



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: ADDENDUM 1

[illegible]

REGISTRATION



06/03/2022

BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR G



8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM

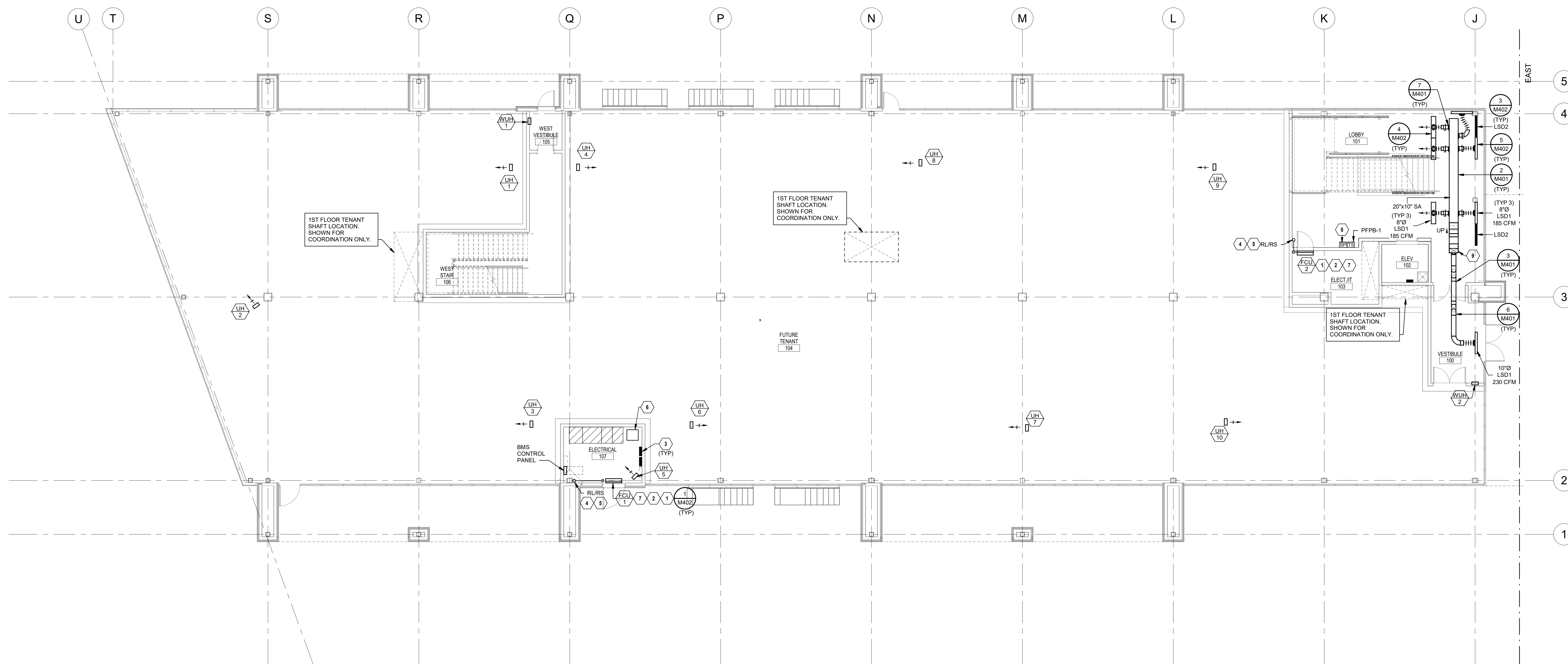
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

MECHANICAL
FIRST FLOOR
PLAN - WEST

SHEET NUMBER

M101.1



① MECHANICAL FIRST FLOOR PLAN - WEST
1/8" = 1'-0"





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REGISTRATION



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BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT	FINKLE-WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

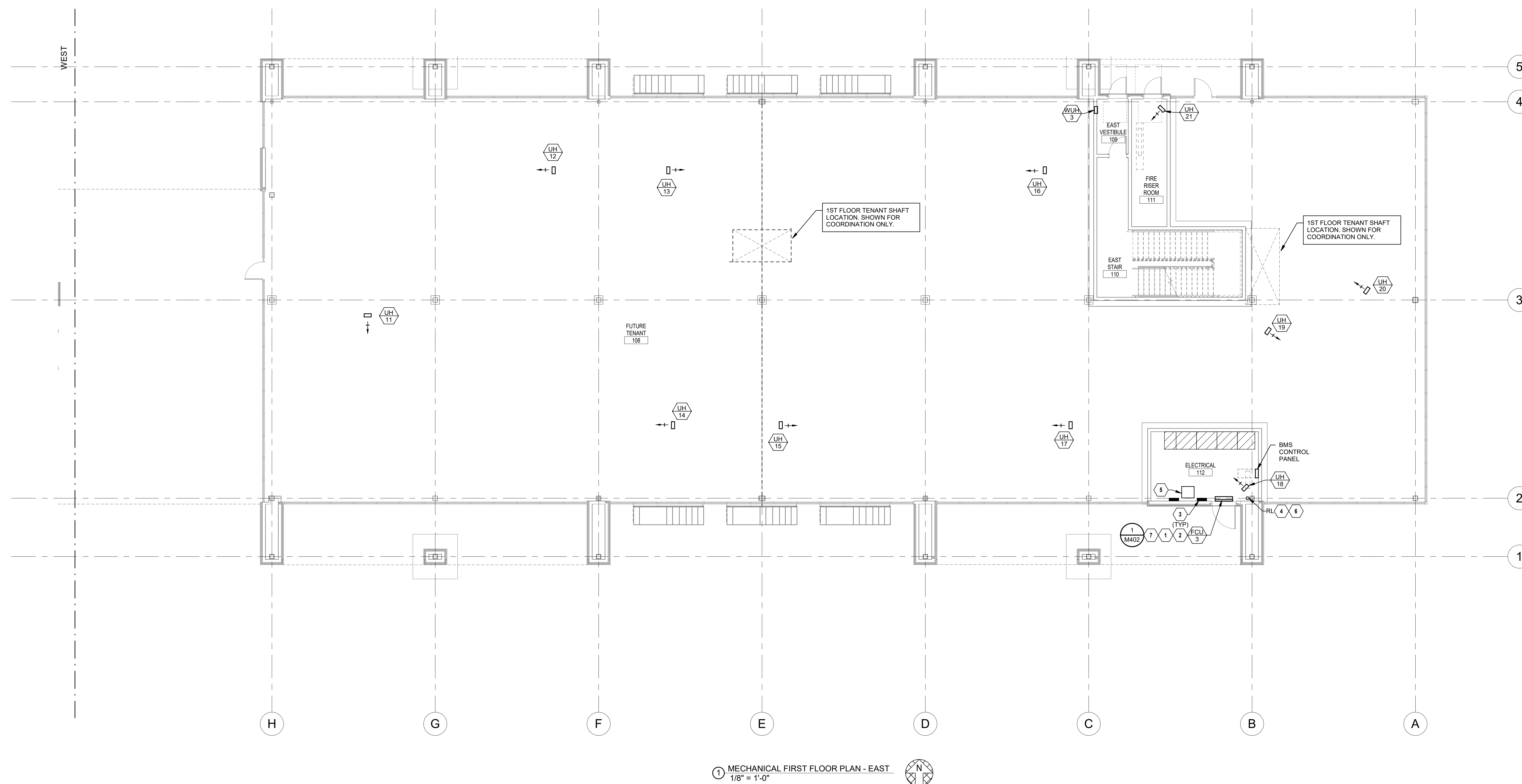


SHEET TITLE

MECHANICAL
FIRST FLOOR
PLAN - EAST

SHEET NUMBER

M101.2



① MECHANICAL FIRST FLOOR PLAN - EAST
1/8" = 1'-0"





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PROJECT TEAM

ARCHITECT FINKLE+WILLIAMSON
ARCHITECTURE

CIVIL G

LANDSCAPE LAND 3

FOUNDATIONS BSE ST

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR G



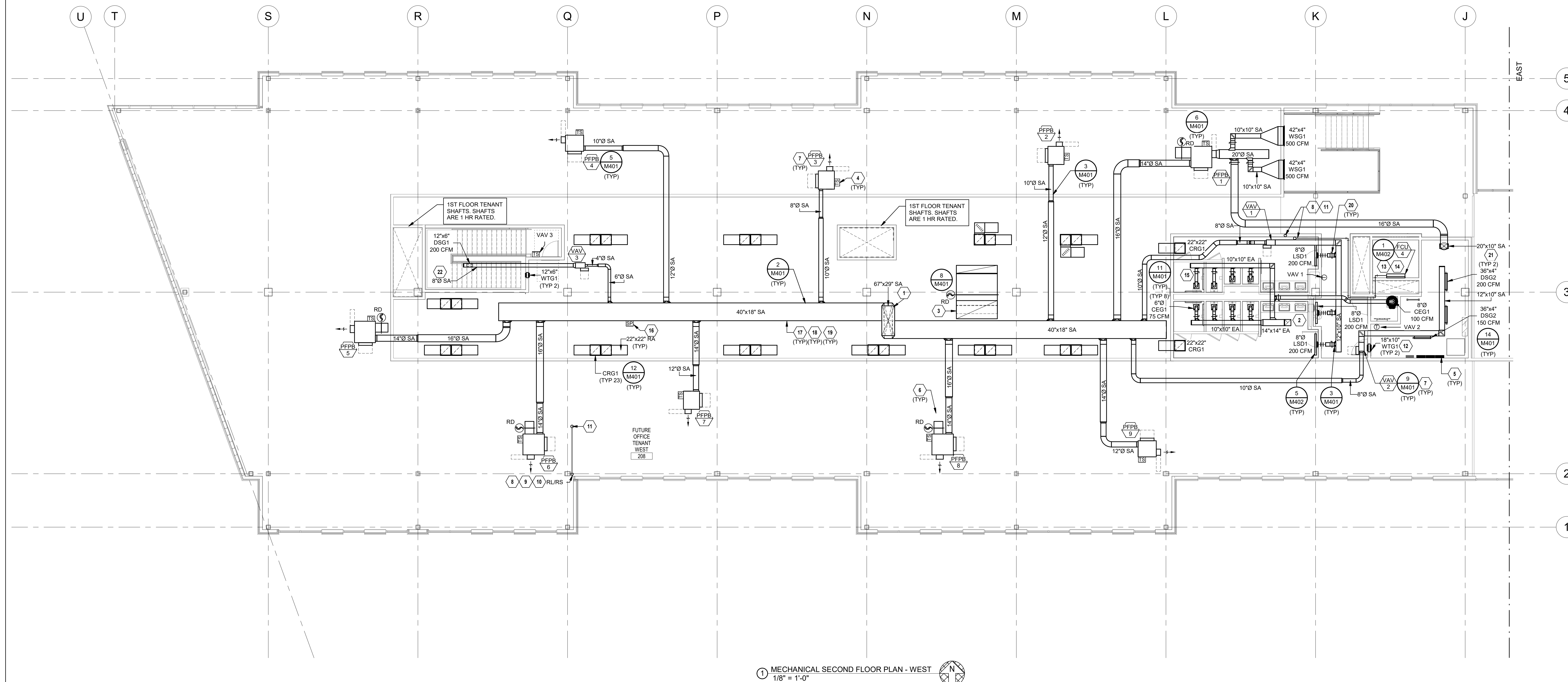
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

MECHANICAL
SECOND FLOOR
PLAN - WEST

SHEET NUMBER

M102.1





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BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT	FNKLE- WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

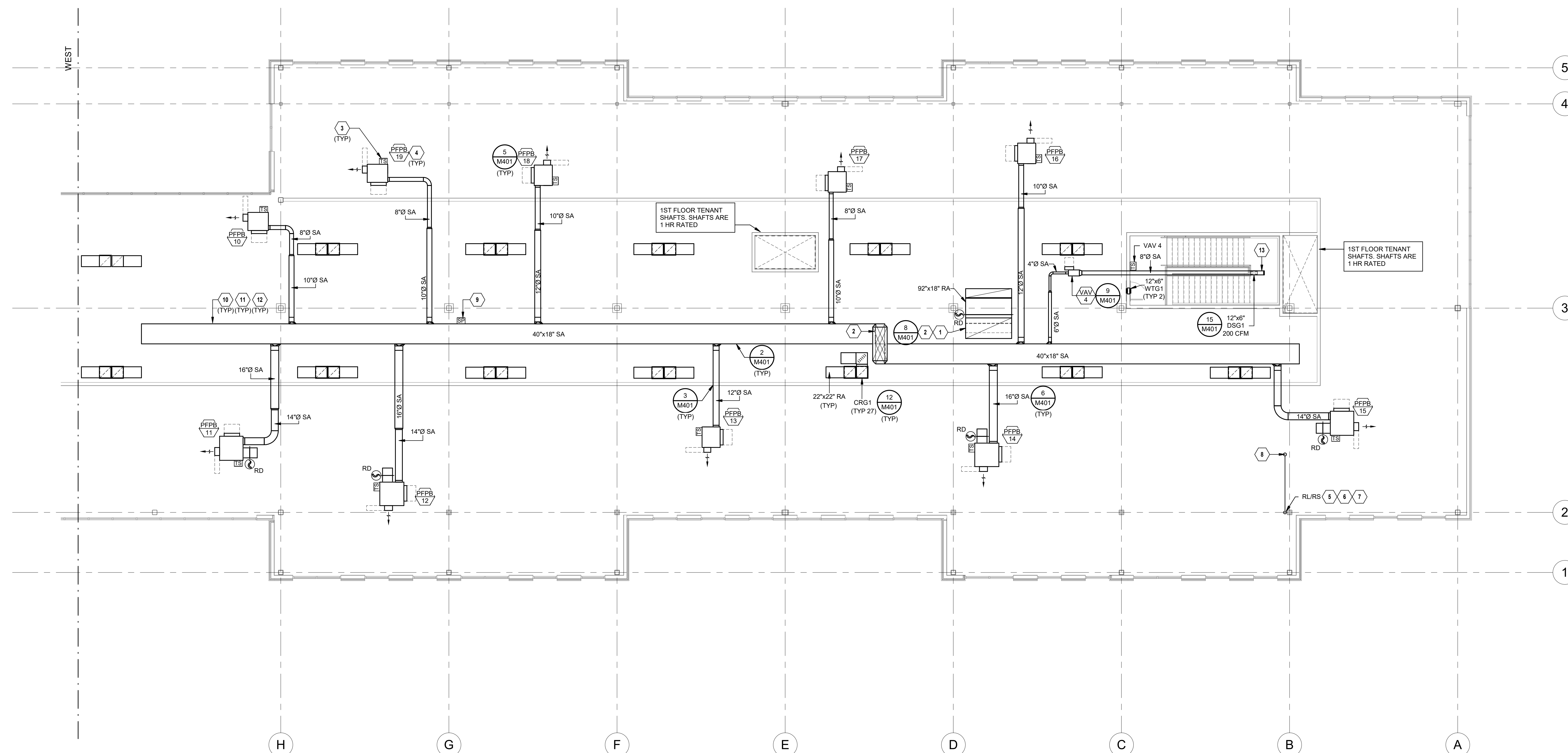


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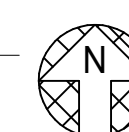
MECHANICAL
SECOND FLOOR
PLAN - EAST

SHEET NUMBER

M102.2



① MECHANICAL SECOND FLOOR PLAN - EAST
1/8" = 1'-0"





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[illegible]

REGISTRATION



06/03/2022

BRADLEY E. CHAMBERLAIN
LAFAYETTE, MISSISSIPPI

LICENSE # 028603

PROJECT TEAM

ARCHITECT	FINKE+WILLIAMS ARCHITECTURE
CIVIL	G&A
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

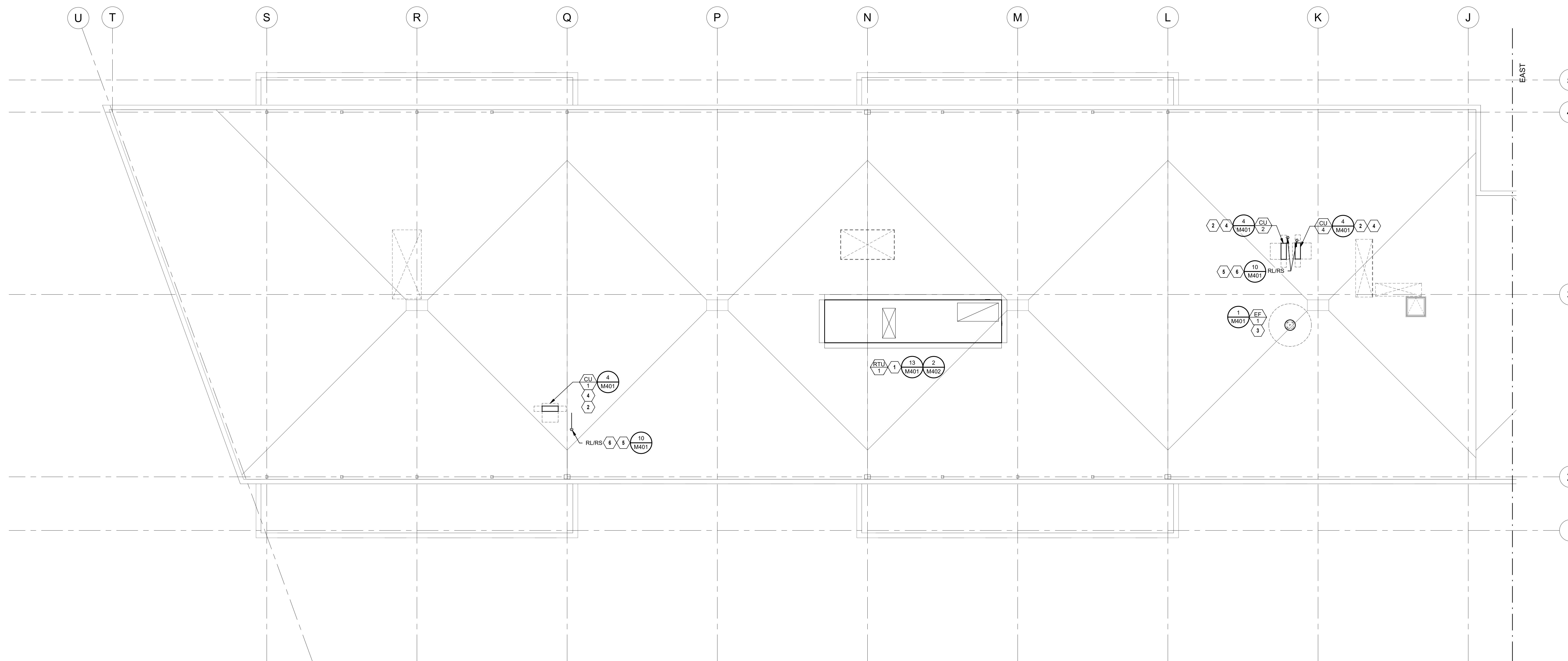


SHEET TITLE

MECHANICAL
ROOF PLAN -
WEST

SHEET NUMBER

M201.1



① MECHANICAL ROOF PLAN - WEST
1/8" = 1'-0"





FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

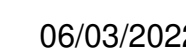
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[illegible]

REGISTRATION



BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

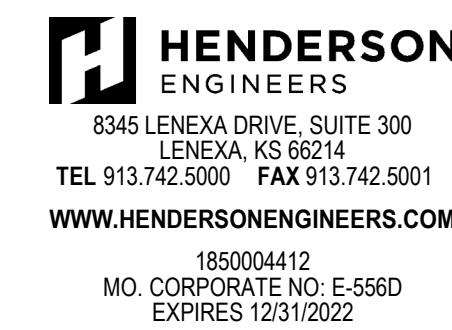
PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC



SHEET TITLE

MECHANICAL
ROOF PLAN -
EAST

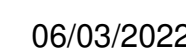
SHEET NUMBER

M201.2



FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

No.	Date	Description
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REGISTRATION

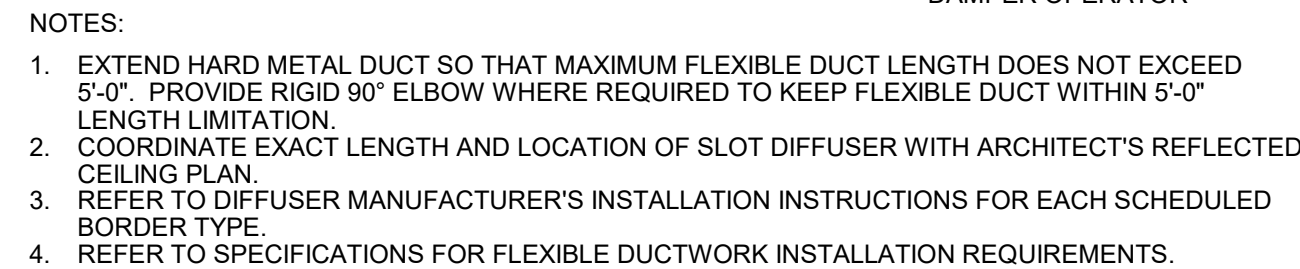
PROJECT TEAM

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LENEXA, KS 66214
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SHEET NUMBER

AA 100



NOTES

1. ARRANGEMENT SHOWN IS SCHEMATIC, ADJUST TO SUIT FIELD CONDITIONS OR MEET LOCAL CODE REQUIREMENTS.
2. PROVIDE MINIMUM 3.5" OF CLEARANCE AT THE TOP OF THE UNIT.
3. ATTACH FAN COIL UNIT TO MANUFACTURER'S PROVIDED INSTALLATION PLATE. MOUNT INSTALLATION PLATE TO WALL PER MANUFACTURER'S RECOMMENDATIONS.

NOTES:

1. CUT METAL DECKING TO ALLOW CURB INSTALLATION ON STEEL FRAMING. AFTER CURB IS SET IN PLACE, TRIM REMAINING METAL DECKING AND INSTALL WITHIN CURB. TACK WELD DECKING TO SUPPORT STEEL. DO NOT WELD INTERIOR DECKING TO ROOF CURB. PROVIDE ADDITIONAL CROSS FRAMING TO SUPPORT INTERIOR DECKING AND FILL MATERIAL AS REQUIRED.

NOTES

1. EXTEND HARD METAL DUCT SO THAT MAXIMUM FLEXIBLE DUCT LENGTH DOES NOT EXCEED 5'-0" PROVIDE RIGID 90° ELBOW WHERE REQUIRED TO KEEP FLEXIBLE DUCT WITHIN 5'-0" LENGTH LIMITATION.
2. CONFIRM EXACT LENGTH AND LOCATION OF SLOT DIFFUSER WITH ARCHITECT'S REFLECTED CEILING PLAN.
3. REFER TO DIFFUSER MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR EACH SCHEDULED BORDER TYPE.
4. REFER TO SPECIFICATIONS FOR FLEXIBLE DUCTWORK INSTALLATION REQUIREMENTS.

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ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS 865 63

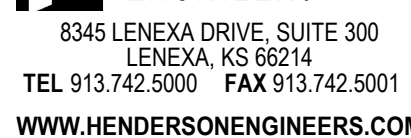
STRUCTURAL BSE STRUCTURAL

PLUMBING HENDERSON
ENGINEERS

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ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS



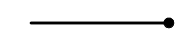
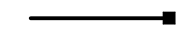
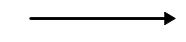
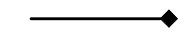
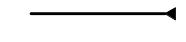



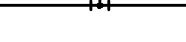








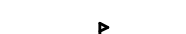


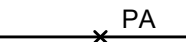


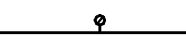
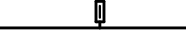
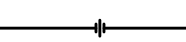
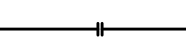
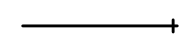
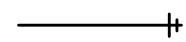
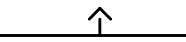








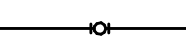
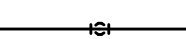

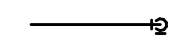
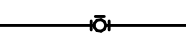
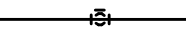







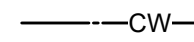
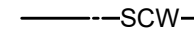
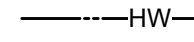
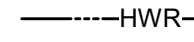
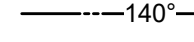
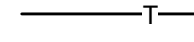

















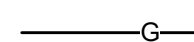

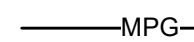

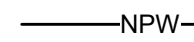
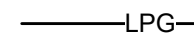
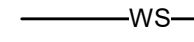
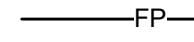
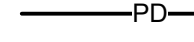

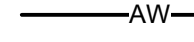
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

SHEET NUMBER

P000

V2.01

STANDARD MOUNTING HEIGHTS		PIPING SYMBOLS		PIPING LINETYPES	
<p>REFER TO THE ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE MOUNTING HEIGHTS. UNO, INSTALL PLUMBING FIXTURES WITH THE MOUNTING HEIGHTS AS LISTED BELOW WITH FINAL APPROVAL BY THE ARCHITECT.</p> <p>LAVATORY OR SINK STANDARD HEIGHT 31" FLOOR TO RIM ADA ACCESSIBLE 34" FLOOR TO RIM CHILD HEIGHT 24" FLOOR TO RIM</p> <p>URINAL STANDARD HEIGHT 24" FLOOR TO RIM ADA ACCESSIBLE 17" FLOOR TO RIM CHILD HEIGHT 14" FLOOR TO RIM</p> <p>WATER CLOSET STANDARD HEIGHT 15" FLOOR TO RIM ADA ACCESSIBLE 17" TO 19" FLOOR TO TOP OF SEAT CHILD HEIGHT 10" FLOOR TO RIM</p> <p>WATER COOLER OR DRINKING FOUNTAIN STANDARD HEIGHT 41" FLOOR TO SPOUT ADA ACCESSIBLE 36" FLOOR TO SPOUT CHILD HEIGHT 30" FLOOR TO SPOUT</p> <p>SHOWER VALVES STANDARD HEIGHT - MEN 48" FLOOR TO CENTERLINE STANDARD HEIGHT - WOMEN 42" FLOOR TO CENTERLINE ADA ACCESSIBLE 38" MIN TO 48" MAX FLOOR TO CENTERLINE</p> <p>SHOWER HEADS MEN 6'-6" FLOOR TO CENTERLINE WOMEN 6'-0" FLOOR TO CENTERLINE</p> <p>TUB VALVES STANDARD HEIGHT 32" FLOOR TO CENTERLINE ADA ACCESSIBLE CENTER BETWEEN GRAB BAR AND TUB RIM</p> <p>CLINIC SERVICE SINKS 30" FLOOR TO RIM</p> <p>SURGEON'S SCRUB-UP SINKS 35" FLOOR TO FRONT RIM</p> <p>ICE MAKER OUTLET BOXES 24" FLOOR TO CENTER OF BOX</p> <p>WASHING MACHINE OUTLET BOXES 42" FLOOR TO RIM</p> <p>JANITOR'S SINK FAUCET FITTING 42" FLOOR TO CENTERLINE</p> <p>HOSE BIBBS 36" AFF TO CENTERLINE</p> <p>NON-FREEZE WALL HYDRANTS 18" AFG TO CENTERLINE</p>		 OXYGEN OUTLET  NITROUS OXIDE OUTLET  MEDICAL AIR OUTLET  NITROGEN OUTLET  MEDICAL VACUUM INLET  FLOOR SINK (FS), SIZE & TYPE  FLOOR DRAIN (FD), SIZE & TYPE  ROOF DRAIN (RD), SIZE & TYPE  BALL VALVE  CONTROL VALVE  SHUTOFF VALVE  CHECK VALVE  BALANCING VALVE WITH PRESSURE PORTS  WATER METER  STRAINER  STRAINER WITH BLOWOFF  RELIEF/SAFETY VALVE  SOLENOID VALVE  PRESSURE REDUCING VALVE  GAS PRESSURE REGULATOR  THERMOSTATIC MIXING VALVE  PIPE ANCHOR  EXPANSION JOINT  BACKFLOW PREVENTER  PRESSURE GAUGE  THERMOMETER  UNION  FLANGE CONNECTION  HOSE BIBB (HB)  NON-FREEZING WALL HYDRANT (NW)  MANUAL / AUTOMATIC AIR VENT OR VACUUM RELIEF VALVE  PRESSURE / VACUUM SWITCH  CLEANOUT  CAP  WALL CLEANOUT (WCO)  FLOOR CLEANOUT (FCO)  EXTERIOR CLEANOUT (ECO)  ELBOW UP  ELBOW DOWN  TEE UP  TEE DOWN  ELBOW UP WITH SHUT-OFF VALVE (SOV)  ELBOW DOWN WITH SHUT-OFF VALVE (SOV)  TEE UP WITH SHUT-OFF VALVE (SOV)  TEE DOWN WITH SHUT OFF VALVE (SOV)  WATER HAMMER ARRESTOR (WHA) WITH PDI SIZES, (A, B, C, D, & E)  RECIRCULATION PUMP  P-TRAP  GAS COCK  TRAP PRIMER  TRAP PRIMER WITH DISTRIBUTION UNIT		 DOMESTIC COLD WATER (CW)  SOFTENED COLD WATER (SCW)  DOMESTIC HOT WATER (HW)  DOMESTIC HOT WATER RECIRC. (HWR)  DOMESTIC HOT WATER (140°)  TRAP PRIMER LINE (T)  SOIL PIPING - ABOVE FLOOR (S)  SOIL PIPING - BELOW FLOOR (S)  WASTE PIPING - ABOVE FLOOR (W)  WASTE PIPING - BELOW FLOOR (W)  GREASE WASTER - ABOVE FLOOR (GW)  GREASE WASTE - BELOW FLOOR (GW)  COMBINATION GREASE WASTE AND VENT (CGWV)  COMBINATION WASTE AND WENT (CWV)  STORM DRAIN - ABOVE FLOOR (ST)  STORM DRAIN - BELOW FLOOR (ST)  OVERFLOW STORM DRAIN - ABOVE FLOOR (OST)  VENT BELOW GRADE (VBG)  VENT BELOW FLOOR (VBF)  INDIRECT DRAIN (ID)  CONDENSATE DRAIN - HIGH EFFICIENCY RTU (CDH)  CONDENSATE DRAIN (CD)  AUXILIARY CONDENSATE DRAIN (ACD)  SUMP OR SEWAGE PUMP DISCHARGE (SPD)  NATURAL GAS (G)  NATURAL GAS ON ROOF (G)  MEDIUM PRESSURE NATURAL GAS (MPG)  MEDIUM PRESSURE NATURAL GAS ON ROOF (MPG)  NON-POTABLE WATER (NPW)  LIQUEFIED PETROLEUM GAS (LPG)  WATER SERVICE (WS)  FIRE PROTECTION (FP)  CONDENSATE PUMP DISCHARGE (PD) 	



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
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REGISTRATION



06/03/2022

BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERSELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC



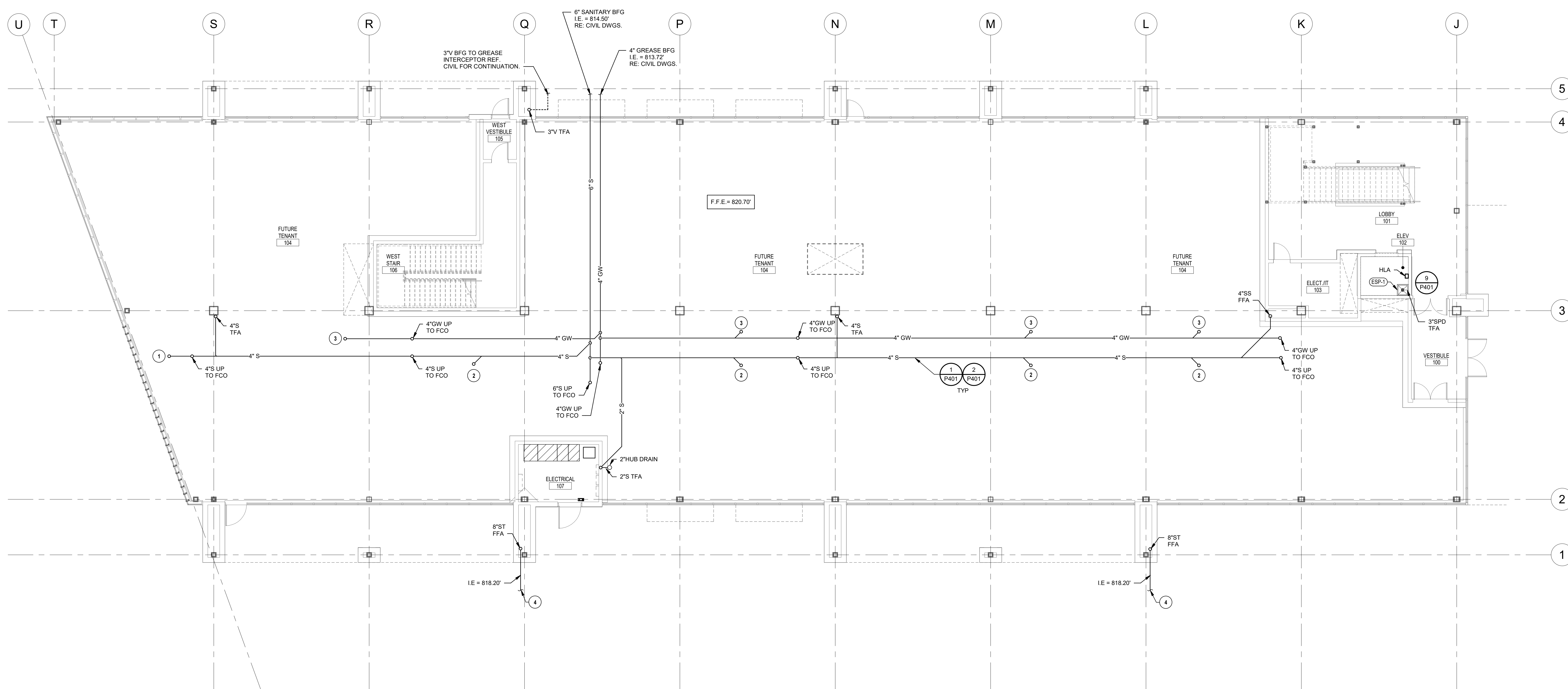
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

PLUMBING
FIRST FLOOR
UNDERSLAB
PLAN - WEST

SHEET NUMBER

P100.1



① PLUMBING FIRST FLOOR UNDERSLAB PLAN - WEST
1/8" = 1'-0"

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Issued For: ADDENDUM 1

[illegible]

BRADLEY E. CHAMBON
LICENSE # 028603

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCT

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERSELECTRICAL HENDERSON
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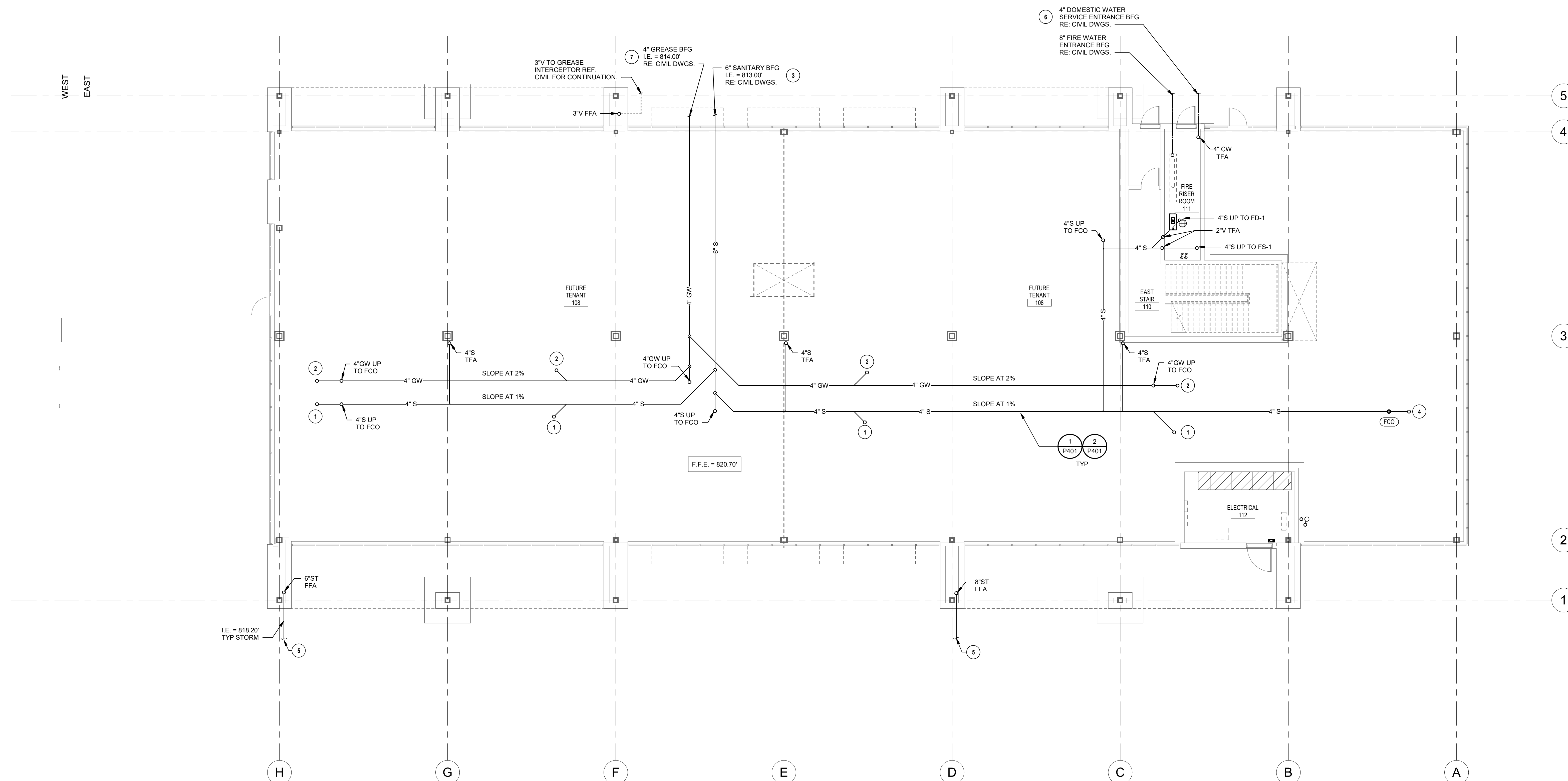
FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC



PLUMBING
FINISH FLOOR
UNDERSLAB
PLAN - EAST

P100.2



① PLUMBING FIRST FLOOR UNDERSLAB PLAN - EAST
1/8" = 1'-0"



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: **ADDENDUM 1**

[illegible]

REGISTRATION



06/03/2022

BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMSON
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

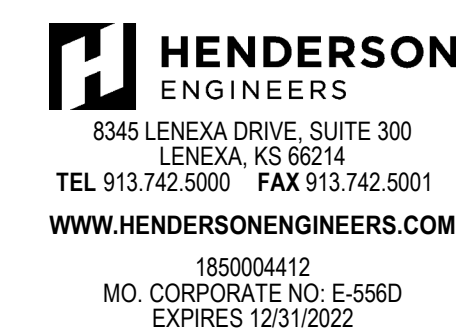
PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC

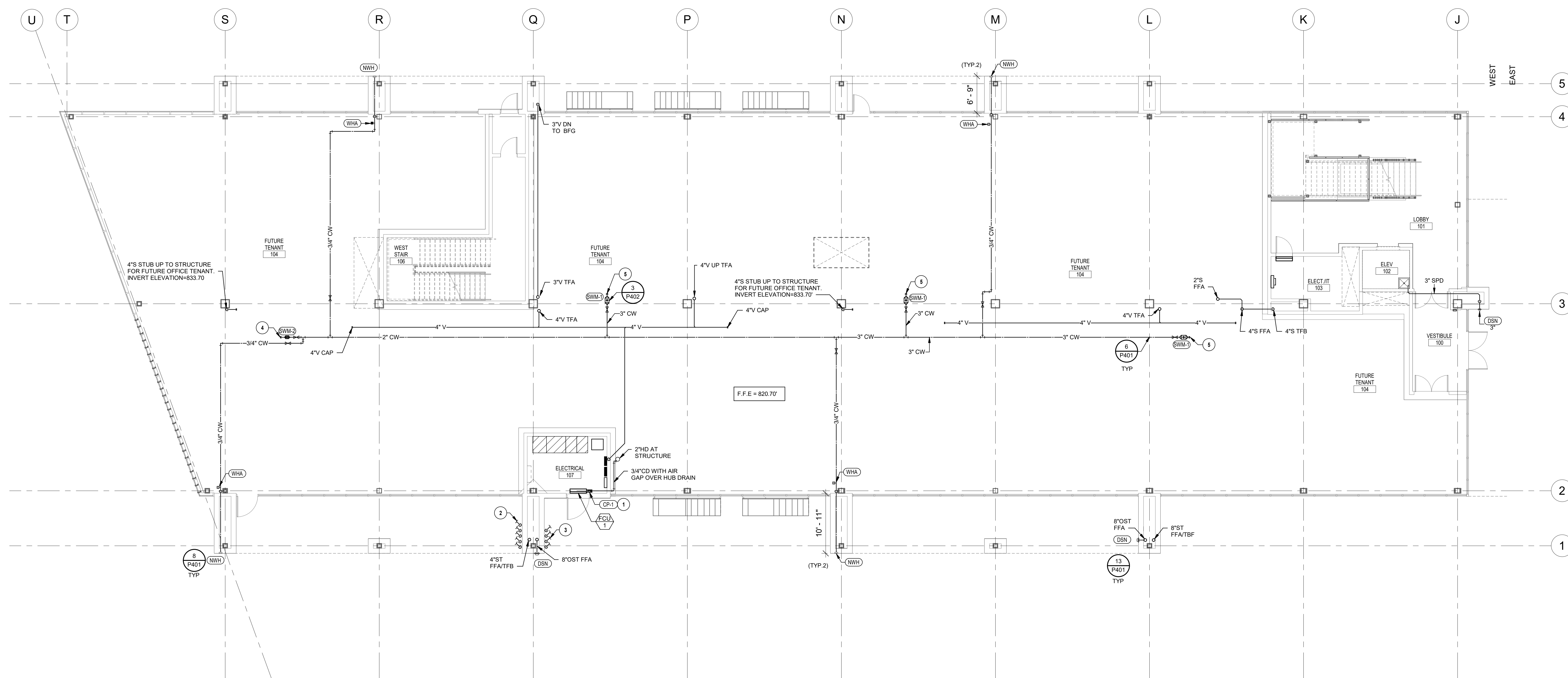


SHEET TITLE

PLUMBING
FIRST FLOOR
PLAN - WEST

SHEET NUMBER

P101.1



① PLUMBING FIRST FLOOR PLAN - WEST
1/8" = 1'-0"

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01a
Date:	06.02.22
Issued For:	ADDENDUM 1

[illegible]

REGISTRATION



06/03/2022

BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STR

STRUCTURAL BSE STRUCTURAL
ENGINEERS

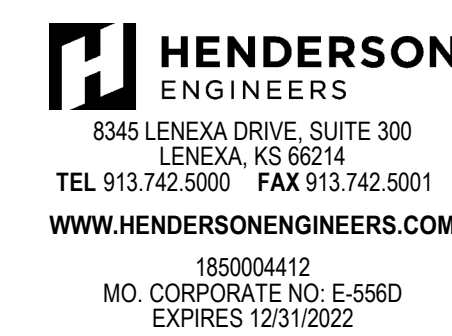
PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC

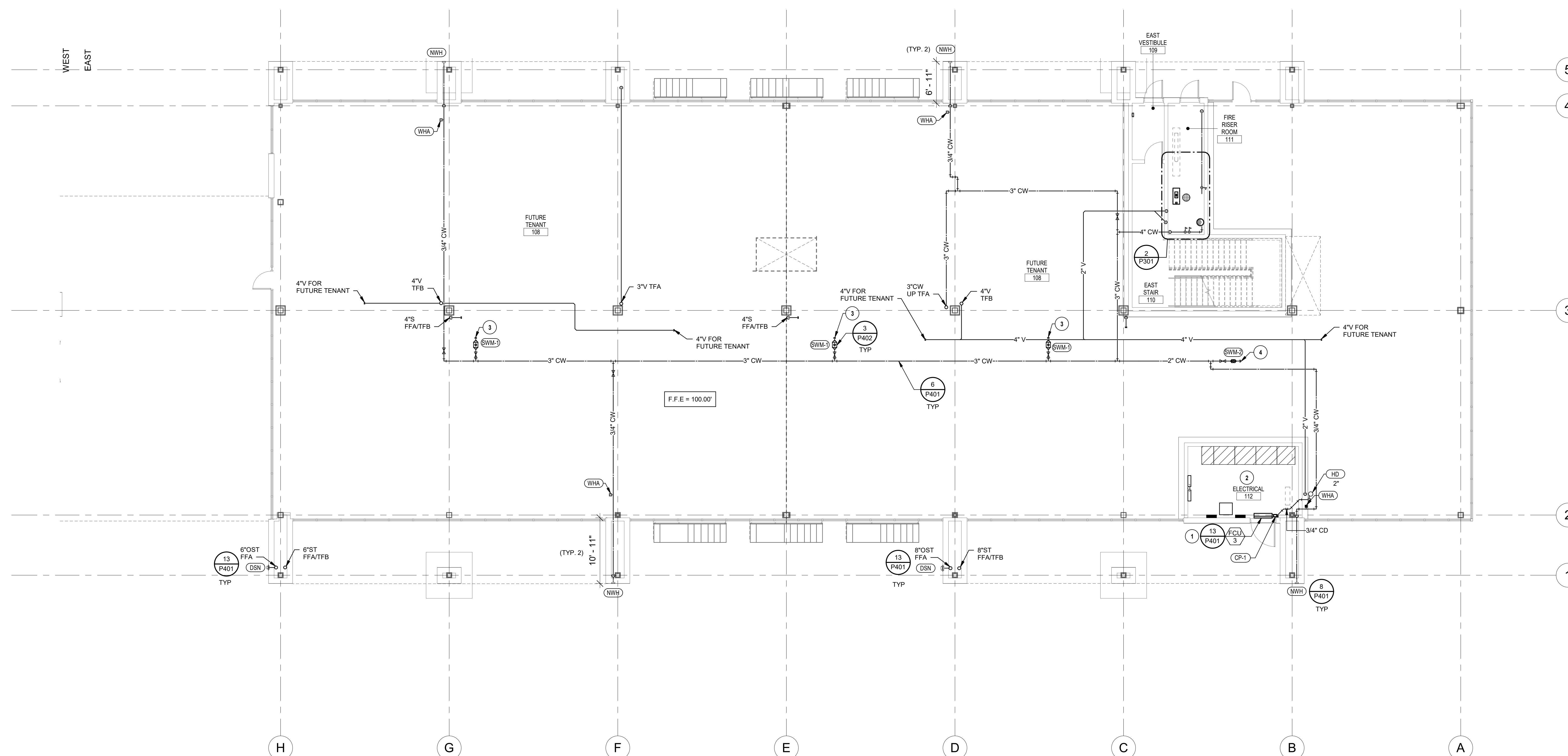


SHEET TITLE

PLUMBING
FIRST FLOOR
PLAN - EAST

SHEET NUMBER

P101.2



① PLUMBING FIRST FLOOR PLAN - EAST
1/8" = 1'-0"

PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: **ADDENDUM**

[illegible]

REGISTRATION



06/03/2022

BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERSPLUMBING HENDERSON
ENGINEERSMECHANICAL HENDERSON
ENGINEERSELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC

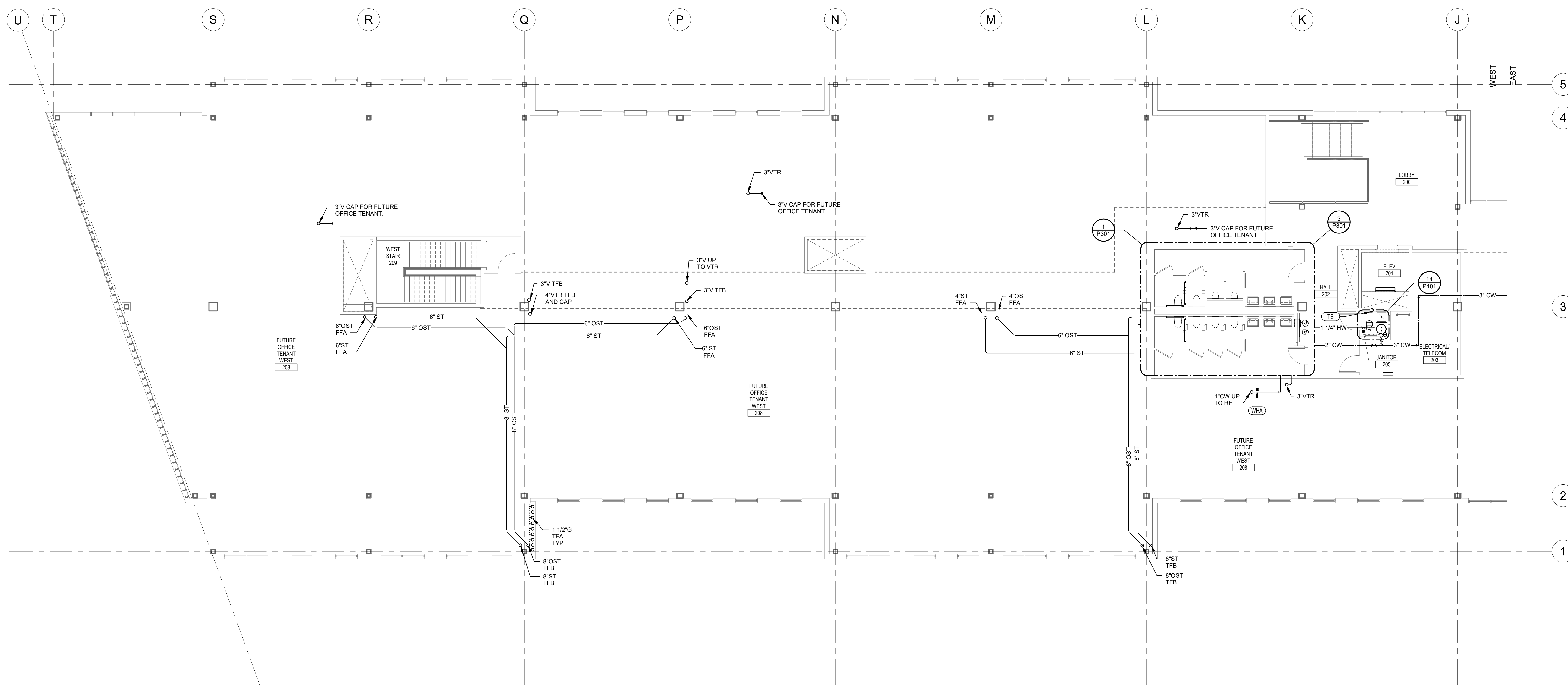


SHEET TITLE

PLUMBING
SECOND FLOOR
PLAN - WEST

SHEET NUMBER

P102.1



① PLUMBING SECOND FLOOR PLAN - WEST
1/8" = 1'-0"



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.2017

Issued For: ADDENDUM 1

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REGISTRATION

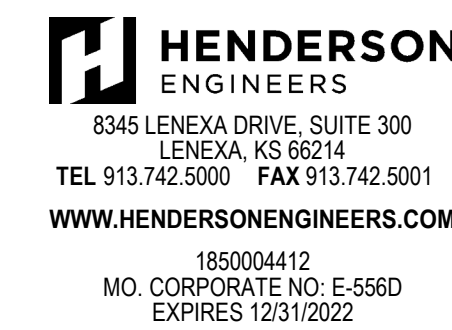


06/03/2021

BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT	FINKE-WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

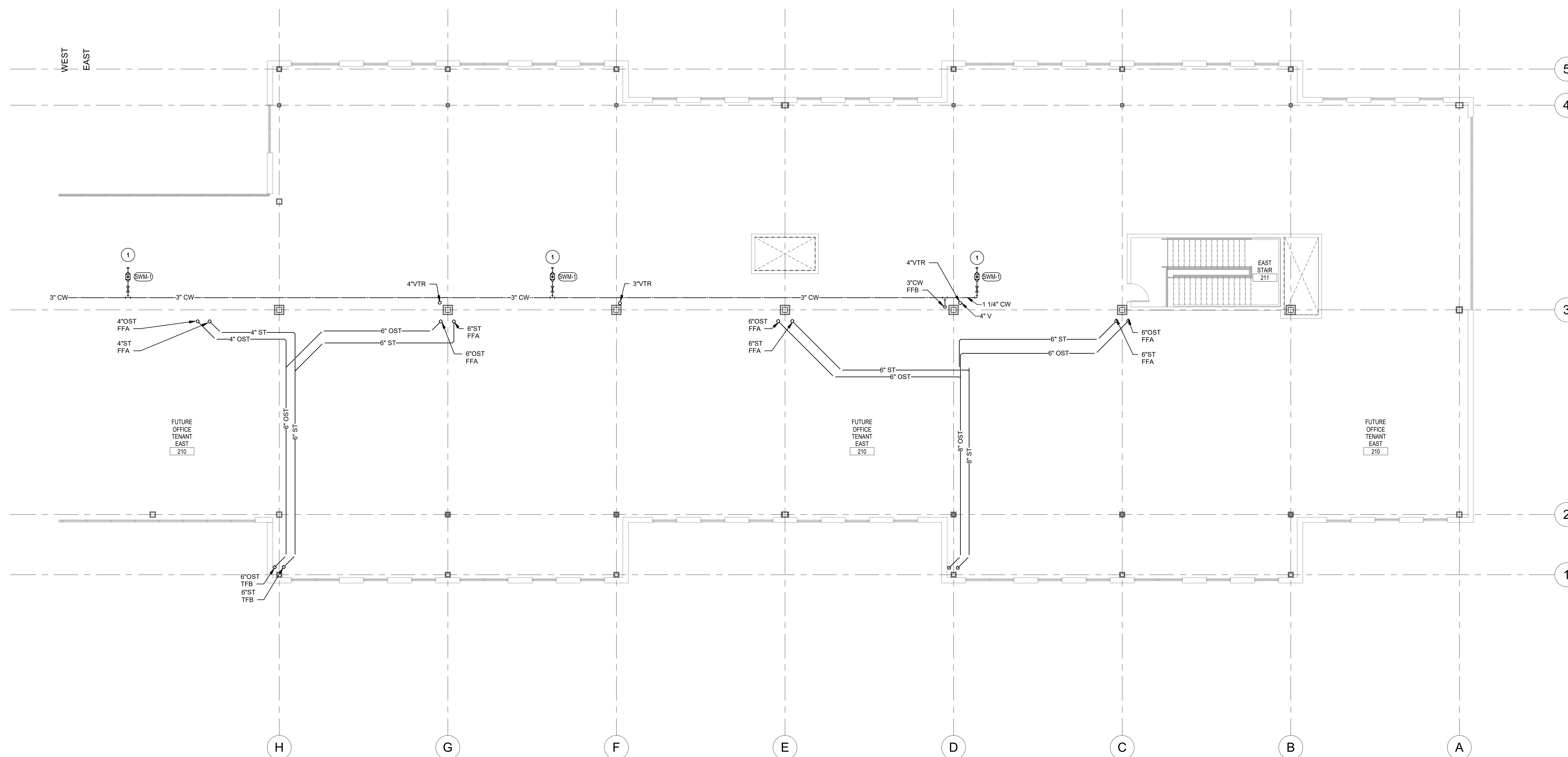


SHEET TITLE

PLUMBING
SECOND FLOOR
PLAN - EAST

SHEET NUMBER

P102.2



① PLUMBING SECOND FLOOR PLAN - EAST
1/8" = 1'-0"



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

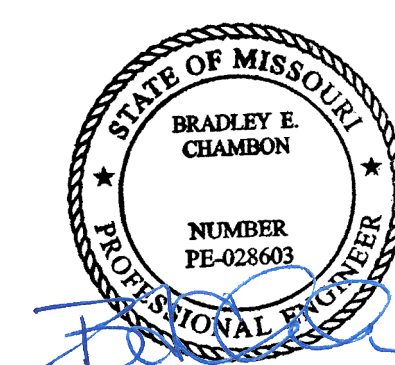
Project No.: 19050.01a

Date: 06.02.22

Issued For: ADDENDUM 1

[illegible]

REGISTRATION



06/03/2022

BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL	GBA
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LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

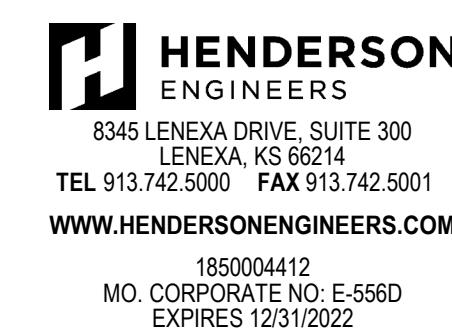
STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERSELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC

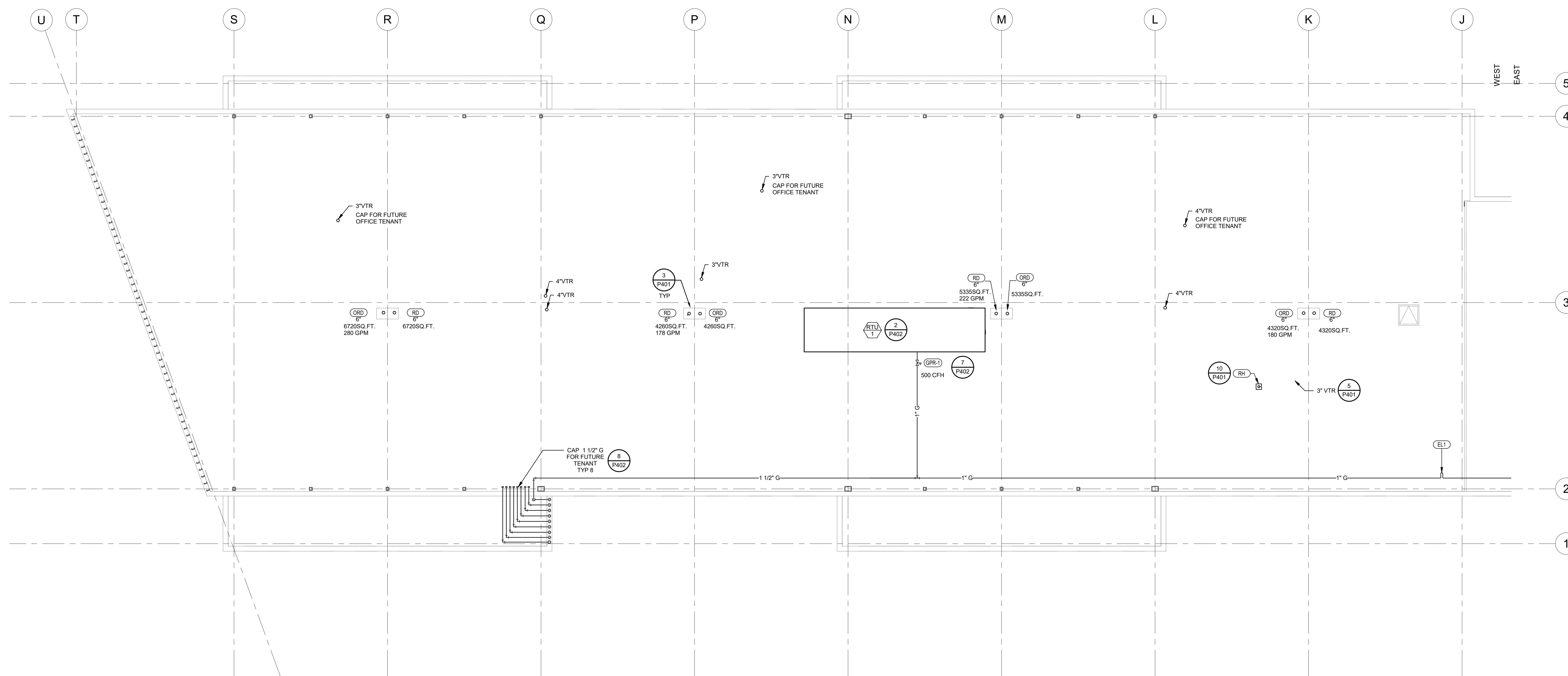


SHEET TITLE

PLUMBING
ROOF PLAN -
WEST

SHEET NUMBER

P201.1



① PLUMBING ROOF PLAN - WEST
1/8" = 1'-0"

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01a
Date:	06.02.22
Issued For:	ADDENDUM 1

[illegible]

REGISTRATION



06/03/2022

BRADLEY E. CHAMBON
LICENSE # 028603

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL	GBA
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LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC



8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM

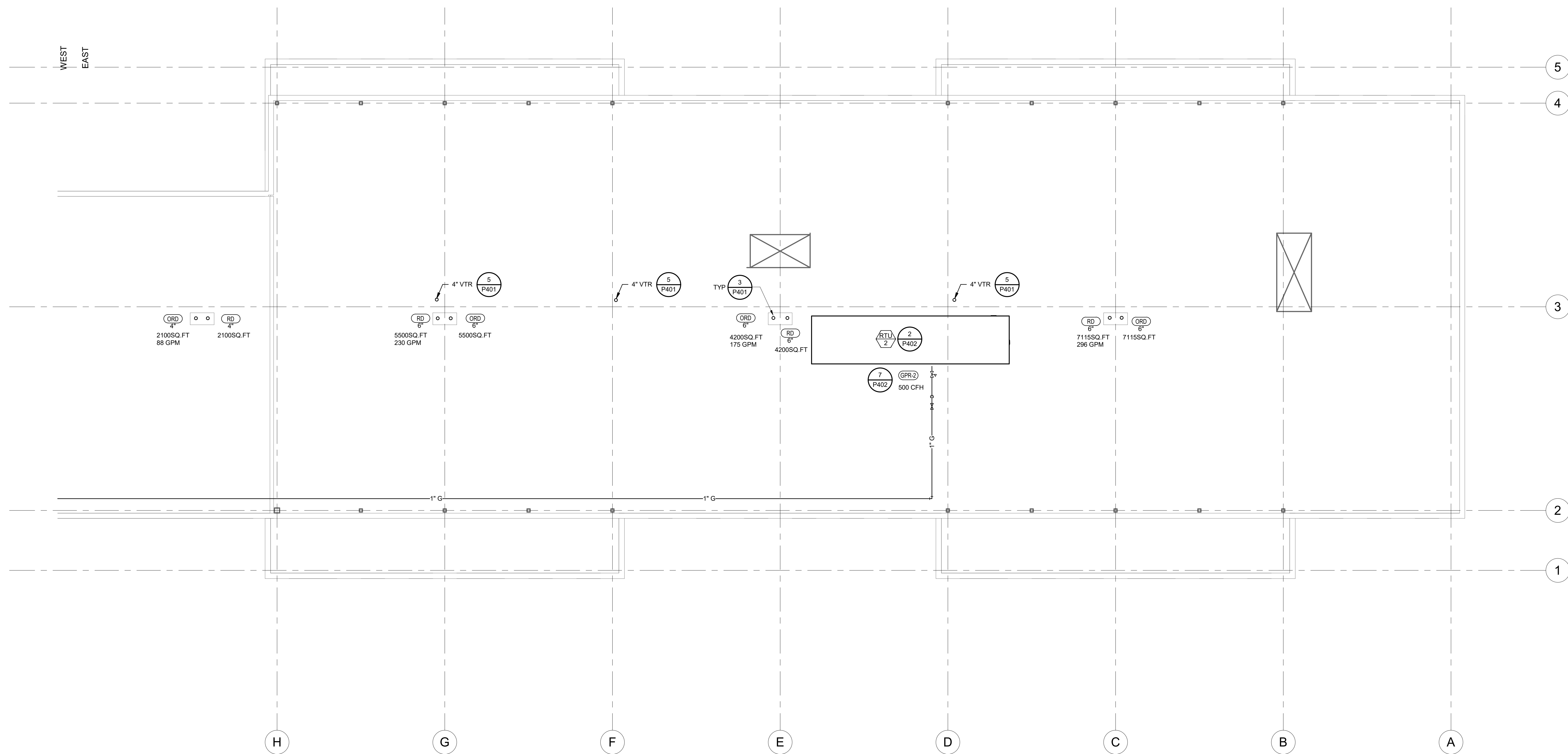
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

PLUMBING
ROOF PLAN -
EAST

SHEET NUMBER

P201.2



① PLUMBING ROOF PLAN - EAST
1/8" = 1'-0"



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: **ADDENDUM**

[illegible]

REGISTRATION



06/03/2022

BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC



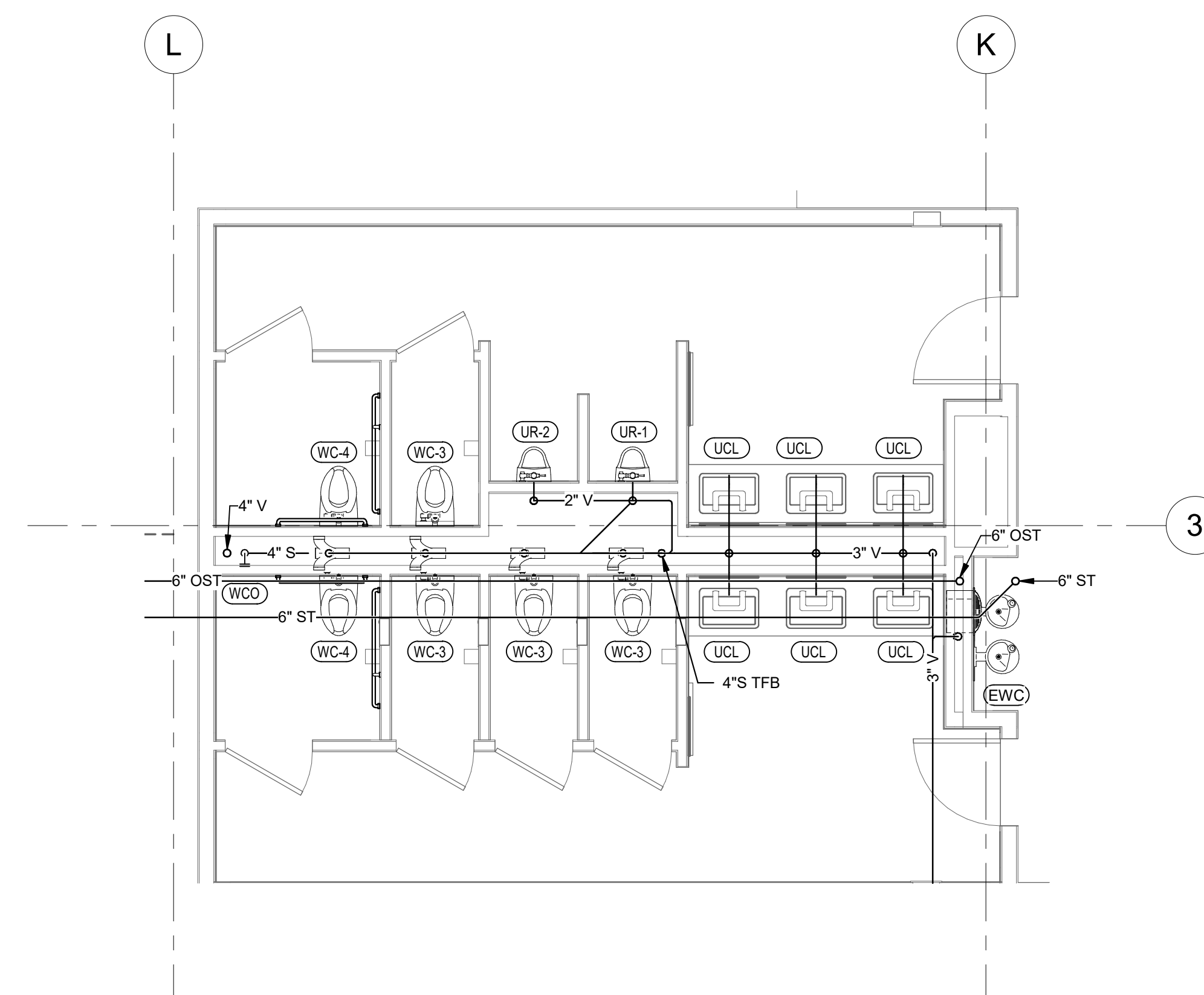
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

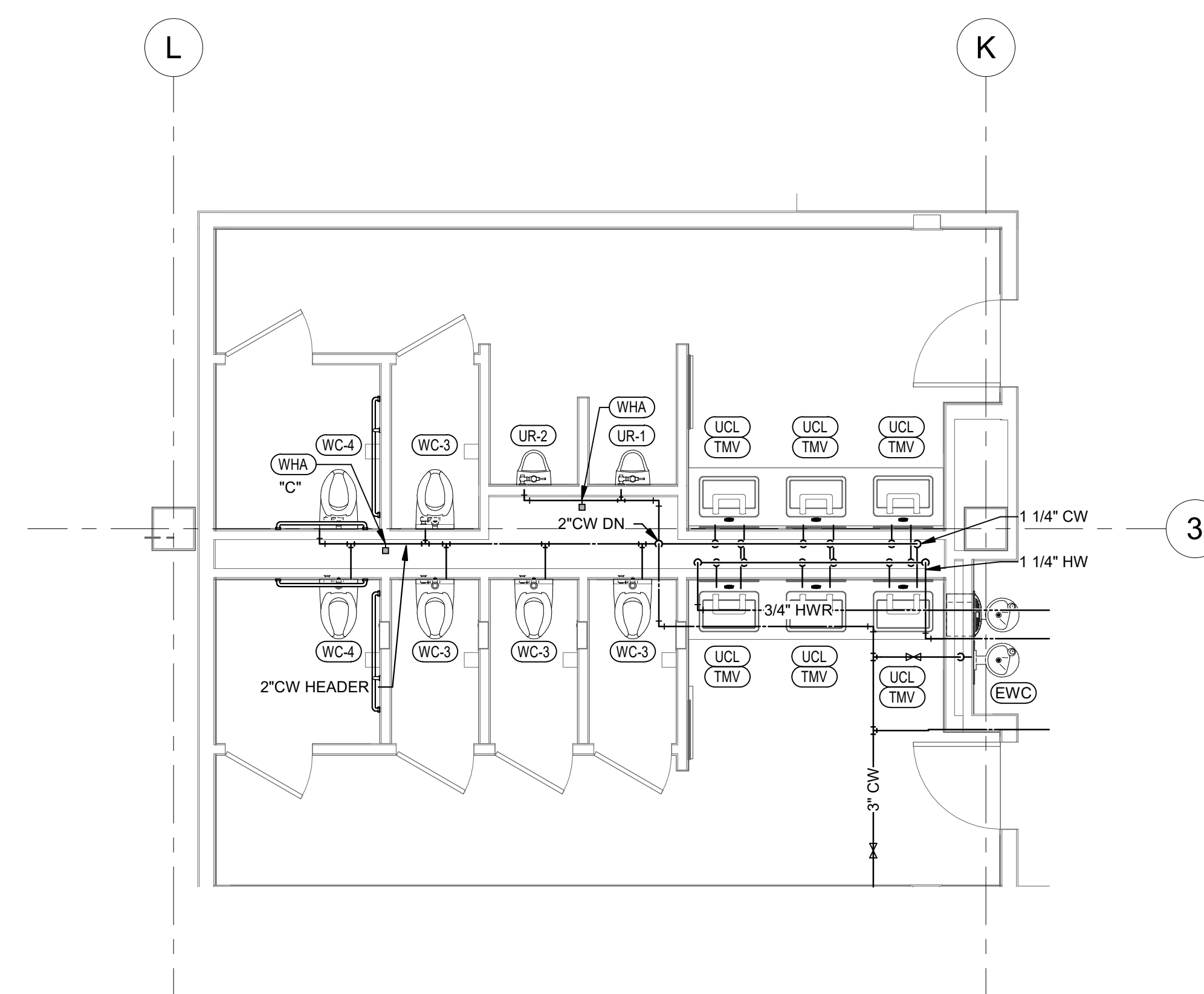
PLUMBING ENLARGED PLANS

SHEET NUMBER

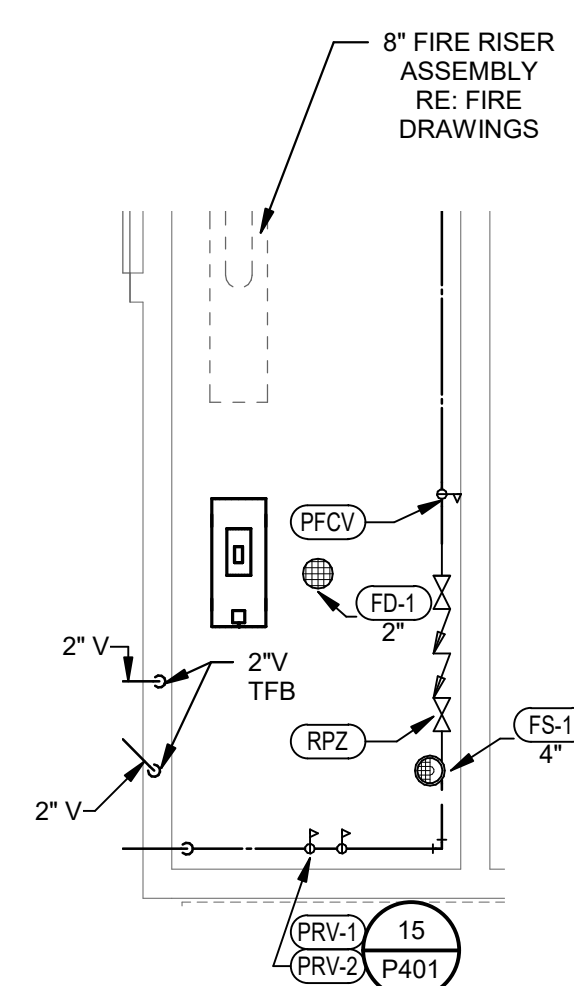
P301



③ PLUMBING SECOND FLOOR RR CORE PLAN W&V
1/4" = 1'-0"



① PLUMBING SECOND FLOOR RR CORE PLAN
1/4" = 1'-0"



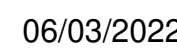
② PLUMBING FIRST FLOOR WATER ENTRY
1/4" = 1'-0"

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: ADDENDUM

REGISTRATIO

BRADLEY E. CHAMBON

HENDERSON
ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

SHEET NUMBER

P501

NOTES:

- NOTES:

OTES:

- NOTES:

- NOTE: PIPE SIZES SHOWN ARE MINIMUM.

Grand total

NATURAL GAS SYSTEM OPERATING PRESSURE OF 2.0 PSI.

NATURAL GAS SYSTEM SIZED WITH TOTAL DEVELOPED LENGTH FROM GAS METER TO MOST REMOTE PIECE OF EQUIPMENT OF 700' WITH A PRESSURE DROP OF 1.5 PSI.

SPECIFIC GRAVITY OF GAS =	0.61
UPSTREAM PRESSURE (PSI) =	2
DOWNSTREAM PRESSURE (PSI) =	0.5
PRESSURE LOSS (PSI) =	1.5
TOTAL DEVELOPED LENGTH (FEET) =	700

SIZED WITH HAZEN WILLIAMS CONSTANT

NOTES

- C:\Revit\Projects\1850004412 Paragon Star Development MEPF V21 mariomata-rodriguez 20220603084433.rvt



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: **ADDENDUM**

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REGISTRATION



06/03/2022

BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

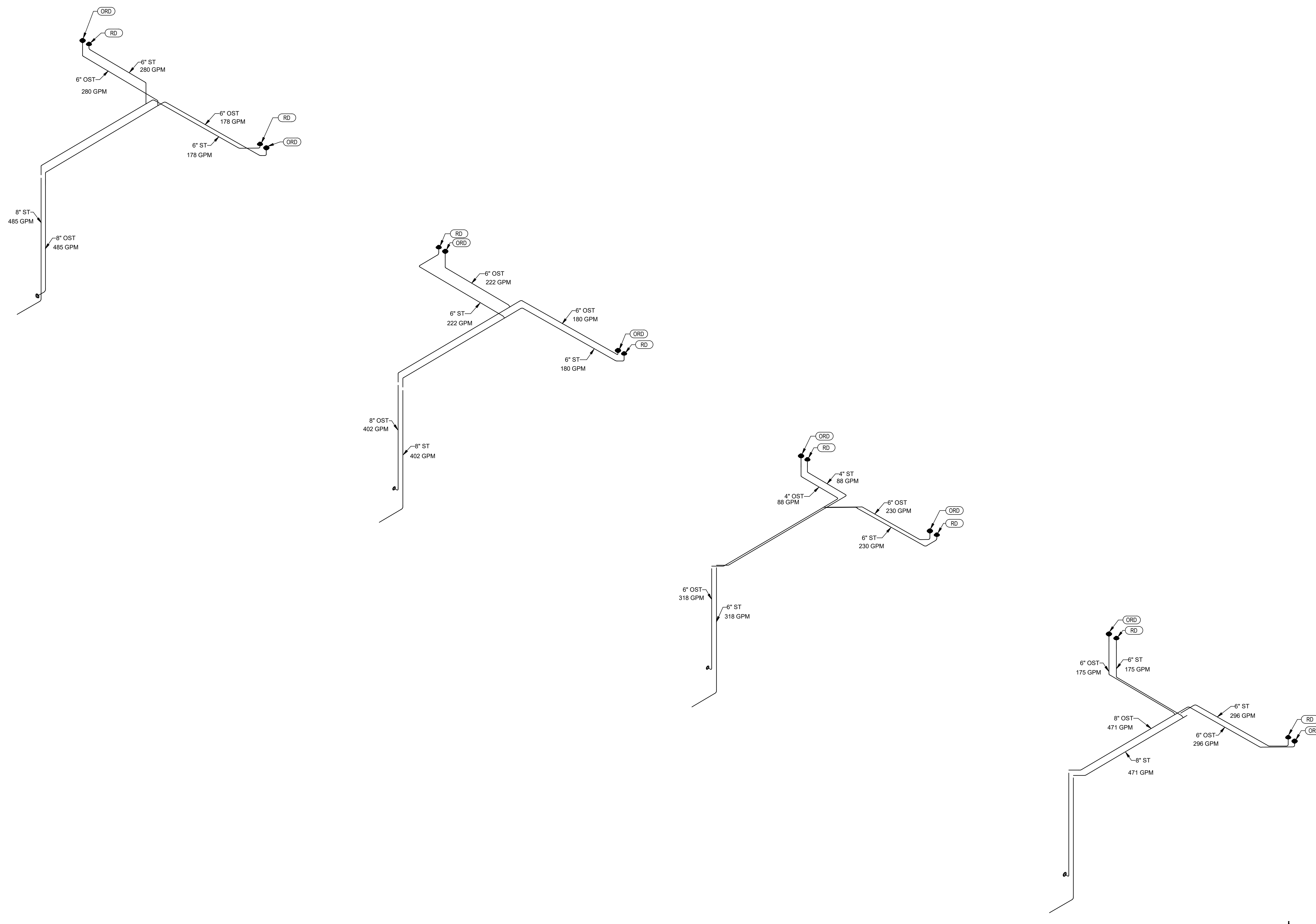


SHEET TITLE

PLUMBING STORM RISER DIAGRAM

SHEET NUMBER

P601



① PLUMBING STORM RISER DIAGRAM

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01a
Date:	06.02.22
Issued For:	ADDENDUM 1

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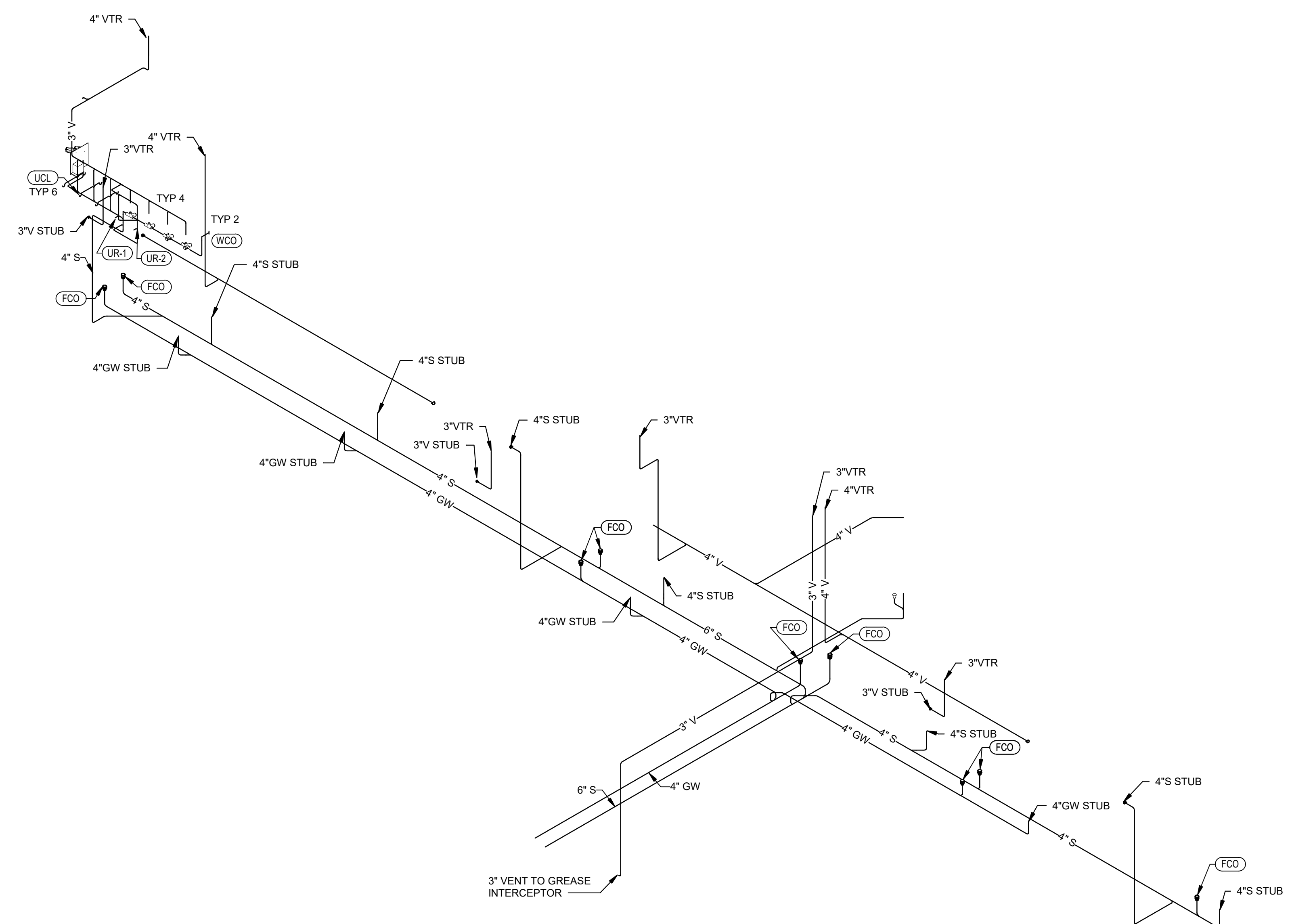
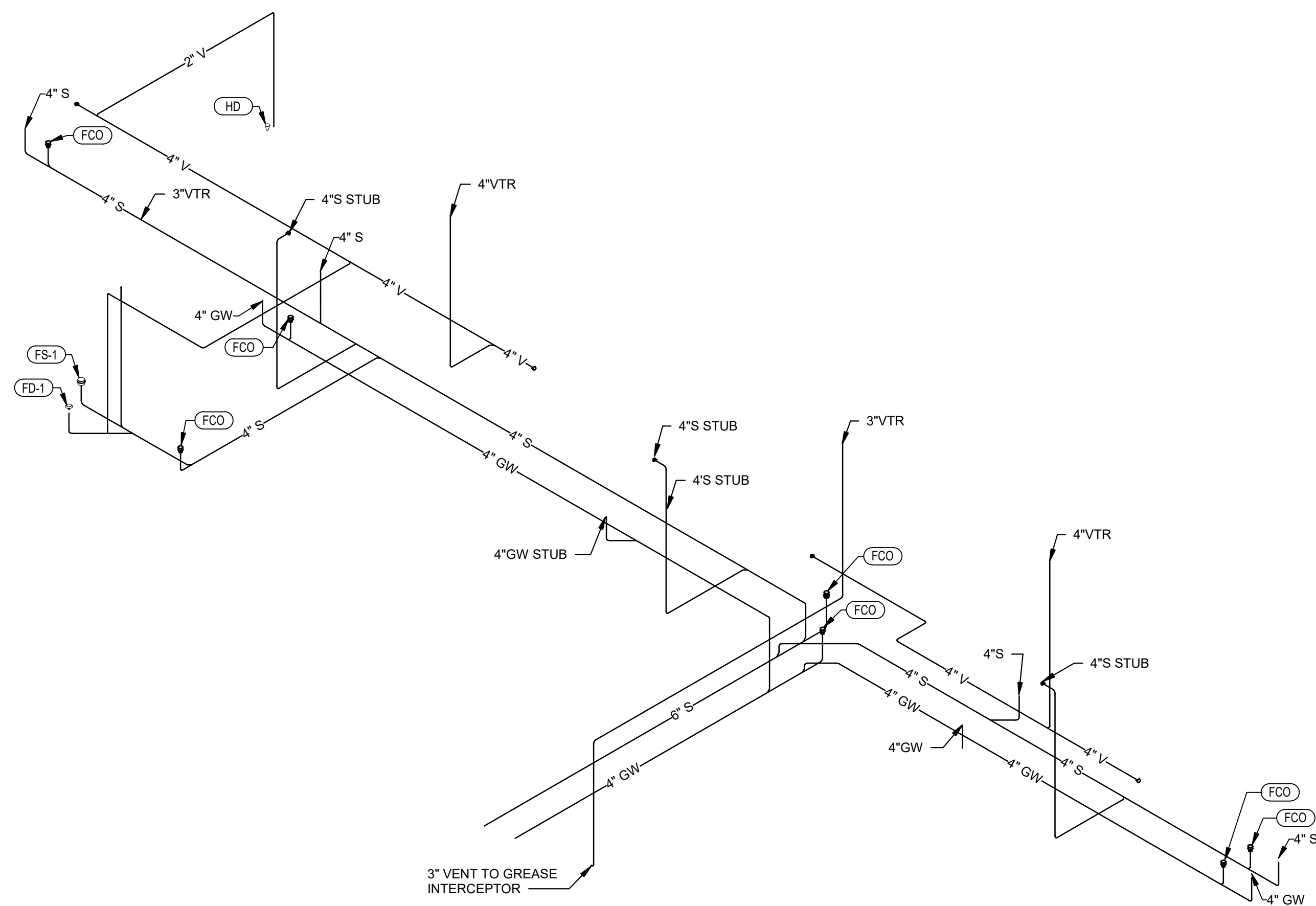
PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC



SHEET NUMBER

P602



① PLUMBING WASTE AND VENT RISER DIAGRAM



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: **ADDENDUM 1**

[illegible]

REGISTRATION



06/03/2022

BRADLEY E. CHAMBERLAIN
LICENSE # 028603

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL	GBA
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LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC

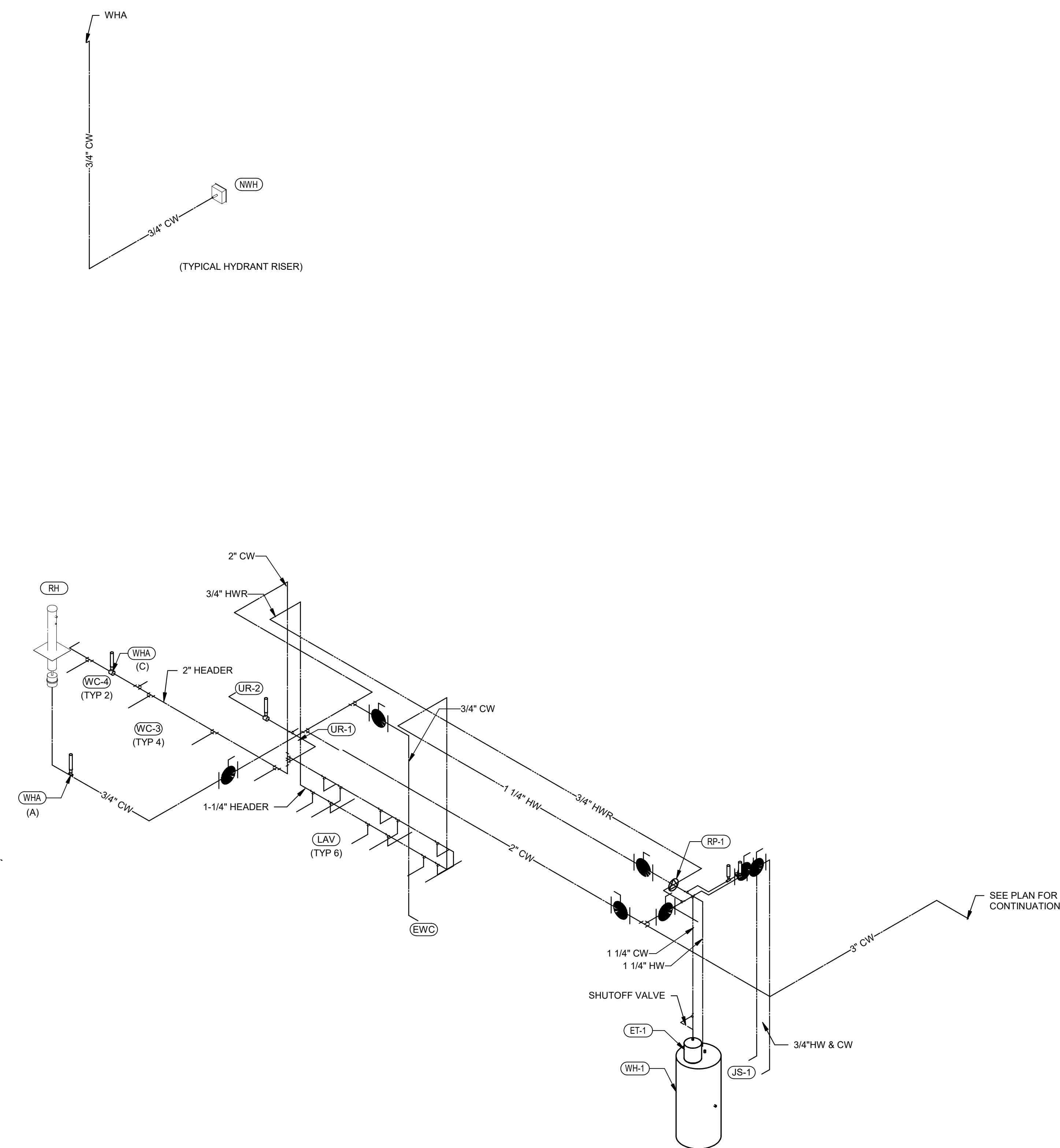


SHEET TITLE

PLUMBING WATER RISER DIAGRAM

SHEET NUMBER

P603



① PLUMBING WATER RISER

Division 22- PLUMBING

1. GENERAL INSTRUCTIONS

A. GENERAL REQUIREMENTS

All requirements under Division 01 and the general and supplementary conditions of these specifications apply to this division and division. Where the requirements of this section and division exceed those of Division 01, this section and division take precedence. Become thoroughly familiar with all its contents as to requirements that affect this division, section, or both. Work required under this division includes all material, equipment, appliances, transportation, services and labor required to complete the entire system as required by the drawings and specifications, or reasonably inferred to be necessary to facilitate the function of each system as implied by the design and equipment specified.

The specifications and drawings for the Project are complementary, and any portion of work described in one shall be provided as if described in both. In the event of discrepancies, notify the Engineer and request clarification prior to proceeding with the work involved.

Drawings are graphic representations of the work upon which the contract is based. They show the materials and their relationships to one another, including sizes, shapes, locations, and connections. They convey the scope of work, indicating the intended general arrangement of the system and all of the exact details as to elevations, offsets, dimensions, controls, lines, and other installation requirements. Use the drawings as a guide when laying out the work and to verify that materials and equipment will fit into the designated spaces, and which when installed per manufacturers' requirements, will ensure a complete, coordinated, satisfactory, and properly operating system.

B. DEFINITIONS

Division: References contained in this specification follow the numbering system defined in the Construction Specifications Institute (CSI) MasterFormat 2004 Edition. Specification Divisions 01 through 13 provided with this project may reference the CSI MasterFormat 1995 Edition. The corresponding division references between the 2004 Edition and 1995 Edition are as follows:

2004 Edition	1995 Edition
Division 21 - Fire Suppression	Division 21
Division 22 - Plumbing	Division 22
Division 23 - HVAC	Division 23
Division 24 - Electrical	Division 24
Division 25 - Communications	Division 25
Division 26 - Electronic Safety and Security	Division 26

Furnish: "to supply and deliver to the project site, ready for unloading, unpacking, assembly, installation and similar operations."

Install: "to perform all operations at the project site including, but not limited to, the actual unloading, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, testing, commissioning, starting up and similar operations, complete and ready for the intended use."

Provide: "to furnish and install, complete and ready for the intended use."

Furnished by Owner (or Owner-Furnished) or Furnished by Others: "an item furnished by the Owner or under other divisions or contracts, and installed under the requirements of this division, complete, and ready for the intended use, including all items and services incidental to the work necessary for proper installation and operation, and include the installation under the warranty required by this division."

Engineer: Where referenced in this Division, "Engineer" is the Engineer of Record and the Design Professional for the work under this division, and is a consultant to, and an authorized representative of the Architect, as defined in the General and/or Supplementary Conditions. When used in this Division, Engineer means independent involvement by and obligations to the Engineer, in addition to involvement by and obligations to the Architect.

AHJ: The local code and/or inspection agency (Authority) Having Jurisdiction over the work.

NRTL: Nationally recognized testing laboratory, as defined and listed by OSHA in 29 CFR 1910.7 (e.g., UL, ETL, CSA), and acceptable to the AHJ over this project. Nationally recognized testing laboratories and standards listed are used only to represent the characteristics required and are not intended to restrict the use of other NRTLs that are acceptable to the AHJ and standards that meet the specified criteria.

Substitution: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor. Substitutions include Value Engineering proposals.

Substitutions for Convenience: Changes proposed by Contractor or Owner that are not required in order to meet other Project requirements but may offer advantage to Contractor or Owner.

The terms "approved equal," "equivalent," or "equal" are used synonymously and shall mean "accepted by or acceptable to the Engineer as equivalent to the item or manufacturer specified." The term "approved" shall mean listed, labeled, listed, or both, by an NRTL, and acceptable to the AHJ over this project.

The term lead free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content of less than or equal to 0.25% per safe drinking water act as amended January 4, 2011 Section 1417.

C. PREBID SITE VISIT

Prior to submitting bid, visit the site of the proposed work and become fully informed as to the conditions under which the work is to be done. Failure to comply with this requirement shall not be considered sufficient justification to request or obtain extra compensation over and above the contract price.

D. MATERIAL AND WORKMANSHIP

Provide new material, equipment, and apparatus under this contract unless otherwise stated herein, of best quality normally used for the purpose in good commercial practice, and free from defects. Install material and equipment in accordance with the manufacturer's installation instructions. Model numbers listed in specifications or shown on the drawings are not necessarily intended to designate the required item, written descriptions of the item govern model numbers.

Pipe, pipe fittings, pipe specialties and valves shall be manufactured in plants located in the United States or certified to meet the specified ASTM and ANSI standards.

Work performed under this contract shall provide a neat and "workmanlike" appearance when completed, to the satisfaction of the Architect and Engineer. Workmanship shall be the first priority by experienced mechanics. Installations shall comply with applicable codes and laws.

The complete installation shall function as designed and intended with respect to efficiency, capacity, noise level, etc. Abnormal noise caused by rattling equipment, piping and squeaks in rotating components shall not be acceptable. Materials and equipment shall be of the minimum specification grade in quality. Light duty and residential grade equipment shall not be accepted unless otherwise indicated.

Remove from the premises waste material present as a result of his work, including cartons, crating, paper, slacks, and/or excavation material not used in backfilling, etc. Clean equipment installed under this contract to present a neat and clean installation at the termination of the work.

Repair or replace pipe and private property damaged as a result of work performed under this contract to the satisfaction of authorities and regulations having jurisdiction. Provide all safety lights, guards, and warning signs required for the performance of the work and for the safety of the public.

E. MANUFACTURERS

In other articles where lists of manufacturers are introduced, subject to compliance with requirements, provide products from one of the manufacturers specified.

Where a list is provided, manufacturers are listed alphabetically and not in accordance with any ranking or preference.

Where manufacturers are not listed, provide products subject to compliance with requirements from manufacturers that have been actively involved in manufacturing the specified product for no less than 5 years.

F. COORDINATION

Coordinate work with that of other trades so that the various components of the systems are installed at the proper time, will fit the available space, and will not require excessive alterations or modifications. Components which are installed without regard to the above shall be relocated at no additional cost to the Owner.

Unless otherwise indicated, General Contractor shall provide shades and openings in building construction required for installation of the systems specified herein. Contractor shall furnish the General Contractor with information where shades and openings when required. Contractor shall keep informed as to the work of other trades engaged in the construction of the project and shall execute his work in such a manner as not to interfere with or delay the work of other trades.

Figured dimensions shall be taken in preference to scaled dimensions. Contractor shall take his own measurements at the building, as variations may occur. Contractor shall be held responsible for errors which could have been avoided by proper checking and verification.

Provide materials with trim that will properly fit the types of ceiling, wall, or floor finishes actually installed. Model numbers listed in the specifications or shown on the drawings are not intended to designate the required trim.

G. ORDINANCES AND CODES

Work performed under this contract shall, at a minimum, be in conformance with applicable national, state and local codes having jurisdiction. Equipment furnished and associated installation work performed under this contract shall be in strict compliance with current applicable codes adopted by the local AHJ, including any amendments and standards as set forth by the following:

- National Fire Protection Association (NFPA)
- Underwriters Laboratories (UL)
- Occupational Safety and Health Administration (OSHA)
- American Society of Mechanical Engineers (ASME)
- American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE)
- American National Standards Institute (ANSI)
- American Society of Testing Materials (ASTM)
- Other national standards and codes where applicable.

Where the contract documents exceed the requirements of the referenced codes, standards, etc., the contract documents shall take precedence. Where conflicts between various codes, ordinances, rules, and regulations exist, comply with the most stringent.

Promptly bring all conflicts observed between codes, ordinances, rules, regulations, referenced standards, and these documents to the attention of the Architect and Engineer for final resolution. Contractor will be held responsible for any action of the law.

Procure and pay for permits and licenses required for the accomplishment of the work herein described. Where required, obtain, pay for, and furnish certificates of inspection to Owner.

H. PROTECTION OF EQUIPMENT AND MATERIAL

Store and protect from damage equipment and material after delivery to job site. For materials and equipment susceptible to changing weather conditions, dampness, or temperature variations, store inside in conditioned spaces. For materials and equipment not susceptible to these conditions, cover with waterproof, tear-resistant, heavy tarp or polyethylene plastic as required to protect from plaster, dirt, paint, water, or physical damage. Equipment and material damaged by construction activities shall be rejected and Contractor shall furnish new equipment and material of a like kind at his own expense.

Keep premises broom clean of foreign material created during work performed under this contract. Piping, equipment, etc. shall have a neat and clean appearance at the termination of the work.

Plug or cap open ends of piping systems while stored and installed during construction when not in use to prevent the entrance of debris into the system.

Keep the manufacturer-provided protective coverings on floor drains, floor sinks and trench drains during construction. Remove coverings at the termination of the work and polish exposed surfaces.

I. SUBSTITUTIONS

Materials, products, equipment, and systems described in the Bidding Documents establish a standard of required function, dimension, appearance and quality to be met by the proposed substitution. The base bid shall include only the products from manufacturers specifically named in the drawings and specifications. To request a substitution, request the Substitution Request Form from the Architect or Engineer. Complete and send the Substitution Request Form for each material, product, equipment, or system that is proposed to be substituted. The burden of proof of the merit of the proposed substitution is upon the proposer.

Unless stated otherwise in writing to the Engineer by the Contractor, Contractor warrants to the Engineer, Architect, and Owner the following:

- Proposed substitution has been fully investigated and determined to meet or exceed the specified Work in all respects unless stated otherwise in the substitution request.
- Proposed substitution is consistent with the Contract Documents and will produce indicated results, including functional clearances, maintenance service, and sourcing of replacement parts.
- Proposed substitution has received necessary approvals of authorities having jurisdiction.
- Same warranty will be furnished for proposed substitution as for specified Work.
- If accepted substitution fails to perform as required, Contractor shall replace substitute material or system with that originally specified and bear costs incurred thereby.
- Coordination, installation and changes in the Work as necessary for acceptance substitution will be complete with all respects.

No substitutions will be considered unless the Substitution Request Form is completed and attached with the appropriate substitution documentation. No substitution will be considered prior to receipt of bids unless written request for approval to bid has been received by the Engineer at least ten (10) calendar days prior to the date for receipt of bids.

If the proposed substitution is approved prior to verbal bids, such approval will be stated in an addendum. Bidders shall not rely upon approvals made in any other way. Repeat approval will not be given. No substitutions will be considered after the contract is awarded unless specifically provided in the contract documents.

J. SUBMITTALS

Assemble and submit for review shop drawings, material lists, manufacturer product literature for equipment to be furnished, and items requiring coordination between contractors under this contract. Provide submittals in sufficient detail so as to demonstrate complete understanding of the materials, equipment, and methods of construction. Verify that the equipment submitted is mutually compatible and suitable for the intended use, will fit the available space, and maintain manufacturer recommended service clearances. If the size of equipment furnished makes necessary any change in location or configuration, submit a shop drawing showing the proposed layout.

Transmit submittals as early as required to support the project schedule. Allow for two weeks Engineer review time, plus toll free mailing time via the Architect, plus a duplication of this time for resubmission, if required. Only identify those sections requested for resubmission.

Submittals shall contain the project name, applicable specification section, submittal date, equipment identification acronym as used on the drawings, and the Contractor's stamp. The stamp shall certify that the submittal has been checked by the Contractor, complies with the drawings and specifications, and is coordinated with other trades.

Manufacturer product literature shall include shop drawings, product data, performance sheets, samples and other submittals required by this division. Highlight, mark, list, or indicate the materials, performance criteria, and accessories that are being proposed. General product catalog data not specifically noted to be part of the specified product will be rejected and returned without review.

Submittals and shop drawings shall not contain the firm name, logo, seal, or signature of the Engineer. They shall not be copies of the work product of the Engineer. If the Contractor desires to use elements of such product, refer to paragraph "Electronic Drawing Files" for procedures to be used.

Separate submittals according to individual specification sections. Illegible submittals will be rejected and returned without review. Catalog data shall be properly bound, identified, indexed and labeled in a 3-ring binder. Each item or model number shall be clearly marked and accessories identified. Label the catalog data with the equipment identification acronym or number as used on the drawings and include performance curves, capacities, sizes, weights, materials, finishes, wiring diagrams, electrical requirements and deviations from specified equipment or materials. For equipment with motor starters or VFDs, include short circuit current ratings. Mark out inapplicable items. Shop drawings will be returned without review if the above mentioned requirements are not met.

Provide the quantity of submittals required by Division 01. If not indicated and hard-copy sets are provided, submit a minimum of six (6) copies. Refer to Division 01 for acceptance of electronic submittals for this project. For electronic submittals, Contractor shall submit the documents in accordance with the procedures specified in Division 01. Contractor shall notify the Architect and Engineer that the submittals have been prepared and submitted.

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F. ROUGH-IN

Coordinate without delay all rough-in with other divisions. Conceal piping, conduit, and rough-in except in unfinished areas and where otherwise shown.

G. CONCRETE BASES

Provide concrete bases (e.g., housekeeping pads) for equipment where indicated on the drawings and as specified herein. Concrete bases shall have chamfered edges. Size of base shall be a minimum of 4 inches greater than the footprint of the equipment that it is supporting and shall have a minimum height as described below.

Owner the following:

Construct equipment bases of a minimum 28 day, 4000 psi concrete conforming to American Concrete Institute Standard Building Code for Reinforced Concrete (ACI 318-99) and the latest applicable recommendations of the ACI standard 2. Proposed substitution is consistent with the Contract Documents and will produce indicated results, including functional clearances, maintenance service, and sourcing of replacement parts.

Same warranty will be furnished for proposed substitution as for specified Work.

If accepted substitution fails to perform as required, Contractor shall replace substitute material or system with that originally specified and bear costs incurred thereby.

Coordination, installation and changes in the Work as necessary for acceptance substitution will be complete with all respects.

Provide galvanized anchor bolts for equipment placed on concrete equipment bases and housekeeping pads or on concrete slabs. Anchor bolts size, number and placement shall be as recommended by the manufacturer of the equipment.

Concrete equipment bases shall have minimum heights in accordance with the following:

For water heaters minimum height is 3'-1/2" inches.

Structural steel supports for pipe supports, equipment supports, etc., shall be new and clean, and shall conform to ASTM designation A-36.

Support plumbing equipment and piping from the building structure. Do not support plumbing equipment and piping from ceilings, other mechanical or electrical components, and other non-structural elements.

Manufacturer product literature shall include shop drawings, product data, performance sheets, samples and other submittals required by this division. Highlight, mark, list, or indicate the materials, performance criteria, and accessories that are being proposed. General product catalog data not specifically noted to be part of the specified product will be rejected and returned without review.

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FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

[illegible]

BRADLEY E. CHAMBERLAIN
LICENSE # 028603

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

GBA

LANDSCAPE LAND 3

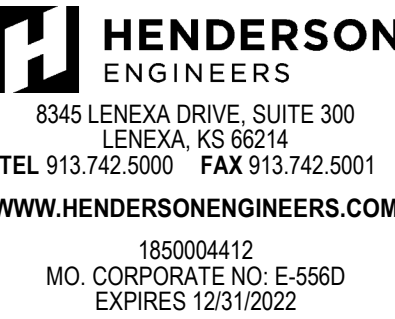
FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERSELECTRICAL
HENDERSON
ENGINEERS

ENGINEERS



SHEET TITLE

SHEET NUMBER

SHEET NUMBER

P702

A. PLUMBING FIXTURES

B. PLUMBING FIXTURE TRIM

Fixture trim shall have the manufacturer's name stamped clearly and visibly on each item

Provide diaphragm type flush valves as specified on drawings: Sloan or equal by Delaney or Zurn

Provide Smith, Josam, Wade, Watts, or Zurn chair carriers for mounting wall mounted water closets and lavatories as described on the drawings. Securely fasten carriers to floor and test per manufacturer's recommendations prior to installation of partitions. Secure wall-mounted water closet carriers to floor with 3/8 inch anchor bolts, including the anchor foot. Secure lavatory chair carriers to floor with 1/2 inch anchor bolts.

C. WATER HEATER

Water heater shall be by A.O. Smith, Bradford-White, Lochinvar, State, HTP, Rheem or Ruud with capacity as scheduled on the drawings. Unit shall be electric glass-lined tank type complete with steel jacket, fiberglass insulation, magnesium anode, integral thermostats and controls, and temperature & pressure relief valve. Water heater shall be UL listed and meet ASHRAE 90.1B standards for thermal efficiency and standby heat loss.

Temperature and Pressure Relief Valve: lead free brass body meeting ANSI Z21.22, The temperature shall be normally set to relieve at 210 F and the pressure relief shall be equal to the tank pressure rating . Install line size relief valve discharge line to discharge to an approved receptor with air gap.

Vacuum Relief Valve: Lead free brass body meeting ANSI Z21.22 with silicon disc. Valve shall open at 0.5 inches HG vacuum and be rated for 200 psig working pressure and 250 F operating temperature by Apollo #37, Cash ACME #VR801, Watts #N36 or Wilkins #VR-10. Install in cold water supply to each water heater downstream of the shutoff and check valves.

Recirculation Pump: By B&G as scheduled on the drawings, or equal by Armstrong, Grundfos or Taco, of all bronze construction with Aquastat and/or timer.

Expansion Tank: Expansion tank shall be Amtrol "Therm-X-Trol" as scheduled on the drawings or equal by Armstrong, Bell & Gossett, Proflo, Taco, or Watts. Unit shall be constructed of welded carbon steel listed for 150 psig working pressure, with a FDA approved butyl rubber diaphragm, taps for pressure gage, air charging fitting, and drain fitting. Support as detailed on the drawings. Charge tank with air pressure equal to the static water pressure.

D. ELEVATOR SUMP PUMP AND HIGH LEVEL ALARM

Sump pumps shall be Weil Pump Company as scheduled on the drawings or equal by ABS Pump or Flygt simplex, vertical, centrifugal, direct connected, air filled motor, end suction, single stage, cast iron body, stainless steel shaft, cast iron impeller, mechanical seal, permanently lubricated upper and lower ball bearings complete with integral inlet strainer, mechanical float switch, and power cord with ground.

Oil Sensing Sump Pump Alarm Panel shall be remote type 120V NEMA 3R panel, oil and water sensor, power cord, receptacle for pump power cord, 85 bd alarm horn, oil present alarm light, water present alarm light, silence switch, test switch and alarm contacts for each alarm condition by Weil Pump Company or SeeWater, Inc.

2. COMMISSIONING

Provide commissioning that verifies and documents the commissioned building systems have been designed, installed, and function according to the owner's project requirements, construction documents, and to minimum code requirements. Retain the services of a third-party registered design professional or approved agency that is regularly engaged in conducting commissioning to develop a commissioning plan, supporting documentation, and reports. Refer to the latest adopted edition of the applicable energy code for more information. Complete all related commissioning requirements prior to final inspections. Submit final TAB report and final commissioning report to the Engineer and Owner within 90 days of the date of receipt of the certificate of occupancy.

ASHRAE 90.1 Commissioning Requirements: Test control systems to ensure the control elements are calibrated, adjusted, and in proper working condition. Commission systems according to ASHRAE Guideline 1.1 "HVAC&R Technical Requirements for the Commissioning Process", most current edition.

IECC Commissioning Requirements: Provide commissioning of all service water heating systems included in the scope of work.

Commissioning plan shall include the following

1. Narrative description of activities and personnel required during commissioning.
2. List of equipment and systems to be tested with description of tests to be performed.
3. List of functions to be tested, including calibration and economizer controls.
4. List of conditions under which the tests shall be performed.
5. List of measurable criteria for performance.

Submit a copy of the preliminary commissioning report to the AHJ. Preliminary commissioning report shall include the following:

1. Results of preliminary functional performance tests. Organize equipment and components specified by other Divisions in separate sections for independent review.
2. List of functional performance testing procedures used during commissioning, including measurable criteria for test acceptance.
3. Completed Commissioning Compliance Checklist. Refer to energy code for the form.
4. Itemization of deficiencies found during testing that have not been corrected at the time of preliminary commissioning report preparation.
5. List of deficiencies that cannot be corrected tests that cannot be performed at the time of preliminary commissioning report preparation because of climatic conditions.
6. List of climatic conditions required for the performance of the deferred tests.

Final commissioning report shall include the following:

1. Results of final functional performance tests. Organize equipment and components specified by other Divisions in separate sections for independent review.
2. List of functional performance testing procedures used during commissioning, including measurable criteria for test acceptance.
3. Itemization of resolved deficiencies found during preliminary commissioning.
4. List of deferred tests that cannot be performed at the time of final commissioning report preparation because of climatic conditions.

Conduct functional performance tests on equipment, controls, and economizers. Functional performance tests shall demonstrate the following:

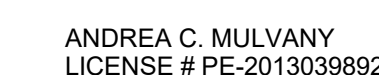
1. The operation, function, and maintenance serviceability for each commissioned equipment, component, and system is confirmed according to the approved plans and specifications.
2. The sequence of operations, including modes, backup modes (if applicable), alarms, and mode of operation upon a loss of power and restoration of power for each control device, equipment, component, and system.
3. Control devices, components, equipment, and systems are calibrated, adjusted, and operate in accordance with the approved plans and specifications.
4. Air economizers operated in accordance with manufacturer's specifications and specified sequence of operation.

END OF SECTION 22

ANDREA C. MULVANY

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Issued For: ADDENDUM 1

REGISTRATION

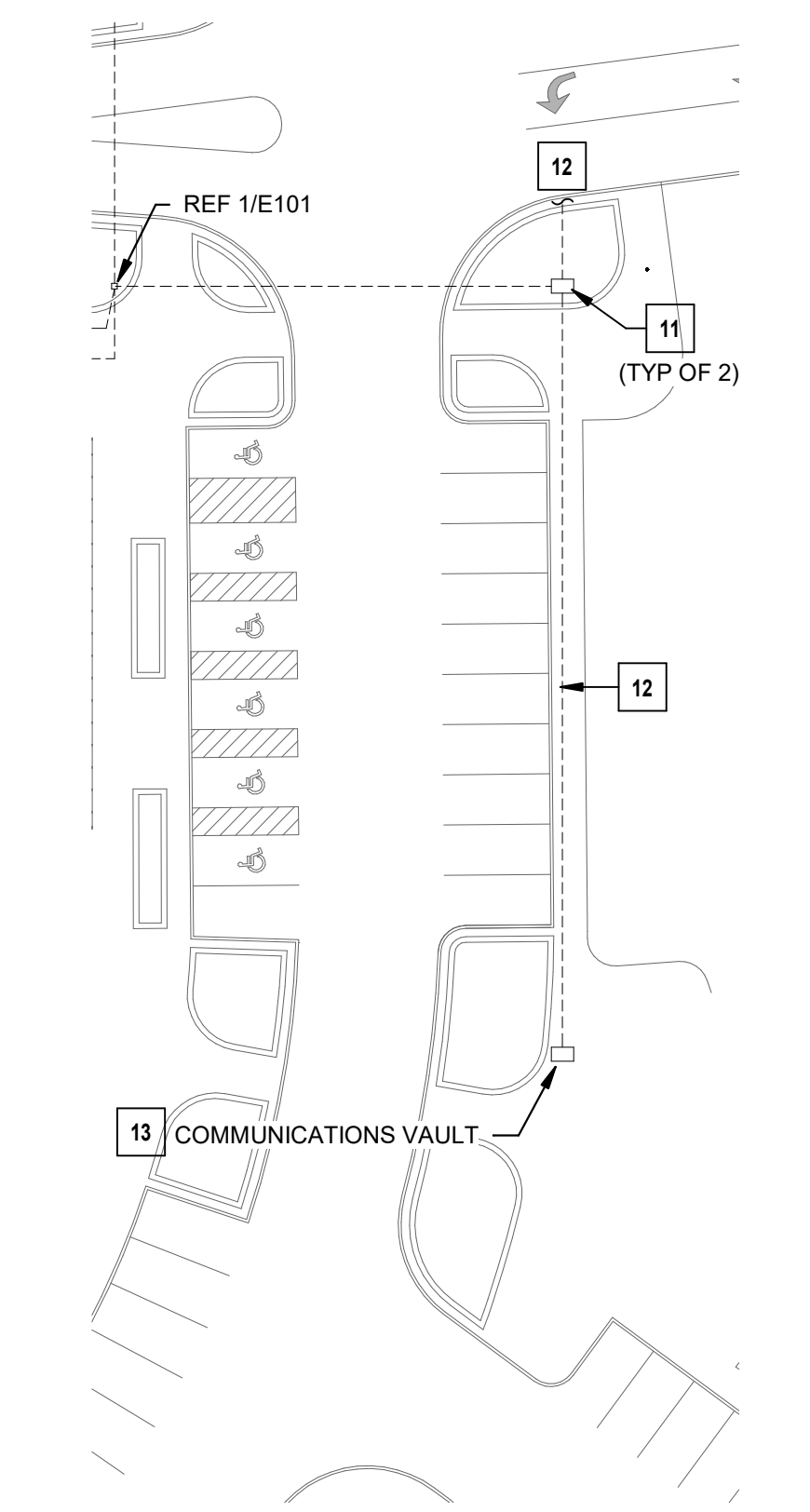
CONTRACTOR GC

ELECTRICAL
SITE PLAN

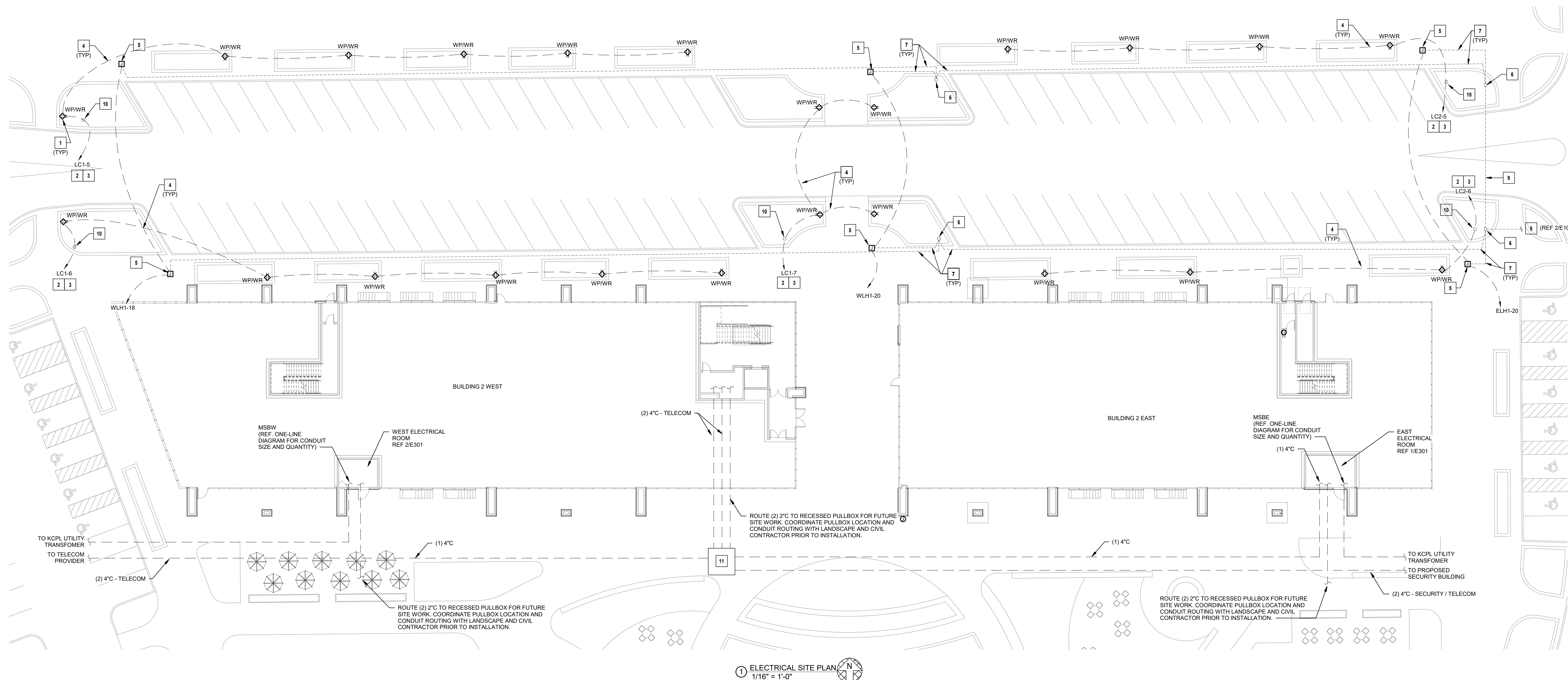
E101

- 1 PROVIDE WEATHERPROOF, WEATHER-RESISTANT RECEPTACLE IN PLANTER. COORDINATE EXACT MOUNTING IN PLANTER WITH CIVIL DRAWINGS FOR EXACT LOCATION.
- 2 PROVIDE 8# AWG IN 1" PVC CONDUIT FOR HOME RUN TO PANELBOARD AS INDICATED. ROUTE CONDUIT VIA 12X12" QUARTZITE BOX AS INDICATED.
- 3 ROUTE CIRCUIT VIA 1" PVC CONDUIT TO CONTROL PANEL IN ELECTRICAL ROOM. REFER TO LIGHTING CONTROL PANEL SCHEDULE ON SHEET E502 FOR ADDITIONAL INFORMATION.
- 4 PROVIDE 10# AWG IN 1" PVC CONDUIT FOR BRANCH WIRING BETWEEN PLANTERS.
- 5 PROVIDE POWER AND DATA STUB-UPS FOR DIGITAL SIDEWALK DISPLAY. COORDINATE FINAL TERMINATION WITH CIVIL DRAWINGS.
- 6 PROVIDE 12X12" QUARTZITE (OR EQUIVALENT) BOX IN PLANTER FOR LOW VOLTAGE DISTRIBUTION. COORDINATE FINAL LOCATION WITH CIVIL DRAWINGS FOR EXACT LOCATION.
- 7 PROVIDE 2" PVC CONDUIT (WITH PULL STRING) FOR DIGITAL SIDEWALK DISPLAY. COORDINATE EXACT LOCATION WITH CIVIL DRAWINGS FOR EXACT LOCATION.
- 8 PROVIDE 3" PVC CONDUIT (WITH PULL STRING) TO 30X38" PULL BOX. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION.
- 9 PROVIDE 3" PVC CONDUIT (WITH PULL STRING) FOR LOW-VOLTAGE DISTRIBUTION. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION.
- 10 PROVIDE 12X12" QUARTZITE (OR EQUIVALENT) BOX IN PLANTER. COORDINATE FINAL LOCATION WITH CIVIL PRIOR TO ROUGH-IN.
- 11 PROVIDE 10X48" QUARTZITE PG3048 SERIES (OR APPROVED EQUIVALENT) PRE-FORMED POLYMER CONCRETE HAND HOLE. PROVIDE OPEN BOTTOM WITH PEA GRAVEL. PROVIDE ANCHOR RATING FOR 1000 LBS. PER SQUARE FOOT AT LOCATION. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION.
- 12 PROVIDE CONDUITS, TWO OF THE CONDUITS SHALL HAVE (1) 2" FIBRIC INNERDUCT. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION.
- 13 COMMUNICATIONS VAULT NEAR HUB BUILDING. REFER TO CIVIL DRAWINGS FOR EXACT LOCATION.

1. REFER TO CIVIL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. COORDINATE THE FINAL LOCATION OF ALL SITE LIGHTING POLES. SIGNAGE, UNDERGROUND UTILITIES, CONDUITS, AND ELECTRICAL TRUNKING. COORDINATE ALL EQUIPMENT WITH CIVIL DRAWINGS, LANDSCAPING DRAWINGS AND OWNER PRIOR TO INSTALLATION.
2. COORDINATE ALL SITE ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER INFORMATION AND OTHER TRADES TO ADJUST ELECTRICAL PROVISIONS AS REQUIRED TO MEET REQUIREMENTS.
3. SITE ELECTRICAL CONDUITS SHALL BE 1" MINIMUM UNLESS NOTED OTHERWISE, WHERE PRACTICABLE. ALL SITE ELECTRICAL CONDUITS SHALL BE INSTALLED A MINIMUM OF 24 INCHES ABOVE GROUND UNLESS OTHERWISE NOTED. COORDINATE FINAL CONDUIT ROUTING WITH EXISTING OBSTRUCTIONS AND OTHER TRADES AND ADJUST AS NECESSARY.
4. CAP AND MARK ALL UNDERGROUND CONDUITS PROVIDED FOR FUTURE USE AND INCLUDE PULL STRINGS. PROVIDE IDENTIFICATION AND LOCATION MARKERS AT ALL POINTS ON AS-BUILT DRAWINGS AND SUBMIT TO OWNER.
5. MINIMUM WIRE SIZE FOR SITE ELECTRICAL CIRCUITS SHALL BE #10 AWG CU, UNLESS NOTED OTHERWISE. ALL SITE ELECTRICAL BRANCH CIRCUIT WIRING SHALL BE SIZED SUCH THAT THE MAXIMUM BRANCH CIRCUIT VOLTAGE DROP IS LESS THAN 3 PERCENT.



② ELECTRICAL SITE PLAN - EXTENDED
1/32" = 1'-0"



① ELECTRICAL SITE PLAN
1/16" = 1'-0"



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: ADDENDUM 1

[illegible]

REGISTRATION



06/03/2022

ANDREA C. MULVANY
LICENSE # PE-2013039892

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC



1801 MAIN STREET, SUITE 300
KANSAS CITY, MO 64108
TEL 816.663.8700 FAX 816.663.8701
WWW.HENDERSONENGINEERS.COM

WWW.HENDERSONENGINEERS.COM

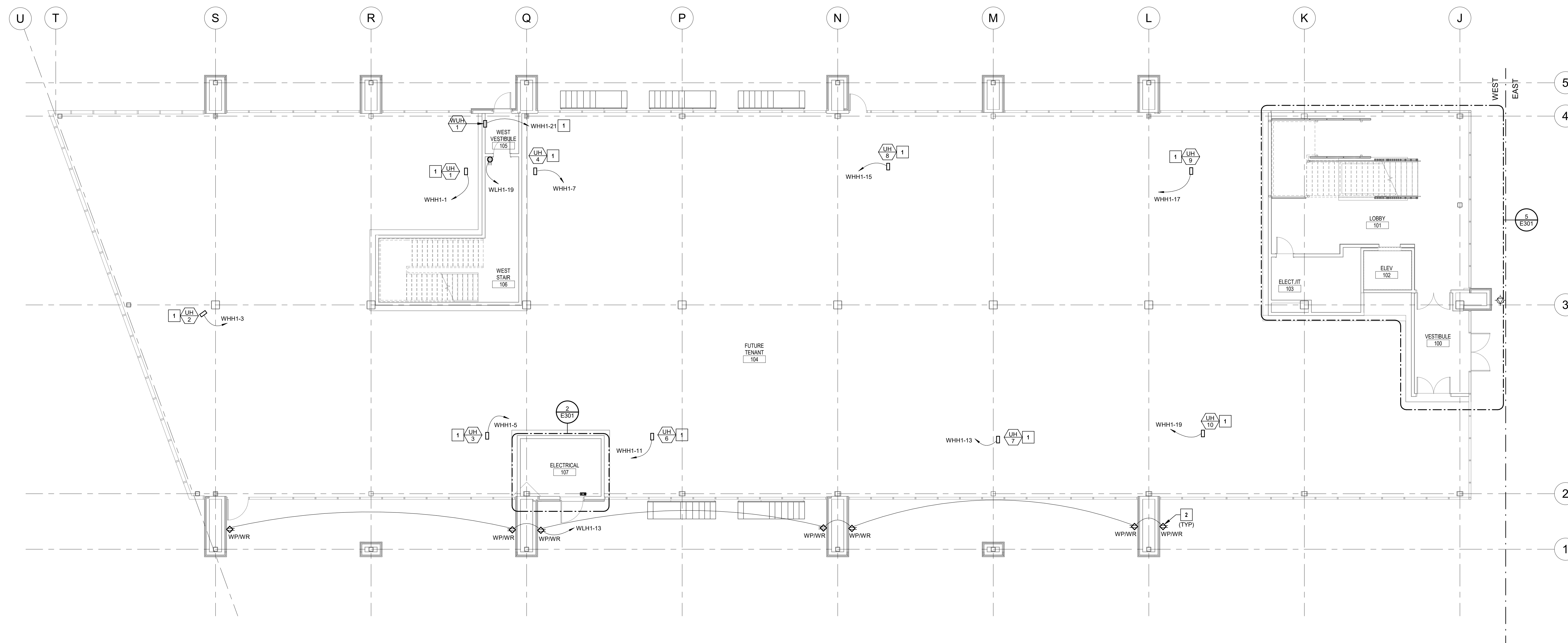
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

ELECTRICAL
FIRST FLOOR
PLAN - WEST

SHEET NUMBER

E101.1



① ELECTRICAL FIRST FLOOR PLAN - WEST
1/8" = 1'-0"



FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Issued For: ADDENDUM 1

[illegible]

REGISTRATION



ANDREA C. MULVANY
LICENSE # PE-2013039892

PROJECT TEAM

ARCHITECT	FINKLE- WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTRAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC



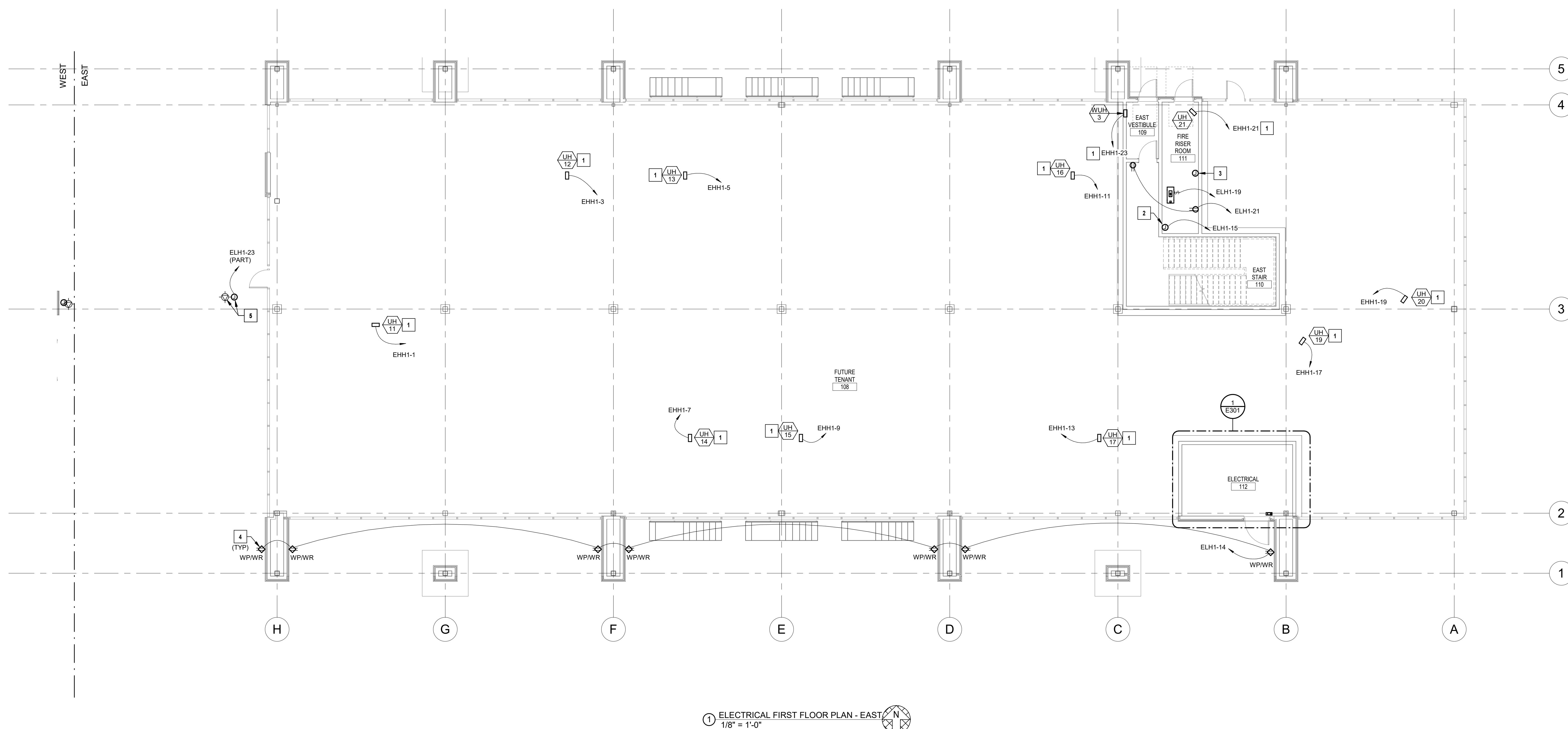
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

ELECTRICAL
FIRST FLOOR
PLAN - EAST

SHEET NUMBER

E101.2



① ELECTRICAL FIRST FLOOR PLAN - EAST
1/8" = 1'-0"

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01a
Date:	06.02.22
Issued For:	ADDENDUM 1

[illegible]

REGISTRATION



06/03/2022
ANDREA C. MULVANY
LICENSE # PE-2013039892

PROJECT TEAM	
ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

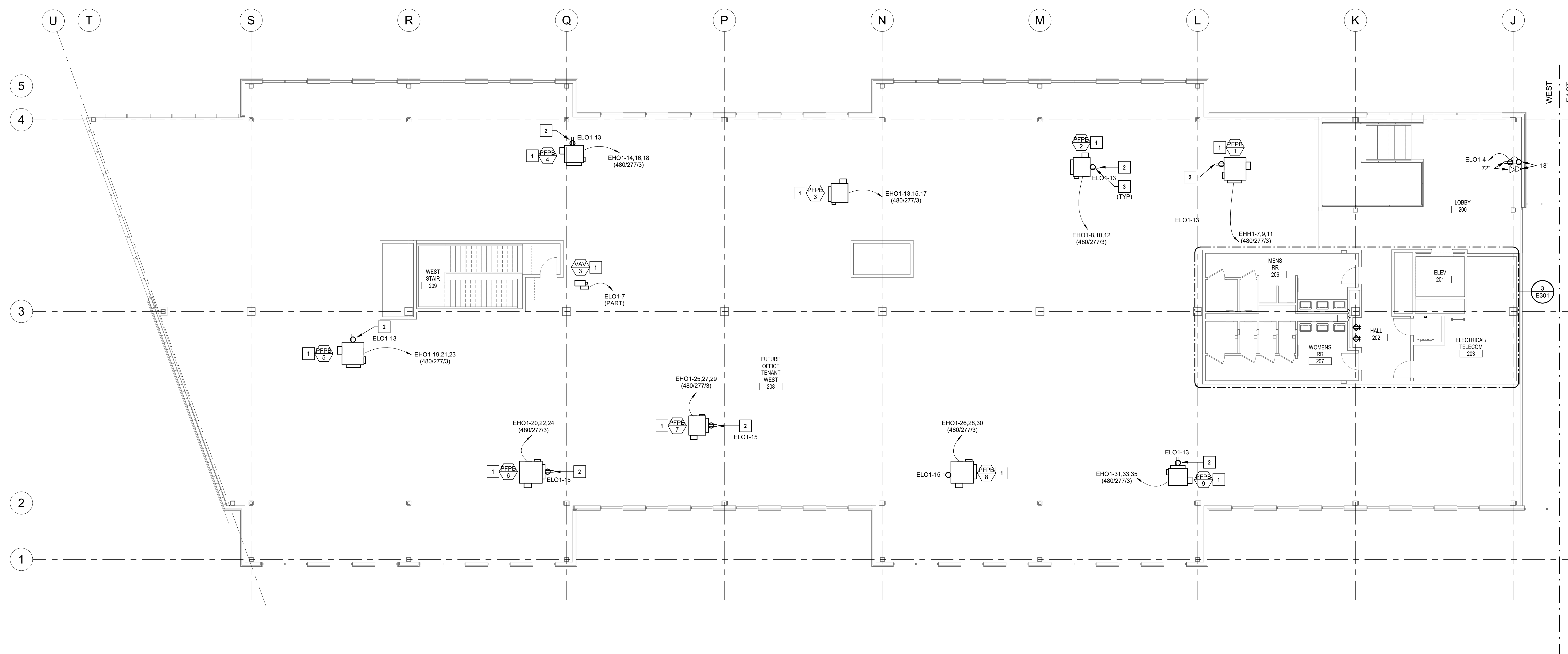


SHEET TITLE

ELECTRICAL
SECOND FLOOR
PLAN - WEST

SHEET NUMBER

E102.1



① ELECTRICAL SECOND FLOOR PLAN - WEST
1/8" = 1'-0"

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Issued For: ADDENDUM 1

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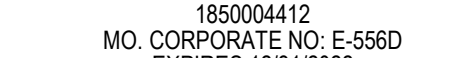
REGISTRATION



ANDREA C. MULVANY
LICENSE # PE-2013039892

PROJECT TEAM

ENGINEERS



1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

ELECTRICAL
SECOND FLOOR
PLAN - EAST

E102.2



FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Issued For: ADDENDUM 1

REVISIONS

[illegible]

REGISTRATION



ANDREA C. MULVANY
LICENSE # PE-2013039892

PROJECT TEAM

ARCHITECT	FINKE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC



1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

LIGHTING FIRST
FLOOR PLAN -
WEST

SHEET NUMBER

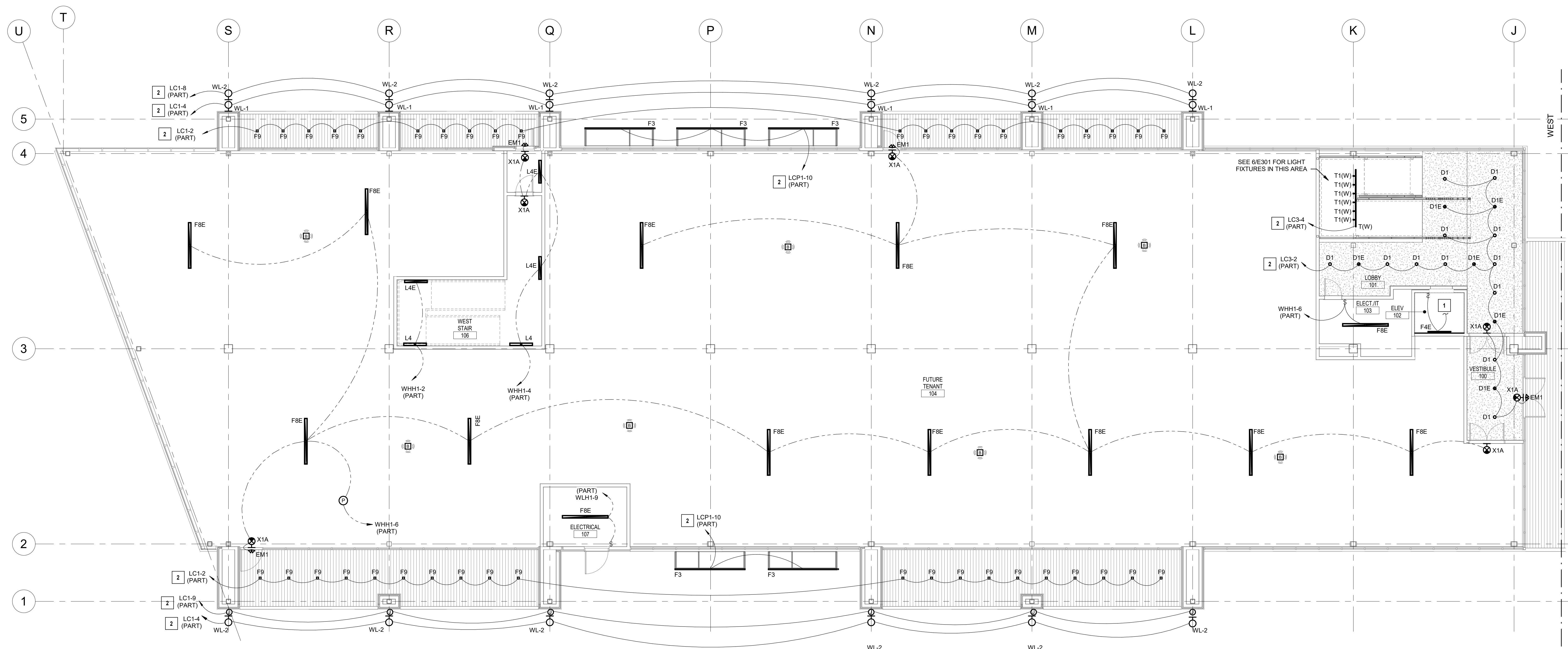
E121.1

1. REFER TO THE ARCHITECTURAL DRAWINGS FOR LIGHT FIXTURE LOCATIONS, MOUNTING HEIGHTS, TRACK LENGTHS AND ADDITIONAL MOUNTING INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT COORDINATION AND CONFLICT ISSUES ARE RESOLVED PRIOR TO INSTALLATION OF LIGHT FIXTURES. CONTACT ARCHITECT/ENGINEER IMMEDIATELY IF THERE ARE DISCREPANCIES.

1. THE EMERGENCY LIGHTING SYSTEM HAS BEEN DESIGNED TO PROVIDE AN INITIAL FLOOR ILLUMINANCE LEVEL OF 1 FC AVERAGE, 0.1 FC MINIMUM AND NO MORE THAN A 40:1 MAX/MIN RATIO ALONG THE EMERGENCY EGRESS PATHS. WHERE APPLICABLE, ADJUST AIMING OF EMERGENCY LIGHTS AS REQUIRED TO PROVIDE PROPER ILLUMINATION AT FLOOR AVOIDING OBSTACLES AND SHADOWS AFTER STORE SET-UP IS COMPLETE.

LIGHTING PLAN NOTES:

- 1 REFER TO DETAIL 5 SHEET E301 FOR CIRCUIT
CONTINUATION.
- 2 ROUTE LIGHTING BRANCH CIRCUIT THROUGH LIGHTING
CONTROL PANEL. REFER TO PANELBOARD SCHEDULES ON
SHEET E501 AND LIGHTING CONTROL PANEL SCHEDULES ON
SHEET E502 FOR MORE INFORMATION.



① LIGHTING FIRST FLOOR PLAN - WEST
1/8" = 1'-0"



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

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[illegible]

REGISTRATION



06/03/2022

ANDREA C. MULVANY
LICENSE # PE-2013039892

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC

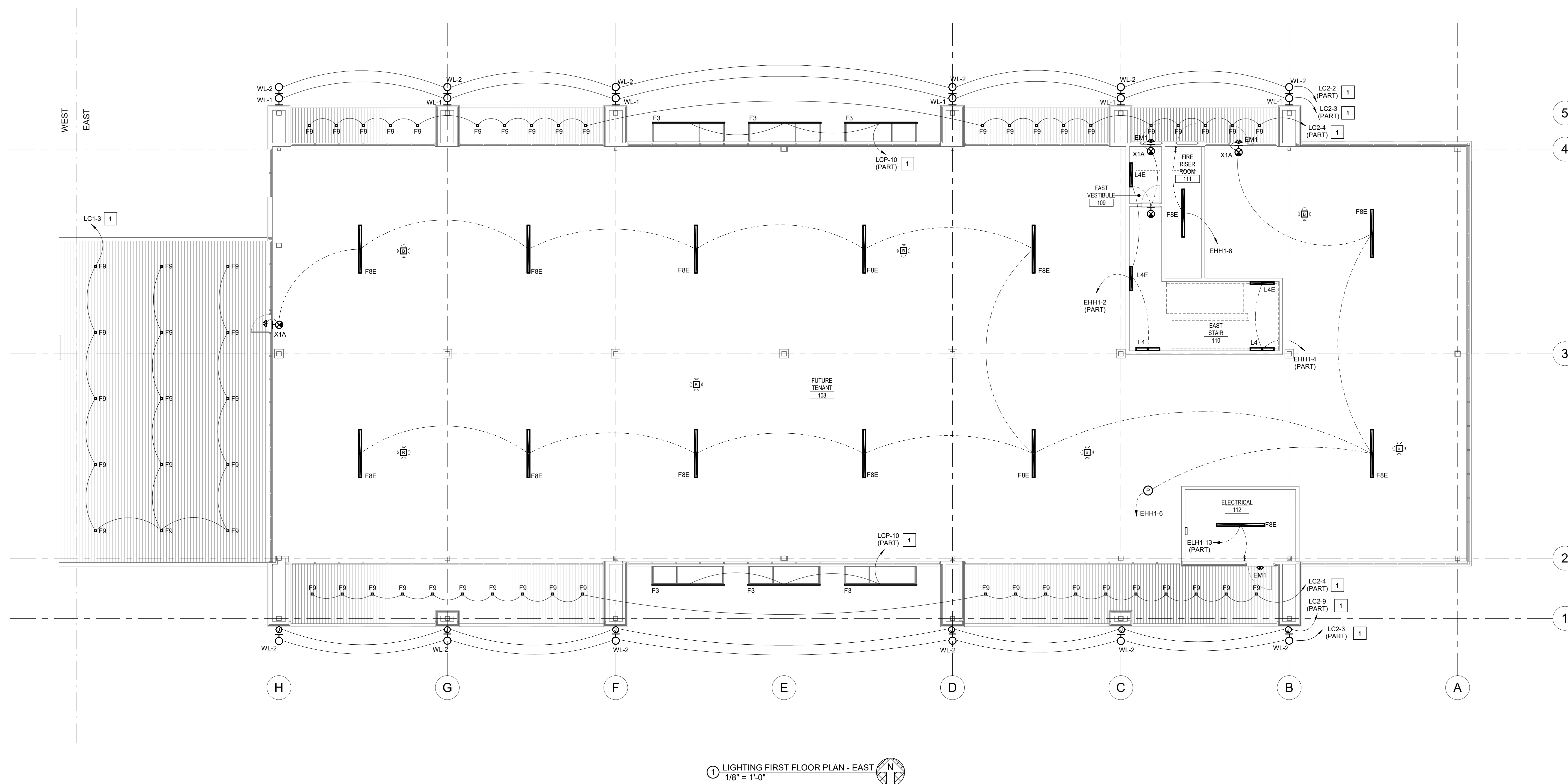


SHEET TITLE

LIGHTING FIRST
FLOOR PLAN -
EAST

SHEET NUMBER

E121.2





PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: ADDENDUM 1

[illegible]

REGISTRATION



06/03/2022

ANDREA C. MULVANY
LICENSE # PE-2013039892

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERSELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON

CONTRACTOR GC



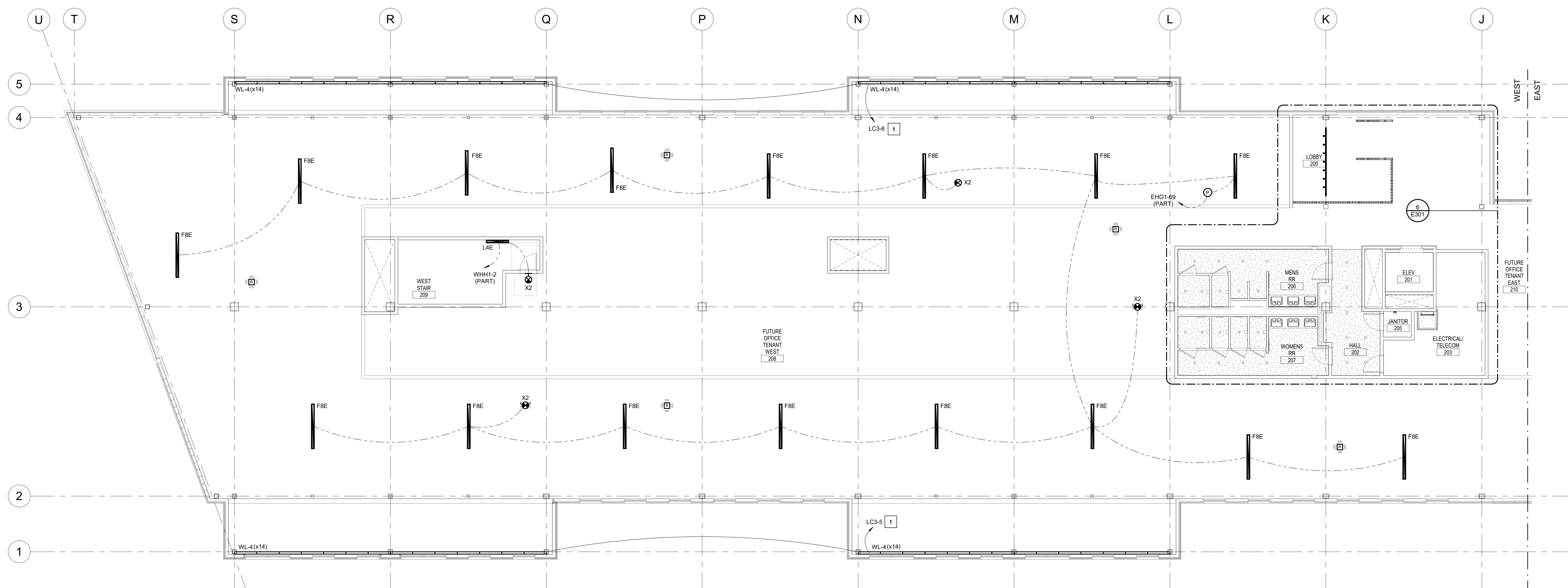
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

LIGHTING
SECOND FLOOR
PLAN - WEST

SHEET NUMBER

E122.1



① LIGHTING SECOND FLOOR PLAN - WEST
1/8" = 1'-0"

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

[illegible]

PROJECT TEAM	
ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC



SHEET NUMBER

E122.2

1 ROUTE LIGHTING BRANCH CIRCUIT THROUGH LIGHTING CONTROL PANEL. REFER TO PANELBOARD SCHEDULES ON SHEET E501 AND LIGHTING CONTROL PANEL SCHEDULES ON SHEET E502 FOR MORE INFORMATION.





PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: ADDENDUM 1

[illegible]

REGISTRATION



06/03/2022

ANDREA C. MULVANY
LICENSE # PE-2013039892

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC



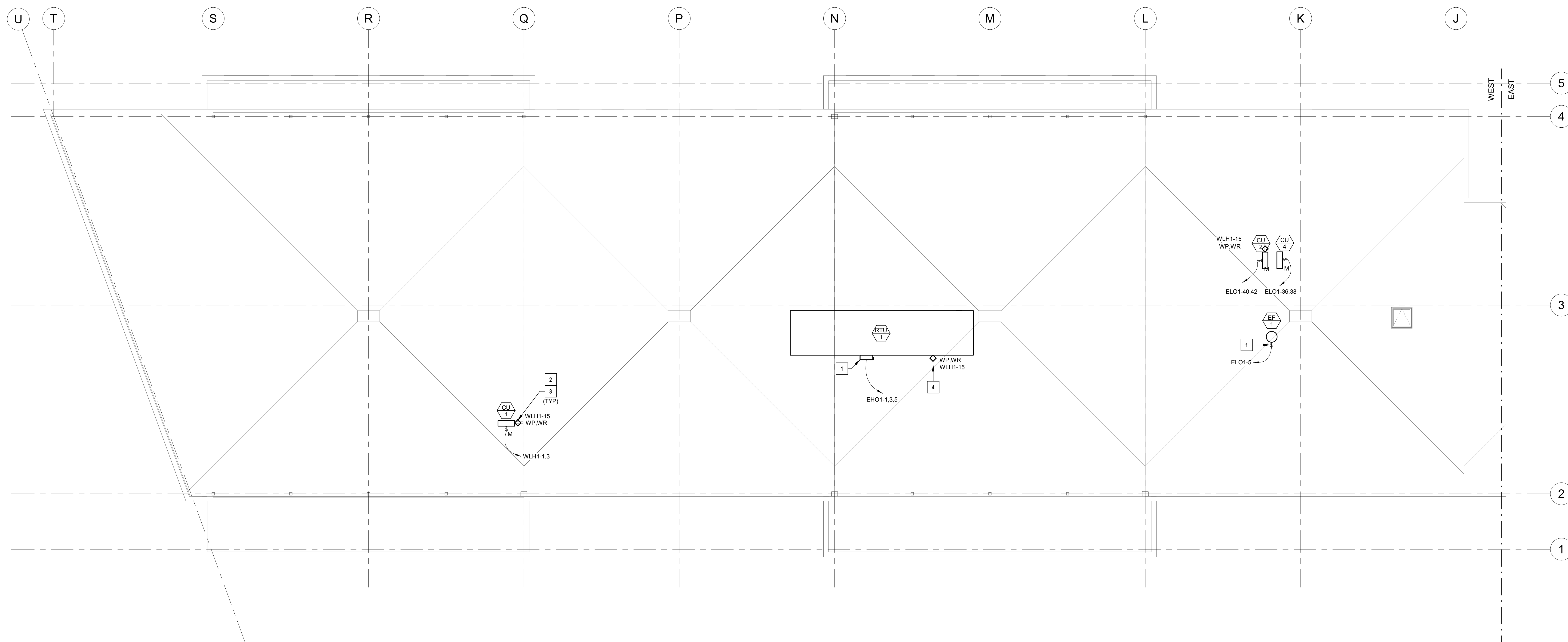
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

ELECTRICAL
ROOF PLAN -
WEST

SHEET NUMBER

E201.1



① ELECTRICAL ROOF PLAN - WEST
1/8" = 1'-0"



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: ADDENDUM 1

[illegible]

REGISTRATION



06/03/2022

ANDREA C. MULVANY
LICENSE # PE-2013039892

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

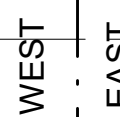


SHEET TITLE

ELECTRICAL
ROOF PLAN -
EAST

SHEET NUMBER

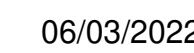
E201.2



① ELECTRICAL ROOF PLAN - EAST
1/8" = 1'-0"

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

REVISIONS

REGISTRATION

ANDREA C. MULVANY
LICENSE # PE-2013039892

PROJECT TEAM

ARCHITECT	FINKE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC



1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

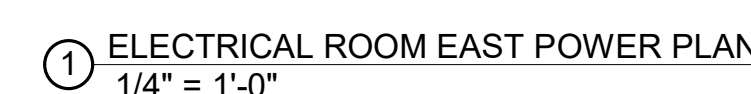
SHEET TITLE

ELECTRICAL
ENLARGED
PLAN

SHEET NUMBER

E301

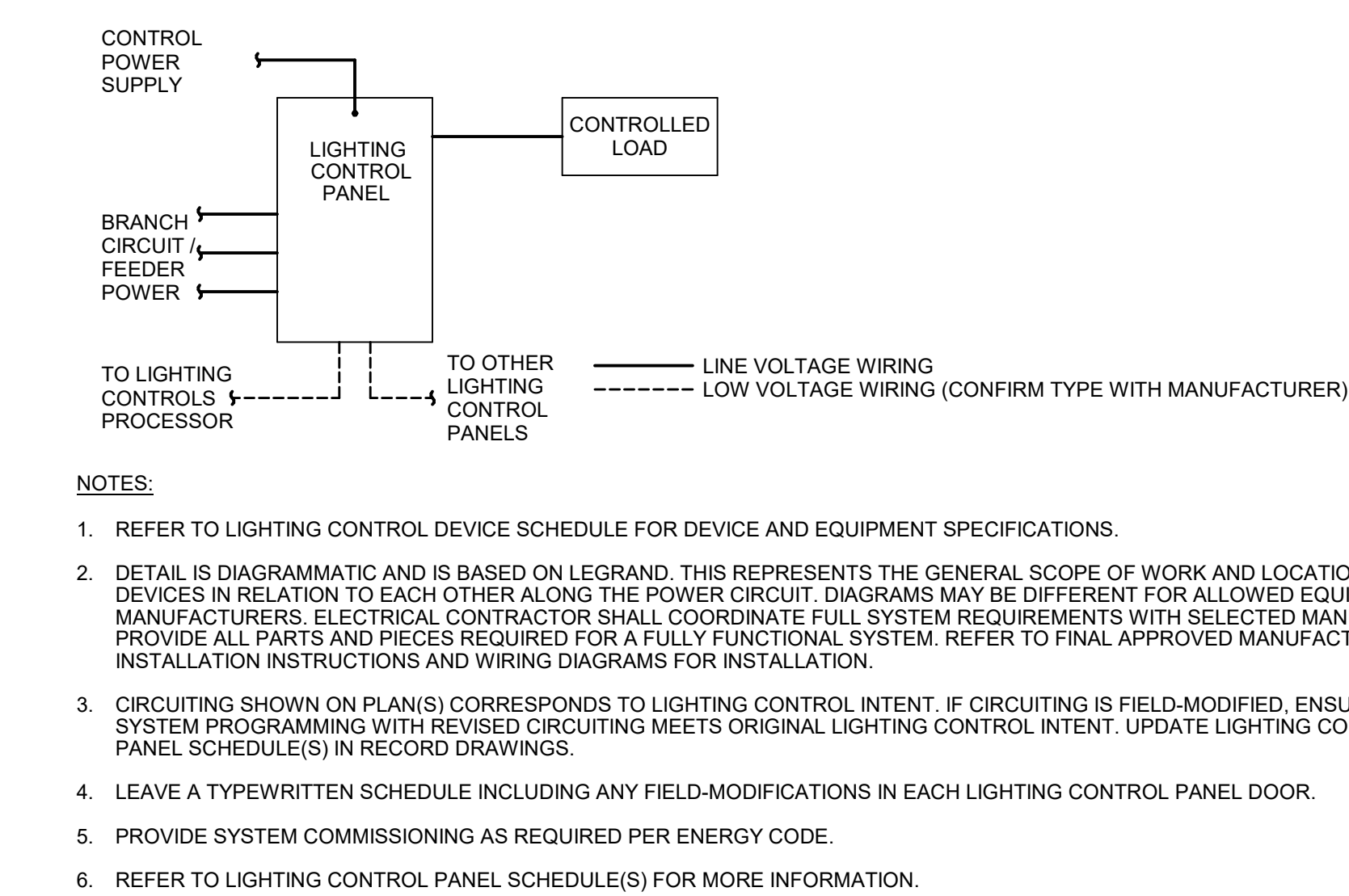
- 1 REFER TO SHEET E121.1 FOR CIRCUIT CONTINUATION.
- 2 FAN COIL UNIT TO BE POWERED FROM ASSOCIATED CONDENSING SUPPLY ON ROOF. COORDINATE CONNECTION WITH MECHANICAL CONTRACTOR AND MANUFACTURER'S REQUIREMENTS PRIOR TO ROUGH-IN.
- 3 REFER TO SHEET E102.1 FOR CIRCUIT CONTINUATION.
- 4 PROVIDE 500W/27V/100W INPUT/OUTPUT EMERGENCY LIGHTING. PROVIDE ABOVE TOILETS AND URINALS (E102.1) EQUAL) FOR EMERGENCY BATTERY BACKUP OF LIGHTING. FURNISH ROUTE BATTERY BACKUP TO EMERGENCY LIGHT INVERTER FOR EMERGENCY LIGHTING BATTERY BACKUP. REFER TO LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- 5 PROVIDE SWITCHING FOR CONTROL OF TYPE 1 FGR ABOVE TOILETS AND URINALS (E102.1) EQUAL) ABOVE ELECTRIC WATER COOLER ALCOVE. REFER TO LIGHTING CONTROL, TIME SCHEDULE ON SHEET E502 FOR LIGHTING INFORMATION.
- 6 PROVIDE LIGHTING AND CONTROLS MANUFACTURERS PRIOR TO ORDERING.
- 7 REFER TO SHEET E122.1 FOR CIRCUIT CONTINUATION.
- 8 PROVIDE 120V, 20A ELECTRICAL CONNECTION FOR ELEVATOR CAB LIGHTING. PROVIDE 30A/1P, 15A FNR-R FUSED DISCONNECT SWITCH. COORDINATE LOCATION AND REQUIREMENTS WITH ELEVATOR CONTRACTOR AND SHOP DRAWINGS PRIOR TO ROUGH-IN.
- 9 PROVIDE 120V, 20A ELECTRICAL CONNECTION FOR ELEVATOR MOTOR. COORDINATE LOCATION AND REQUIREMENTS WITH ELEVATOR CONTRACTOR AND SHOP DRAWINGS PRIOR TO ROUGH-IN.
- 10 PROVIDE 480V, 3PH ELECTRICAL CONNECTION FOR ELEVATOR MOTOR. COORDINATE LOCATION AND REQUIREMENTS WITH ELEVATOR CONTRACTOR AND SHOP DRAWINGS PRIOR TO ROUGH-IN.
- 11 PROVIDE CONNECTION TO FACTORY FURNISHED DISCONNECT ON DIVISION 23 EQUIPMENT.
- 12 BUILDING ELECTRICAL SERVICE 1 OF 2: PROVIDE PERMANENT PLACQUE OR DIRECTORY AT SERVICE ENTRANCE INDICATING LOCATION OF SERVICE FIRST ELECTRICAL SERVICE SERVING BUILDING TO MEET REQUIREMENTS OF NEC 225.37.
- 13 BUILDING ELECTRICAL SERVICE 2 OF 2: PROVIDE PERMANENT PLACQUE OR DIRECTORY AT SERVICE ENTRANCE INDICATING LOCATION OF SERVICE FIRST ELECTRICAL SERVICE SERVING BUILDING TO MEET REQUIREMENTS OF NEC 225.37.
- 14 PROVIDE JUNCTION BOX AND 120V CONNECTION FOR DOOR LOCKS. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ARCHITECTURAL DOUR HARDWARE SCHEDULES, GENERAL CONTRACTOR AND SECURITY CONTRACTOR PRIOR TO ROUGH-IN.
- 15 PROVIDE LIGHTING CONTROL PANEL. REFER TO DETAIL 3, SHEET E401 FOR ADDITIONAL INFORMATION. REFER TO DETAIL 4 FOR CONDUIT ROUTING INFORMATION.
- 16 PROVIDE LIGHTING CONTROLS PROCESSOR WITH LAN FOR INTERNET INTERFACE. REFER TO DETAIL 4, SHEET E401 FOR ADDITIONAL INFORMATION.
- 17 PROVIDE GFCI DUPLEX OUTLET AND DEDICATED 120V, 20A ELECTRICAL CONNECTION FOR RESTROOM WASHBASIN STATION. COORDINATE LOCATION AND REQUIREMENTS WITH ARCHITECTURAL DOUR HARDWARE AND MANUFACTURERS RECOMMENDATIONS PRIOR TO ROUGH-IN.
- 18 ROUTE LIGHTING BRANCH CIRCUIT THROUGH LIGHTING CONTROL PANEL. PROVIDE CONDUIT ROUTING ON SHEET E501 AND LIGHTING CONTROL PANEL SCHEDULES ON SHEET E502 FOR MORE INFORMATION.
- 19 PROVIDE RECESSED FLOOR BOX WITH (2) DUPLEX RECEPTACLES. SHOW RECESSED FLOOR BOX ON-GRADE APPLICATIONS. BASIS OF DESIGN RFB2-0X FLOOR BOX OR APPROVED EQUIVALENT. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 20 PROVIDE 1" CONDUIT RACEWAY THROUGH CAB FOR POWER CIRCUITS AS INDICATED. COORDINATE EXACT LOCATION AND DEPTH WITH ELEVATOR CONTRACTOR WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO ROUGH-IN. X-RAY SPLIT TRENCHING TO AVOID REINFORCING STEEL.
- 21 PROVIDE 1" CONDUIT RISER CONCEALED IN WALL FOR POWER CONDUCTORS.
- 22 PROVIDE POWER AND DATA CONNECTION AT ACCESSIBLE LOCATION. COORDINATE LOCATION OF ACCESS PANEL WITH ARCHITECT PRIOR TO ROUGH-IN.
- 23 PROVIDE ADD ALTERNATE PRICING FOR COVE LIGHTING ABOVE TOILETS AND URINALS. COVE LIGHTING SHALL BE CONNECTED TO SPARE CIRCUIT IN PANELBOARD ELO1 AND



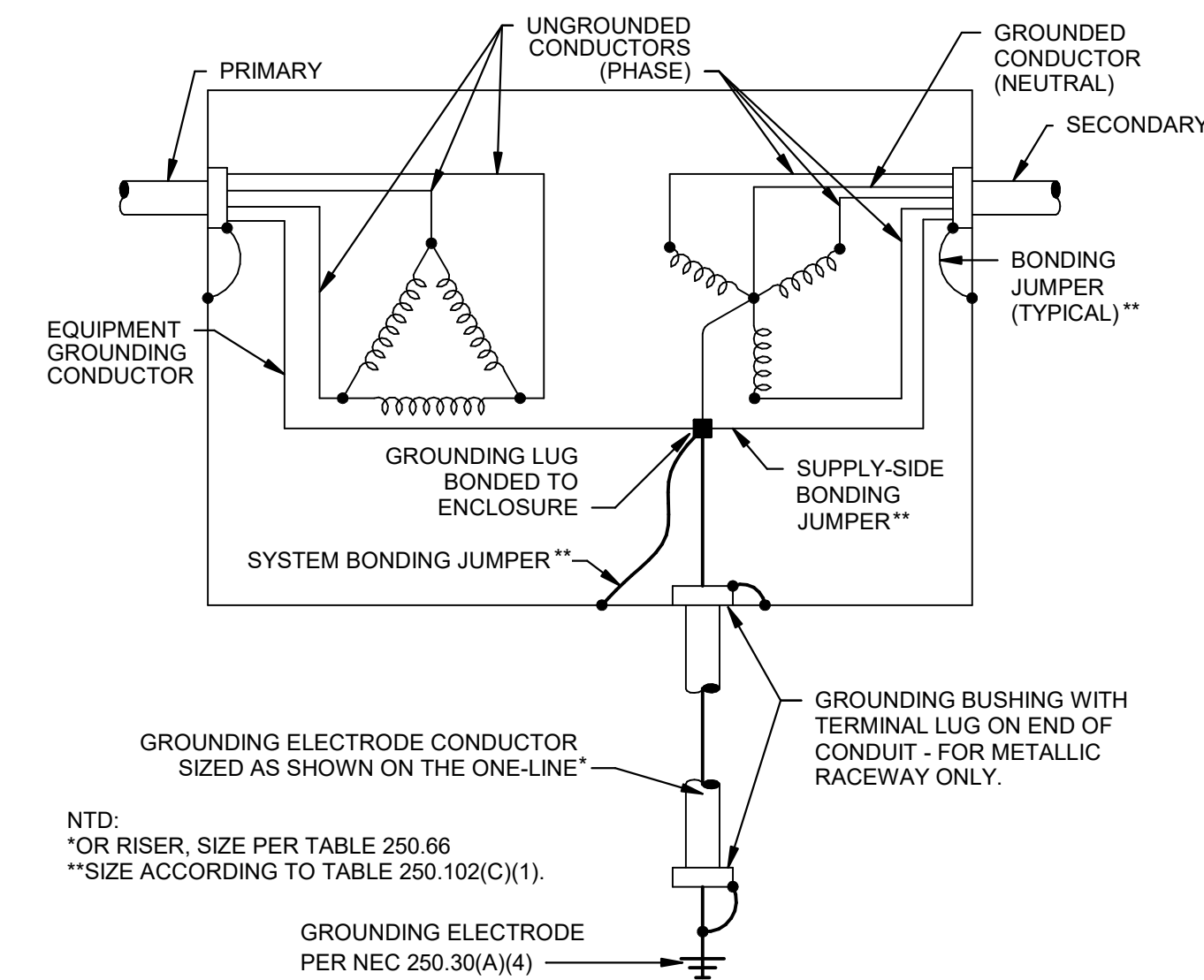
FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

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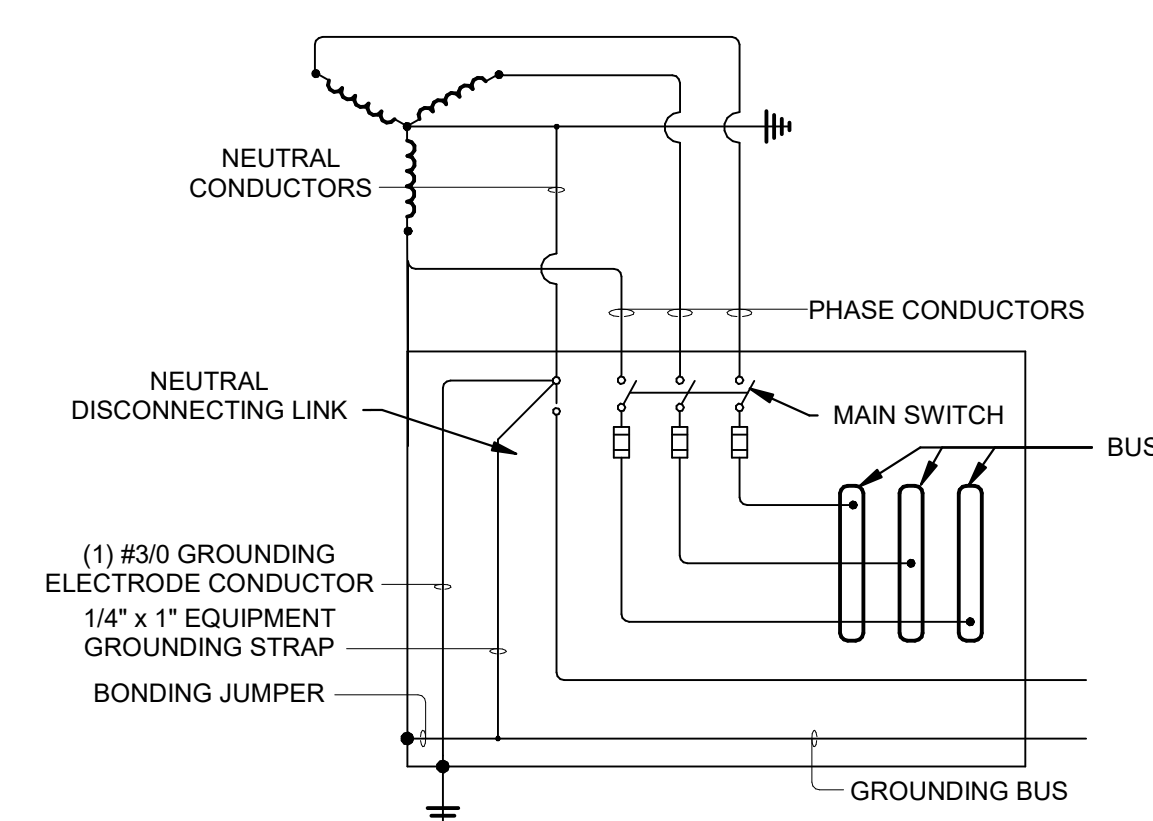
PROJECT TEAM	
ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC



③ LIGHTING CONTROL PANEL DETAIL



② DRY TYPE TRANSFORMER GROUNDING
NTS



① SERVICE ENTRANCE GROUNDING DIAGRAM
NTS

ELECTRICAL DETAILS

E401



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: **ADDENDUM 1**

[illegible]

REGISTRATION



CHRISTOPHER J. CULP
LICENSE # PE-2013037646

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL	GBA
-------	-----

LANDSCAPE LAND 3

FOUNDATIONS BSE STR

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON

CONTRACTOR GC

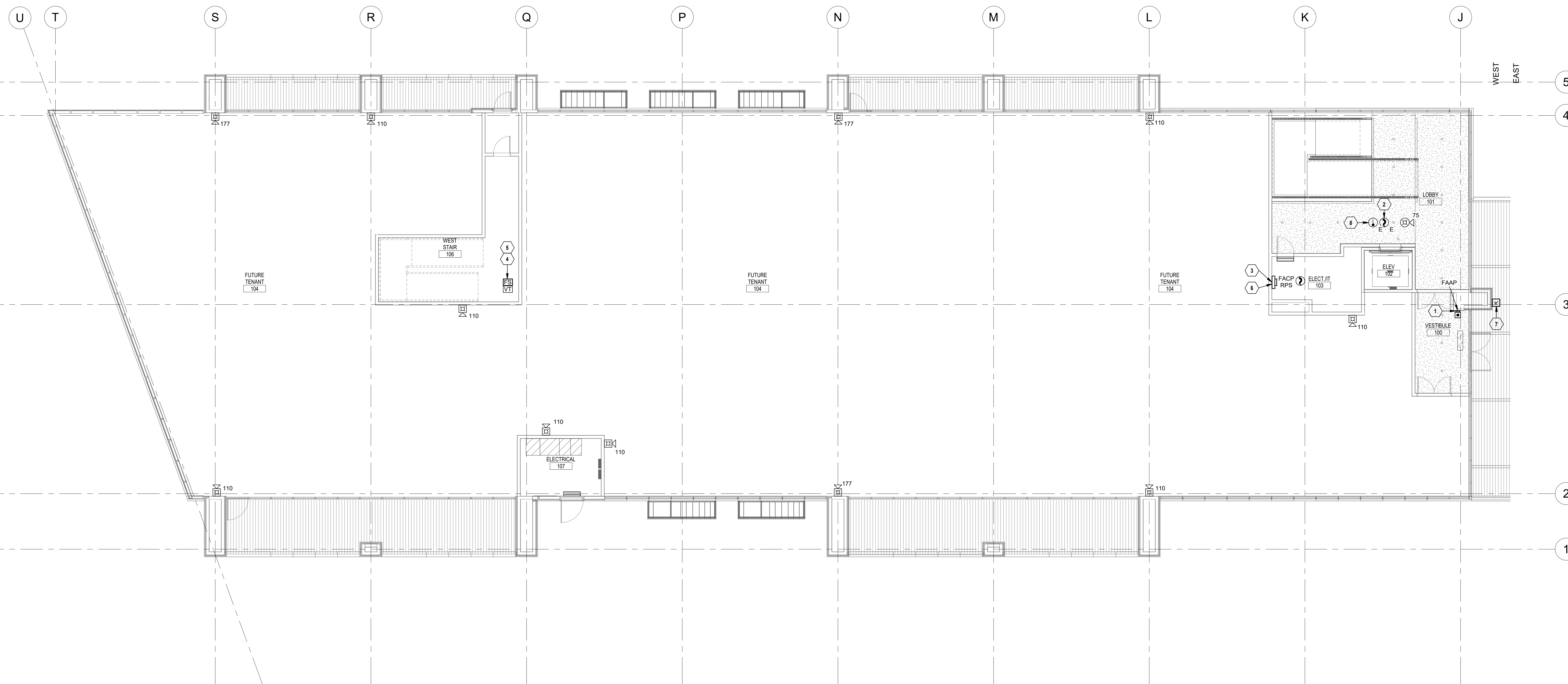


SHEET TITLE

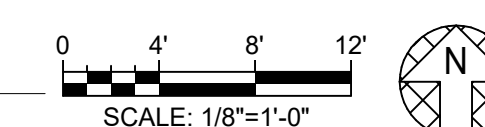
FIRE ALARM
FIRST FLOOR
PLAN - WEST

SHEET NUMBER

FA101.1



① FIRE ALARM FIRST FLOOR PLAN - WEST
1/8" = 1'-0"



FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.:	19050.01a
Date:	06.02.22
Issued For:	ADDENDUM 1

[illegible]

REGISTRATION



CHRISTOPHER J. CULP
LICENSE # PE-2013037646

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

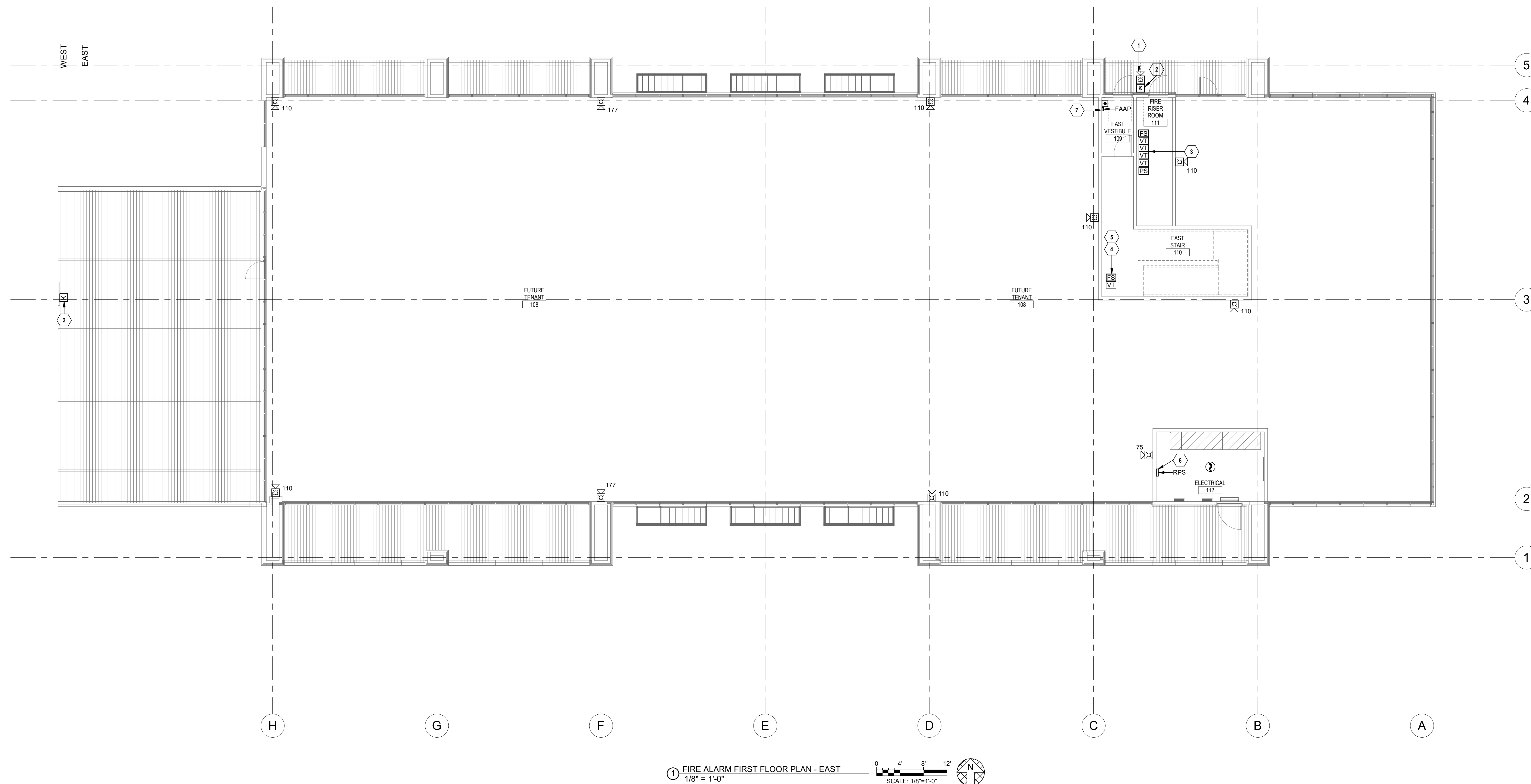


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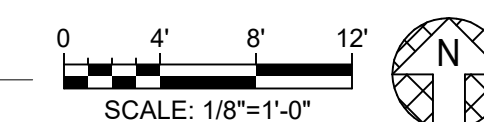
FIRE ALARM
FIRST FLOOR
PLAN - EAST

SHEET NUMBER

FA101.2



① FIRE ALARM FIRST FLOOR PLAN - EAST
1/8" = 1'-0"





PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: ADDENDUM

[illegible]

REGISTRATION



CHRISTOPHER J. CULP
LICENSE # PE-2013037646

PROJECT TEAM

ARCHITECT	FINKLE- WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

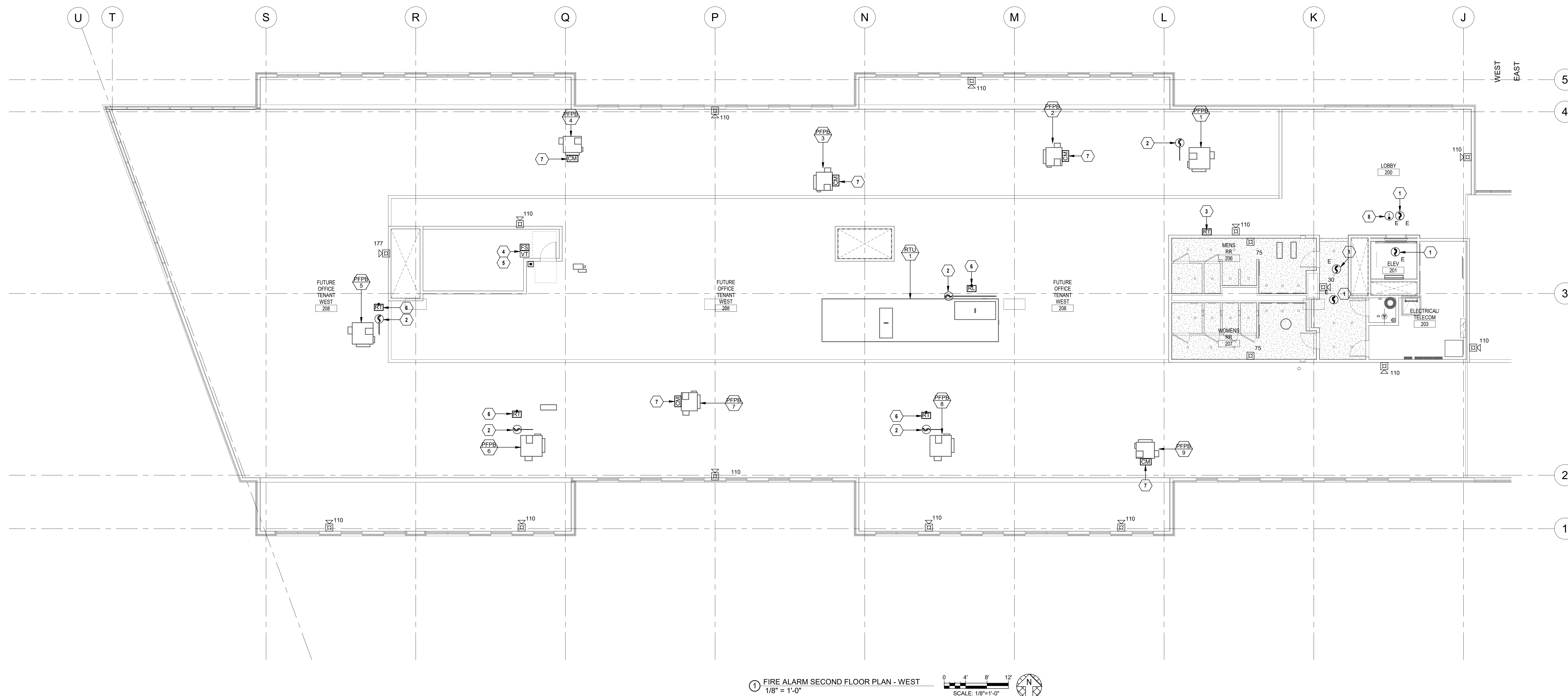


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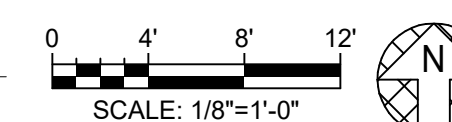
FIRE ALARM
SECOND FLOOR
PLAN - WEST

SHEET NUMBER

FA102.1



① FIRE ALARM SECOND FLOOR PLAN - WEST
1/8" = 1'-0"



FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Issued For: **ADDENDUM 1**

[illegible]

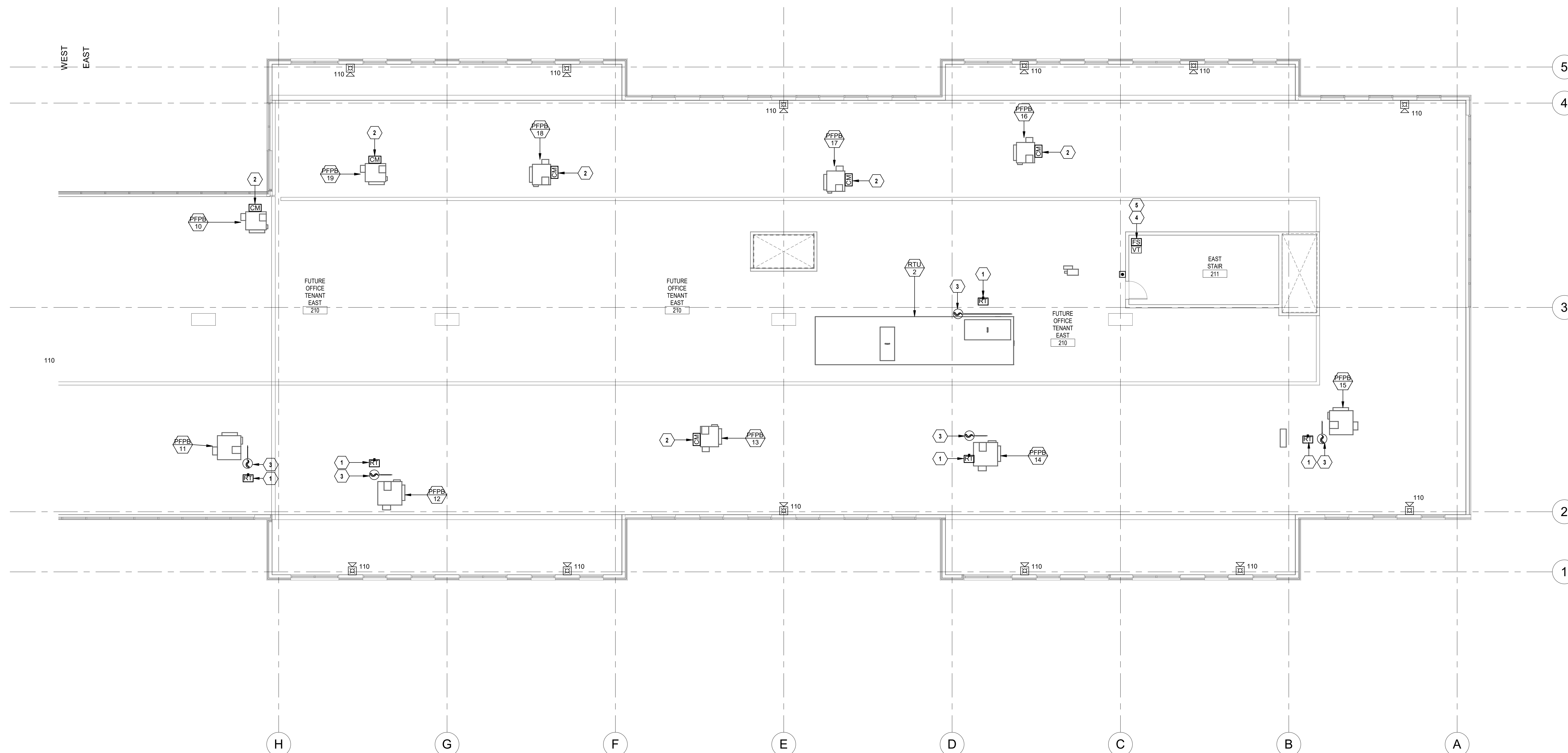
CHRISTOPHER J. CULP
LICENSE # PE-2013037646

ARCHITECT	FINKLE- WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

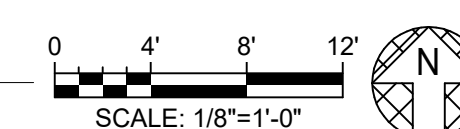


FIRE ALARM
SECOND FLOOR
PLAN - EAST

FA102.2

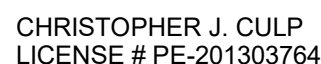


① FIRE ALARM SECOND FLOOR PLAN - EAST
1/8" = 1'-0"



FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

REVISIONS

REGISTRATIO

PROJECT TEAM	
ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

HENDERSON
ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

FIRE ALARM SPECIFICATIONS

FA701

See Division 01 and General Conditions for additional information.

Alarm Horn: Surface type fire alarm horn. Sound rating: 90 dB at 10 feet.



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

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[illegible]

REGISTRATION



CHRISTOPHER J. CULP
LICENSE # PE-2013037646

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL GBA

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERS

ELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC



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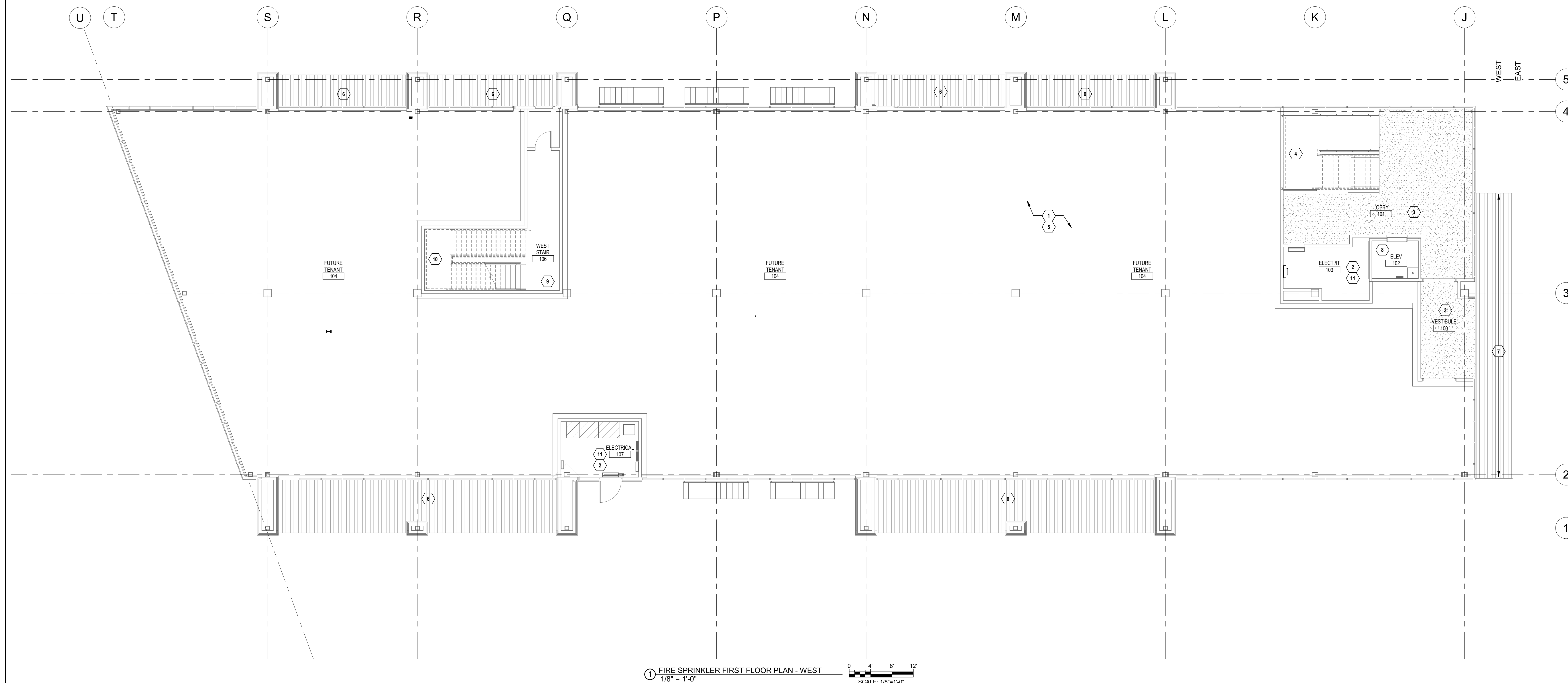
1850004412
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2022

SHEET TITLE

FIRE SPRINKLER
FIRST FLOOR
PLAN - WEST

SHEET NUMBER

FS101.1



① FIRE SPRINKLER FIRST FLOOR PLAN - WEST
1/8" = 1'-0"

0 4' 8'

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



PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

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[illegible]

REGISTRATION



CHRISTOPHER J. CULP
LICENSE # PE-2013037646

PROJECT TEAM

ARCHITECT	FINKLE-WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTURAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

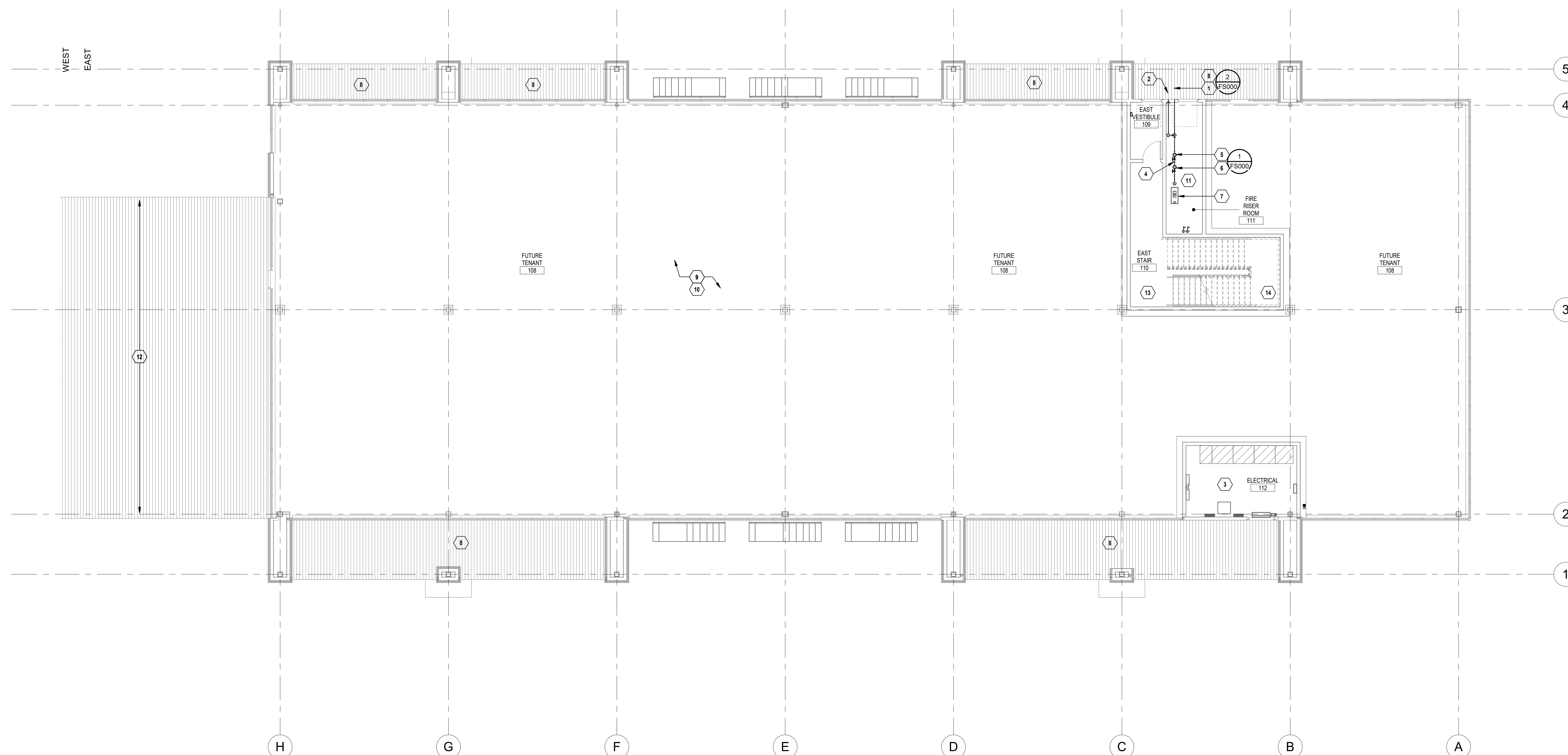


SHEET TITLE

FIRE SPRINKLER
FIRST FLOOR
PLAN - EAST

SHEET NUMBER

FS101.2



① FIRE SPRINKLER FIRST FLOOR PLAN - EAST
1/8" = 1'-0"





PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

Project No.: 19050.01a

Date: 06.02.22

Issued For: **ADDENDUM 1**

[illegible]

REGISTRATION



CHRISTOPHER J. CULP
LICENSE # PE-2013037646

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
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PLUMBING	HENDERSON ENGINEERS
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ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC

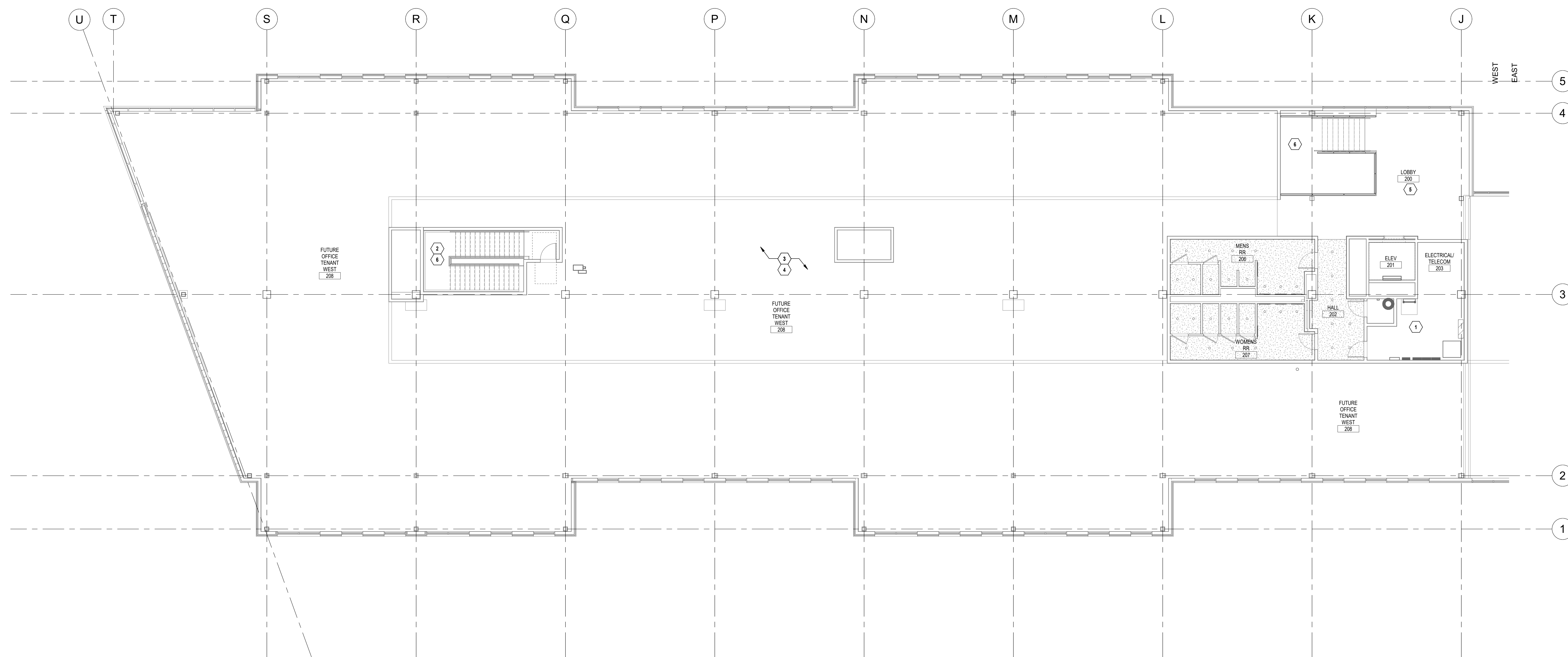


SHEET TITLE

FIRE SPRINKLER
SECOND FLOOR
PLAN - WEST

SHEET NUMBER

FS102.1



① FIRE SPRINKLER SECOND FLOOR PLAN - WEST
1/8" = 1'-0"





PARAGON STAR
BLDG 2 / LOT 9

FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

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[illegible]

REGISTRATION



CHRISTOPHER J. CULP
LICENSE # PE-2013037646

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL	GBA
-------	-----

LANDSCAPE LAND 3

FOUNDATIONS BSE STRUCTURAL
ENGINEERS

STRUCTURAL BSE STRUCTURAL
ENGINEERS

PLUMBING HENDERSON
ENGINEERS

MECHANICAL HENDERSON
ENGINEERSELECTRICAL HENDERSON
ENGINEERS

FIRE PROTECTION HENDERSON
ENGINEERS

CONTRACTOR GC

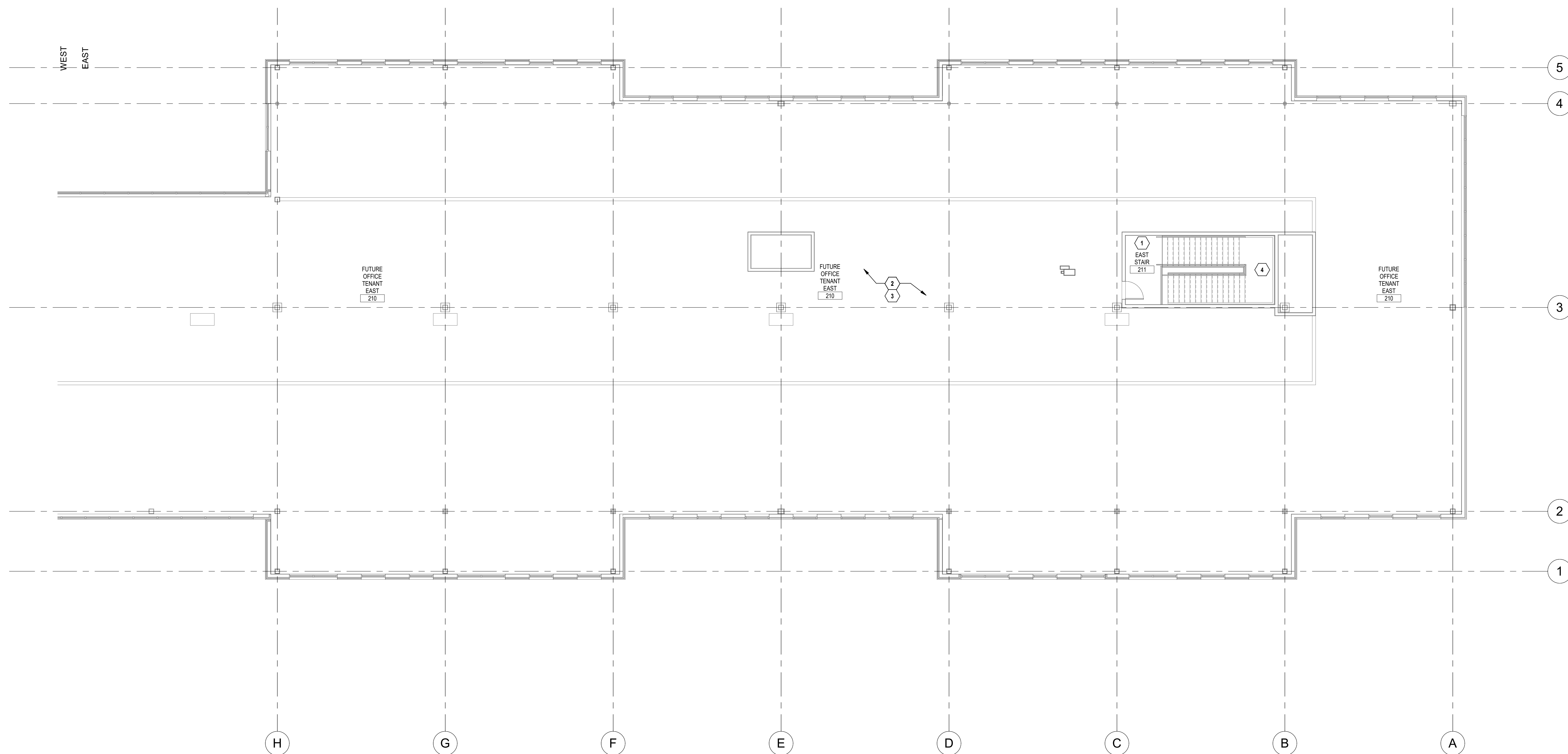


SHEET TITLE

FIRE SPRINKLER
SECOND FLOOR
PLAN - EAST

SHEET NUMBER

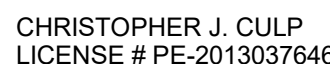
FS102.2



① FIRE SPRINKLER SECOND FLOOR PLAN - EAST
1/8" = 1'-0"



FIRST PLAT, LOT 9
LEE'S SUMMIT, MO

REGISTRATION

PROJECT TEAM	
ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	GBA
LANDSCAPE	LAND 3
FOUNDATIONS	BSE STRUCTURAL ENGINEERS
STRUCTURAL	BSE STRUCTRAL ENGINEERS
PLUMBING	HENDERSON ENGINEERS
MECHANICAL	HENDERSON ENGINEERS
ELECTRICAL	HENDERSON ENGINEERS
FIRE PROTECTION	HENDERSON ENGINEERS
CONTRACTOR	GC



SHEET NUMBER

FS701

END OF SECTION 21