPTACLE IS COVERED. (PLUG NOT INSERTED AND RECEPTACLE COVERS CLOSED). (COMPLIES WITH SECTION 410-57(a) OF 1999 N.E.C.)
A2 M	THIS NOTATION ADJACENT TO ANY RECEPTACLE SYMBOL INDICATES RECEPTACLE TO BE MOUNTED ADJACENT TO MONITOR OR TELEVISION OUTLET.
E	THIS NOTATION ADJACENT TO ANY RECEPTACLE SYMBOL INDICATES RECEPTACLE TO BE CONNECTED TO EMERGENCY POWER AND SHALL BE RED IN COLOR.

KEYNOTES

SYMBOL	DESCRIPTION
1	SHEET KEYNOTE.
2	POWER RISER KEYNOTE.
3	REVISION KEYNOTE.
4	MECHANICAL EQUIPMENT KEYNOTE, SEE MECHANICAL EQUIPMENT POWER CONNECTION SCHEDULE.
5	FEEDER KEYNOTE.

A2

TELEPHONE/DATA CABLING LEGEND

▼ ###-T1 ###-D1	TELEPHONE/DATA OUTLET. FIRST THREE NUMBERS INDICATE ROOM NUMBER AND LAST NUMBER INDICATES TELEPHONE OR DATA DROP NUMBER FOR THAT OUTLET. USE THIS NUMBERING SCHEME FOR LABELING DATA/TELEPHONE OUTLETS AT ROOM AND AT PATCH PANEL. USE CATEGORY 6 CABLING.
▼ ###-D1 ###-D2	DOUBLE DATA OUTLET. FIRST THREE NUMBERS INDICATE ROOM NUMBER AND LAST NUMBER INDICATES TELEPHONE OR DATA DROP NUMBER FOR THAT OUTLET. USE THIS NUMBERING SCHEME FOR LABELING DATA/TELEPHONE OUTLETS AT ROOM AND AT PATCH PANEL. USE CATEGORY 6 CABLING.
▼ ###CD1	SINGLE DATA CONNECTION TO CAMERA. FIRST THREE NUMBERS INDICATE ROOM NUMBER AND LAST NUMBER INDICATES DATA DROP NUMBER FOR THAT CAMERA. USE THIS NUMBERING SCHEME FOR LABELING DATA AT PATCH PANEL. USE CATEGORY 6 CABLING.
WAP WAP-D1 WAP-D2	DOUBLE DATA CONNECTION TO WIRELESS ACCESS POINT, LAST NUMBER INDICATES DATA DROP NUMBER FOR THAT WIRELESS ACCESS POINT. USE THIS NUMBERING SCHEME FOR LABELING WIRELESS ACCESS POINTS AT PATCH PANEL. USE CATEGORY 6 CABLING.

CONDUCTOR SIZING CHART

MAX. DISTANCE IN FEET	120 VOLT	277 VOLT
75'	#12	#12
120'	#10	#12
130'	#8	#12
150'	#8	#10
200'	#6	#10
250'	#6	#8

THIS TABLE REFLECTS VOLTAGE DROP FOR 15 AND 20 AMP CIRCUITS

ELECTRICAL LEGEND

FLOOR BOXES

SYMBOL	DESCRIPTION
▼	FLOOR BOX, SINGLE GANG, FOR COMBINATION TELEPHONE AND DATA, FLUSH TYPE.
▽	FLOOR BOX, SINGLE GANG, FOR TELEPHONE, FLUSH TYPE.
▼	FLOOR BOX, SINGLE GANG, FOR DATA, FLUSH TYPE.
	FLOOR BOX, DOUBLE GANG, FOR COMBINATION TELEPHONE, DATA AND DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	FLOOR BOX, DOUBLE GANG, FOR DATA AND DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	FLOOR BOX, DOUBLE GANG, FOR TELEPHONE AND DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	FLOOR BOX, SINGLE GANG, FOR DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	FLOOR BOX, DOUBLE GANG, DOUBLE DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.
	FLOOR BOX, THREE GANG, COMBINATION TELEPHONE, DATA, AND DOUBLE DUPLEX GROUNDABLE RECEPTACLE, 120V, NEMA 5-20R, FLUSH TYPE.

FIRE ALARM

SYMBOL	DESCRIPTION
FAC	FIRE ALARM SYSTEM CONTROL CABINET, MOUNT CENTER LINE 4'-6". ROUTE ALL FIRE ALARM HOMERUNS TO THIS POINT.
RA	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR, MOUNT CENTER LINE UP 4'-6".
F	FIRE ALARM SYSTEM MANUAL STATION, MOUNT CENTER LINE UP 42".
S	FIRE ALARM SYSTEM SMOKE DETECTOR, CEILING MOUNTED
H	RATE OF RISE / THERMAL DETECTOR WITH 135°C ELEMENT.
D	DUCT SMOKE DETECTOR, PHOTO ELECTRIC TYPE WITH SAMPLING TUBES, INSTALL IN DUCT AS DIRECTED BY MECHANICAL CONTRACTOR.
E	SMOKE DETECTOR WITH ELEVATOR RECALL – PHOTO ELECTRIC TYPE WITH 2P20A AUXILIARY CONTACTS FOR ELEVATOR RECALL, CEILING MOUNTED, RUN ½"C, 2-#12, #12 -G- FROM DETECTOR TO ELEVATOR CONTROL PANEL.
T	FIRE ALARM CONNECTION TO TAMPER SWITCH.
W	FIRE ALARM CONNECTION TO FLOW SWITCH.
F	FIRE ALARM SYSTEM AUDIBLE AND VISUAL ALARM DEVICE, MOUNT CENTER LINE UP 84" ABOVE FINISHED FLOOR OR 6" BELOW CEILING WHICHEVER IS LOWER, STROBE 110 CD UNLESS NOTED.
F	FIRE ALARM SYSTEM VISUAL ALARM DEVICE, MOUNT CENTER LINE UP 84" ABOVE FINISHED FLOOR OR 6" BELOW CEILING WHICHEVER IS LOWER, STROBE 110 CD UNLESS NOTED.
A2 B	FIRE ALARM SYSTEM AUDIBLE ALARM DEVICE, MOUNT CENTER LINE UP 96" ABOVE GRADE. SUITABLE FOR WET LOCATION.
SD	FIRE ALARM SMOKE DAMPER WITH 120V/1PH. CONNECTION
CAP	CLEAN AGENT FIRE PROTECTION SYSTEM CONTROL PANEL.

COMMUNICATIONS

SYMBOL	DESCRIPTION
	TELEPHONE BACKBOARD, SIZE AS NOTED, ¾" PLYWOOD, LONG DIMENSION VERTICAL. TERMINATE ALL TELEPHONE HOMERUNS AT THIS POINT AND RUN.
▽	ANALOG TELEPHONE OUTLET AND PLATE, ¾" CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. MOUNT OUTLET CENTER LINE UP 18" A.F.F. UNLESS NOTED OTHERWISE.
▽	ANALOG TELEPHONE OUTLET AND PLATE, ¾" OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. MOUNT OUTLET ABOVE COUNTER BACKSPLASH, UNLESS NOTED OTHERWISE.
▼/▼	DOUBLE DATA OUTLET AND PLATE, ¾" OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. MOUNT OUTLET CENTER LINE UP 18" A.F.F. / 4" ABOVE COUNTER BACKSPLASH, UNLESS NOTED OTHERWISE.
▼/▼	COMBINATION TELEPHONE/DATA OUTLET AND PLATE, ¾" OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. MOUNT OUTLET CENTER LINE UP 18" A.F.F. / 4" ABOVE COUNTER BACKSPLASH, UNLESS NOTED OTHERWISE.
TV	CATV OUTLET AND PLATE, ¾" OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. MOUNT OUTLET 18" BELOW CEILING, UNLESS NOTED OTHERWISE ON THE PLAN OR IN THE SPECIFICATIONS.
J	SURFACE JUNCTION BOX, SIZE AND MOUNTING HEIGHT AS NOTED.
J	RECESSED JUNCTION BOX, SIZE AND MOUNTING HEIGHT AS NOTED.
	CCTV CAMERA CONNECTION
M	MONITOR OUTLET AND PLATE, ¾" OR SIZE AS NOTED CONDUIT STUBBED UP ABOVE ACCESSIBLE CEILING. MOUNT OUTLET 18" BELOW CEILING, UNLESS NOTED OTHERWISE ON THE PLAN OR IN THE SPECIFICATIONS.
1	CEILING MOUNTED SPEAKER WITH SPEAKER CIRCUIT DESIGNATION
WAP	WIRELESS ACCESS POINT MOUNTED TO CEILING. (BRACE CEILING AS REQUIRED TO SUPPORT WAP)
SCMS	SECURITY CAMERA MONITORING STATION
PA	PUBLIC ANNOUNCEMENT SYSTEM
	MICROPHONE TO PUBLIC ANNOUNCEMENT SYSTEM WITH PUSH TO TALK FUNCTION.

ELECTRICAL SHEET INDEX

Dean and Dean/Associates
architects
a professional association
DEAN • GEDDIE • GRANT • OUBRE
P.O. Box 4685 Jackson, MS 39296 4400 Old Canton Rd. Suite 200 Highland Bluff Jackson, MS39211 (601) 939-7717
www.deandean.com

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RIDGELAND CITY HALL
RIDGELAND, MISSISSIPPI

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Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court, Suite C, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ#15036.00

RIDGELAND CITY HALL
RIDGELAND, MS
PN 14048

EQUIPMENT POWER CONNECTION SCHEDULE

MARK	EQUIPMENT	V/ø	F.L.A.	K.W.	H.P.	CKT. NO.	CKT. BKR.	BRANCH CIRCUIT	DISC./FUSE	REMARKS
1	T–1.01	277/1	5.4	1.5	–	H1A–1	15A/1P	2–#12, 1–#12(G), 3/4"C	30/7	1,5
2	T–1.02	480/1	11.5	5.5	–	H1A–3,5	20A/2P	2–#10, 1–#10(G), 3/4"C	30/15	1,5
3	T–1.03	277/1	5.4	1.5	.	H1A–7	15A/1P	2–#12, 1–#12(G), 3/4"C	30/9	1,5
4	T–1.04	277/1	7.2	2.0	–	H1A–9	15A/1P	2–#12, 1–#12(G), 3/4"C	30/9	1,5
5	T–1.05	277/1	7.2	2.0	–	H1A–11	15A/1P	2–#10, 1–#10(G), 3/4"C	30/9	1,5
6	T–1.06	277/1	12.6	3.5	–	H1A–13	20A/1P	2–#10, 1–#10(G), 3/4"C	30/15	1,5
7	T–1.07	277/1	12.6	3.5	–	H1A–15	20A/1P	2–#12, 1–#12(G), 3/4"C	–	1,5
8	T–1.08	277/1	12.6	3.5	–	H1A–17	20A/1P	2–#10, 1–#10(G), 3/4"C	30/15	1,5
9	T–1.09	277/1	7.2	2.0	–	H1A–2	15A/1P	2–#12, 1–#12(G), 3/4"C	30/9	1,5
10	T–1.10	277/1	14.4	4.0	–	H1A–4	20A/1P	2–#10, 1–#10(G), 3/4"C	30/NF	1,5
11	T–1.11	277/1	14.4	4.0	–	H1A–6	20A/1P	2–#10, 1–#10(G), 3/4"C	30/NF	1,5
12	T–1.12	277/1	14.4	4.0	–	H1A–8	20A/1P	2–#12, 1–#12(G), 3/4"C	30/NF	1,5
13	T–1.13	277/1	5.4	1.5	–	H1A–10	15A/1P	2–#12, 1–#12(G), 3/4"C	30A/7	1,5
14	T–1.14	480/1	18.75	9.0	–	H1A–14,16	25A/2P	2–#10, 1–#10(G), 3/4"C	30/NF	1,5
15	T–1.15	277/1	3.6	1.0	–	H1A–12	15A/1P	2–12, 1–#12(G), 3/4"C	30/5	1,5
16	T–2.01	480/1	27	13.0	–	H1E–1,3	35A/2P	2–#8, 1–#10(G), 3.4"C	60/NF	1,5
17	T–2.02	277/1	12.6	3.5	–	H1E–5	20A/1P	2–#10, 1–#10(G), 3/4"C	30/15	1,5
18	T–2.03	277/1	14.4	4.0		H1E–7	20A/1P	2–#10, 1–#10(G), 3/4"C	30/NF	1,5
19	T–2.04	277/1	14.4	4.0	–	H1E–9	20A/1P	2–#10. 1–#10(G), 3/4"C	30/NF	1,5
20	T–2.05	277/1	14.4	4.0	–	H1E–11	20A/1P	2–#10, 1–#10(G), 3/4"C	30/NF	1,5
21	T–2.06	277/1	14.4	4.0	–	H1E–13	20A/1P	2–#10, 1–#10(G), 3/4"C	30/NF	1,5
22	T–2.07	277/1	12.6	3.5	–	H1E–15	20A/1P	2–#10, 1–#10(G), 3/4"C	30/15	1,5
23	T–2.08	277/1	16.2	4.5	–	H1E–17	25A/1P	2–#10, 1–#10(G), 3/4"C	30/20	1,5
24	T–2.09	277/1	14.4	4.0	–	H1E–2	20A/1P	2–#12, 1–#12(G), 3/4"C	30/NF	1,5
25	T–2.10	277/1	7.2	2.0		H1E–4	15A/1P	2–#12, 1–#12(G), 3/4"C	30/9	1,5
26	T–2.11	277/1	12.6	3.5	–	H1E–6	20A/1P	2–#12, 1–312(G), 3/4"C	30/15	1,5
27	T–2.12	277/1	14.4	4.0	–	H1E–8	20A/1P	2–#12, 1–#12(G), 3/4"C	30/NF	1,5
28	T–2.13	277/1	7.2	2.0	–	H1E–10	15A/1P	2–#12, 1–#12(G), 3/4"C	30/9	1,5
29	T–2.14	277/1	9	2.5	–	H1E–12	15A/1P	2–#12, 1–#12(G), 3/4"C	30/12	1,5
30	T–2.15	277/1	5.4	1.5	–	H1E–14	15A/1P	2–#12, 1–#12(G), 3/4"C	30/7	1,5
31	T–2.16	480/1	13.5	6.5	–	H1E–16,18	20A/2P	2–#12, 1–#12(G), 3/4"C	30/15	1,5
32	T–2.17	277/1	16.2	4.5	–	H1E–20	25A/1P	2–#10, 1–#10(G), 3/4"C	30/20	1,5
33	T–3.01	480/1	13.5	6.5	–	H2A–1,3	20A/2P	2–#10, 1–#10(G), 3/4"C	30/15	1,5
34	T–3.02	277/1	14.4	4.0	–	H2A.5	25A/2P	2–#10, 1–#10(G), 3/4"C	30/NF	1,5
35	T–3.03	480/1	13.5	6.5	–	H2A–9,11	20A/2P	2–#10, 1–#10(G), 3/4"C	30/15	1,5
36	T–3.04	277/1	7.2	2.0	–	H2A–13	15A/1P	2–#10, 1–#10(G), 3/4"C	30/9	1,5

EQUIPMENT POWER CONNECTION SCHEDULE

MARK	EQUIPMENT	V/ø	F.L.A.	K.W.	H.P.	CKT. NO.	CKT. BKR.	BRANCH CIRCUIT	DISC./FUSE	REMARKS
37	T–3.05	277/1	7.2	2.0	–	H2A–15	15A/1P	2–#10, 1–#10(G), 3/4"C	30/9	1,5
38	T–3.06	277/1	14.4	4.0	–	H2A–17	20A/1P	2–#12, 1–#12(G), 3/4"C	30/NF	1,5
39	T–3.07	480/1	13.5	6.5	–	–	20A/2P	2–#12, 1–#12(G), 3/4"C	30/15	1,5
40	T–3.08	480/1	13.5	6.5	–	H2A–21,23	20A/2P	2–#12, 1–#12(G), 3/4"C	30/NF	1,5
41	T–3.09	277/1	5.4	1.5	–	H2A–2	15A/1P	2–#10, 1–#10(G), 3/4"C	30/7	1,5
42	T–3.10	277/1	5.4	1.5	–	H2A–4	15A/1P	2–#12, 1–#12(G), 3/4"C	30/7	1,5
43	T–3.11	480/1	22.9	11.0	–	H2A–6,8	30A/2P	2–#10, 1–#10(G), 3/4"C	30/NF	1,5
44	T–3.12	480/1	25	12.0	–	H2A–10,12	35A/2P	2–#8, 1–#10(G), 3/4"C	60/30	1,5
45	T–4.01	277/1	14.4	4.0	–	H2E–1	20A/1P	2–#10, 1–#10(G), 3/4"C	30/NF	1,5
46	T–4.02	277/1	14.4	4.0	–	H2B–3	20A/1P	2–#10, 1–#10(G), 3/4"C	30/NF	1,5
47	T–4.03	277/1	14.1	4.0	–	H2B–5	20A/1P	2–#10, 1–#10(G), 3/4"C	30/NF	1,5
48	T–4.04	480/1	13.5	6.5	–	H2B–7,9	20A/2P	2–#12, 1–#12(G), 3/4"C	30/15	1,5
49	T–4.05	277/1	5.4	1.5	–	H2B–11	15A/1P	2–#10, 1–#10(G), 3/4"C	30/7	1,5
50	T–4.06	277/1	5.4	1.5	–	H2B–13	15A/1P	2–#12, 1–#12(G), 3/4"C	30/7	1,5
51	T–4.07	277/1	12.6	3.5	–	H2B–15	20A/1P	2–#12, 1–#12(G), 3/4"C	30/15	1,5
52	T–4.08	277/1	12.6	3.5	–	H2B–17	20A/1P	2–#12, 1–#12(G), 3/4"C	30/15	1,5
53	T–4.09	277/1	12.6	3.5	–	H2B–2	20A/1P	2–#12, 1–#12(G), 3/4"C	30/15	1,5
54	T–4.10	277/1	5.4	1.5	–	H2B–4	15A/1P	2–#12, 1–#12(G), 3/4"C	30/7	1,5
55	NOT USED	–	–	–	–	–	–	–	–	–
56	T–4.12	277/1	5.4	1.5	–	H2B–10	15A/1P	2–#12, 1–#12(G), 3/4"C	30/7	1,5
57	T–4.13	277/1	16.2	4.5	–	H2B–16	25A/1P	2–#10, 1–#10(G) 3/4"C'	30/20	1,5
~~58~~	~~T–4.14~~	~~277/1~~	~~16.2~~	~~4.5~~	~~–~~	~~H2B–12~~	~~25A/1P~~	~~2–#10, 1–#10(G), 3/4"C~~	~~30/20~~	~~1,5~~
59	RTU–1	480/3	36	–	–	MDP–1,3,5	50A/3P	3–#8, 1–#10(G), 3/4"C	60/NF	1,2,4,6
60	RTU–2	480/3	67.2	–	–	EDP–1,3,5	100A/3P	3–#3, 1–#8(G), 1–1/4"C	100/NF	1,2,4,6
61	RTU–3	480/3	67.2	–	–	MDP–2,4,6	100A/3P	3–#3, 1–#8(G), 1–1/4"C	100/NF	1,2,4,6
62	RTU–4	480/3	36	–	–	MDP–19,21,23	50A/3P	3–#8, 1–#10(G), 3/4"C	60/NF	1,2,4,6
63	DSS–1 OUTDOOR	208/1	18	–	–	L2E–2,4	25A/2P	2–#10, 1–#10(G), 3/4"C	30/NF	1,2,4,6,9
64	RE–CIRC PUMP RP–1	120/1	2.9	–	1/8	L1E–33	15A/1P	2–#12, 1–#12(G), 3/4"C	30/5	1,7
65	RE–CIRC PUMP RP–2	120/1	13.8	–	3/4	L1E–33	15A/1P	2–#12, 1–#12(G), 3/4"C	30/5	1,7
~~66~~	~~T–1.16~~	~~277/1~~	~~5.4~~	~~1.5~~	~~–~~	~~–~~	~~15A/1P~~	~~2–#12, 1–#12(G), 3/4"C~~	~~30/7~~	~~1,5~~
67	T–3.13	277/1	14.4	4.0	–	H2A–14	20A/1P	2–#12, 1–#12(G), 3/4"C	30/NF	1,5
68	T–3.14	277/1	5.4	1.5	–	H2A–16	15A/1P	2–#12, 1–#12(G), 3/4"C	30/7	1,5
69	T–4.15	277/1	16.2	4.5	–	H2E–6,8	25A/2P	2–#10, 1–#10(G), 3/4"C	30/20	1,5
70	DSS–2 OUTDOOR	208/1	18	–	–	L2E–4,6	25A/2P	2–#10, 1–#10(G), 3/4"C	30/NF	1,2,4,6,9
71	DSS–3 OUTDOOR	208/1	26	–	–	L2E–8,10	45A/2P	2–#8, 1–#10(G), 3/4"C	60/30	1,2,4,6
~~72~~	~~DSS–3 INDOOR~~	~~208/1~~	~~4.5~~	~~–~~	~~–~~	~~–~~	~~15A/2P~~	~~2–#12, 1–#12(G), 3/4"C~~	~~30/9~~	~~1,5~~
~~73~~	~~ELEVATOR~~	~~480/3~~	~~–~~	~~–~~	~~30~~	~~EDP–20,22,24~~	~~80A/3P~~	~~3–#4, 1–#8(G), 1"C~~	~~100/NF~~	~~1,7,10~~
74	DSS–1/DSS–2	208/1	–	–	–		–	CABLING BY MECH. CONTRACTOR.	–	9

EQUIPMENT POWER CONNECTION REMARKS:

1.	FINAL CONNECTION USING FLEXIBLE CONDUIT	6.	UNIT ON ROOF.
2.	FINAL CONNECTION USING LIQUID TIGHT CONDUIT.	7.	WALL MOUNTED.
3.	INSTALL MAGNETIC STARTER AND DISCONNECT SWITCH ADJACENT TO AND CONNECT THROUGH MAGNETIC STARTER FURNISHED UNDER DIV. 15	8.	DISCONNECT INTEGRAL WITH UNIT.
4.	RAINTIGHT DISCONNECT SWITCH.	9.	INDOOR UNITS SHALL BE SERVED FROM OUTDOOR UNITS
5.	MOUNT ABOVE CEILING.	10.	SEE ELEVATOR NOTES BELOW.

TYPICAL ELEVATOR NOTES:

1. MAIN CONNECTION TO TERMINALS OF ELEVATOR CONTROLLER SHALL BE THROUGH A BRANCH CIRCUIT PROTECTIVE DEVICE (BCPD) IN THE FORM OF A FUSED DISCONNECT SWITCH OR A 3 POLE CIRCUIT BREAKER, IN NEMA 1 ENCLOSURE, LOCK–OUT TYPE, NOT AUTOMATICALLY OPENED BY FIRE ALARM SYSTEM. THE BCPD SHALL BE VISIBLE FROM THE CONTROLLER (IF THE BUILDING IS SPRINKLED, SEE NOTE 7). NON–FLEXIBLE CONDUIT SHALL BE PROVIDED AND SHALL NOT BE USED AS THE GROUNDING SYSTEM. BREAKER SERVING ELEVATOR CONTROLLER SHALL BE GFI TYPE.
2. PROVIDE A SEPARATE BRANCH CIRCUIT FOR CAR LIGHTS, RECEPTACLE(S), AUXILIARY LIGHTING POWER SOURCE AND VENTILATION ON EACH ELEVATOR CAR. IN ADDITION PROVIDE A DEDICATED BRANCH CIRCUIT FOR CAR AIR CONDITION AND HEATING UNITS ON EACH CAR. THE OVERCURRENT DEVICE PROTECTING EACH OF THE AFOREMENTIONED BRANCH CIRCUITS SHALL BE LOCATED IN THE ELEVATOR EQUIPMENT ROOM SERVING THE ELEVATOR. COORDINATE EQUIPMENT INSTALLATIONS WITH THE ELEVATOR CONTRACTOR.
3. PROVIDE GFI RECEPTACLE IN ELEVATOR EQUIPMENT ROOM.
4. PROVIDE TELEPHONE OUTLET IN ELEVATOR EQUIPMENT ROOM.
5. SMOKE DETECTORS SHALL BE IN ALL ELEVATOR LOBBIES AND MACHINE ROOM (SMOKE DETECTORS SHALL NOT BE SELF–RESETTING). PROVIDE A THERMAL DETECTOR IN MACHINE ROOM CONNECTED PER NOTE #7. PROVIDE A HEAT AND SMOKE DETECTOR IN ELEVATOR PIT(S)
6. ELEVATOR PIT SHALL HAVE GUARDED PIT LIGHT WITH SWITCH ADJACENT TO PIT LADDER, AND 120 VOLT NON–GFI RECEPTACLE. THESE DEVICES SHALL BE LOCATED ACCORDING TO THE ELEVATOR CONTRACTOR.
7. IF THE BUILDING IS SPRINKLED, FOR A BCPD USE A 4 POLE FUSED DISCONNECT SWITCH IN NEMA 1 ENCLOSURE. THE 4TH POLE TELLS THE ELEVATOR CONTROLLER THAT THERE HAS NOT BEEN A POWER FAILURE, JUST THAT POWER HAS BEEN DISCONNECTED. THE BCPD SHALL BE FURNISHED WITH TWO CONTACTORS, ONE (1) NORMALLY OPEN AND ONE (1) NORMALLY CLOSED. THE BCPD SHALL BE VISIBLE FROM THE CONTROLLER. PROVIDE THERMAL DETECTOR IN THE ELEVATOR EQUIPMENT ROOM WITH CONTROL WIRING TO AUTOMATICALLY DISCONNECT POWER SUPPLY PRIOR TO APPLICATION OF WATER IN THE HOISTWAY OR THE ELEVATOR EQUIPMENT ROOM. THIS DEVICE SHALL NOT BE SELF–RESETTING.
8. FOR ELEVATORS TO OPERATE ON EMERGENCY POWER, PROVIDE 3–#14 WIRES FROM AUTOMATIC TRANSFER SWITCH AUXILIARY DRY CONTACTS TO THE TERMINALS OF ELEVATOR CONTROLLER THROUGH THE BCPD.
9. PROVIDE SHUNT TRIP DEVICE ON EACH ELEVATOR DISCONNECT.

LIGHT FIXTURE SCHEDULE

SYMBOL	VOLTS	WATTS/LAMPS	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	MOUNTING
A	277	53W/ LED	2X4 LED ARCHITECTURAL TROFFER, 6000 LUMENS, 4000K LED'S, 0–10V DIMMING	LITHONIA	2BLT4–60L–ADP–EZ1–LP840	LAY IN
B	277	34W/ LED	2X4 LED ARCHITECTURAL TROFFER, 4000 LUMENS, 4000K LED'S, 0–10V DIMMING	LITHONIA	2BLT4–40L–ADP–EZ1–LP840	LAY IN
C	277	54W/ LED	4' LED, 6000 LUMEN, WRAPAROUND	LITHONIA	STL4–60L–EZ1–LP840	SURFACE
D	277	LED	4' STRIP LIGHT WITH DIFFUSE LENS, 5000 LUMENS/ 4000K LEDS	LITHONIA	ZL1N L48 5000LM 40K FST	CEILING/ SUSPENDED
E	277	LED	6" LED DOWNLIGHT, 600 LUMENS/ 4000K LEDS	LITHONIA	LDN6 40/06 LO6AR	RECESSED
E2	277	8.5W/ LED	4" LED DOWNLIGHT, 500 LUMENS/ 4000K LEDS	LITHONIA	LDN4 40/05 LO4AR	RECESSED
F	277	LED	6" LED DOWNLIGHT, 1000 LUMENS/ 4000K LEDS	LITHONIA	LDN6 40/10 LO6AR	RECESSED
G	277	LED	6" LED DOWNLIGHT, 1500 LUMENS/ 4000K LEDS	LITHONIA	LDN6 40/15 LO6AR	RECESSED
H	277	LED	6" LED DOWNLIGHT, 2000 LUMENS/ 4000K LEDS	LITHONIA	LDN6 40/20 LO6AR	RECESSED
J1	277	150W/ 16K LUMEN LED	SURFACE MOUNT LINEAR SLOT MOUNTED REGRESSED IN ARCHITECTURAL CEILING (SEE ARCH. ELEVATIONS AT LOBBY)	MARK	S4LS–LLP–15FT–MSL8–80CRI–40K–1000LMF–MIN1–MVOLT–WHT–ZT	SEE ARCHITECTURAL SECTION OF LOBBY
J2	277	62W/ 7200 LUMEN LED	SURFACE MOUNT LINEAR SLOT MOUNTED REGRESSED IN ARCHITECTURAL CEILING (SEE ARCH. ELEVATIONS AT LOBBY)	MARK	S4LS–LLP–15FT–MSL8–80CRI–40K–400LMF–MIN1–MVOLT–WHT–ZT	SEE ARCHITECTURAL SECTION OF LOBBY
K	277	30W/ LED	2X2 LED ARCHITECTURAL TROFFER, 3300 LUMENS, 4000K LED'S, 0–10V DIMMING	LITHONIA	2BLT2–33L–ADP–EZ1–LP840	LAY IN
L	277	LED	DECORATIVE SUSPENSION LAMP WITH DIFFUSED, DIRECT AND INDIRECT LIGHT. CONTRACTOR SHALL PROVIDE AN ALLOWANCE OF $5000.00 FOR FIXTURE.	–	–	SUSPENDED
M	277	19W/ LED	DECORATIVE LED WALL BRACKET, 4' LENGTH, 1800 LUMENS, 4000K LED'S, WHITE FINISH.	PEERLESS	"ORIGAMI" OR3W1–LO–4FT–R4–277–1SE–SCT–EZB–LP840–C210	ARCHITECTURAL ELEVATION
N	277	40W/ LED	STAIR FIXTURE, 4' LENGTH, WALL MOUNT, 4000 LUMEN/ 4000K LED'S, INTEGRAL PIR SENSOR, 50% DIMMING WHEN SPACE IS UNOCCUPIED.	LITHONIA	WL4–40L–LP840–N100EMG–NES7–DIM50	CENTERLINE 8'0" A.F.F. OR LANDING
O	277	12W/ LED	DECORATIVE LED SCONCE, ADA DEPTH, FINISH SELECTED BY ARCHITECT.	BOYD	"MIAMI" 10530–277–*	ARCHITECTURAL ELEVATION
P	277	7W/ LED	DECORATIVE LED SCONCE, ADA DEPTH, FINISH SELECTED BY ARCHITECT.	BOYD	"MIAMICITA" 10531–277–*	ARCHITECTURAL ELEVATION
Q	277	19W/ LED	6" SQUARE LED DOWNLIGHT, APERTURE/TRIM COLOR SELECTED BY ARCHITECT, 4000K LED'S, 1500 LUMENS	GOTHAM	EVO SQ–40/15–6*–LSS–MVOLT	RECESSED
R	277	63W/ LED	SUSPENDED LED QUAD PENDANT, FINISH SELECTED BY ARCHITECT, 4000K LED'S, 6900 LUMENS, 60% UPLIGHT, 40% DOWNLIGHT, 0–10V DIMMING.	PEERLESS	"VELLUM" VMMQP–HI–277–SCT–EZB–LP840–FIC–24–*–	SUSPENDED
S	277	24W/ LED	4" WIDTH WALL WASHER, 4' LENGTH, DIMMING TO 1%, 4000K LED'S, 2400 LUMENS, FLANGE TYPE FOR SHEETROCK CEILING.	MARK	SL4L–LOP–4FT–RLP–FL–80CRI–40K–600LMF–WW–MIN1–ZT–277	RECESSED
T	277	32W/ LED	4" WIDTH LINEAR LED TROFFER, 4' LENGTH, DIMMING TO 1%, 4000K LED'S, 3200 LUMENS, LAT CEILING.	MARK	SL4L–LOP–4FT–RLP–TG–80CRI–40K–800LMF–MIN1–ZT–277	RECESSED
U	277	54W/ LED	SUSPENDED LED PENDANT, 4' LENGTH, FINISH SELECTED BY ARCHITECT, 4000K LED'S, 5400 LUMENS, 60% UPLIGHT, 40% DOWNLIGHT, 0–10V DIMMING.	PEERLESS	"VELLUM" VMM9–HI–4FT–R4–277–SCT–EZB–LP840–F2–24–*	SUSPENDED
V	120	4–40W HALOGEN	DECORATIVE PENDANT FIXTURE WITH (4) SUSPENDED G9 HALOGEN LAMPS IN CLEAR GLASS GLOBES.	AUGE	ZLT399982	SUSPENDED
W	120	15W/ LED	ELEVATOR PIT LIGHT WITH GLOBE AND GUARD, 600 LUMENS, 4000K LED'S.	LITHONIA	OLVTWM	ELEVATOR PIT
Y	277	85W/ LED	LED PENDANT, CENTER SUSPENSION POINT, 4000K LED'S, 6300 LUMENS	G LIGHTING	GL–2651–6LED40	SUSPENDED
Z1	277	LED	4' ADJUSTABLE COVE LIGHT	ECOSENSE	SCD–M–48–40–MULT	SURFACE IN COVE
Z2	120	11.6W/ LED	4' LINEAR VANITY SCONE	OXYGEN	37–559–24 (COLOR BY ARCHITECT)	WALL BETWEEN MIRROR. SEE ARCH. ELEVATIONS
SL1A	277	163W/ 19K LUMEN LED	SINGLE HEAD LED AREA LIGHT, 4000K LEDS	LITHONIA	DSX1–LED–P6–40K–T4M–MVOLT–SPA–BLK	25' POLE/36"T BASE POLE LITHONIA #SSS–25–4C–DM19AS–DBLXD
SL1B	277	326W/ 19K LUMEN LED	DUAL HEAD LED AREA LIGHT, 4000K LEDS	LITHONIA	DSX1–LED–P6–40K–T4M–MVOLT–SPA–BLK	25' POLE/36"T BASE POLE LITHONIA #SSS–25–4C–DM28AS–DBLXD
SL2	277	45W/ LED	UP/DOWN WALL PACK CYLINDER	REBELLE	7100LR–1X12L/1X23L–40K–277–SP–SP	WALL
SL3	277	32W/ LED	UP/DOWN WALL PACK CYLINDER	REBELLE	7100LR–2X16L–40K–277–SP–SP	WALL
SL4	480	97.9W LED	DECORATIVE LED ACORN WITH TYPE 5 DISTRIBUTION AND INTEGRAL TRANSFORMER AND WEATHERPROOF RECEPTACLE	STERNBURG	PT–G74LED–5P–4L40T5–MDL06–G/5214FP5–.188–GFI IB/BK	POLE
SL5	120	14W BR30	R30 LED LANDSCAPE BULLET LIGHT	MOON VISIONS	BR30–120V–USR30–TM–BZT LEDMV–120V–R30–14W–3500° FL–OSL	KNUCKLE
FL	120	LED	LED FLAG POLE LIGHT	HYDREL	8100LED–P3–NFL	KNUCKLE
X1	277	LED	SINGLE FACE LED EXIT WITH KNOCKOUT DIRECTIONAL CHEVRONS TO BE REMOVED AS SHOWN ON PLANS.	LITHONIA	LQM S W 3 R 120/277	UNIVERSAL
X2	277	LED	DOUBLE FACE LED EXIT WITH KNOCKOUT DIRECTIONAL CHEVRONS TO BE REMOVED AS SHOWN ON PLANS	LITHONIA	LQM S W 3 R 120/277	UNIVERSAL

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DEAN • GEDDIE • GRANT • OUBRE
P.O. Box 4685 Jackson, MS 39296 4400 Old Canton Rd, Suite 200 Highland Bluff Jackson, MS 39211 (601) 939-7717
www.deandean.com

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A2 ADDENDUM #2 JULY 18, 2019

RIDGELAND CITY HALL
RIDGELAND, MISSISSIPPI

Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court, Suite G, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.#15036.00

PANEL NAME: MDP | SIZE: 800A | KAIC RATING: 30 KAIC
VOLTAGE: 277/480V, 3ø, 4W | MAIN BKR.: 800A (100% RATED) | CONNECTED: 808 AMPS
MOUNTING: SURFACE | LOCATION: SEE PLANS | DEMAND: 667 AMPS

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	RTU-1	50A/3P	9.9 / 18.6			100A/3P	RTU-3	2
3	I	I		9.9 / 18.6		I	I	4
5	I	I			9.9 / 18.6	I	I	6
7	ATS - EDP	400A/3P	94.7 / 17.5			100A/3P	PANEL H1A	8
9	I	I		97.46 / 18.25		I	I	10
11	I	I			85.48 / 14.75	I	I	12
13	PANEL H1B	70A/3P	6.83 / 41.05			125A/3P	PANEL H2A	14
15	I	I		7.28 / 35.98		I	I	16
17	I	I			8.48 / 41.0	I	I	18
19	RTU-4	50A/3P	9.9 / 12.64			60A/3P	PANEL L1A	20
21	I	I		9.9 / 12.26		I	30 KVA XFRMER	22
23					47.9 / 13.4	I	I	24
25	PANEL H2B	100A/3P	15.5 / ---				SPACE	26
27	I	I		18.25 / ---			SPACE	28
29	I	I			15.25 / ---		SPACE	30
31	SPACE		--- / ---				SPACE	32
33	SPACE			--- / ---			SPACE	34
35	SPACE				--- / ---		SPACE	36
37	SPACE		--- / ---			100A/3P	SPD	38
39	SPACE			--- / ---		I	I	40
41	SPACE				--- / ---	I	I	42
TOTAL KVA. PER ø			211.12	209.63	199.51			

	CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
PANEL H1A	50.45	–	40.4	–	–
PANEL H1B	22.59	–	22.59	–	–
A/C	115.2	–	115.2	–	–
PANEL H2A	118.03	–	86.98	–	–
PANEL L1A	38.8	–	24.4	–	–
ATS - PANEL EDP	257.84		225.28		
PANEL H2B	49	–	39.2	–	–
TOTAL LOAD	671.71	–	554.05	808	667

PANEL NAME: H1A | SIZE: 100A | KAIC RATING: 24 KAIC
VOLTAGE: 277/480V, 3ø, 4W | MAIN BKR.: MLO | CONNECTED: 60 AMPS
MOUNTING: SURFACE | LOCATION: SEE PLANS | DEMAND: 60 AMPS

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	T-1.01	15A/1P	1.5 / 2.0			15A/1P	T-1.09	2
3	T-1.02	20A/2P		2.75 / 4.0		20A/1P	T-1.10	4
5	I	I			2.75 / 4.0	20A/1P	T-1.11	6
7	T-1.03	15A/1P	2.0 / 4.0			20A/1P	T-1.12	8
9	T-1.04	15A/1P		2.0 / 1.5		15A/1P	T-1.13	10
11	T-1.05	15A/1P			2.0 / 1.0	15A/1P	T-1.15	12
13	T-1.06	20A/1P	3.5 / 4.5			25A/2P	T-1.14	14
15	T-1.07	20A/1P		3.5 / 4.5		I	I	16
17	T-1.08	20A/1P			3.5 / 1.5	15A/1P	T-1.16	18
19	SPACE		--- / ---			20A/1P	SPARE	20
21	SPACE			--- / ---		20A/1P	SPARE	22
23	SPACE				--- / ---	20A/1P	SPARE	24
25	SPACE		--- / ---			60A/3P	SPD	26
27	SPACE			--- / ---		I	I	28
29	SPACE				--- / ---	I	I	30
TOTAL KVA. PER ø			17.5	18.25	14.75			

	CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
LIGHTS	–	–	–	–	–
RECEPTACLES	–	–	–	–	–
A/C	–	–	–	–	–
ELECTRIC HEAT	50.5	.8	40.4	–	–
KITCHEN EQUIPMENT	–	–	–	–	–
MISCELLANEOUS LOAD	–	–	–	–	–
TOTAL LOAD	50.5	–	40.4	61	49

PANEL NAME: H1B | SIZE: 100 AMP (70A FEEDER BKR.) | KAIC RATING:
VOLTAGE: 277/480V, 3ø,4W | MAIN BKR.: MLO | CONNECTED: 27 AMPS
MOUNTING: SURFACE | LOCATION: SEE PLANS | DEMAND: 27 AMPS

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	SPARE	20A/1P	--- / 1.13			20A/1P	LIGHTS-BLDG. EXT.	2
3	LIGHTS-EAST	20A/1P		1.23 / .9		20A/1P	LIGHTS-PARKING	4
5	LIGHTS-EAST	20A/1P			.8 / .34	20A/1P	LIGHTS-PLAZA	6
7	LIGHTS-EAST	20A/1P	.84 / .34			I	I	8
9	LIGHTS-CENTER/WEST	20A/1P		.9 / 1.75		20A/2P	RECEP-PLAZA	10
11	LIGHTS-PLAZA	20A/2P			.34 / 1.75	I	I	12
13	I	I	.34 / .34			20A/1P	LIGHTS-PLAZA	14
15	RECEP-PLAZA	20A/2P		1.75 / .34		I	I	16
17	I	I			1.75 / 1.75	20A/2P	RECEP-PLAZA	18
19	LIGHTS-PLAZA	20A/2P	.34 / 1.75			I	I	20
21	I	I		.34 / ---		.82	LIGHTS-CRAWL SPACE	22
23	RECEP-PLAZA	20A/2P			1.75 / ---	20A/1P	SPARE	24
25	I	I	1.75 / ---			20A/1P	SPARE	26
27	SPACE			--- / ---		20A/1P	SPARE	28
29	SPACE				--- / ---	20A/1P	SPARE	30
31	SPACE		--- / ---			20A/1P	SPARE	32
33	SPACE			--- / ---		20A/1P	SPARE	34
35	SPACE				--- / ---	20A/1P	SPARE	36
37	SPACE		--- / ---			60A/3P	SPD	38
39	SPACE			--- / ---		I	I	40
41	SPACE				--- / ---	I	I	42
TOTAL KVA. PER ø			6.83	7.28	8.48			

	CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
LIGHTS	–	–	–	–	–
RECEPTACLES	–	–	–	–	–
A/C	–	–	–	–	–
ELECTRIC HEAT	–	–	–	–	–
KITCHEN EQUIPMENT	–	–	–	–	–
MISCELLANEOUS LOAD	–	–	–	–	–
TOTAL LOAD	22.59	–	–	27	27

PANEL NAME: H2A | SIZE: 225A (125A FEEDER BKR) | KAIC RATING: 24 KAIC
VOLTAGE: 277/480V, 3ø, 4W | MAIN BKR.: MLO | CONNECTED: 142 AMPS
MOUNTING: SURFACE | LOCATION: SEE PLANS | DEMAND: 104 AMPS

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	T-3.01	20A/2P	3.25 / 1.5			15A/1P	T-3.09	2
3	I	I		3.25 / 1.5		15A/1P	T-3.10	4
5	T-3.02	25A/2P			4.0 / 5.5	30A/2P	T-3.11	6
7	I	I	4.0 / 5.5			I	I	8
9	T-3.03	20A/2P		3.25 / 6.0		35A/2P	T-3.12	10
11	I	I			3.25 / 6.0	I	I	12
13	T-3.04	15A/1P	2.0 / 4.0			20A/1P	T-3.13	14
15	T-3.05	15A/1P		2.0 / 1.5		15A/1P	T-3.14	16
17	T-3.06	20A/1P			4.0 / ---	20A/1P	SPARE	18
19	T-3.07	25A/1P	4.5 / 1.64			20A/1P	LIGHTS	20
21	T-3.08	20A/2P		3.25 / 1.41		20A/1P	LIGHTS	22
23	I	I			3.25 / 2.0	20A/1P	LIGHTS	24
25	SPACE		--- / 14.66			60A/3P	T-L2A	26
27	SPACE			--- / 13.82		I	I	28
29	SPACE				--- / 13.0	I	I	30
31	SPACE		--- / ---			20A/1P	SPARE	32
33	SPACE			--- / ---		20A/1P	SPARE	34
35	SPACE				--- / ---	20A/1P	SPARE	36
37	SPACE		--- / ---			60A/3P	SPD	38
39	SPACE			--- / ---		I	I	40
41	SPACE				--- / ---	I	I	42
TOTAL KVA. PER ø			41.05	35.98	41			

	CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
LIGHTS	–	–	–	–	–
PANEL L2A	41.48	–	22.74	–	–
A/C	–	–	–	–	–
ELECTRIC HEAT	76.55	.8	61.24	–	–
KITCHEN EQUIPMENT	–	–	–	–	–
MISCELLANEOUS LOAD	–	–	–	–	–
TOTAL LOAD	118.03	–	86.98	142	104

PANEL NAME: H2B | SIZE: 100A (100A FEEDER BKR) | KAIC RATING: 24 KAIC
VOLTAGE: 277/480V, 3ø, 4W | MAIN BKR.: MLO | CONNECTED: 60 AMPS
MOUNTING: SURFACE | LOCATION: SEE PLANS | DEMAND: 47 AMPS

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	T-4.01	20A/1P	4.0 / 3.5			20A/1P	T-4.09	2
3	T-4.02	20A/1P		4.0 / 1.5		15A/1P	T-4.10	4
5	T-4.03	20A/1P			4.0 / 1.5	25a/1p	T-4.15	6
7	T-4.04	20A/2P	3.25 / 3.25			I	I	8
9	I	I		3.25 / 1.5		15A/1P	T-4.12	10
11	T-4.05	15A/1P			1.5 / 4.5	25A/1P	T-4.14	12
13	T-4.06	15A/1P	1.5 / ---			20A/1P	SPARE	14
15	T-4.07	20A/1P		3.5 / 4.5		25A/1P	T-4.13	16
17	T-4.08	25A/1P			3.5 / ---	20A/1P	SPARE	18
19	SPACE		--- / ---			20A/1P	SPARE	20
21	SPACE			--- / ---		20A/1P	SPARE	22
23	SPACE				--- / ---	20A/1P	SPARE	24
25	SPACE		--- / ---			60A/3P	SPD	26
27	SPACE			--- / ---		I	I	28
29	SPACE				--- / ---	I	I	30
TOTAL KVA. PER ø			15.5	18.25	15.25			

	CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
LIGHTS	–	–	–	–	–
RECEPTACLES	–	–	–	–	–
A/C	–	–	–	–	–
ELECTRIC HEAT	49	.8	39.2	–	–
KITCHEN EQUIPMENT	–	–	–	–	–
MISCELLANEOUS LOAD	–	–	–	–	–
TOTAL LOAD	49	–	39.2	60	47

PANEL NAME: L1A | SIZE: 100 AMP | KAIC RATING: 22 KAIC
VOLTAGE: 120/208V,3ø, 4W | MAIN BKR.: 100 AMP | CONNECTED: 105 AMPS
MOUNTING: SURFACE | LOCATION: SEE PLANS | DEMAND: 68 AMPS

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	RECEPS - 149	20A/1P	1.16 / .54			20A/1P	RECEPS - 138	2
3	RECEPS - 148	20A/1P		.54 / .54		20A/1P	RECEPS - 138	4
5	RECEPS - 140	20A/1P			.72 / .54	20A/1P	RECEPS - 137	6
7	RECEPS - 136	20A/1P	.54 / .72			20A/1P	RECEPS-133,134,155	8
9	RECEPS - 132	20A/1P		.54 / .5		20A/1P	RECEPS - MONITORS 155	10
11	RECEPS - 130	20A/1P			.54 / .36	20A/1P	RECEPS - 154	12
13	RECEPS - 129	20A/1P	.72 / .36			20A/1P	RECEPS - 109,111	14
15	RECEPS - 128	20A/1P		.72 / .54		20A/1P	RECEPS - 105	16
17	RECEPS - 127	20A/1P			.54 / .72	20A/1P	RECEPS - 111	18
19	RECEPS - 126	20A/1P	.8 / .72			20A/1P	RECEPS - 117	20
21	RECEPS - 125	20A/1P		.8 / .54		20A/1P	RECEPS - 112	22
23	RECEPS - 124	20A/1P			.8 / .54	20A/1P	RECEPS - 112	24
25	RECEPS - 123	20A/1P	.8 / .9			20A/1P	RECEPS - 122	26
27	RECEPS - 120	20A/1P		.8 / .54		20A/1P	RECEPS - 119	28
29	RECEPS - 118	20A/1P			.8 / .54	20A/1P	RECEPS - 113	30
31	RECEPS - 115	20A/1P	.8 / .72			20A/1P	RECEPS - 121	32
33	RECEPS - 114	20A/1P		.8 / .72		20A/1P	RECEPS - 121	34
35	RECEPS - 106 COFFEE	20A/1P			1.5 / .54	20A/1P	RECEPS - 121	36
37	RECEPS - 106 COFFEE	20A/1P	1.5 / .36			20A/1P	RECEPS - 121	38
39	RECEPS - 106	20A/1P		.72 / .7		20A/1P	RECEPS - 116	40
41	RECEPS-156,149,142,141	20A/1P			.9 / .86	20A/1P	RECEPS - 116	42
43	RECEPS - REF. 121	20A/1P	.5 / .5			20A/1P	LANDSCAPE/FLAG LIGHTS	44
45	RECEPS - COFFEE	20A/1P		1.5 / 1.28		20A/1P	RECEPS - CRAWL SPACE	46
47	RECEPS - MICRO	20A/1P			1.5 / 1.0	20A/1P	RECEPS - IRRIGATION	48
49	GENERATOR BLOCK HEAT	30A/2P	1.0 / 1.0			20A/1P	RECEP - EXTERIOR	50
51	I	I		1.0 / ---		20A/1P	SPARE	52
53	BATTERY CHARGER	20A/1P			1.0 / ---	20A/1P	SPARE	54
55	SPARE	20A/1P	--- / ---			20A/1P	SPARE	56
57	SPARE	20A/1P		--- / ---		20A/1P	SPARE	58
59	SPARE	20A/1P			--- / ---	20A/1P	SPARE	60
61	SPARE	20A/1P	--- / ---			20A/1P	SPARE	62
63	SPARE	20A/1P		--- / ---		20A/1P	SPARE	64
65	SPARE	20A/1P			--- / ---	20A/1P	SPARE	66
67	SPARE	20A/1P	--- / ---			20A/1P	SPARE	68
69	SPARE	20A/1P		--- / ---		20A/1P	SPARE	70
71	SPARE	20A/1P			--- / ---	20A/1P	SPARE	72
73	SPARE	20A/1P	--- / ---			20A/1P	SPARE	74
75	SPARE	20A/1P		--- / ---		20A/1P	SPARE	76
77	SPARE	20A/1P			--- / ---	20A/1P	SPARE	78
79	SPARE	20A/1P	--- / ---			60A/3P	SPD	80
81	SPARE	20A/1P		--- / ---		I	I	82
83	SPARE	20A/1P			--- / ---	I	I	84
TOTAL VA. PER ø			12.64	12.76	13.4			

	CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
LIGHTS	–	–	–	–	–
RECEPTACLES	38.8	–	24.4	–	–
A/C	–	–	–	–	–
ELECTRIC HEAT	–	–	–	–	–
KITCHEN EQUIPMENT	–	–	–	–	–
MISCELLANEOUS LOAD	–	–	–	–	–
TOTAL LOAD	38.8	–	24.4	107	68

PANEL NAME: L2A | SIZE: 100 AMP | KAIC RATING: 22 KAIC
VOLTAGE: 120/208V,3ø, 4W | MAIN BKR.: 100 AMP | CONNECTED: 120 AMPS
MOUNTING: SURFACE | LOCATION: SEE PLANS | DEMAND: 74 AMPS

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	RECEPS - 204	20A/1P	.84 / .72			20A/1P	RECEPS - 216	2
3	RECEPS - 201	20A/1P		.84 / .54		20A/1P	RECEPS - 216	4
5	RECEPS - 202	20A/1P			.84 / 1.0	20A/1P	RECEPS - 216 COPIER	6
7	RECEPS - 203	20A/1P	.84 / 1.02			20A/1P	RECEPS - 223	8
9	RECEPS - 206	20A/1P		.84 / 1.0		20A/1P	RECEPS - 224 COPIER	10
11	RECEPS - 211	20A/1P			.84 / 1.02	20A/1P	RECEPS - 225	12
13	RECEPS - 221	20A/1P	.72 / .9			20A/1P	RECEPS - 217-220	14
15	RECEPS - 213	20A/1P		.84 / .72		20A/1P	RECEPS - 256,257	16
17	RECEPS - 214	20A/1P			.78 / ---	20A/1P	SPARE	18
19	RECEPS - 221	20A/1P	.9 / .72			20A/1P	RECEPS - 229	20
21	RECEPS - 213	20A/1P		.72 / .9		20A/1P	RECEPS - 230	22
23	RECEPS - RR 214	20A/1P			1.5 / .72	20A/1P	RECEPS - 231	24
25	RECEPS - 232	20A/1P	.9 / .9			20A/1P	RECEPS - 236	26
27	RECEPS - 237,238	20A/1P		1.08 / .72		20A/1P	RECEPS - 241	28
29	RECEPS - 244	20A/1P			.9 / .72	20A/1P	RECEPS - 242	30
31	RECEPS - 233	20A/1P	1.5 / 1.0			20A/1P	RECEPS - 209 REF.	32
33	RECEPS - 234	20A/1P		1.5 / 1.5		20A/1P	RECEPS - 209 COFFEE	34
35	RECEPS - 235	20A/1P			1.5 / 1.0	20A/1P	RECEPS - 209 MICRO	36
37	RECEPS - 233	20A/1P	.72 / ---			20A/1P	SPARE	38
39	RECEPS - 233 COPIER	20A/1P		1.0 / ---		20A/1P	SPARE	40
41	RECEPS - 239	20A/1P			.72 / .4	20A/1P	AUTO FAUCETS/FLUSH	42
43	RECEPS - 251	20A/1P	1.28 / .72			20A/1P	RECEPS - 236,245	44
45	RECEPS - 239,243	20A/1P		.9 / .72		20A/1P	RECEPS - 245	46
47	RECEPS - 227,228	20A/1P			.56 / 1.5	20A/1P	RECEPS - 247 COFFEE	48
49	EDF	20A/1P	1.0 / .4			20A/1P	FIXTURE V	50
51	RECEPS - ROOF	20A/1P		1.5 / ---		20A/1P	SPARE	52
53	SPARE	20A/1P			--- / ---	20A/1P	SPARE	54
55	SPARE	20A/1P	--- / ---			20A/1P	SPARE	56
57	SPARE	20A/1P		--- / ---		20A/1P	SPARE	58
59	SPARE	20A/1P			--- / ---	20A/1P	SPARE	60
61	SPARE	20A/1P	--- / ---			20A/1P	SPARE	62
63	SPARE	20A/1P		--- / ---		20A/1P	SPARE	64
65	SPARE	20A/1P			--- / ---	20A/1P	SPARE	66
67	SPARE	20A/1P	--- / ---			20A/1P	SPARE	68
69	SPARE	20A/1P		--- / ---		20A/1P	SPARE	70
71	SPARE	20A/1P			--- / ---	20A/1P	SPARE	72
73	SPARE	20A/1P	--- / ---			20A/1P	SPARE	74
75	SPARE	20A/1P		--- / ---		20A/1P	SPARE	76
77	SPARE	20A/1P			--- / ---	20A/1P	SPARE	78
79	SPARE	20A/1P	--- / ---			60A/3P	SPD	80
81	SPARE	20A/1P		--- / ---		I	I	82
83	SPARE	20A/1P			--- / ---	I	I	84
TOTAL VA. PER ø			14.66	15.32	13.4			

	CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
LIGHTS	–	–	–	–	–
RECEPTACLES	43.38	–	26.69	–	–
A/C	–	–	–	–	–
ELECTRIC HEAT	–	–	–	–	–
KITCHEN EQUIPMENT	–	–	–	–	–
MISCELLANEOUS LOAD	–	–	–	–	–
TOTAL LOAD	43.38	–	26.69	120	74

RIDGELAND CITY HALL
RIDGELAND, MS
PN 14048

Dean and Dean/Associates
architects
a professional association
DEAN • GEDDIE • GRANT • OUBRE
P.O. Box 4685 Jackson, MS 39296 4400 Old Canton Rd, Suite 200 Highland Bluff Jackson, MS39211 (601) 939-7717
www.deandean.com

Revisions:
A1 ADDENDUM #1 JULY 12, 2019
A2 ADDENDUM #2 JULY 18, 2019

Project No: 14048
Date: JUNE 20, 2019
Drawn: MLL
Checked: JDR

RIDGELAND CITY HALL
RIDGELAND, MISSISSIPPI

Sheet Number: E0.3

JON D. RICE 14455 STATE OF MISSISSIPPI
Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court, Suite G, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.#15036.00

PANEL NAME: EDP | SIZE: 400 AMP | KAIC RATING: 24 KAIC
VOLTAGE: 277/480V, 3ø, 4W | MAIN BKR.: 400 AMP | CONNECTED: 334 AMPS
MOUNTING: SURFACE | LOCATION: SEE PLANS | DEMAND: 271 AMPS

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	RTU-2	100A/3P	18.6 / ---			3P	SPACE	2
3	I	I		18.6 / ---			I	4
5	I	I			18.6 / ---		I	6
7	TRANSFORMER L1E	60A/3P	14.92 / 15			70A/3P	TRANSFORMER T-UPS	8
9	30 KVA	I		15.82 / 15		I	45 KVA	10
11	I	I			11.15 / 15	I	I	12
13	PANEL H1E1	125A/3P	29.6 / ---			3P	SPACE	14
15	I	I		28.37 / ---			I	16
17	I	I			21.56 / ---		I	18
19	TRANSFORMER L2E	60A/3P	5.48 / 11.1			80A/3P	ELEVATOR	20
21	I	I		8.57 / 11.1		I	I	22
23	I	I			8.07 / 11.1	I	I	24
25	SPACE		--- / ---				SPACE	26
27	SPACE			--- / ---			SPACE	28
29	SPACE				--- / ---		SPACE	30
31	SPACE		--- / ---				SPACE	32
33	SPACE			--- / ---			SPACE	34
35	SPACE				--- / ---		SPACE	36
37	SPACE		--- / ---			60A/3P	SPD	38
39	SPACE			--- / ---		I	I	40
41	SPACE				--- / ---	I	I	42
TOTAL KVA. PER ø			94.7	97.46	85.48			

	CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
ELEVATOR	33.3	.5	16.65	–	–
PANEL L1E	41.89	–	30.28	–	–
PANEL L2E	22.12	–	22.12	–	–
A/C	55.8	–	55.8	–	–
UPS	45	–	36	–	–
PANEL H1E1 & H2E1	79.53	–	64.43	–	–
TOTAL LOAD	277.64	–	225.28	338	271

A2

PANEL NAME: UPS1 | SIZE: 225A | KAIC RATING: 22 KAIC
VOLTAGE: 120/208V, 3ø, 4W | MAIN BKR.: 150 AMP | CONNECTED: SIZED FOR FUTURE
MOUNTING: SURFACE | LOCATION: SEE PLANS

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	SPARE	20A/1P	--- / ---			100A/3P	BUSWAY OVER IT RACK	2
3	SPARE	20A/1P		--- / ---		I	I	4
5	SPARE	20A/1P			--- / ---	I	I	6
7	SPARE	20A/1P	--- / ---				SPACE	8
9	SPARE	20A/1P		--- / ---			SPACE	10
11	SPARE	20A/1P			--- / ---		SPACE	12
13	SPARE	20A/1P	--- / ---				SPACE	14
15	SPARE	20A/1P		--- / ---			SPACE	16
17	SPARE	20A/1P			--- / ---		SPACE	18
19	SPARE	20A/1P	--- / ---				SPACE	20
21	SPARE	20A/1P		--- / ---			SPACE	22
23	SPARE	20A/1P			--- / ---		SPACE	24
25	SPARE	20A/1P	--- / ---			60A/3P	SPD	26
27	SPARE	20A/1P		--- / ---		I	I	28
29	SPARE	20A/1P			--- / ---	I	I	30
TOTAL KVA. PER ø			---	---	---	SIZED FOR FUTURE		

PANEL NAME: H1E1 (EM) | SIZE: 225A (125 AMP FEEDER BKR) | KAIC RATING: 24 KAIC
VOLTAGE: 277/480V, 3ø, 4W | MAIN BKR.: MLO | CONNECTED: 96 AMPS
MOUNTING: SURFACE | LOCATION: SEE PLANS | DEMAND: 78 AMPS

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	T-2.01	35A/2P	6.5 / 4.0			20A/1P	T-2.09	2
3	I	I		6.5 / 2.0		15A/1P	T-2.10	4
5	T-2.02	20A/1P			3.5 / 3.5	20A/1P	T-2.11	6
7	T-2.03	20A/1P	4.0 / 4.0			20A/1P	T-2.12	8
9	T-2.04	20A/1P		4.0 / 2.0		15A/1P	T-2.13	10
11	T-2.05	20A/1P			4.0 / 2.5	15A/1P	T-2.14	12
13	T-2.06	20A/1P	4.0 / 1.5			15A/1P	T-2.15	14
15	T-2.07	20A/1P		3.5 / 3.25		20A/2P	T-2.16	16
17	T-2.08	25A/1P			4.5 / 3.25	I	I	18
19	LIGHTS	20A/1P	1.1 / 4.5			25A/2P	T-2.17	20
21	LIGHTS	20A/1P		1.0 / 4.5		I	I	22
23	LIGHTS	20A/1P			.31 / ---	20A/1P	SPARE	24
25	SPARE	20A/1P	--- / ---			20A/1P	SPARE	26
27	LIGHTS - SECOND FLOOR	20A/1P		1.62 / ---		20A/1P	SPARE	28
29	SPARE	20A/1P			--- / ---	20A/1P	SPARE	30
31	SPARE	20A/1P	--- / ---			20A/1P	SPARE	32
33	SPARE	20A/1P		--- / ---		20A/1P	SPARE	34
35	SPARE	20A/1P			--- / ---	20A/1P	SPARE	36
37	SPARE	20A/1P	--- / ---			60A/3P	SPD	38
39	SPARE	20A/1P		--- / ---		I	I	40
41	SPARE	20A/1P			--- / ---	I	I	42
TOTAL KVA. PER ø			29.6	28.37	21.56			

	CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
LIGHTS	4.03	–	4.03	–	–
RECEPTACLES	–	–	–	–	–
A/C	–	–	–	–	–
ELECTRIC HEAT	75.5	.8	60.4	–	–
KITCHEN EQUIPMENT	–	–	–	–	–
MISCELLANEOUS LOAD	–	–	–	–	–
TOTAL LOAD	79.53	–	64.43	96	78

PANEL NAME: L2E (EM) | SIZE: 100 AMP | KAIC RATING: 22 KAIC
VOLTAGE: 120/208V,3ø,4W | MAIN BKR.: 100 AMP | CONNECTED: 61.2 AMPS (A2)
SURFACE | LOCATION: SEE PLANS | DEMAND: 61.2 AMPS

A2

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	RECEPS - 251	20A/1P	1.0 / 1.87			25A/2P	DSS-1	2
3	RECEPS - 251	20A/1P		1.0 / 1.87		I	I (SHUNT TRIP)	4
5	RECEPS - U/C REFRIG	20A/1P			1.0 / 1.97	25A/3P	DSS-2	6
7	SPARE	20A/1P	--- / 1.87			I	I (SHUNT TRIP)	8
9	SPARE	20A/1P		--- / 2.7		45A/2P	DSS-3 (OUTDOOR)	10
11	EF-2 & EF-3	15A/1P			1.1 / 2.7	I	I	12
13	SMOKE DAMPERS	20A/1P	.25 / .53			15A/2P	DSS- 3 (INDOOR)	14
15	SMOKE DAMPER	20A/1P		.25 / .53		I	I	16
17	CLEAN AGENT FP	20A/1P			1.5 / .5	20A/1P	RECEPS - 245	18
19	CLEAN AGENT FP	20A/1P	1.5 / ---			20A/1P	SPARE	20
21	TELEPHONE BB	20A/1P		1.5 / ---		20A/1P	SPARE	22
23	SPARE	20A/1P			--- / ---	20A/1P	SPARE	24
25	SPARE	20A/1P	--- / ---			20A/1P	SPARE	26
27	SPARE	20A/1P		--- / ---		20A/1P	SPARE	28
29	SPARE	20A/1P			--- / ---	20A/1P	SPARE	30
31	SPARE	20A/1P	--- / ---			20A/1P	SPARE	32
33	SPARE	20A/1P		--- / ---		20A/1P	SPARE	34
35	SPARE	20A/1P			--- / ---	20A/1P	SPARE	36
37	SPARE	20A/1P	--- / ---			60A/3P	SPD	38
39	SPARE	20A/1P		--- / ---		I	I	40
41	SPARE	20A/1P			--- / ---	I	I	42
TOTAL KVA. PER ø (A2)			7.02	6.35	8.86			

	CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
LIGHTS	–	–	–	–	–
RECEPTACLES	–	–	–	–	–
A/C	–	–	–	–	–
ELECTRIC HEAT	–	–	–	–	–
KITCHEN EQUIPMENT	–	–	–	–	–
MISCELLANEOUS LOAD (A2)	–	–	–	–	–
TOTAL LOAD	22.04	–	–	61.2	61.2

PANEL NAME: L1E (EM) | SIZE: 100 AMP | KAIC RATING: 22 KAIC
VOLTAGE: 120/208V, 3ø, 4W | MAIN BKR.: 100 AMP | CONNECTED: 116 AMPS
MOUNTING: SURFACE | LOCATION: SEE PLANS | DEMAND: 84 AMPS

CIR. NO.	LOAD	BREAKER AMPS/POLES	LOAD kVA/PHASE A	B	C	BREAKER AMPS/POLES	LOAD	CIR. NO.
1	152/153/150/145	20A/1P	.9 / 1.5			20A/1P	DISPOSAL/DW 145	2
3	RECEPTION/137	20A/1P		.5 / 1.5		20A/1P	146	4
5	COPIER 138	20A/1P			1.5 / 1.0	20A/1P	147	6
7	136/140/148/149	20A/1P	1.2 / 1.0			20A/1P	145	8
9	129/130/132	20A/1P		.9 / 1.5		20A/1P	145	10
11	EDF	20A/1P			1.0 / 1.5	20A/1P	REFRIGERATOR 145	12
13	139	20A/1P	1.5 / 4.2			50A/2P	RANGE	14
15	139	20A/1P		1.5 / 4.2		I	I	16
17	REFRIGERATOR 139	20A/1P			.2 / .72	20A/1P	101	18
19	135	20A/1P	1.0 / 1.0			20A/1P	101	20
21	MONITORS 135	20A/1P		.8 / .9		20A/1P	101	22
23	135	20A/1P			1.0 / .9	20A/1P	101	24
25	RECEPS	20A/1P	.9 / .22			15A/1P	EF-4	26
27	RECEPS	20A/1P		.6 / 1.0		15A/1P	KH-1	28
29	RECEPS	20A/1P			.6 / .5	20A/1P	FAC	30
31	WATER HEATER CONTROL	20A/1P	.5 / .4			20A/1P	AUTO PLUMBING VALVES	32
33	RE-CIRC PUMP 1 & 2	20A/1P		.7 / .5		20A/1P	SUMP PUMP	34
35	AUTO PLUMBING VALVES	20A/1P			.4 / .53	15A/1P	EF-3	36
37	BLDG AUTOMATION	20A/1P	.5 / ---			60A/3P	SPD	38
39	FIRE ALARM BELL	20A/1P		.5 / ---		I	I	40
41	SPARE	20A/1P			--- / ---	I	I	42
43	SPARE	20A/1P	--- / ---				SPACE	44
45	SPARE	20A/1P		--- / ---			SPACE	46
47	SPARE	20A/1P			--- / ---		SPACE	48
49	SPARE	20A/1P	--- / ---				SPACE	50
51	SPARE	20A/1P		--- / ---			SPACE	52
53	SPARE	20A/1P			--- / ---		SPACE	54
55	SPARE	20A/1P	--- / ---				SPACE	56
57	SPARE	20A/1P		--- / ---			SPACE	58
59	SPARE	20A/1P			--- / ---		SPACE	60
TOTAL VA. PER ø			14.82	15.6	11.55			

	CONNECTED KVA	DIVERSITY	DEMAND KVA	CONNECTED AMPS	DEMAND AMPS
LIGHTS	–	–	–	–	–
RECEPTACLES	27.62	–	18.86	–	–
A/C	–	–	–	–	–
ELECTRIC HEAT	–	–	–	–	–
KITCHEN EQUIPMENT	9.62	.8	7.7	–	–
MISCELLANEOUS LOAD	1.25	.8	3.4	–	–
TOTAL LOAD	41.97	–	29.96	118.3	84

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RIDGELAND, MISSISSIPPI

Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court, Suite G, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.#15036.00

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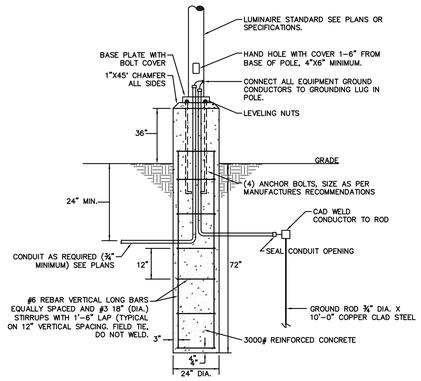
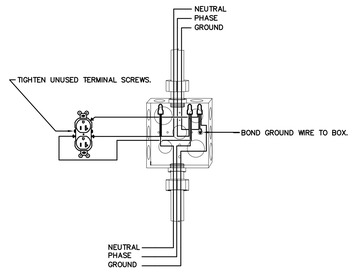


1 E0.5 POLE BASE DETAIL
SCALE: NOT TO SCALE



2 E0.5 RECEPTACLE TERMINATION DETAIL
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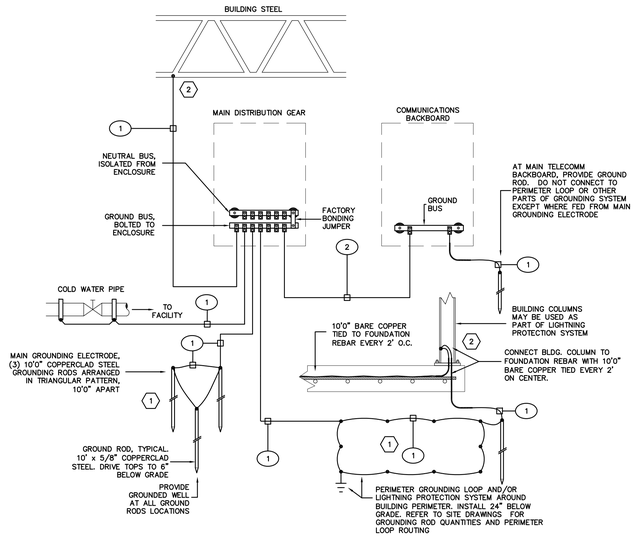
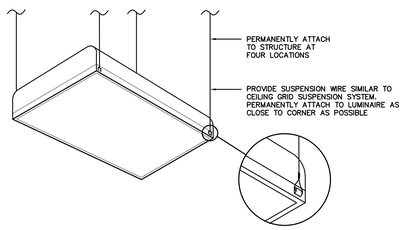


3 E0.5 GROUNDING & BONDING DETAIL
SCALE: NOT TO SCALE

ELECTRODES NOT PERMITTED FOR GROUND
1. METAL UNDERGROUND GAS PIPING SYSTEM
2. ALUMINUM ELECTRODES

NOTES:
1 ALL CONNECTIONS TO GROUND RODS SHALL BE EXOTHERMIC WELD
2 ALL CONNECTIONS TO BLDG. STEEL SHALL BE MECHANICAL CONNECTIONS

GROUNDING CONDUCTOR SIZES:
1 2/0 AWG.
2 #4 AWG.



4 E0.5 TYPICAL INSTALLATION OF LAY-IN FIXTURE
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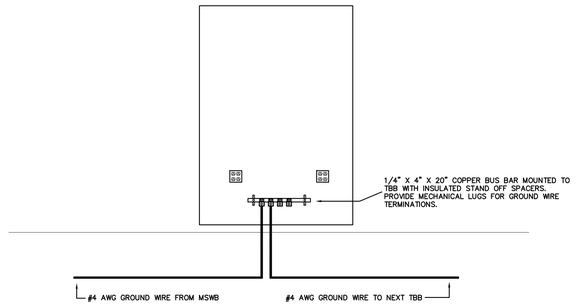

5 E0.5 TYPICAL TELEPHONE BACKBOARD GROUNDING DETAIL
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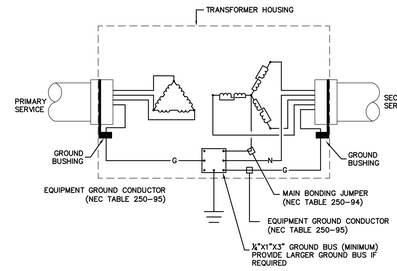
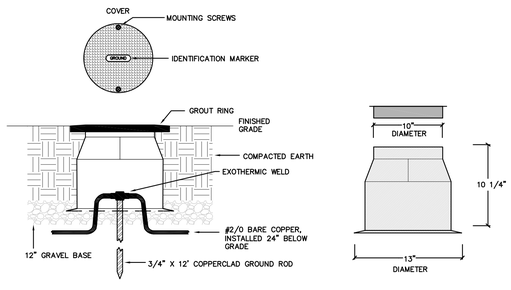
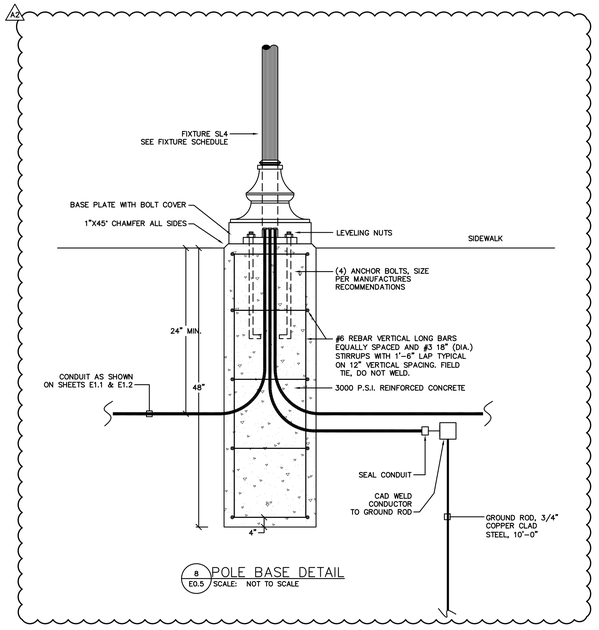


6 E0.5 TRANSFORMER GROUNDING DETAIL
SCALE: NOT TO SCALE



7 E0.5 TYPICAL GROUND TEST WELL
SCALE: NOT TO SCALE



8 E0.5 POLE BASE DETAIL
SCALE: NOT TO SCALE

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Electrical Engineering Consultants
5403 Castlewoods Court, Suite G, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.#15036.00

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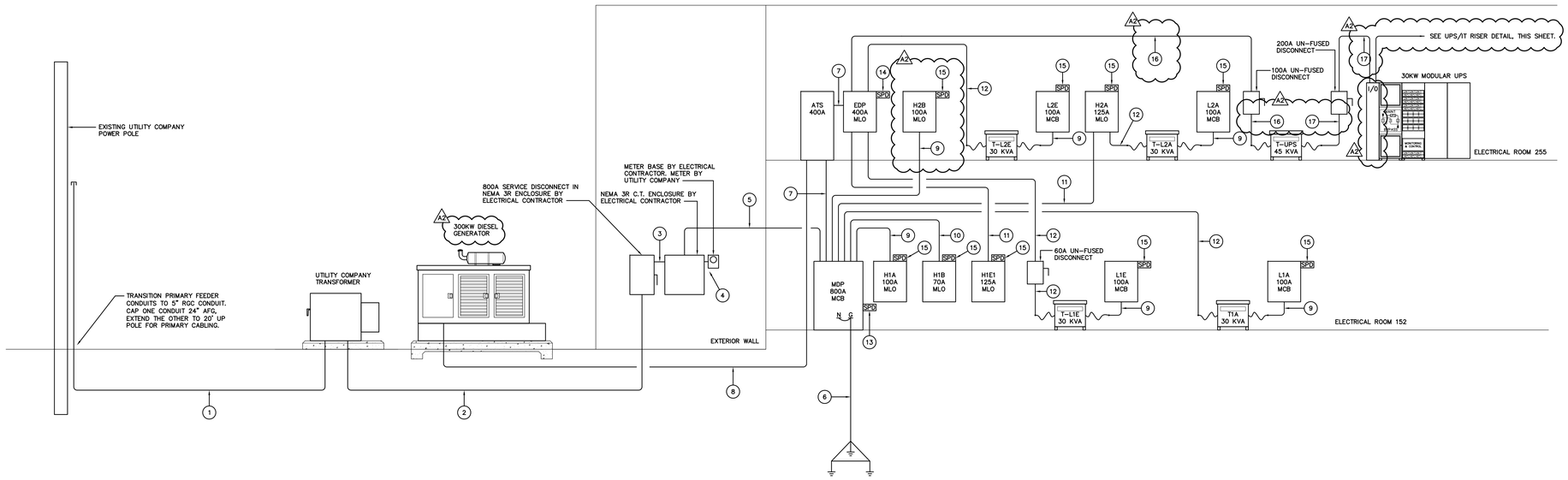
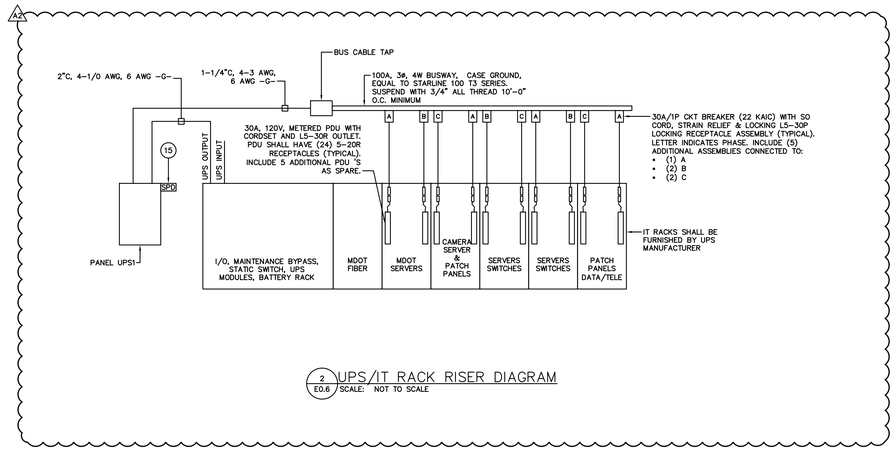


1 E0.6 POWER RISER DIAGRAM
SCALE: NOT TO SCALE

POWER RISER KEYNOTES

1. TWO RUNS OF EMPTY 5" SCHEDULE 80 PVC CONDUIT, WITH RIGID ELBOWS. PROVIDE TRACER WIRE ABOVE CONDUITS.
2. TWO RUNS OF 4" SCHEDULE 80 PVC CONDUIT WITH 4-500 KCMIL IN EACH.
3. TWO RUNS OF 4" IMC CONDUIT WITH 4-500 KCMIL IN EACH.
4. 1" IMC CONDUIT. CONNECT METER BASE TO CURRENT TRANSFORMERS IN C.T. ENCLOSURE.
5. TWO RUNS OF 4" IMC CONDUIT WITH 4-500 KCMIL IN EACH.
6. #2/0 COPPER GROUNDING CONDUCTOR TO TRIAD OF 10'X3/4" COPPER CLAD DRIVEN GROUND RODS. BOND GROUND AND NEUTRAL IN PANEL MDP. BOND GROUND RODS TO GROUND RING, BUILDING STEEL, AND COLD WATER PIPE (IF METALLIC).
7. 4-500 KCMIL, 1-#3(G), 3-1/2"C
8. 4-500 KCMIL, 1-#3(G), 3-1/2" SCHEDULE 80 PVC CONDUIT. WITH RIGID ELBOWS. TRANSITION TO IMC CONDUIT INSIDE BUILDING.
9. 4-#3, 1-#8(G), 1-1/4"C.
10. 4-#4, 1-#8(G), 1-1/4"C.
11. 4-#1, 1-#6(G), 1-1/2"C.
12. 3-#6, 1-#10(G), 3/4"C.
13. TYPE 1 SPD - 4-#3, 1-#3(G), 1-1/4"C
14. TYPE 2 SPD - 4-#6, 1-#6(G), 1"C
15. TYPE 3 SPD - 4-#6, 1-#6(G), 1"C
16. 3-#4, 1-#8(G), 1-1/4"C.
17. 4-#1/0, 1-#6(G), 2"C.



2 E0.6 UPS/IT RACK RISER DIAGRAM
SCALE: NOT TO SCALE

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Electrical Engineering Consultants
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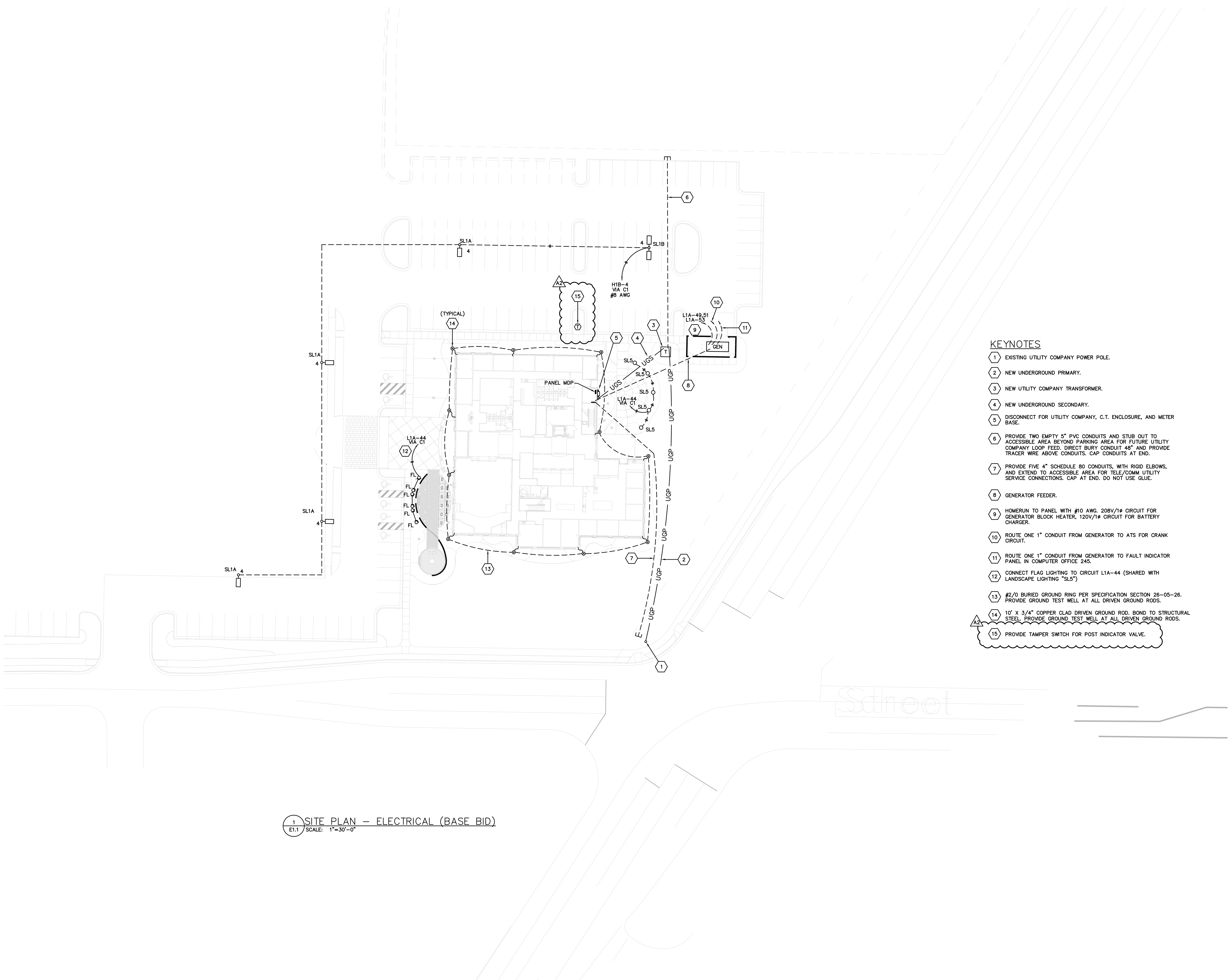

SITE PLAN – ELECTRICAL (BASE BID)
1 / E1.1 SCALE: 1"=30'-0"

KEYNOTES

1. EXISTING UTILITY COMPANY POWER POLE.
2. NEW UNDERGROUND PRIMARY.
3. NEW UTILITY COMPANY TRANSFORMER.
4. NEW UNDERGROUND SECONDARY.
5. DISCONNECT FOR UTILITY COMPANY, C.T. ENCLOSURE, AND METER BASE.
6. PROVIDE TWO EMPTY 5" PVC CONDUITS AND STUB OUT TO ACCESSIBLE AREA BEYOND PARKING AREA FOR FUTURE UTILITY COMPANY LOOP FEED. DIRECT BURY CONDUIT 48" AND PROVIDE TRACER WIRE ABOVE CONDUITS. CAP CONDUITS AT END.
7. PROVIDE FIVE 4" SCHEDULE 80 CONDUITS, WITH RIGID ELBOWS, AND EXTEND TO ACCESSIBLE AREA FOR TELE/COMM UTILITY SERVICE CONNECTIONS. CAP AT END. DO NOT USE GLUE.
8. GENERATOR FEEDER.
9. HOMERUN TO PANEL WITH #10 AWG. 208V/1ø CIRCUIT FOR GENERATOR BLOCK HEATER, 120V/1ø CIRCUIT FOR BATTERY CHARGER.
10. ROUTE ONE 1" CONDUIT FROM GENERATOR TO ATS FOR CRANK CIRCUIT.
11. ROUTE ONE 1" CONDUIT FROM GENERATOR TO FAULT INDICATOR PANEL IN COMPUTER OFFICE 245.
12. CONNECT FLAG LIGHTING TO CIRCUIT L1A–44 (SHARED WITH LANDSCAPE LIGHTING "SL5")
13. #2/0 BURIED GROUND RING PER SPECIFICATION SECTION 26–05–26. PROVIDE GROUND TEST WELL AT ALL DRIVEN GROUND RODS.
14. 10' X 3/4" COPPER CLAD DRIVEN GROUND ROD. BOND TO STRUCTURAL STEEL. PROVIDE GROUND TEST WELL AT ALL DRIVEN GROUND RODS.
15. (A2) PROVIDE TAMPER SWITCH FOR POST INDICATOR VALVE.

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Electrical Engineering Consultants
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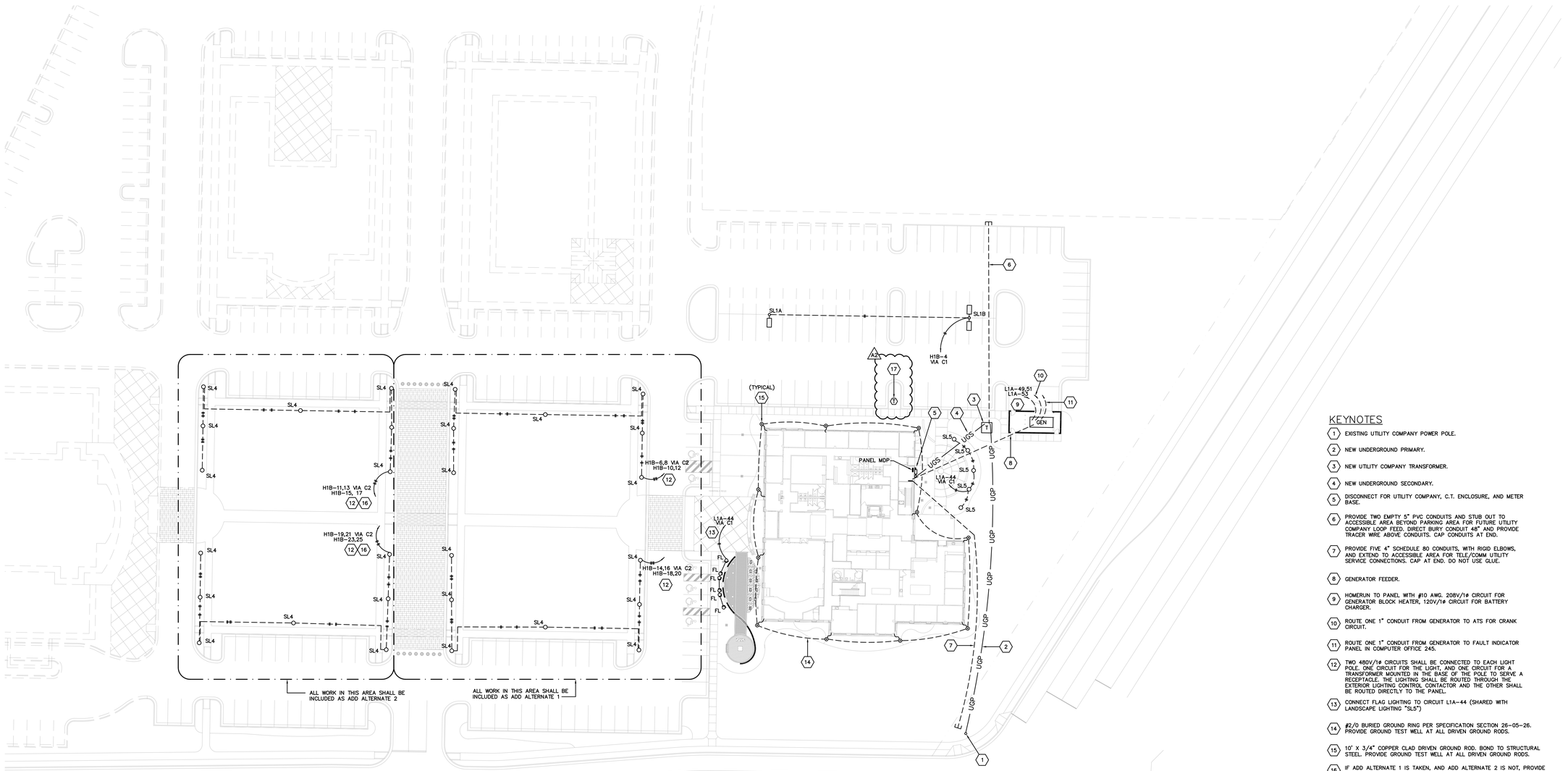

1 / E1.2 SITE PLAN – ELECTRICAL (BASE BID WITH ADD ALTERNATES)
SCALE: 1"=30'-0"

KEYNOTES

1. EXISTING UTILITY COMPANY POWER POLE.
2. NEW UNDERGROUND PRIMARY.
3. NEW UTILITY COMPANY TRANSFORMER.
4. NEW UNDERGROUND SECONDARY.
5. DISCONNECT FOR UTILITY COMPANY, C.T. ENCLOSURE, AND METER BASE.
6. PROVIDE TWO EMPTY 5" PVC CONDUITS AND STUB OUT TO ACCESSIBLE AREA BEYOND PARKING AREA FOR FUTURE UTILITY COMPANY LOOP FEED. DIRECT BURY CONDUIT 48" AND PROVIDE TRACER WIRE ABOVE CONDUITS. CAP CONDUITS AT END.
7. PROVIDE FIVE 4" SCHEDULE 80 CONDUITS, WITH RIGID ELBOWS, AND EXTEND TO ACCESSIBLE AREA FOR TELE/COMM UTILITY SERVICE CONNECTIONS. CAP AT END. DO NOT USE GLUE.
8. GENERATOR FEEDER.
9. HOMERUN TO PANEL WITH #10 AWG. 208V/1ø CIRCUIT FOR GENERATOR BLOCK HEATER, 120V/1ø CIRCUIT FOR BATTERY CHARGER.
10. ROUTE ONE 1" CONDUIT FROM GENERATOR TO ATS FOR CRANK CIRCUIT.
11. ROUTE ONE 1" CONDUIT FROM GENERATOR TO FAULT INDICATOR PANEL IN COMPUTER OFFICE 245.
12. TWO 480V/1ø CIRCUITS SHALL BE CONNECTED TO EACH LIGHT POLE. ONE CIRCUIT FOR THE LIGHT, AND ONE CIRCUIT FOR A TRANSFORMER MOUNTED IN THE BASE OF THE POLE TO SERVE A RECEPTACLE. THE LIGHTING SHALL BE ROUTED THROUGH THE EXTERIOR LIGHTING CONTROL CONTACTOR AND THE OTHER SHALL BE ROUTED DIRECTLY TO THE PANEL.
13. CONNECT FLAG LIGHTING TO CIRCUIT L1A-44 (SHARED WITH LANDSCAPE LIGHTING "SL5")
14. #2/0 BURIED GROUND RING PER SPECIFICATION SECTION 26-05-26. PROVIDE GROUND TEST WELL AT ALL DRIVEN GROUND RODS.
15. 10' X 3/4" COPPER CLAD DRIVEN GROUND ROD. BOND TO STRUCTURAL STEEL. PROVIDE GROUND TEST WELL AT ALL DRIVEN GROUND RODS.
16. IF ADD ALTERNATE 1 IS TAKEN, AND ADD ALTERNATE 2 IS NOT, PROVIDE RACEWAY ROUGH-IN FOR LIGHTING CIRCUITS SHOWN IN ADD ALTERNATE 2 FOR FUTURE CONNECTION. STUB OUT RACEWAYS INTO ACCESSIBLE AREA IN ADD ALTERNATE 2 VICINITY.
17. PROVIDE TAMPER SWITCH FOR POST INDICATOR VALVE.

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Sheet Number : E1.2

Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court, Suite G Flowood, MS 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.#15036.00

RIDGELAND CITY HALL
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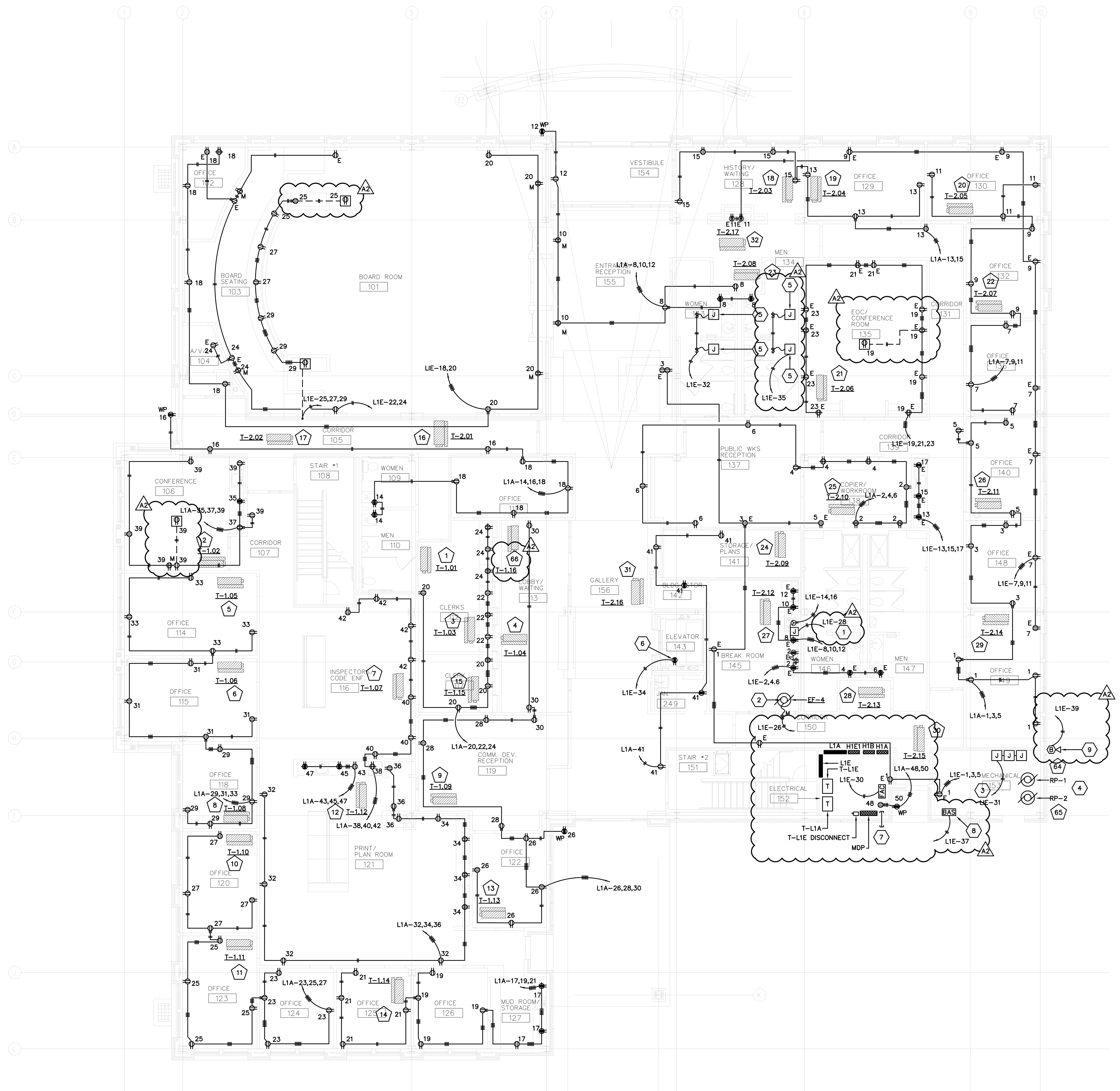
PN 14048



FIRST FLOOR PLAN – POWER
SCALE: 1/8"=1'-0"

GENERAL NOTE

CLOSELY COORDINATE ROUGH–IN OF DEVICES IN BOARD RM 101, AND EOC/CONFERENCE ROOM 135 WITH GENERAL CONTRACTOR, ARCHITECT, AND ENGINEER

KEYNOTES

1. RECEPTACLE FOR RANGE PROVIDED BY RANGEHOOD MANUFACTURER. PROVIDE 208V/1PH CONNECTION TO RECEPTACLE DISCONNECT AND 120V/1PH CONNECTION TO RANGEHOOD. INTERLOCKING OF RANGEHOOD BY MECHANICAL CONTRACTOR. COORDINATE ALL CONNECTIONS WITH GENERAL CONTRACTOR AND MECHANICAL CONTRACTOR.
2. COORDINATE INTERLOCKING OF EF–4 TO RANGEHOOD WITH MECHANICAL CONTRACTOR.
3. PROVIDE CONNECTION TO WATER HEATER CONTROLS. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.
4. COORDINATE EXACT LOCATION OF RE–CIRCULATION PUMPS RP–1, AND RP–2 WITH MECHANICAL CONTRACTOR.
5. PROVIDE CONNECTION TO AUTOMATIC PLUMBING VALVES. THE LAVATORIES AND WATER CLOSETS SHALL BE ON SEPARATE POWER CONVERTERS. (POWER CONVERTER BY MECHANICAL CONTRACTOR). PROVIDE SWITCH ABOVE CEILING TO EACH POWER CONVERTER AS DISCONNECTING MEANS. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.
6. PROVIDE GFCI RECEPTACLE IN ELEVATOR PIT FOR SUMP PUMP CONTROL PANEL.
7. PROVIDE RECEPTACLE FOR IRRIGATION SYSTEM CONTROLS. INSTALL 1" SCHEDULE 80 SLEEVE FROM INSIDE ELECTRICAL TO EXTERIOR FOR IRRIGATION SYSTEM CABLING. COORDINATE EXACT LOCATION OF RECEPTACLE AND SLEEVE WITH GENERAL CONTRACTOR, AND LANDSCAPE CONTRACTOR PRIOR TO ROUGH–IN.
8. PROVIDE 120 VOLT CONNECTION FOR BUILDING AUTOMATION SYSTEM. COORDINATE EXACT LOCATION OF UNIT WITH GENERAL AND MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
9. PROVIDE 120V VOLT CONNECTION TO FIRE PROTECTION SYSTEM ALARM BELL. BELL SHALL BE PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.

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DEAN • GEDDIE • GRANT • OUBRE
P.O. Box 4685 Jackson, MS 39296 4400 Old Canton Rd. Suite 200 Highland Bluff Jackson, MS39211 (601) 939-7717
www.deandean.com

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Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court, Suite G, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.#15036.00

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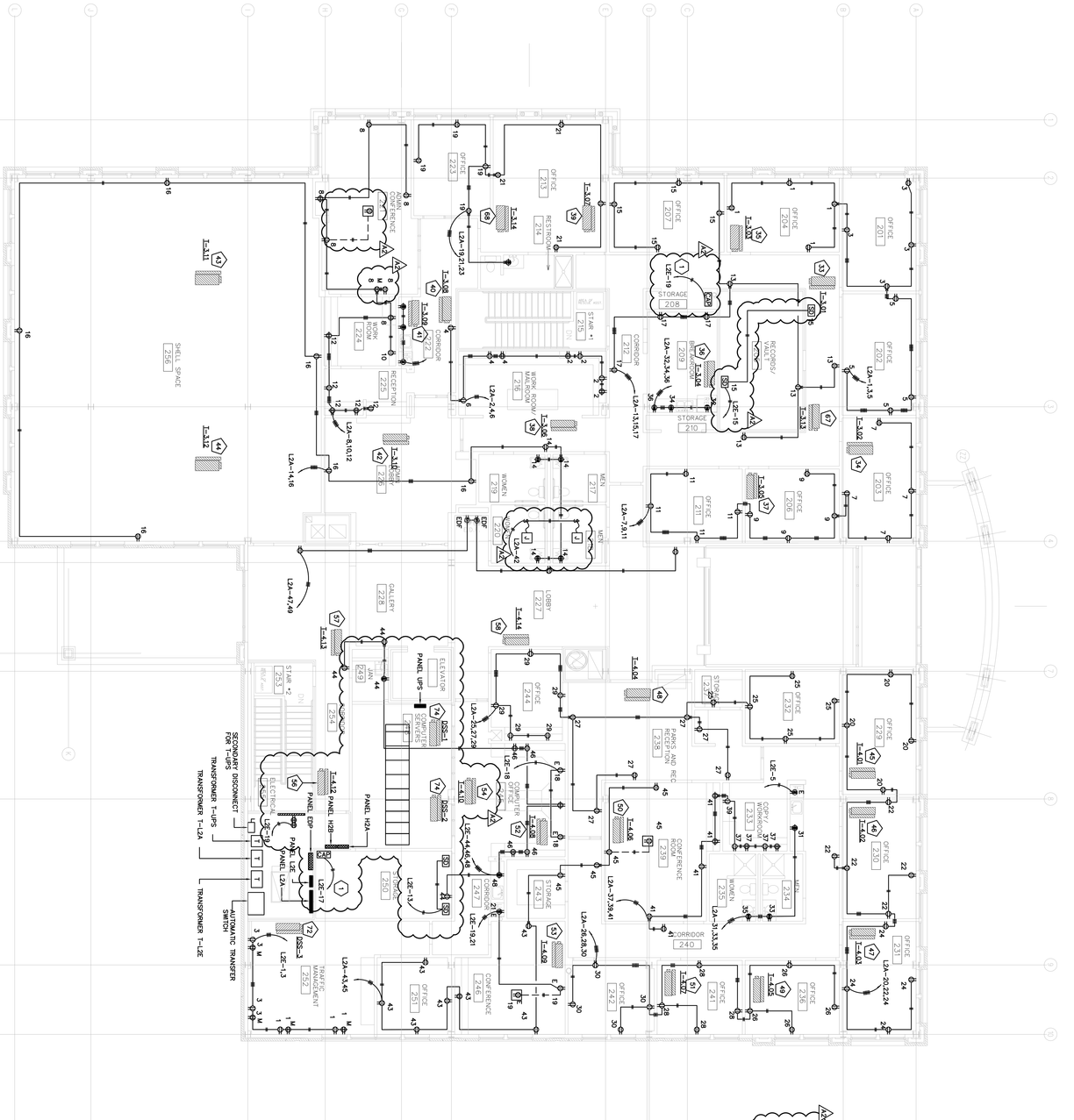
1/8" =1'-0" GRAPHIC SCALE
1/4" =1'-0" GRAPHIC SCALE
1/2" =1'-0" GRAPHIC SCALE
3/4" =1'-0" GRAPHIC SCALE
1" =1'-0" GRAPHIC SCALE
1 1/2" =1'-0" GRAPHIC SCALE
3" =1'-0" GRAPHIC SCALE



1 SECOND FLOOR PLAN – POWER
E3.2 SCALE: 1/8"=1'-0"

A2

KEYNOTES

1. PROVIDE CONNECTION TO CLEAN AGENT FIRE PROTECTION SYSTEM CONTROL PANEL. SEE SHEET E4.2 FOR ADDITIONAL REQUIREMENTS.

JON D. RICE
455
STATE OF MISSISSIPPI

Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court, Suite G, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.#15036.00

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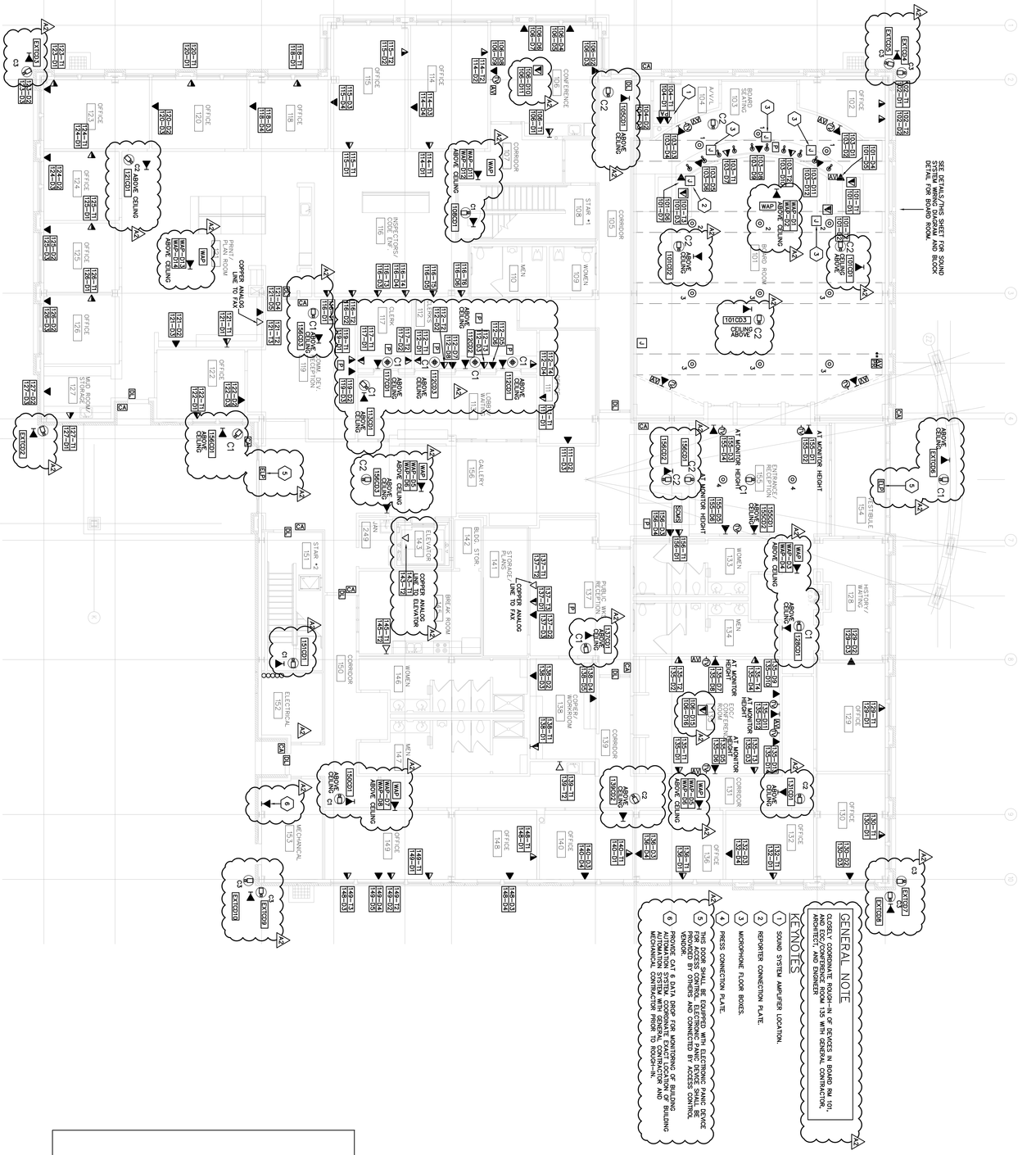

1 FIRST FLOOR PLAN – SYSTEMS
E4.1 SCALE: 1/8"=1'-0"

GENERAL NOTE

CLOSELY COORDINATE ROUGH-IN OF DEVICES IN BOARD RM 101, AND EOC/CONFERENCE ROOM 135 WITH GENERAL CONTRACTOR, ARCHITECT, AND ENGINEER

KEYNOTES

1. SOUND SYSTEM AMPLIFIER LOCATION.
2. REPORTER CONNECTION PLATE.
3. MICROPHONE FLOOR BOXES.
4. PRESS CONNECTION PLATE.
5. THIS DOOR SHALL BE EQUIPPED WITH ELECTRONIC PANIC DEVICE FOR ACCESS CONTROL. ELECTRONIC PANIC DEVICE SHALL BE PROVIDED BY OTHERS AND CONNECTED BY ACCESS CONTROL VENDOR.
6. PROVIDE CAT 6 DATA DROP FOR MONITORING OF BUILDING AUTOMATION SYSTEM. COORDINATE EXACT LOCATION OF BUILDING AUTOMATION SYSTEM WITH GENERAL CONTRACTOR AND MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

2 BOARD ROOM A/V CONDUIT LAYOUT
E4.1 SCALE: NOT TO SCALE

3 BOARD ROOM A/V SYSTEM BLOCK DIAGRAM
E4.1 SCALE: NOT TO SCALE

JON D. RICE
REGISTERED PROFESSIONAL ENGINEER
14455
STATE OF MISSISSIPPI

Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court, Suite G, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.#15036.00

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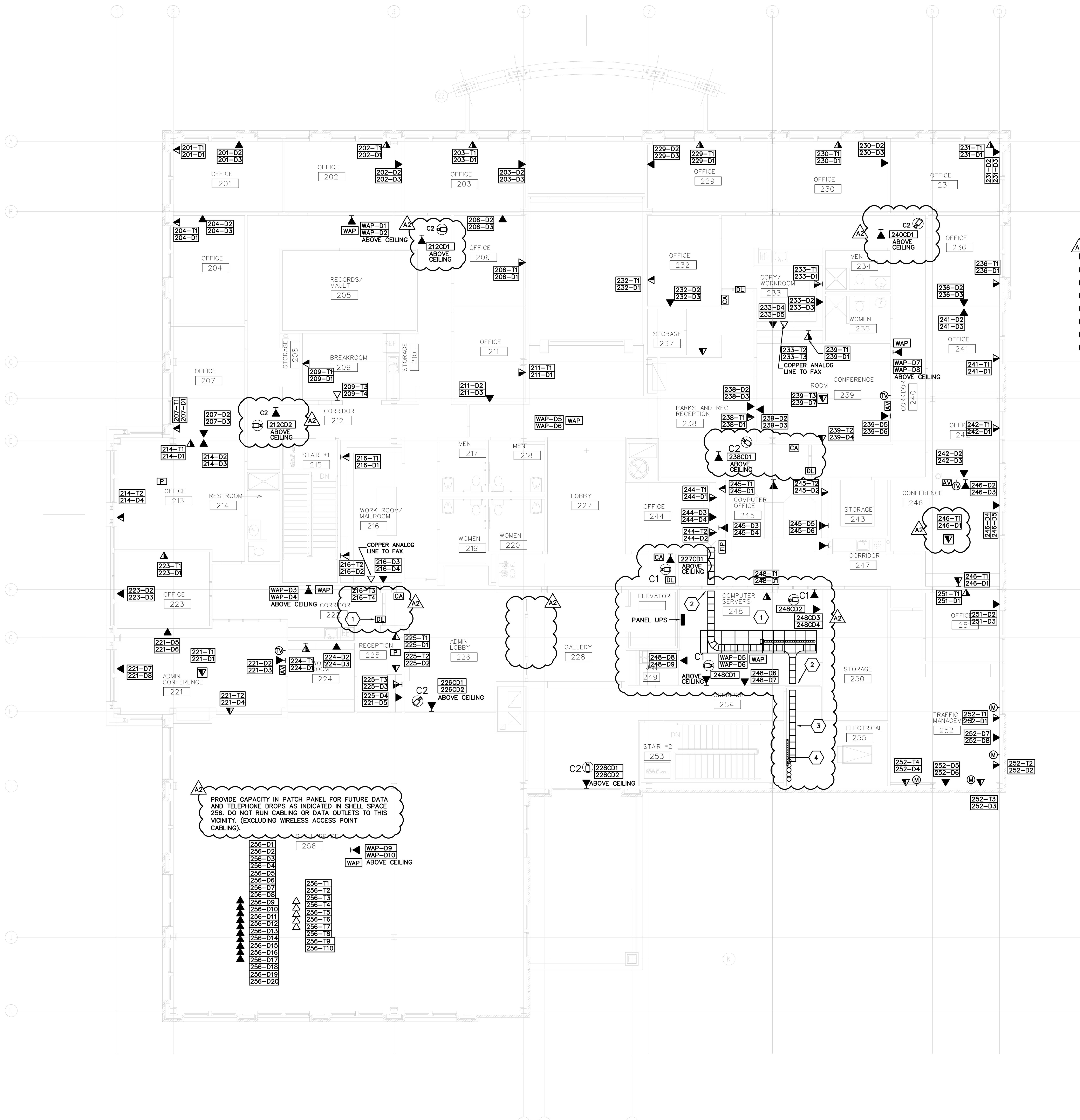

KEYNOTES

1. SEE UPS RISER DETAIL ON SHEET E0.6 FOR MORE INFORMATION REGARDING THE UPS/IT RACK.
2. CABLE TRAY SHALL NOT PASS THROUGH WALLS AROUND COMPUTER/SERVERS 248. PROVIDE FOUR 4" SLEEVES AND FIRECAULK OPENINGS AFTER ALL CABLING HAS BEEN INSTALLED.
3. CABLE TRAY SHALL BE 18"W X 4"D, BASKET TYPE CABLE TRAY, WITH CENTER HUNG SUPPORT. PROVIDE TEES AND OFFSETS AS REQUIRED.

1 / E4.2 SECOND FLOOR PLAN – SYSTEMS
SCALE: 1/8"=1'-0"

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RIDGELAND, MISSISSIPPI

JON D. RICE REGISTERED PROFESSIONAL ENGINEER 455 STATE OF MISSISSIPPI

Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court . Suite G . Flowood, MS . 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.#15036.00

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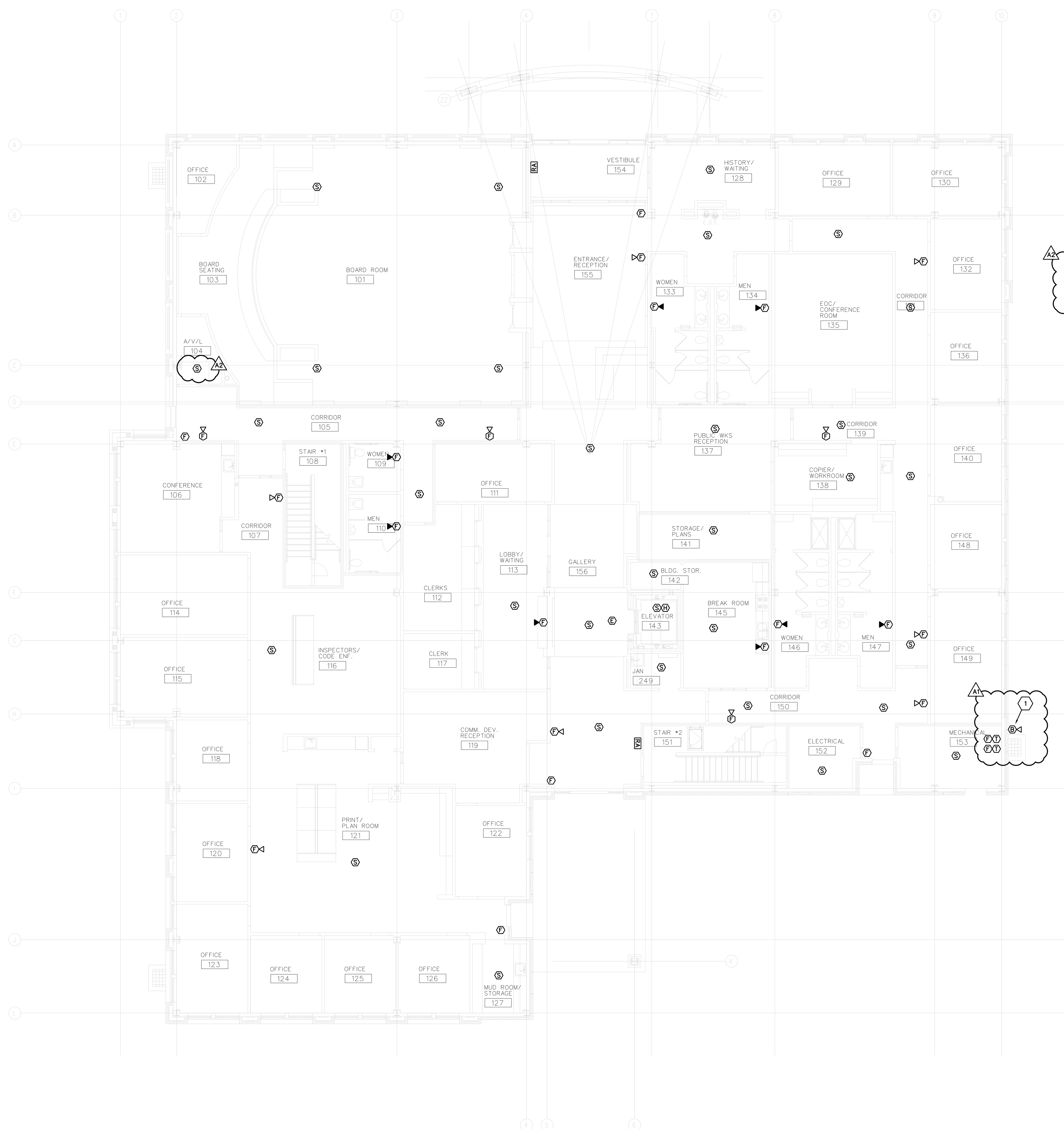

KEYNOTES

1. 120 VOLT FIRE PROTECTION RISER BELL AS INDICATED ON SHEET E3.1

1 / E5.1 FIRST FLOOR PLAN – FIRE ALARM
SCALE: 1/8"=1'-0"

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P.O. Box 4685 Jackson, MS 39296 4400 Old Canton Rd. Suite 200 Highland Bluff Jackson, MS39211 (601) 939-7717
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RIDGELAND, MISSISSIPPI

JON D. RICE
REGISTERED PROFESSIONAL ENGINEER
14455
STATE OF MISSISSIPPI

Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court . Suite G . Flowood, MS . 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ.#15036.00

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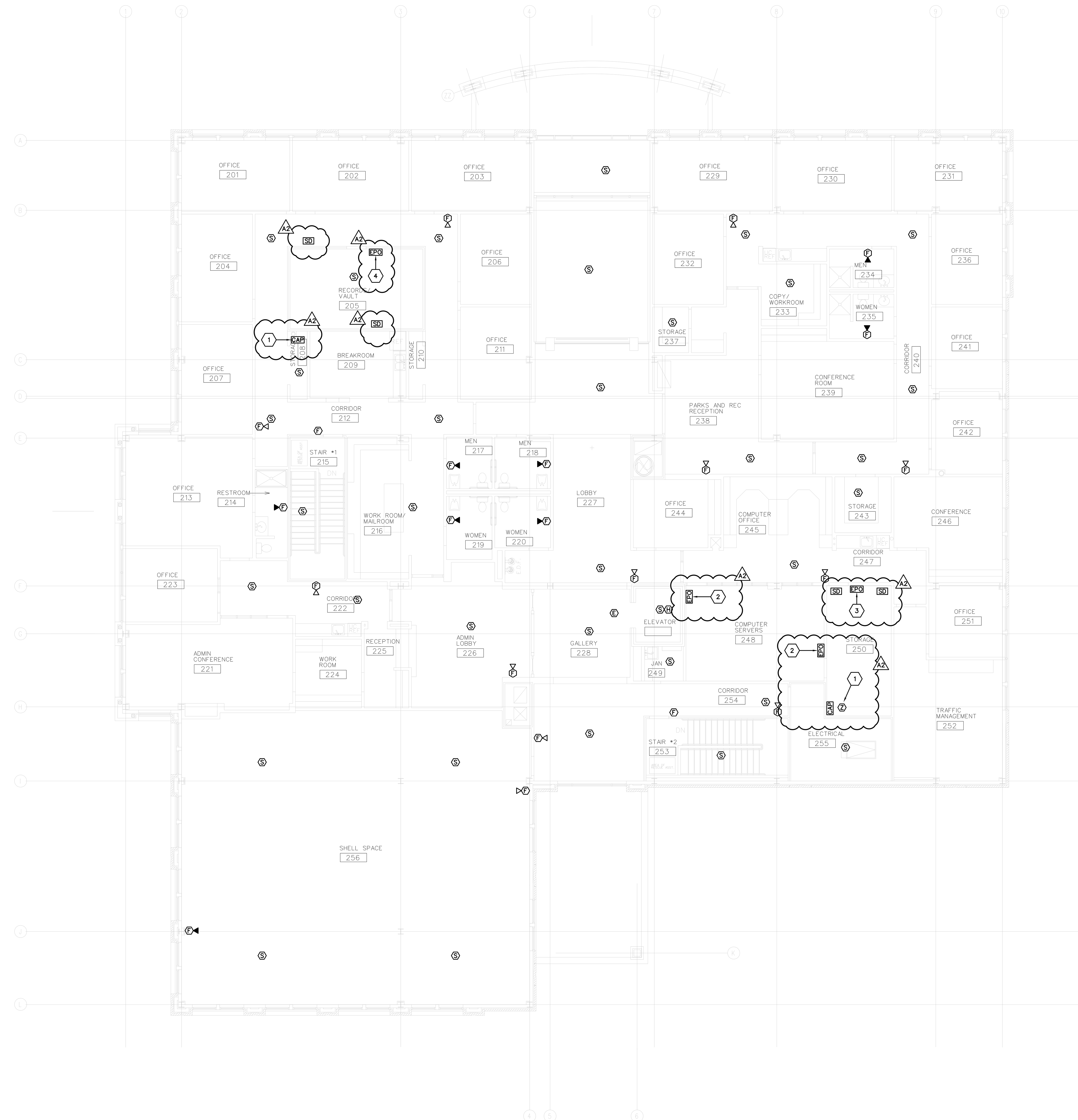

GENERAL NOTE

1. SEE ROOF PLAN FOR DUCT DETECTORS.
2. A CLEAN AGENT FIRE PROTECTION SYSTEM SHALL BE PROVIDED TO PROTECT ROOMS COMPUTER/SERVERS 248, STORAGE 250, AND RECORDS/VAULT 205. ELECTRICAL CONTRACTOR SHALL PROVIDE 120V POWER CONNECTION TO FIRE PROTECTION PANELS, ZONE ADDRESSABLE MODULES FOR MONITORING, AND EMERGENCY POWER OFF BUTTONS TO SHUT OFF AIR SYSTEMS SERVING THE ROOMS. THE CLEAN AGENT FIRE PROTECTION VENDOR AND CONTRACTOR WILL SUPPLY THE SMOKE DETECTORS AND OTHER NECESSARY DEVICES FOR THESE ROOMS. COORDINATE ALL CONNECTIONS WITH MECHANICAL CONTRACTOR AND GENERAL CONTRACTOR PRIOR TO INSTALLATION.

KEYNOTES

1. PROVIDE ZONE ADDRESSABLE MODULE FOR MONITORING OF CLEAN AGENT FIRE PROTECTION SYSTEM.
2. PROVIDE EMERGENCY POWER OFF BUTTON TO SHUNT TRIP AIR UNITS SERVING COMPUTER/SERVERS 248 AND CLOSE SMOKE DAMPERS SERVING STORAGE 250.
3. PROVIDE EMERGENCY POWER OFF BUTTON TO CLOSE SMOKE DAMPERS SERVING STORAGE 250.
4. PROVIDE EMERGENCY POWER OFF BUTTON TO CLOSE SMOKE DAMPERS SERVING RECORDS/VAULT 205

1 E5.2 SECOND FLOOR PLAN – FIRE ALARM
SCALE: 1/8"=1'-0"

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Electrical Engineering Consultants
5403 Castlewoods Court, Suite G, Flowood, MS 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ#15036.00

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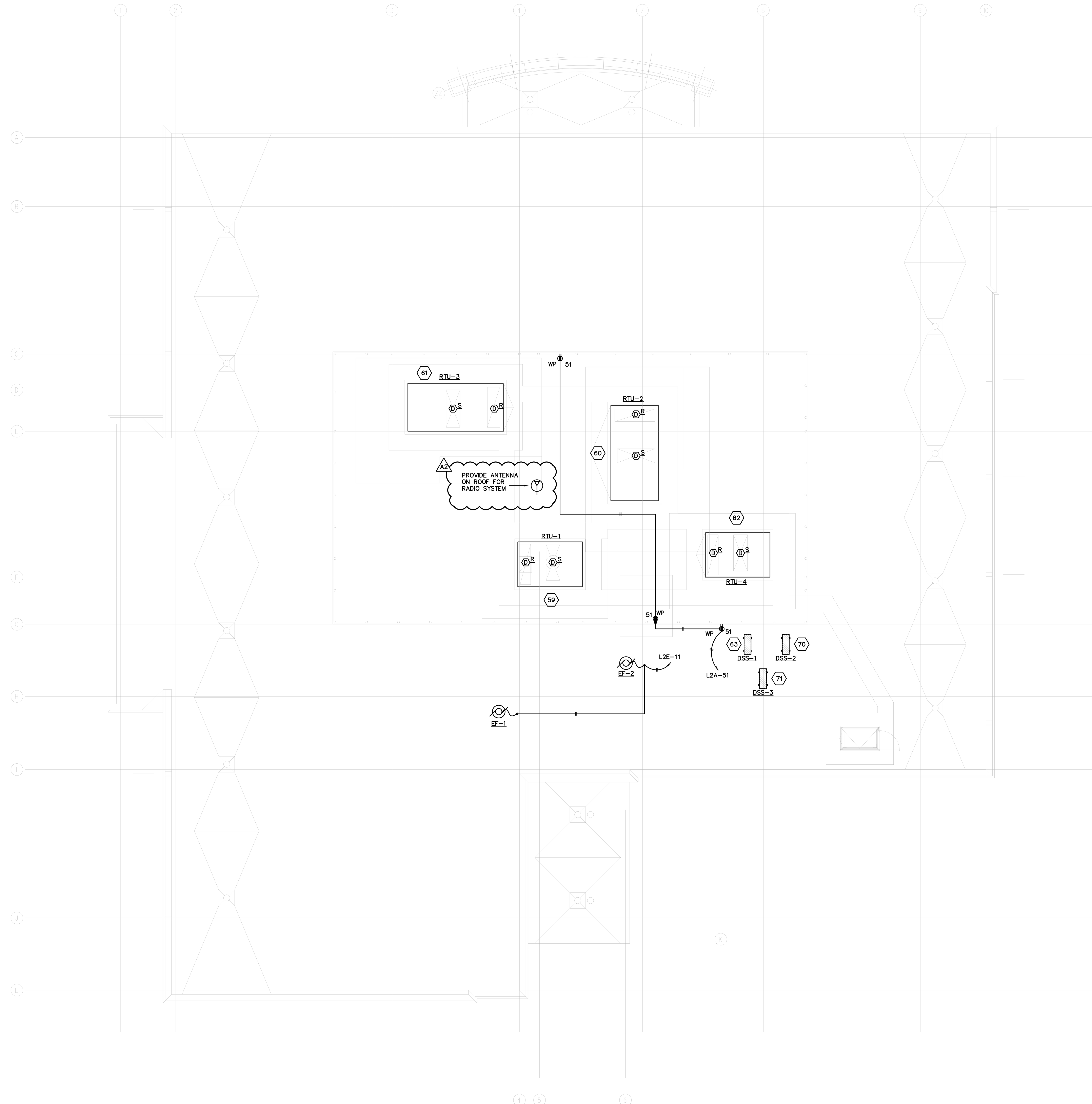

1 E6.1 ROOF PLAN – ELECTRICAL
SCALE: 1/8"=1'-0"

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DEAN • GEDDIE • GRANT • OUBRE
P.O. Box 4685 Jackson, MS 39296 4400 Old Canton Rd. Suite 200 Highland Bluff Jackson, MS39211 (601) 939-7717
www.deandean.com

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RIDGELAND, MISSISSIPPI

Jon D. Rice & Associates, LLC
Electrical Engineering Consultants
5403 Castlewoods Court, Suite G, Flowood, MS, 39232
Tel 601-919-8040 Fax 601-919-8060 PROJ#15036.00

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