

Lincoln County 911 Emergency Services

January 15, 2024

Subject: Request for Qualifications for Professional Consulting Services

Emergency Communications Consultant

Dear Potential Respondent:

Your firm is invited to submit statements of qualifications for the professional consulting services required for the emergency communications systems and tower for the new Lincoln County 911/EOC Center located in Troy, Missouri.

<u>Proposers shall submit three (3) hard copies and one (1) electronic copy of your qualifications</u>. Submissions will be accepted until 2:00 pm central time on February 2, 2024.

All questions and clarifications should be addressed in writing to Ray Hutsel, Owner Representative, ray@navigatebuildingsoltutions.com by 2:00 pm central time, January 26, 2024.

Submittals shall be no more than twenty $(8.5" \times 11")$ pages in total length (not including cover, table of contents, section dividers, resumes, or licenses). Double sided content counts as 2 pages. All pages must be sequentially numbered within each section. An identifiable tab sheet must precede each submission section. Include a detailed index for easy reference.

Statements of Qualifications will be accepted at:

Professional Consulting Services Qualifications Emergency Communications Consulting Services Lincoln County 911/EOC Center

C/O Lincoln County 911 Emergency Services 250 W. College St. Troy, Missouri 63379

Please review the attached for details regarding the Owner's expectations for qualifications. Thank you in advance for your interest in working with Lincoln County 911 Emergency Services.

Sincerely,
James Roberts, Executive Director
Lincoln County 911 Emergency Services

1. Introduction

Lincoln County 911 Emergency Services ("Owner or LCES") is currently seeking an emergency communications consultant ("Firm") to provide the professional consulting services to plan, design, specify the new emergency communications systems and tower for the new Lincoln County 911/EOC Center.

2. Background

The Firm will work with a team of Owner staff on the project, the Owner's Owner Representative, NAVIGATE Building Solutions (herein after NAVIGATE), and the Architect (and their consultants), JEMA, LLC (herein after JEMA). The Executive Director shall retain responsibility for the proper administration of the project. The team shall not be a public body empowered to exercise governmental or proprietary authority or perform a governmental or proprietary function. Therefore, meetings shall not be open to the public.

Project Location

The new Lincoln County 911/EOC Center will be located at 911 Professional Parkway, Troy, Mo 63379. The 3.45 acre site is located at the corner of Lincoln Drive and Professional Parkway.

Project Description and Schedule

The scope of work includes the planning, design, and specification of the emergency communications systems and tower for the new 16,000 SF, 911 Dispatch Center, Emergency Operations Center, Emergency Management tenant space, and miscellaneous support spaces.

Lincoln county 911 Dispatch is comprised of 12 repeater sites for all Fire, EMS, and Law enforcement. Along with having the capability of dispatch agencies outside the county witch their districts overlap into Lincoln County as well. LCES operates on 12 repeater sites which include both P25 as well as VHF analog frequencies along with VHF over UHF repeater sites, Lincoln County 911 is also equipped to dispatch through MOSWIN (Missouri State Interoperability Network) for all of Lincoln County. Resources attached to Via the Zetron Max CAD system, and automated alert is sent out Via internet to active 911, reaching mobile handheld electronic devices. all other fire, EMS, and Law Enforcement operate on an VHF analog. Most also have the capability of using MOSWIN as well.

LCES control station operates using 24 Kenwood tk-5720 P25/Analog and trunking capable transceivers for communicating with Fire, EMS, and Law Enforcement VIA both P25 conventional as well as analog. LCES is also able to communicate statewide using MOSWIN (Missouri State Interoperability Network) MOSWIN is a P25 trunking system comprised of 84 tower sites located all around the state using both VHF as well as 700/800 MHZ used primarily by units who often travel out of the county on official duty. The future plan is to move to a 5-6 channel simul cast system for Fire and EMS.

Final design of the new facility is currently underway by the project team. The schematic design phase has just be concluded and the design development phase just started.

The following is an anticipated Schedule Milestones for the project that will be confirmed with the awarded firm:

Anticipated Project Schedule

1/15/24 Issue Professional Services RFQ

2/2/24 Receive RFQ Responses 2/5/24 – 2/9/24 Evaluate/Score Responses

Week of 2/5/24 Potential Consultant Interviews/Presentations 2/9/24 Finalize Recommendation to Owner for Award

2/15/24 Board Approval

2/16 – 2/23/24 Final proposal/contract
 Feb - March 2024 Design Development Phase
 March – June 2024 Construction Documents Phase

June – July 2024 Procurement Phase
August 2024 Target Construction Start
November 2025 Construction Completion
December 2025 Owner Occupy New Facility

The Emergency Communications Consultant must begin work immediately upon execution of a contract and begin to work with the project team.

3. Scope of Services

The owner intends to engage a firm to provide emergency communications services for the Lincoln County 911/EOC Center. See Section 6 for additional information that is available for preparing your proposal.

As a condition to the contract award, the selected firm is required to enter into an agreement with the Owner for performance of the services defined herein.

The selected firm will be required to schedule and coordinate all work with NAVIGATE, JEMA, and Jim Johnson, LCES Interoperability Manager.

Interested firms and all representatives thereof are prohibited from contacting any elected officials while such elected official is acting on behalf of Owner until after a final selection has been made by the Lincoln County Emergency Services Board.

The following paragraphs provide the expected scope of work. In order to provide a complete work product, the Firm may expand on this scope as determined necessary by the Owner.

3.1 Services to be included

- Provide radio tower and emergency communications systems planning, design and specification development, and procurement process support. Alternative services may include construction and relocation/implementation oversight services.
- Work with the Project Team to finalize the site and building designs required for the new emergency communications systems and tower, including but not limited to the site, building, radio equipment room, and equipment, 911 Dispatch room and console requirements, and mechanical, electrical, grounding systems, and emergency backup systems.
- 3. Existing needs assessment and identification of the owner's existing systems, equipment, and tower. Review existing owner information and conduct onsite review to gather additional data and information on the existing radio systems, supporting antenna systems and tower.
- 4. Review and provide comments to the owner's existing coverage and connectivity information.
- 5. Review and recommend final location of the tower on the site.
- 6. Provide conceptual tower design that provides mounting locations for all antenna systems. Conceptual tower design to take into account current and future needs.
- Provide final design and specifications for the new tower, tower foundation requirements, tower cable pathway to the building, tower cabling, antennas and equipment on the tower, tower permitting and licensing, and tower equipment in the building.
- 8. Provide final design for the radio equipment room, racks, and equipment.
- 9. Radios, radio dispatch consoles, logging and recording, equipment.
- 10. Distributed antenna system for life safety and cell phones.
- 11. Attend design phase meetings.
- 12. Attend Board Meeting presentation.
- 13. Licensing review existing radio and tower FCC licenses and determine/make recommendations for new or revised licensing.
- 14. Public Agency Interface and Approvals including P&Z Board Review application, submissions, and attendance, if required.
- 15. Assist with preparation of the Relocation and Start-up Plan.
- 16. Provide conceptual and final cost estimates for the emergency communications systems and tower.
- 17. Provide Procurement support including assisting with answering vendor questions, preparing addenda, and review of the final proposals.
- 18. Provide Construction review and observation reports.
- 19. Provide final testing and validation services
- 20. Provide relocation, moving, and start-up oversight services.
- 21. Any further recommended services by your firm should be part of this scope.

3.2 Services NOT Required:

1. Dispatch consoles/workstations designed and specified by others.

3.3 Owner is providing:

- 1. Owner Representative Services through NAVIGATE
- 2. Architectural and Engineering Services through JEMA.

4. Qualification Submittal Requirements

Submittals should be specific and with adequate detail to accurately define your firm and its ability to provide professional services for the proposed scope of work.

Submittals should include a Cover Letter that briefly states the understanding of the work to be performed, and a statement as to why the company believes it is best qualified to perform the services. The cover letter should also include the name(s) of the person(s) authorized to represent proposer, title, address, email address, and phone number.

Particularly, include in the submittal and discuss the following elements:

4.1 General Information and Firm Structure

Provide a company profile including a brief history of the firm. Include an organizational chart for your firm. Show sub consultants, if any, to be used on the project and identify the sub consultant's area of responsibility and relationship to your firm. Provide a table listing the projects your firm has completed with each sub consultant. Provide the following information on the lead firm:

- Date, State, and type of business organization
- Federal and State tax ID numbers
- Names of Owners, Principals and/or Officers
- Civil or criminal claims, judgements, or suits within the last ten (10) years
- Evidence of the firm's financial wherewithal to complete the project
- The name, title, email address, mailing address and telephone number of the officer authorized to represent the firm

4.2 Relevant Firm Project Experience

Include a summary of the firm's experience and qualifications with emergency communications systems and towers for 911 Dispatch and Emergency Operations Facilities. Provide dates, description, size, cost, locations, key personnel, and references. Emphasis should be given to projects performed from the local area office using staff nominated as available for this project. Identify additional subconsultant's, if any, emergency communications and tower experience on 911 Dispatch and Emergency Operations Facility expertise in a clearly identified and separate list (again include dates,

description, size, cost, locations, key personnel involved and references.) If proposed staff have experience prior to joining these firms, do not include that experience here.

4.3 Key Personnel Qualifications & Relevant Staff Project Experience

Provide a staffing proposal with includes the names and resumes of the staff (including sub consultants, if any) to be committed to the project. ONLY include resumes for staff that will have a <u>specific and key role</u> on this project. For each of the key personnel identify years in industry, education, years with your firm (or sub consultant firm), their expected areas of responsibility, a list of previous experience on similar projects, licenses/registrations, and the office location where they reside.

Describe the workload and ability of the proposed staff to competently and expeditiously provide the consulting services required.

Describe your firm's contingency plan to respond with appropriate back-up staff in the case of death, disability, illness, or separation.

4.4 Project Understanding/Approach

Describe your understanding of the project and approach to delivering the Consulting Services requested, in a timely manner and within the project scheduling requirements.

Demonstrate unique capabilities, innovative approaches, technical skills and systems, or methodologies proposed to accomplish the work efficiently and to a high standard.

Please identify regulatory submissions/review times and anything required of the Owner to facilitate your timely completion.

4.5 References

Provide references for the immediate past five (5) clients (please list in order based upon contract date) that have utilized your firm's services.

4.6 Proximity and Familiarity

List your firm's specific experience interacting with the local agencies that will be involved with this project. List projects conducted in the City of Troy, Missouri city limits and Lincoln County, Missouri, if any, which may add to your knowledge, capability, and efficiency on this project. Clearly identify the office location for each individual proposed for this project from both the lead firm and subconsultants.

5. Selection Process and Criteria

5.1 Selection Schedule

It is the intent of the Lincoln County 911 Emergency Services to adhere to the schedule included in Section 2, however, should the schedule change, respondents will be notified.

5.2 Evaluation Criteria

A Selection Committee will review and evaluate the qualifications of each firm.

The evaluation will be based on information provided related to the selection criteria listed as follows:

1.	General Information/Firm Structure	(rating	X 10%)
2.	Relevant Experience – Firm	(rating	_X 25%)
3.	Relevant Experience – Key Staff	(rating	X 25%)
4.	Project Understanding/Approach	(rating	_X 20%)
5.	References	(rating	X 10%)
6.	Proximity and Familiarity	(rating	X 10%)

Each of the criteria above will be rated 5 (excellent) to 0 (poor or non-responsive) and weighted by the number in parenthesis for each above. Final rating will be the total of each rating value for 1 through 9.

5.3 Interviews

Upon review of all responsive Statement of Qualification's using the criteria outlined above, the Owner <u>may conduct firm interviews</u>. Firms may be selected for interviews or questioned for clarification by the Selection Committee; however, the Owner may choose to proceed without interviewing any respondents.

5.4 Selection:

The Owner will evaluate and rank response to the Request for Qualification based on the established selection process and criteria. Upon final ranking of the firms, recommendation and approval by the Board, contract negotiations will proceed with the selected firm to determine the final scope of services and costs. Final contract award will be contingent on successful negotiation of contract terms based on the information provided. If a contract cannot be successfully negotiated with the selected firm at a price determined to be fair and reasonable, the Owner reserves the right to negotiate with another proposer.

6. Miscellaneous Information

- 6.1 Nothing contained herein will create any contractual relationship between the Owner and the firm submitting a proposal. Statements contained in the response of the successful firm may become part of the agreement for services.
- 6.2 Information received from each firm will become the property of the Owner.
- Owner reserves the right to approve all assigned personnel and may require the firm to replace members of the project team as deemed necessary.
- The owner, Principal, or Corporate Officer of the responding firm shall sign the response to the Request for Qualifications attesting that all the information provided is true.
- The Owner reserves the right to accept or reject any or all Qualifications and to waive any irregularities.
- The Owner is not responsible for any costs incurred by any firm for any work performed relative to the preparation of the Response to this Request for Qualifications or subsequent negotiations of a contract for professional services.
- As part of your cover letter, provide name, address, telephone and fax number, and e-mail address of the firm responding to this Request for Qualifications. Please designate a single representative or prime contact through whom the Owner may communicate at the firm.
- The selected firm shall agree to indemnify and defend and hold harmless the Owner, together with its employees, agents, and authorized representatives, from and against any and all losses, suits, actions, legal or administrative proceedings, claims, demands, damages, liabilities, interest, reasonable attorney fees, costs and expenses of whatsoever kind or nature whether arising before or after completion of the work and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part, by reason of any action, omission, fault or negligence whether active or passive of firm, or of anyone acting under its direction or control or on its behalf in connection with or incidents to the performance of the Contract. Firm's indemnity and hold harmless obligations shall apply to the fullest extent permitted by law.
- **6.9** If selected the firm shall agree provide insurance with the coverage stated below:
 - (a) Commercial general liability insurance: Including Death and coverage for Premises,
 Operations Products and Completed Operations, Contractual Liability, Broad Form Property
 Damage, Independent Contractors. Such coverage shall apply to Bodily Injury and Property
 Damage on an "Occurrence Form Basis" with limits of Three Million Dollars (\$3,000,000) for all

claims arising out of a single accident or occurrence and One Million Dollars (\$1,000,000) for any one person in a single accident or occurrence.

- (b) Workers compensation insurance: Statutory coverage per RSMo. 287.010 et seq
- (c) Automobile Liability Insurance: Covering Death, Bodily Injury and Property Damage for owned, non-owned and hired vehicles with limits of Three Million Dollars (\$3,000,000) for all claims arising out of a single accident or occurrence and One Million Dollars (\$1,000,000) for any one person in a single accident or occurrence.
- (d) Professional liability insurance coverage in the amount of One Million Dollars (\$1,000,000) for each claim.

All insurance policies shall be primary policies with bona fide insurer maintaining at a minimum an "A" rating. CGL policy shall name Owner and related parties as additional insureds. The policies shall provide that the insurance companies shall notify Owner at least thirty (30) days in advance of the effective date of any modification or termination of the policy. The firm shall provide Owner, prior to execution of an Agreement and upon its request from time to time, proof of insurance evidencing the coverage above issued by insurance companies authorized to conduct business under the laws of the State of Missouri.

6.10 FWAP Documentation

Firm has provided to the Owner, or will provide to the Owner, no later the execution of the final agreement, all documentation and required affidavits that the firm has enrolled in, and participates in, a Federal Work Authorization Program, as required by Section 285.530 Missouri Revised Statutes with respect to employees working in connection with the contracted services. Firm shall also sign an affidavit affirming that it does not knowingly employ any person who is an unauthorized alien in connection with the contracted services.

6.11 Selected Schematic Design Documents are attached for your reference and use in preparing your submission.

AFFIDAVIT OF COMPLIANCE WITH SECTION 285.500 RSMo et seq.

(REQUIRED FOR CONTRACTS FOR PROVISION OF SERVICES IN EXCESS OF \$5,000)

(REQUIRED FOR CONTRACTS FOR PROVISIC	IN OF SERVICES IN EXCESS OF \$5,000)
STATE OF	
COUNTY OF)	
Before me, the undersigned Notary Public,	(Name) personally
appeared who is(Title) of _	(company name)
and after being sworn did depose and say:	
(1) that said company is enrolled in and participates it to the employees working in connection with the con(2) that said company does not knowingly employ an with the contracted services.	tracted services; and
The terms used in this affidavit shall have the meaning set for	rth in Section 285.500 RSMo, et seq.
Documentation of participation in a federal work authori	zation program is attached to this affidavit.
Signature (Person with Authority)	Printed Name
Title	Date
Subscribed and sworn to before me this day of	(Month, Year).
My commission expires:	



	DRAWING INDEX				
Sheet Number	Sheet Name		Current Revision	Current Revision Description	
A000	COVER SHEET				
SD1.0	TITLE SHEET				
SD2.0	SITE PLAN				
A005	EXTERIOR WALL AND ROOF TYPES				
A004	LIFE SAFETY PLAN & INFO				
A100	ARCHITECTURAL SITE PLAN				
A101	OVERALL FLOOR PLAN				
A102	FLOOR PLAN - MATCHLINE A				
A103	FLOOR PLAN - MATCHLINE B				
A104	ROOF PLAN				
A105	RCP				
A108	FINISH PLAN & LEGEND				
A109	FURNITURE, POWER & DATA				
A201	ELEVATIONS - EXTERIOR				
A301	SECTIONS - BUILDING				
A302	SECTIONS - TYPICAL WALL				
A303	SECTIONS - TYPICAL WALL				
A402	ELEVATIONS - INTERIOR				
A402.1	ELEVATIONS - STOREFRONT				
A602	DOOR AND WINDOW DETAILS				
M000	HVAC ZONING FLOOR PLAN				
E203	OVERALL EQUIPMENT POWER FLOOR PLAN				
E501	ELECTRICAL DETAILS				

AREA SCHEDULE (GROSS BUILDING)					
Level	Name	Area			
FIRST FLOOR	Area	15973 SF			
Grand total: 1		15973 SF			



LINCOLN COUNTY 911 DISPATCH JEMA Odd DDOCESCO: 5 - 5 -911 PROFESSIONAL PARKWAY, TROY, MO 63379



ARCHITECT
JEMA
2823 OLIVE ST.
ST. LOUIS, MO 63103
CONTACT: MICHAEL BARKOVIAK
T: 314.531.7400 x24
E: MBARKOVIAK@JEMASTL.COM

OWNER LINCOLN COUNTY EMERGENCY SERVICES 250 W COLLEGE ST

TROY, MO 63379 CONTACT: JAMES ROBERTS

CONTACT: PAUL BOYER

4835 MO - 109, SUITE 102 EUREKA, MISSOURI 63025

E: KDEGRUIRE@DG2DESIGN.COI

800 S VANDEVENTER AVE ST. LOUIS, MO 63110

CONTACT: STEPHANIE SPANN E: SSPANN@DAVIDMASON.COM MEP ENGINEER HORNER & SHIFRIN

800 S VANDEVENTER AVE

ST. LOUIS, MO 63110 CONTACT: RICK HALTEMAN E: RWHALTEMAN@HORNERSHIFRIN.COM

3101 S HANLEY RD ST. LOUIS, MO 63110 CONTACT: RYAN WALSH E: RYAN.WALSH@FAITHGROUPLLC.COM

FOR CONSTRUCTION

OFESSIONAL F TROY, MO 633

SCHEMATIC DESIGN

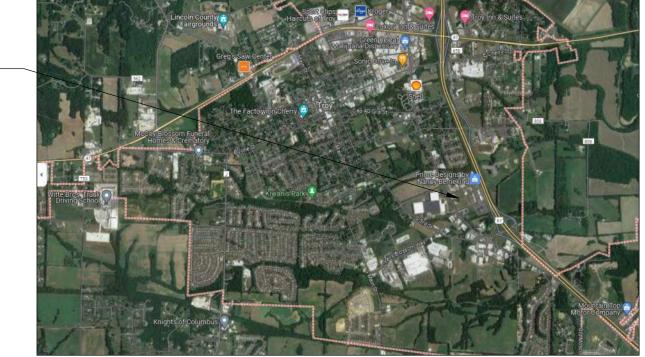
DESCRIPTION

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COVER SHEET







CODE INFORMATION

CITY OF ST. LOUIS FIRE DEPARTMENT: ST. LOUIS FIRE DEPARTMENT 2015 International Building Code 2015 International Fuel Gas Code 2015 International Energy Conservation Code 2015 International Mechanical Code 2015 International Plumbing Code

2018 INTERNATIONAL EXISTING BUILDING CODE, ORDINANCE 70797 **ACCESSIBILITY:** AMERICANS WITH DISABILITIES ACT

2014 National Electrical Code2018 INTERNATIONAL BUILDING CODE, ORDINANCE 70794

ICC/ANSI A117.1, REFERENCED BY BUILDING CODE FIRE PREVENTION: 2018 INTERNATIONAL FIRE CODE, ORDINANCE 70796 [ADOPTED: 08-01-18] 2018 INTERNATIONAL MECHANICAL CODE, ORDINANCE 70800 [ADOPTED: 08-01-18] MECHANICAL: **ELECTRICAL**: 2017 NATIONAL ELECTRICAL CODE, ORDINANCE 68831 [ADOPTED: 07-06-17]

<u>PLUMBING:</u> **SCOPE OF WORK** 2009 UNIFORM PLUMBING CODE, ORDINANCE 69255 [ADOPTED: 10-19-12] ENERGY: ANICAL, PLUMBIN 2018 INTERNATIONAL ENERGY CONSERVATION CODE, ORDINANCE 70799 [ADOPTED: 08-01-18] ED AND SUBMITTED UNDER A SEPARATE SET OF DOCUMENTS AND PERMIT APPLICATION BY THE CONTRACTOR. (MEP/FP) ZONING DISTRICT: WN ON ARCHITECTURAL DRAWINGS IS FOR INFORMATIONAL PURPOSES ONLY.

PROJECT NAME: PROJECT ADDRESS: **DESCRIPTION OF WORK:**

USE GROUPS [IBC CHAPTER 3]:

PROPERTY ZONING: CURRENT PROPERTY ZONING: IS USE GROUP ACCEPTABLE FOR THIS ZONE?:

USE GROUP SEPARATION: • X HOUR RATED SEPARATION OF OCCUPANCY GROUPS X AND X [IBC TABLE 508.4] TYPES OF CONSTRUCTION AND DESCRIPTION:

DESCRIPTION OF CONSTRUCTION HERE

XX FEET [IBC TABLE 504.3] X STORIES ABOVE GRADE PLANE [IBC TABLE 504.4] TYPE XX, USE XX = XX FEET [IBC TABLE 504.3] X STORIES ABOVE GRADE PLANE [IBC TABLE 504.4]

XX'-X" FEET FROM GRADE TO TOP OF PARAPET, 1 STORIES ABOVE GRADE PLANE TOTAL

XX,000 SF PER FLOOR (SPRINKLERED, MAX 1 STORY ABOVE GRADE) [IBC TABLE 506.2]. XX,000 SF (SPRINKLERED, MAX 1 STORY ABOVE GRADE) [IBC TABLE 506.2]. TYPE XX, USE XX = ACTUAL AREA =

XX = XX,XXX SF MAIN LEVEL XX = XX,XXX SF AT LOWER LEVEL **FLOOR AREA RATIO** TOTAL LOT AREA = XXXX ACRES

XXXX SF

FIRE PARTITIONS:

TOTAL F.A.R. =

TOTAL FLOOR AREA =

ALLOWABLE AREA

• WALLS SEPARATING SLEEPING UNITS SHALL BE FIRE PARTITIONS [IBC 420.2, 708]. FIRE PARTITIONS SHALL HAVE A RATING OF NOT LESS THAN 1-HOUR. [IBC 708.3].

 CORRIDOR RATING REQUIRED IS 1 HOURS [IBC TABLE 1020.1]. SHAFT ENCLOSURES AND INTERIOR EXIT STAIRWAYS SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOURS WHERE CONNECTING LESS THAN 4 STORIES [IBC 713.4].

HORIZONTAL SEPARATION:

 HORIZONTAL ASSEMBLY SHALL NOT BE LESS THAN 1-HOUR FIRE-RESISTANCE RATED CONSTRUCTION. [IBC 711.2.4.3] • FLOOR ASSEMBLIES SEPARATING XX FROM XX REQUIRE 1-HOUR SEPARATION [IBC TABLE 508.4]

 THE XX OCCUPANCY IS REQUIRED TO BE FULLY SPRINKLERED [IBC 420.5, 903.2.6] • BUILDING TO HAVE AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH [IBC 903.3.1.1] & [IBC 903.3.2].

FIRE ALARM AND DETECTION SYSTEMS

FIRE DEPARTMENT CONNECTIONS (FDC) TO BE INSTALLED AS REQUIRED BY [IBC 912]

• AN APPROVED FIRE ALARM SYSTEM IS REQUIRED PER [IBC 420.6, 907.2] SMOKE DETECTION IN HABITABLE SPACES OF OCCUPANCY XX IS NOT REQUIRED IF BUILDING EQUIPPED WITH SPRINKLER SYSTEM IN ACCORDANCE WITH [IBC 903.3.1.1]

FIRE-RESISTANCE RATINGS:

II-B STRUCTURAL FRAME

II-B BEARING WALLS - EXT.

II-B BEARING WALLS - INT.

II-B FLOOR CONSTRUCTION

II-B ROOF CONSTRUCTION

II-B NON-BEARING WALLS - EXT. SEE BELOW

EAST WALL ALLOWED:

ACTUAL: X,XXXSF/120 = XX PERSONS

POWER LOSS [IBC 1013.6.3]

WEST WALL ALLOWED:

FIRE-RESISTANCE RATING BASED ON CONSTRUCTION TYPE [IBC TABLE 601]

NORTH WALL: XX' TO CENTER OF = X HR RATING REQUIRED. SOUTH WALL: XX" TO CENTER OF = X HR RATING REQUIRED.

EAST WALL: XX' TO CENTER OF = X HR RATING REQUIRED.

TOTAL OCCUPANT LOAD = XXX OCCUPANTS

(1) MEANS OF EGRESS IS PROVIDED FROM EACH SLEEPING UNIT.

SPACE IS OCCUPIED AT A MINIMUM OF 1 FOOTCANDLE [IBC 1008.2]

MAIN ENTRANCE AND ALL TENANT ENTRANCES ARE ACCESSIBLE [1105.1].

ACCESSIBLE PARKING SPACES SHALL COMPLY WITH [IBC TABLE 1106.1].

ACCESSIBLE SIGNAGE MUST COMPLY WITH [IBC 1111].

MAXIMUM EXIT ACCESS TRAVEL DISTANCE IS XX FEET [IBC TABLE 1017.2] DEAD END CORRIDORS NOT TO EXCEED XX FEET [IBC 1020.4, EXCEPTION 2]

NORTH WALL ALLOWED: XX% UNPROTECTED SOUTH WALL ALLOWED: XX% UNPROTECTED

PROTECTED OPENINGS FIRE WINDOW ASSEMBLIES [IBC 716.3]

OCCUPANT LOAD:
USE XX: 120 GROSS SF/PERSON [IBC TABLE 1004.5]

FIRE-RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DIST. [IBC TABLE 602]:

MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE [IBC TABLE 705.8]

XX% UNPROTECTED

XX% UNPROTECTED

WEST WALL: XX" TO LOT LINE = X HR RATING REQUIRED (RATED FROM BOTH SIDES) [IBC 705.5]

SINGLE EXIT ALLOWED FROM SPACES WITH I-1 (1) OCCUPANT LOAD OF 10 OR LESS [IBC TABLE 1006.2.1]

MINIMUM STAIRWAY WIDTH IS 36" FOR STAIRS SERVING FEWER THAN 50 OCCUPANTS [IBC 1011.1].

AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT EACH ACCESSIBLE STORY [IBC 1104.4].

THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED [IBC 1007.1.1, EXCEPTION 2].

MAXIMUM COMMON PATH OF TRAVEL DISTANCE XX FEET FOR XX AND 100 FEET FOR XX [IBC TABLE 1006.2.1]

THE SEPARATION DISTANCE BETWEEN EXIT DOORS SHALL BE NOT LESS THAN ONE-THIRD OF THE LENGTH OF

THE MEANS OF EGRESS SERVING A ROOM OR SPACE SHALL BE ILLUMINATED AT ALL TIMES THAT THE ROOM OR

WHERE 2 OR MORE MEANS OF EGRESS ARE REQUIRED, EMERGENCY POWER AND ILLUMINATION IS REQUIRED

EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES AND FOR A MINIMUM OF 90 MINUTES IN CASE OF PRIMARY

1 SLEEPING UNIT WILL BE ACCESSIBLE, AND THE REMAINING SLEEPING UNITS WILL BE TYPE B [IBC 1107.5.1].

V-B STRUCTURAL FRAME:

V-B BEARING WALLS - EXT.:

V-B BEARING WALLS - INT.:

V-B FLOOR CONSTRUCTION:

V-B ROOF CONSTRUCTION:

V-B NON-BEARING WALLS - EXT. SEE BELOW

FOR REFERENCE ONLY - NOT

12/4/2023

REVISIONS

SITE PLAN

LINCOLN COUNTY 911 / EOC CENTER

A PORTION OF FRACTIONAL SECTION 36, TOWNSHIP 49 NORTH, RANGE 1 WEST CITY OF TROY, LINCOLN COUNTY, MISSOURI

LEGEND

ABBREVIATIONS

EXISTING CONTOURS	433	N NORTH S SOUTH
PROPOSED CONTOURS	433	E EAST W WEST
EXISTING STORM SEWER	= = = = =	EX. EXISTING PR. PROPOSED
PROPOSED STORM SEWER	ST-ST-ST	CONC CONCRETE ASPH ASPHALT
EXISTING SANITARY SEWER	= = = =	PB PLAT BOOK DB DEED BOOK PG PAGE
PROPOSED SANITARY SEWER	——————————————————————————————————————	SF SQUARE FEET AC ACRES
RIGHT-OF-WAY		ELEV ELEVATION FF FINISH FLOOR
EASEMENT		FL FLOWLINE PVC POLYVINYL CHLORIDE PIPE
CENTERLINE		RCP REINFORCED CONCRETE PIPE STM STORM
EXISTING TREE	(12°)	SAN SANITARY (S) SAVE (R) REMOVE
EXISTING SPOT ELEVATION	× 433.28	(T.B.R.) TO BE REMOVED (U.I.P.) USE IN PLACE
PROPOSED SPOT ELEVATION	433.28	(0,111,7) 002 11(1) 21(02
SWALE	\	<u>SYMBOLS</u>
TO BE REMOVED	T.B.R.	WATER MANHOLE WMH
TO BE REMOVED & RELOCATED	T.B.R.& R,	TELEPHONE MANHOLE TMH

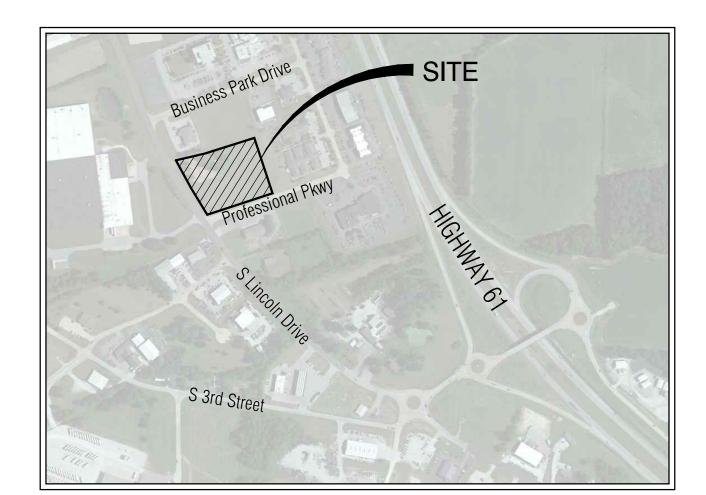
A.T.G.

F.C.

____w___w___

SYMBOLS	3
WATER MANHOLE	WMH
TELEPHONE MANHOLE	тмн 🔵
BRUSH & SHRUB LINE	\sim
BOLLARD SIGN	• -O-
ELECTRIC YARD LIGHT	Ä
BORING LOCATION	•
MAIL BOX	MB⊠
ELECTRIC BOX	EB⊠
CLEAN OUT	COO
GAS VALVE	GV▲
GAS METER	GM▲
GAS DRIP	GD ▲

SILTATION CONTROL	x
FIRE HYDRANT	×
POWER POLE	AN O
WATER VALVE	×
LIGHT STANDARD	\Diamond



LOCATION MAP

PROPERTY DATA

-			
OWNER		=	LINCOLN COUNTY EMERGENCY SERVICES
SITE ADDRES	S	=	466 S. LINCOLN DRIVE TROY, MISSOURI 63379
PARCEL ID		=	15-70-36-000-000-003.000
SITE ACREAG	Ε	=	151,738 S.F. ~ 3.48± AC
ZONING		=	C-1 "CENTRAL BUSINESS DISTRICT"
WATERSHED		=	CUIVRE RIVER via. WHITCOMB BRANCH

SCHOOL DISTRICT = TROY R-3

FIRE DISTRICT = LINCOLN COUNTY FIRE PROTECTION DISTRICT #1

FEMA MAP = 29113C0377D, eff. 9/29/2010

LEGAL DESCRIPTION

TO BE USED IN PLACE

UNDERGROUND TELEPHONE

UNDERGROUND ELECTRIC

ADJUST TO GRADE

BACK OF CURB

FACE OF CURB

OVERHEAD WIRE

WATER MAIN

GAS MAIN

A PORTION OF FRACTIONAL SECTION 36, TOWNSHIP 49 NORTH, RANGE 1 WEST, LINCOLN COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHEAST CORNER OF U.S. SURVEY 379, TOWNSHIP 49 NORTH, RANGE 1 WEST, LINCOLN COUNTY MISSOURI; THENCE S 67 DEG. 41'05'W 485.62' TO A 1/2 IRON ROD (SET) ON THE EAST LINE OF LINCOLN DRIVE; THENCE ALONG A 01 DEG. 30' 05" NONTANGENT CURVE TO THE LEFT, AN ARC DISTANCE OF 23.96', WITH A CHORD BEARING A DISTANCE OF S 28 DEG. 42' 50" E, 23.96' TO A 1/2 IRON ROD (SET), THE TRUE POINT OF BEGINNING, THENCE N 75 DEG 02' 20" E, 171.70' ALONG AN EXISTING FENCE LINE TO 1/2" IRON ROD (SET), THENCE N 70 DEG. 48' 00" E, 304.96' ALONG AN EXISTING FENCE LINE TO A 1/2 IRON ROD (SET); THENCE S 19 DEG. 47' 40" E 340.00' TO 1/2 IRON ROD(SET); THENCE S 70 DEG. 12' 20" W. 400.65' TO A 1/2 IRON ROD (SET) ON THE EAST LINE OF LINCOLN DRIVE; THENCE ALONG A 1 DEG. 30' 05" NONTANGENT CURVE TO THE RIGHT AN ARC DISTANCE OF 365.63 WITH A CHORD BEARING A DISTANCE OF N 31 DEG. 41' 50" W 365.49' TO THE TRUE POINT OF BEGINNING. SAID TRACT CONTAINING 3.5 ACRES, MORE OR LESS, AND IS A PORTION OF THE LAND DESCRIBED IN WARRANTY DEED BOOK 195, PAGE 163, RECORDS OF LINCOLN COUNTY, MISSOURI

UTILITIES/AGENCIES

ELECTRIC/GAS COMPANY: AMEREN UE WATER/SEWER SERVICE: CITY OF TROY 800 CAP AU GRIS STREET TROY, MISSOURI 63379

PH: 636-528-4712 ATTN: BUILDING DEPT. FIRE DISTRICT: LINCOLN COUNTY FIRE PHONE SERVICE: SPECTRUM

PROTECTION DISTRICT #1 700 E CHERRY STREET TROY, MISSOURI 63379 PH: 636-528-8567

FLOOD ZONE NOTES

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY LIES WITHIN UNSHADED ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) ACCORDING TO THE FLOOD INSURANCE RATE MAP PANEL NUMBER 29113C0377D, (CITY OF TROY, LINCOLN COUNTY MISSOURI) WHICH BEARS AN EFFECTIVE OF SEPTEMBER 29, 2010.

SITE BENCHMARK

NAVD88 ELEV. - 542.41' FTUS

"IRON PIPE" ALONG THE NORTH PROPERTY LINE OF SUBJECT PROPERTY BEING THE SOUTHEAST CORNER OF LOT 7 OF TROY BUSINESS PARK, AS SHOWN ON SURVEY.

SHEET INDEX

SD1.0 TITLE SHEET SD2.0 SITE PLAN

GENERAL NOTES

- 1.) ANY UTILITIES SHOWN HAVE BEEN LOCATED FROM RECORD DRAWINGS. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED. THE CONTRACTOR SHALL BE ON RECORD WITH THE MISSOURI ONE CALL SYSTEM. ALL PROPOSED UTILITIES SHALL BE UNDERGROUND.
- 2.) BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY MARLER SURVEYING COMPANY.
- 3.) ALL ON-SITE MATERIALS AND METHODS OF CONSTRUCTION TO MEET THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ST. TROY.
- 4.) ALL GRADED AREAS SHALL BE PROTECTED FROM EROSION BY EROSION CONTROL DEVICES AND/OR SEEDING AND MULCHING AS REQUIRED BY THE CITY OF TROY,
- 5.) PRIOR TO BEGINNING ANY WORK ON THE SITE, THE SUBCONTRACTOR SHALL CONTACT THE

GENERAL CONTRACTOR FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE SEQUENCING OF WORK.

- 6.) ALL FILLS AND BACKFILLS SHALL BE MADE OF SELECTED EARTH MATERIALS, FREE FROM BROKEN MASONRY, ROCK, FROZEN EARTH, RUBBISH, ORGANIC MATERIAL AND DEBRIS. ALL IMPORT SOILS
- TO BE PRE-APPROVED BY THE SOILS ENGINEER PRIOR TO IMPORT.
- 7.) CONTRACTOR SHALL KEEP EXISTING ROADWAYS CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- 8.) ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH THE CITY OF TROY.
- 9.) SIDEWALKS, CURB RAMPS, RAMPS AND ACCESSIBLE PARKING SPACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT APPROVED "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES" (ADAAG) ALONG WITH THE REQUIRED GRADES, CONSTRUCTION MATERIALS, SPECIFICATIONS AND SIGNAGE. IF ANY CONFLICT OCCURS BETWEEN THE ADAA GUIDELINES AND THE INFORMATION ON THE PLANS. THE ADAA GUIDELINES SHALL TAKE PRECEDENCE AND THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER PRIOR TO ANY CONSTRUCTION.
- 10.) NO GRADE SHALL EXCEED 3:1 SLOPE UNLESS APPROVED BY GEOTECHNICAL ENGINEER
- 11,) ALL LANDSCAPED AREAS TO BE FILLED WITH A MINIMUM OF 6" OF CLEAN TOPSOIL, TOPSOIL REQUIRED TO BE APPROVED BY THE SOILS ENGINEER PRIOR TO IMPORT AND PLACEMENT,
- 12.) ALL LANDSCAPED AREAS DISTURBED BY OFF-SITE WORK SHALL BE IMMEDIATELY SEEDED OR SODDED AS DIRECTED BY THE CITY OF TROY. CONTRACTOR SHALL REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL DETAILS.
- 13.) ADEQUATE TEMPORARY OFF-STREET PARKING FOR CONSTRUCTION EMPLOYEES SHALL BE PROVIDED. PARKING ON NON-SURFACED AREAS SHALL BE PROHIBITED IN ORDER TO ELIMINATE THE CONDITION WHEREBY MUD FROM CONSTRUCTION AND EMPLOYEES' VEHICLES IS TRACKED ONTO THE PAVEMENT CAUSING HAZARDOUS ROADWAY AND DRIVEWAY CONDITIONS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS CLEAN OF DEBRIS AT ALL TIMES.
- 14.) SAFETY NOTICE TO CONTRACTOR PRACTICES: THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 15.) ALL PUBLIC ROADS MUST BE KEPT CLEAR OF MUD AND DEBRIS AT ALL TIMES. FAILURE TO DO SO WILL BE CAUSE FOR THE CITY TO SUSPEND WORK.
- 16.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RAZING AND REMOVAL OF EXISTING STRUCTURES, INCLUDING FOUNDATIONS, RELATED UTILITIES, PAVING, UNDERGROUND FACILITIES AND ANY OTHER EXISTING IMPROVEMENTS.
- 17.) THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING ALL PHASES OF THE
- 18.) ALL WORK SHALL BE BE COORDINATED WITH THE OWNER'S GEOTECHNICAL TESTING AGENCY.
- 19.) THIS DEVELOPMENT SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH IN THE ORDINANCES BY

NOTE:

THE UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SOURCES AND THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE ACTUAL LOCATIONS OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THIS DRAWING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE LOCATED PRIOR TO GRADING OR CONSTRUCTION OF IMPROVEMENTS.

MISSOURI ONE CALL TICKET NUMBER 232273204

UTILITIES CONTACT BY MISSOURI ONE CALL WERE: AMEREN MISSOURI ELECTRIC, AMEREN MISSOURI GAS, BRIGHTSPEED, CHARTER COMMUNICATIONS, GATEWAY FIBER LLC, SOCKETT TELECOM, CITY OF TROY,





2823 OLIVE ST. ST. LOUIS, MO 63103 CONTACT: MICHAEL BARKOVIAK T: 314.531.7400 X24 E: mbarkoviak@jemastl.com

LINCOLN COUNTY 911 / EOC CENTER 250 W. COLLEGE STREET TROY, MO 63379 CONTACT:

GENERAL CONTRACTOR

CONTACT: TBD

Γ: TBD : TBD

PAUL K. BOYER, P.E. Missouri Registration No. E-28258 CEDC License No.: 2003004674

> DRIV 9 OUTH TROY,

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SD SET

REVISIONS NO. DATE DESCRIPTION

PROJECT NO.		ISSUED BY:
	2448	
ISSUED DATE:		

12/01/2023

Title Sheet

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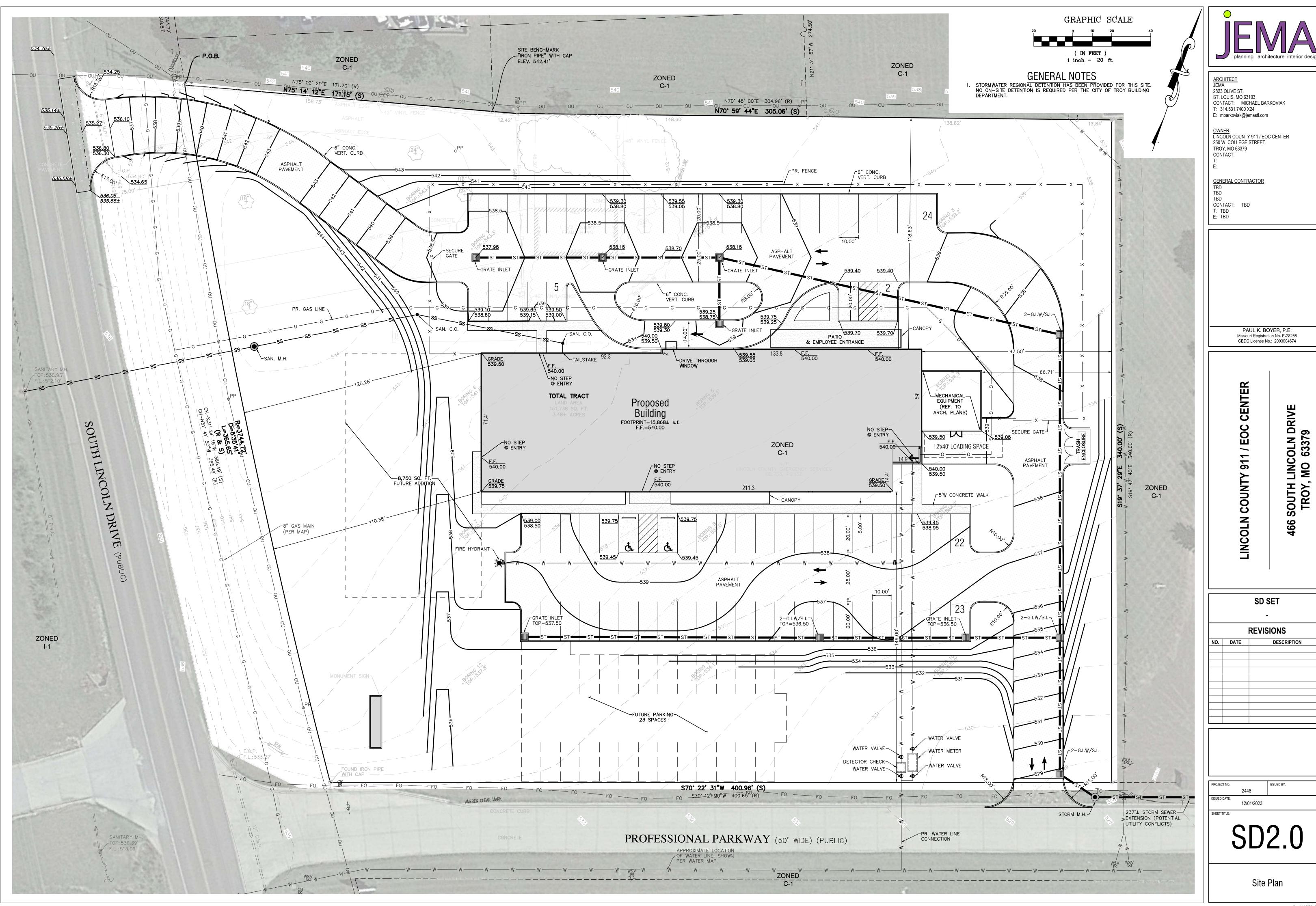
PREPARED BY:

2823 OLIVE STREET

PH. (314) 531-7400

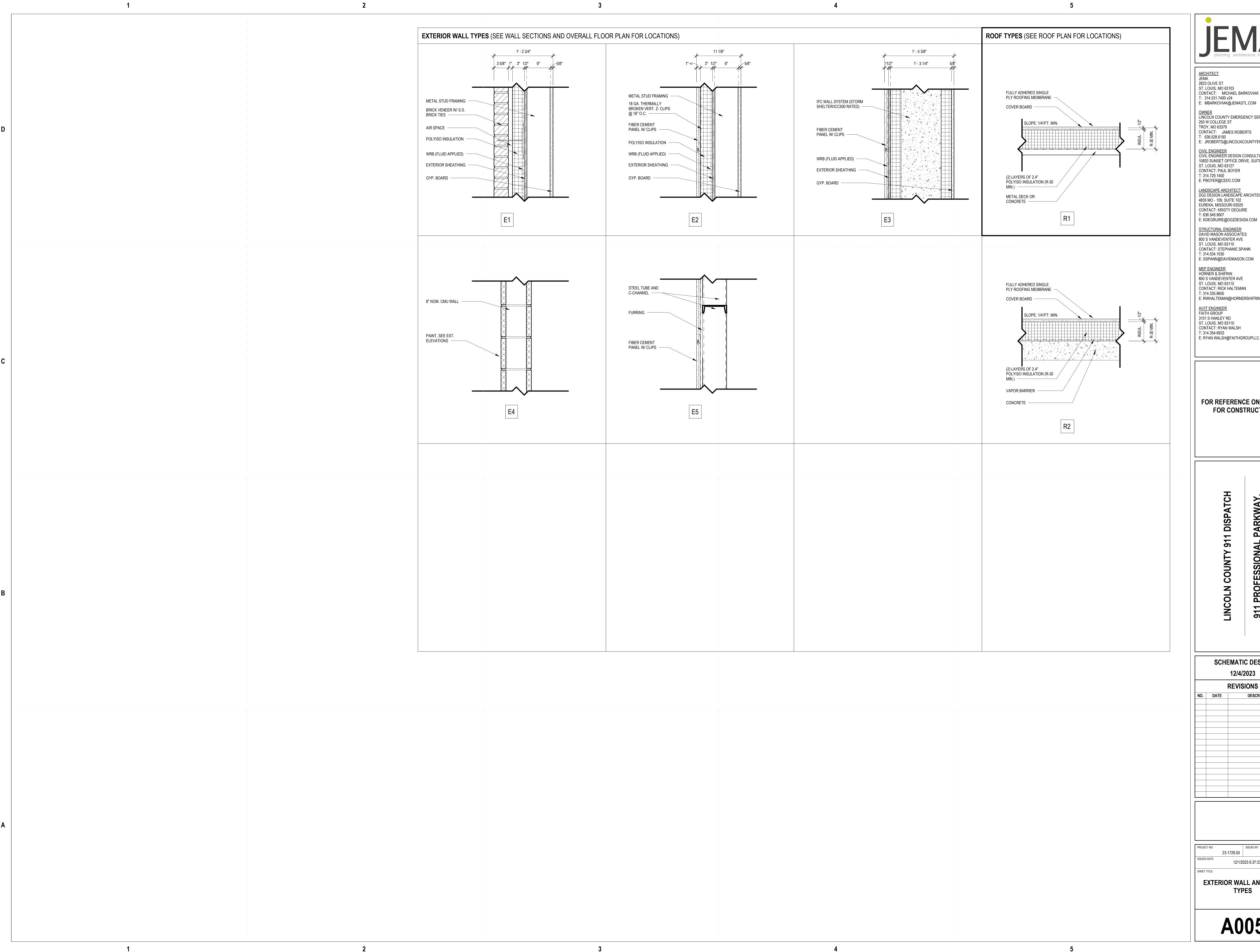
ST. LOUIS, MO 63103

PREPARED FOR:





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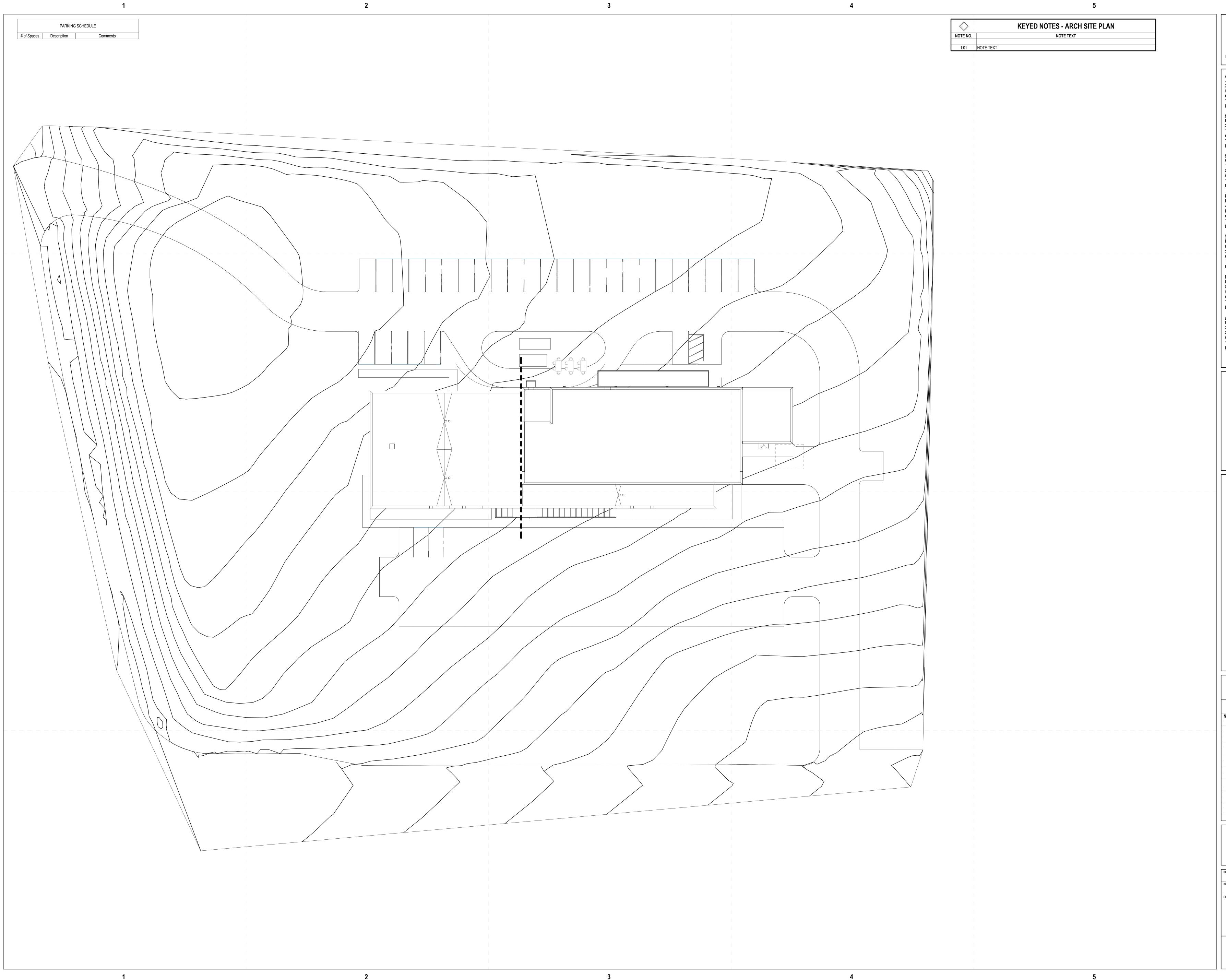
911 PROFESSIONAL PARKWAY, TROY, MO 63379

SCHEMATIC DESIGN 12/4/2023 **REVISIONS**

Ο.	DATE	DESCRIPTION

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EXTERIOR WALL AND ROOF



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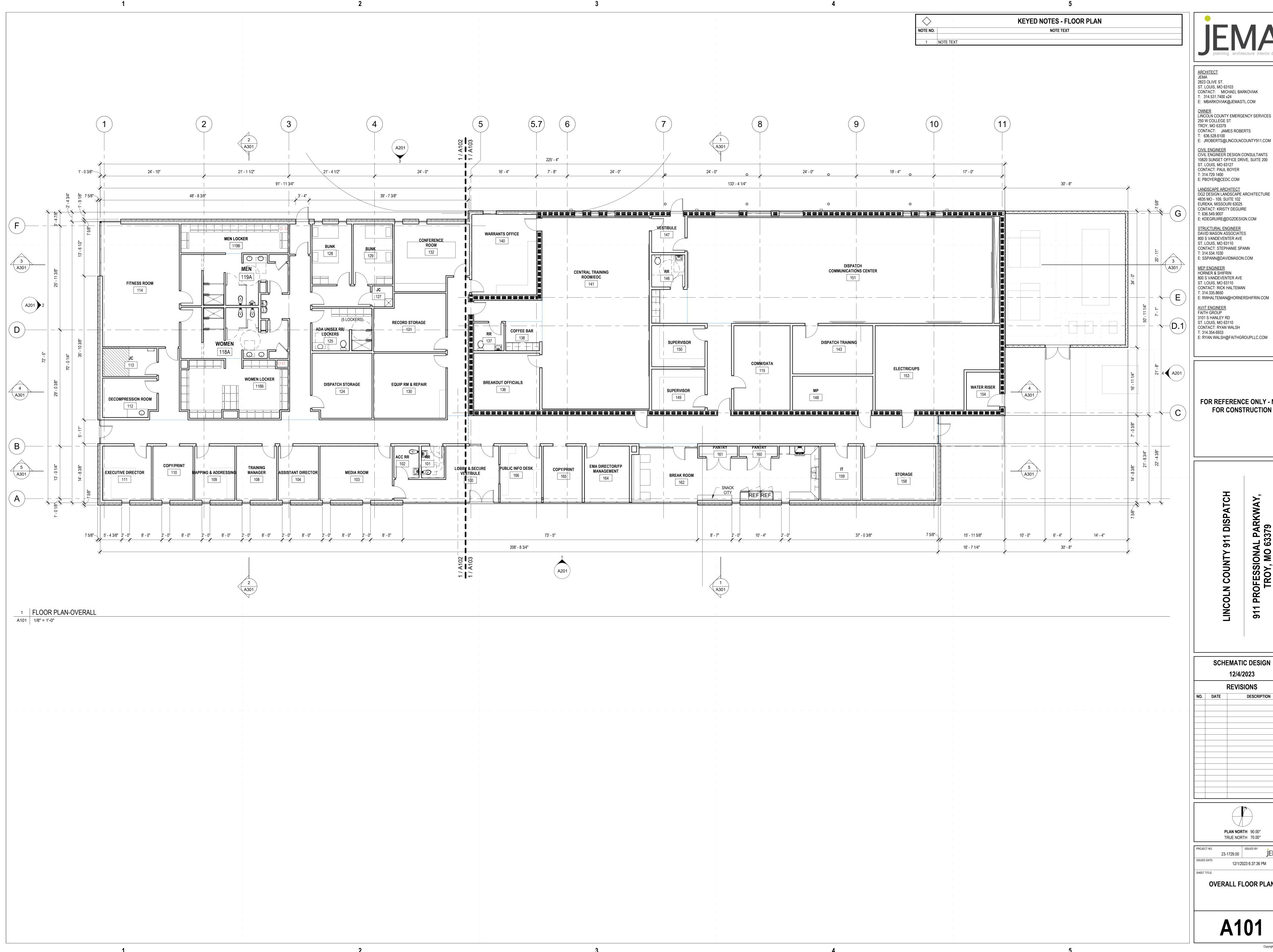
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REVISIONS DESCRIPTION

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TRUE NORTH 70.00° 23-1729.00 ISSUED BY: 12/1/2023 6:37:33 PM

ARCHITECTURAL SITE PLAN



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911 DISPATCH

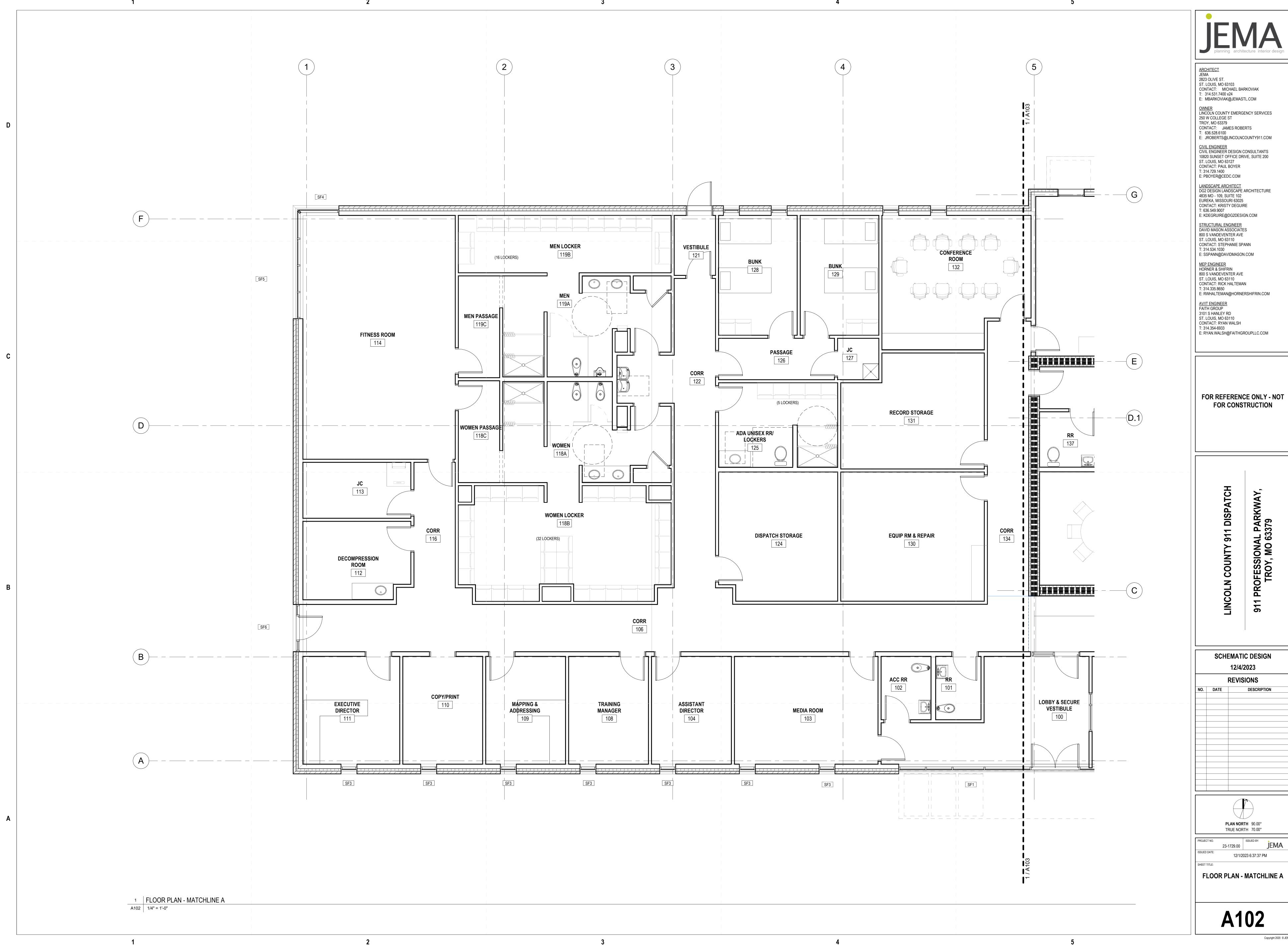
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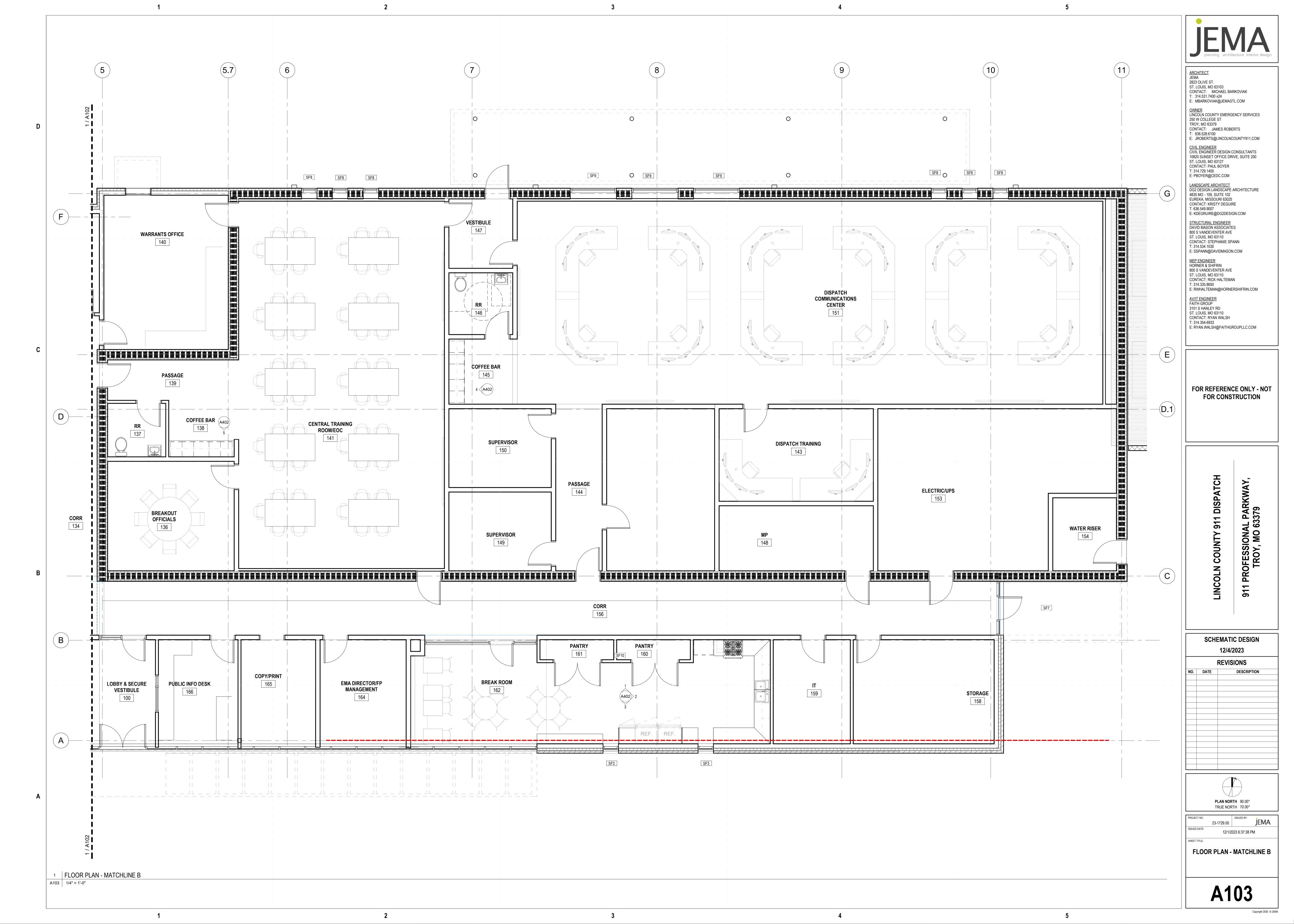
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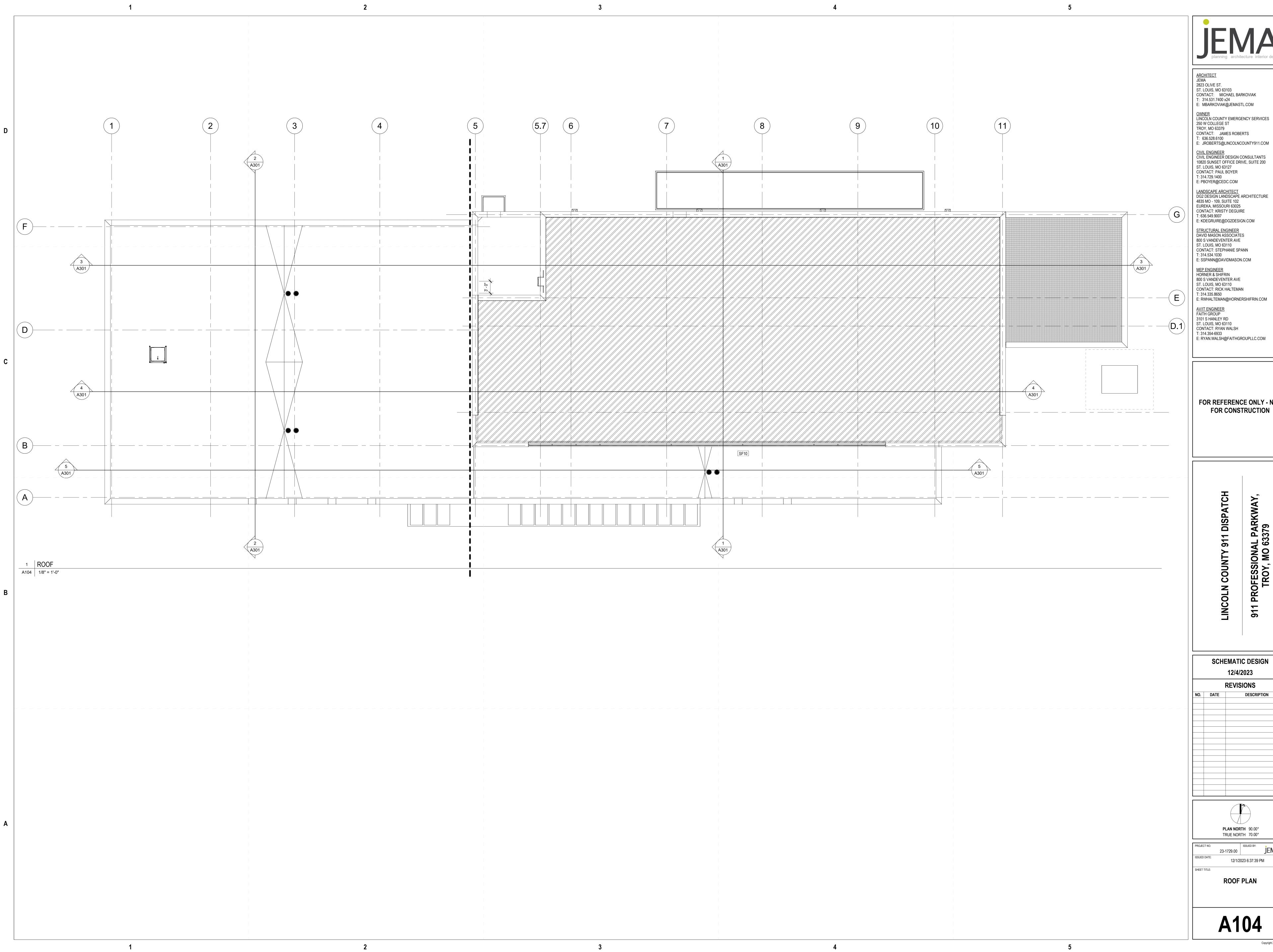
23-1729.00 **JEMA** 12/1/2023 6:37:36 PM

OVERALL FLOOR PLAN

A101







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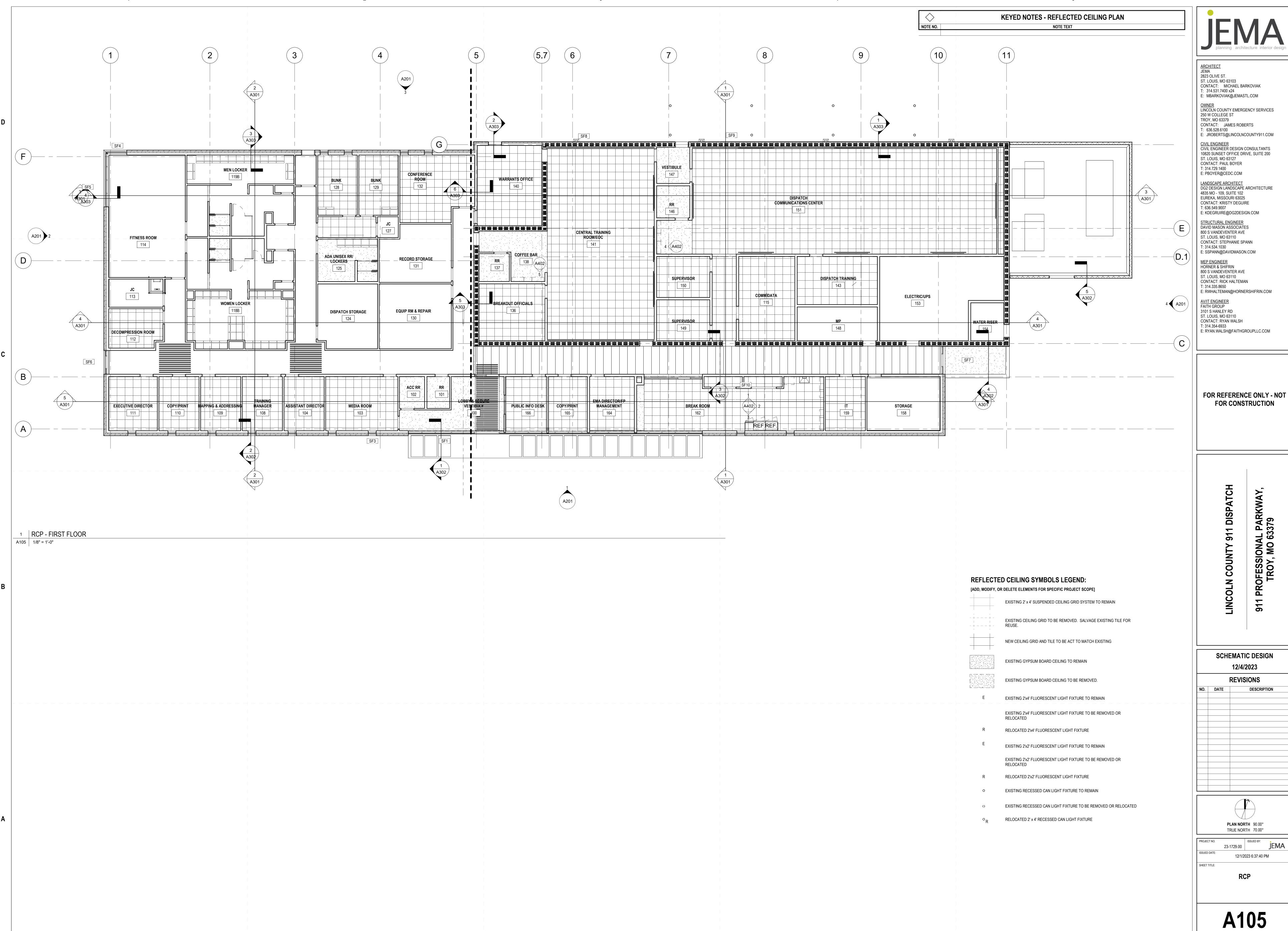
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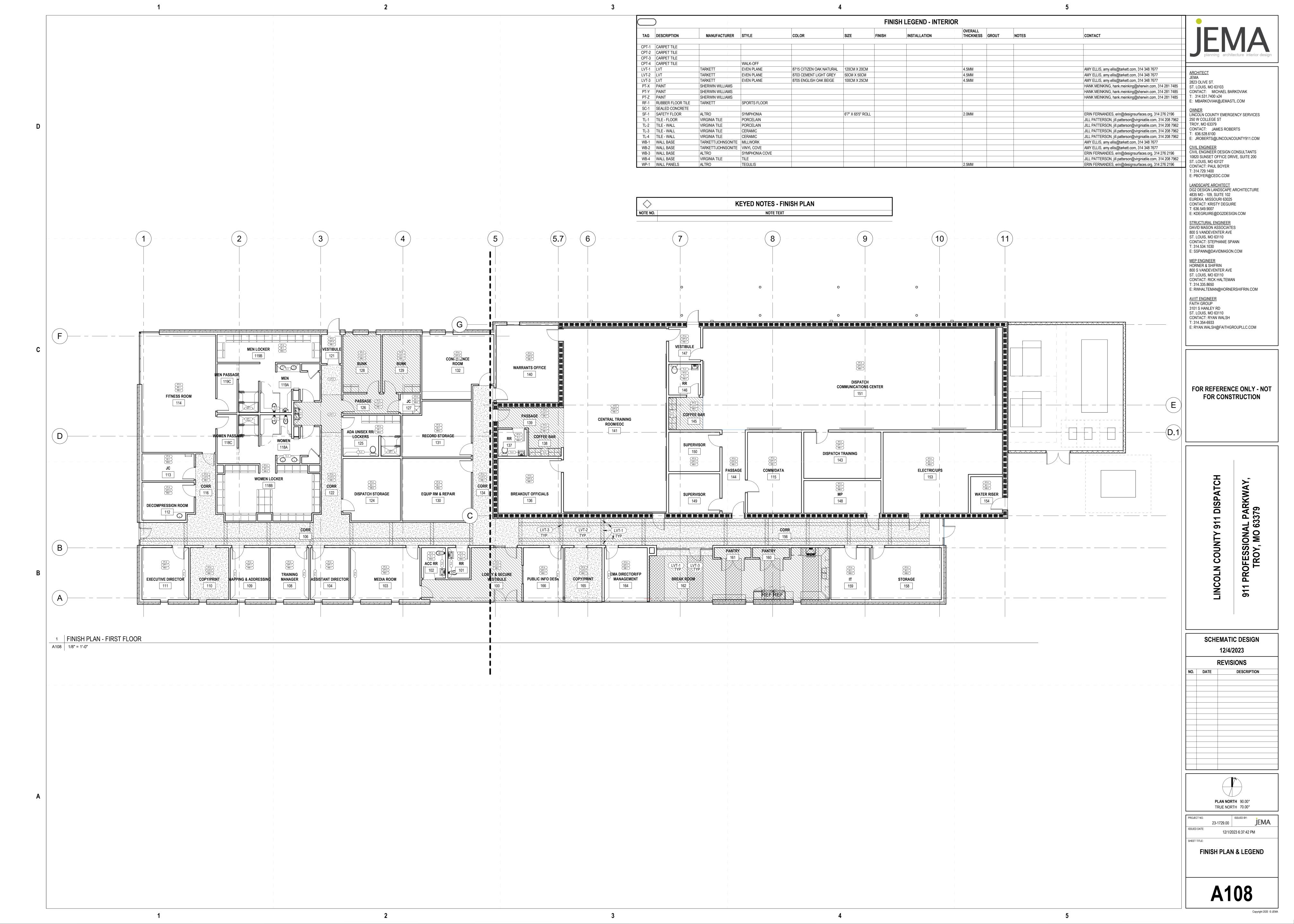
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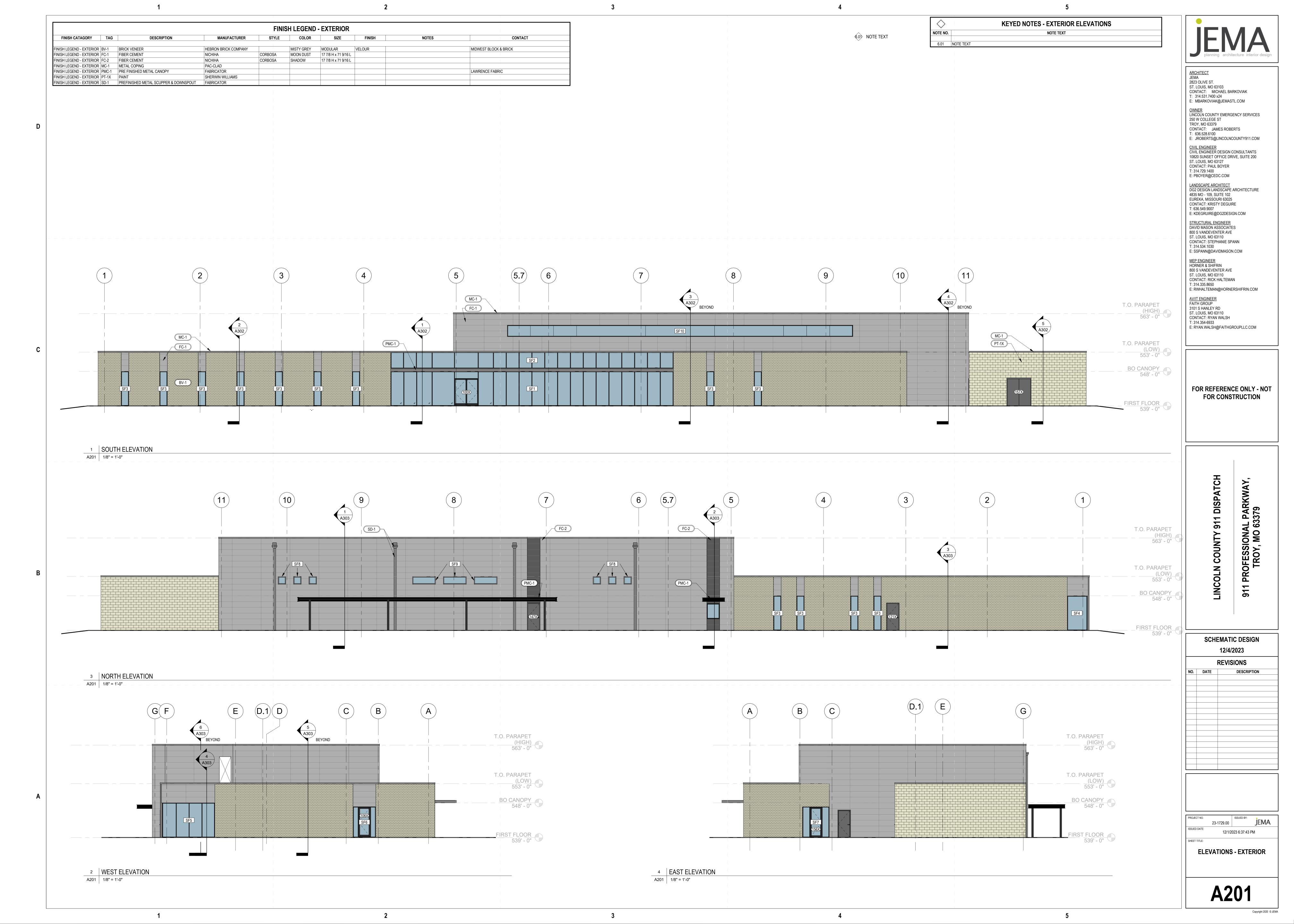
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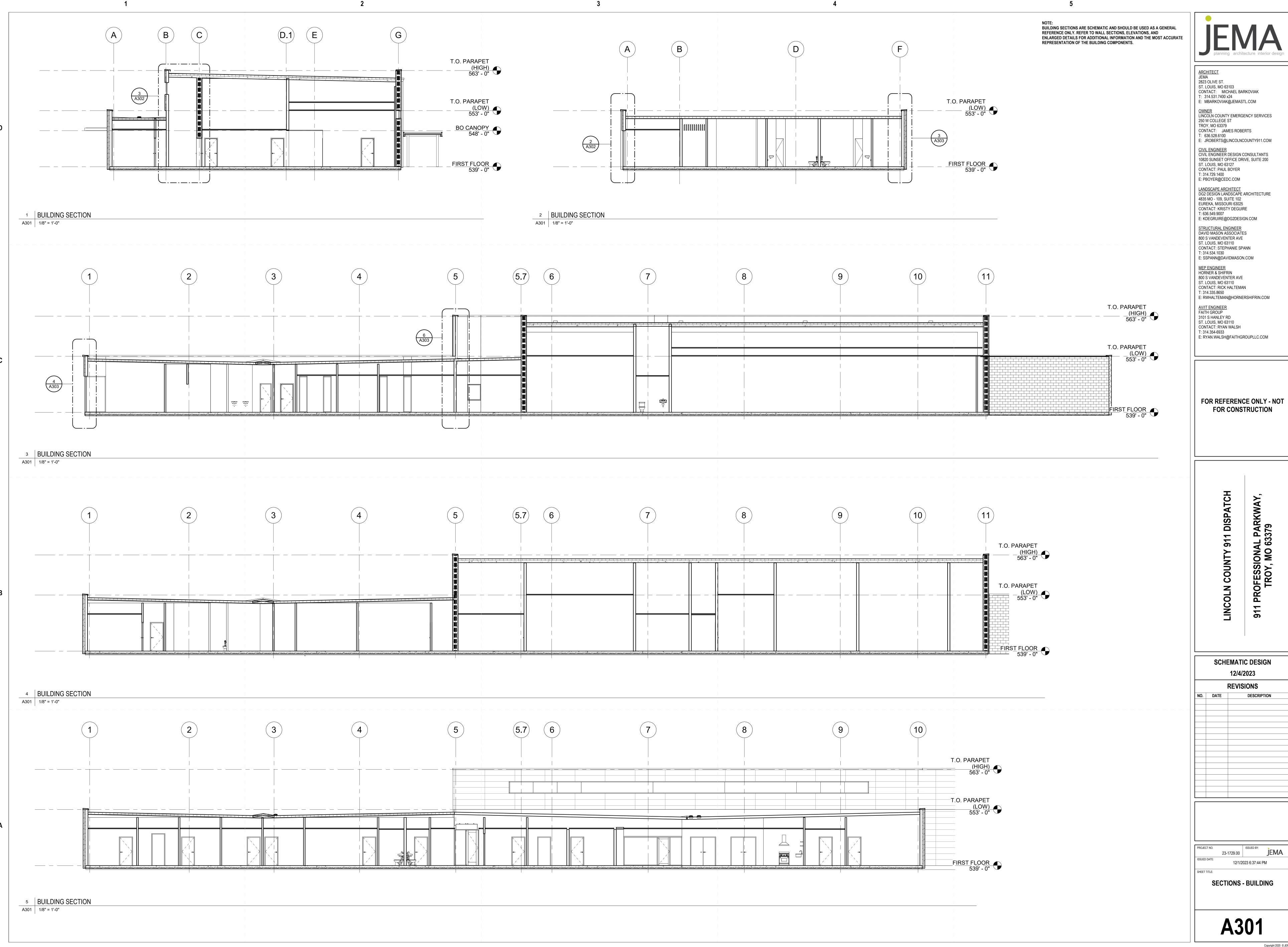
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ROOF PLAN









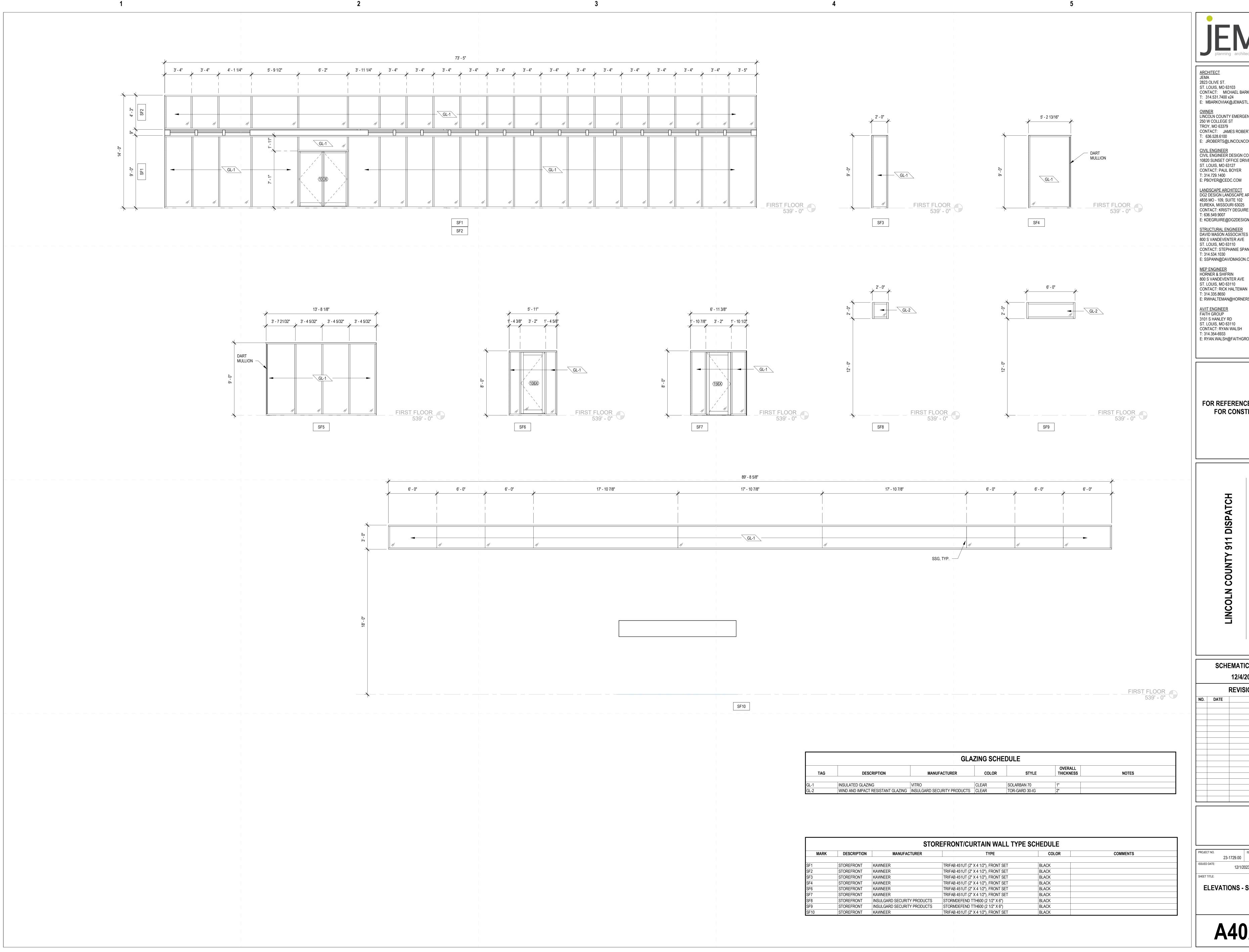
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DESCRIPTION

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SECTIONS - BUILDING



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ELEVATIONS - STOREFRONT





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LINCOLN COUNTY 911 DISPATCH
911 PROFESSIONAL PARKWAY,
TROY, MO 63379

SCHEMATIC DESIGN 12/4/2023

NO. DATE DESCRIPTION

PLAN NORTH 90.00° TRUE NORTH 45.00°

PROJECT NO. 23-1729.00 ISSUED BY: 12/01/2023 9:00:00 AM

HVAC ZONING FLOOR PLAN

 $N / O \cap O$

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LINCOLN COUNTY 911 DISPATCH 911 PROFESSIONAL PARKWAY, TROY, MO 63379

SCHEMATIC DESIGN

12/4/2023 **REVISIONS**

DESCRIPTION

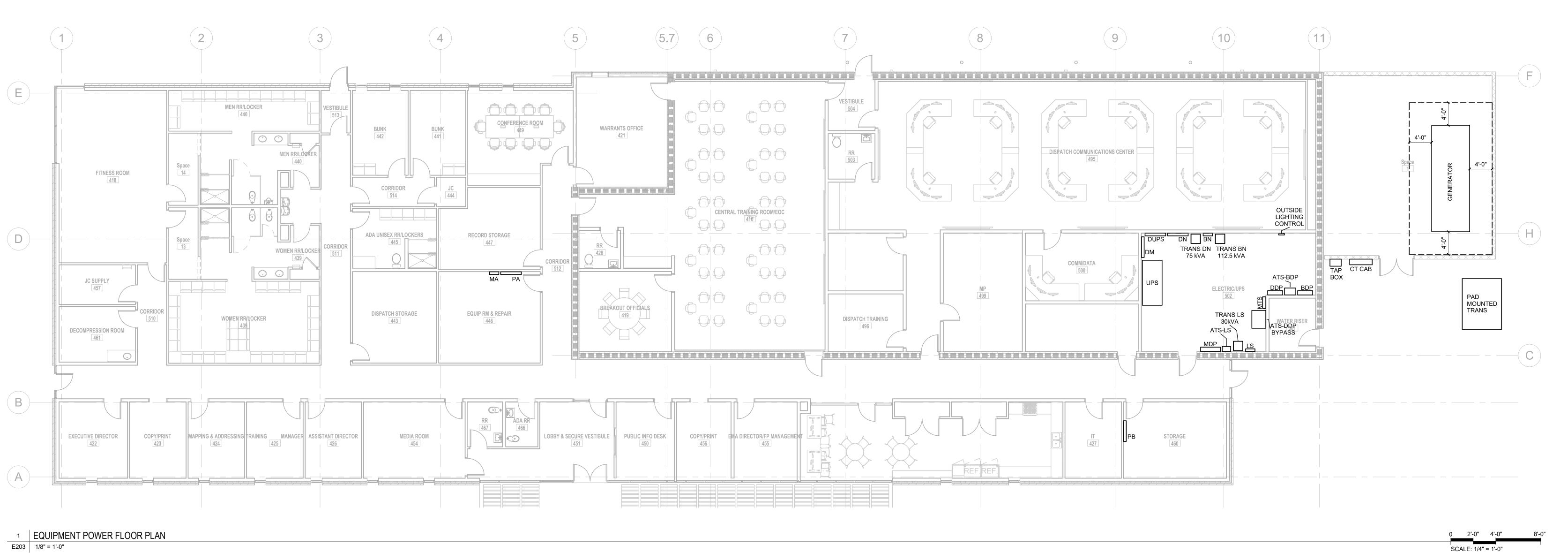
PLAN NORTH 90.00°

TRUE NORTH 45.00°

ISSUED BY: 23-1729.00 12/01/2023 9:00:00 AM

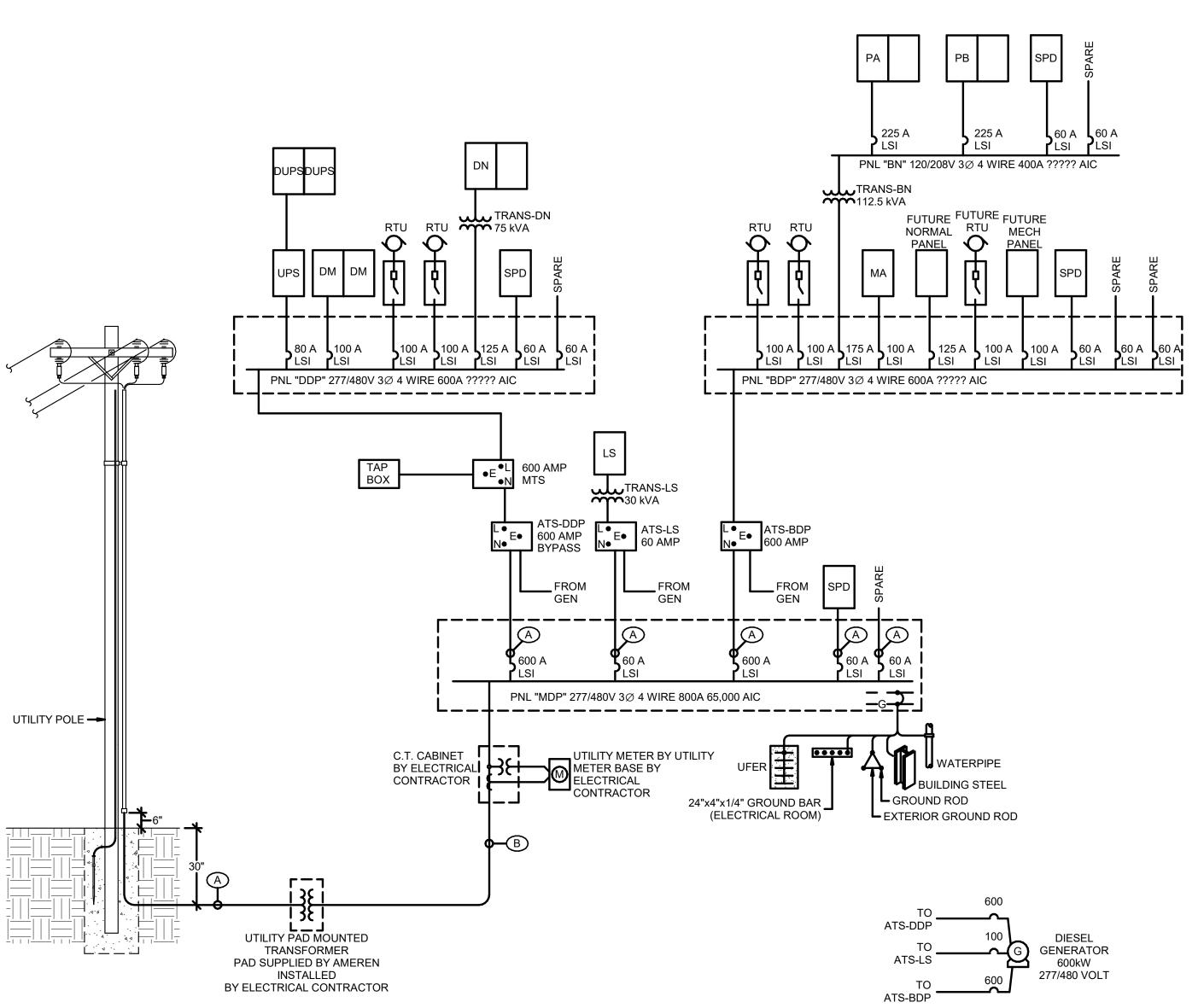
> **OVERALL EQUIPMENT POWER FLOOR PLAN**

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E203 1/8" = 1'-0"

Joseph A. Buehler Discipline: Professional Engineer License No: E-21167 Expiration Date: 12/31/2025



ONE LINE DIAGRAM

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FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

911 PROFESSIONAL PARKWAY, TROY, MO 63379

SCHEMATIC DESIGN 12/4/2023

REVISIONS DESCRIPTION

PRELIMINARY NOT FOR

TRUE NORTH 45.00° 23-1729.00 12/01/2023 9:00:00 AM

PLAN NORTH 90.00°

ELECTRICAL DETAILS

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