

DISCOVERY PARK - LOT #9 - A

LEE'S SUMMIT, MO

PRINTS ISSUED
11/27/2024 - CITY SUBMISSION

REVISIONS:
1 12/18/24 ADDENDUM #1
2 01/06/25 ADDENDUM #2

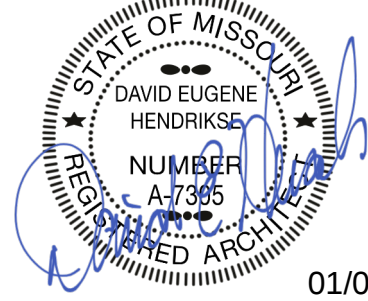
PROJECT CERTIFICATION

I, **David E. Hendrikse**, hereby specify pursuant to the governing requirements of the state, that the documents intended to be authenticated by my seal are limited to:

G-001	G-201	G-213	A-105	A-303	A-406	A-506
G-001.1	G-202	G-214	A-106	A-304	A-407	A-507
G-002	G-203	G-215	A-110	A-305	A-408	A-508
G-003	G-204	G-300	A-120	A-306	A-409	A-600
G-004	G-205	G-301	A-125	A-307	A-410	A-601
G-005	G-206	G-302	A-200	A-308	A-415	A-602
G-006	G-207	G-303	A-201	A-400	A-500	A-603
G-007	G-208	AS-100	A-202	A-401	A-501	A-700
G-100	G-209	A-101	A-203	A-402	A-502	
G-101	G-210	A-102	A-300	A-403	A-503	
G-102	G-211	A-103	A-301	A-404	A-504	
G-200	G-212	A-104	A-302	A-405	A-505	

and I hereby disclaim any responsibility for all other plans, specifications, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.

SEAL



David E. Hendrikse, AIA

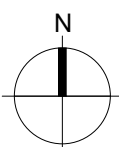
REGIONAL MAP



VICINITY MAP



DISCOVERY PARK - LOT #9 - A
200 NE ALURA WAY
LEE'S SUMMIT, MISSOURI 64064



SHEET INDEX

GENERAL

Sheet Issue Date	Sheet Number	Sheet Name	Rev.	Current Revision Date
11/27/24	G-001	TITLE SHEET		
11/27/24	G-001.1	SHEET INDEX (CONT.)	2	01/06/25
11/27/24	G-002	GENERAL INFORMATION		
11/27/24	G-003	PLAN GENERAL NOTES		
11/27/24	G-004	GENERAL INFORMATION		
11/27/24	G-005	GENERAL INFORMATION		
11/27/24	G-006	GENERAL INFORMATION		
11/27/24	G-007	GENERAL INFORMATION		
11/27/24	G-100	CODE ANALYSIS		
11/27/24	G-101	PARTITION ASSEMBLIES - WALLS		
11/27/24	G-102	PARTITION ASSEMBLIES - FLOOR/CEILING		
11/27/24	G-200	UL ASSEMBLIES - D916 / L516		
11/27/24	G-201	UL ASSEMBLIES - D916 / L516		
11/27/24	G-202	UL ASSEMBLIES - L516		
11/27/24	G-203	UL ASSEMBLIES - L546		
11/27/24	G-204	UL ASSEMBLIES - L546		
11/27/24	G-205	UL ASSEMBLIES - L546 / P545		
11/27/24	G-206	UL ASSEMBLIES - P545 / U301		
11/27/24	G-207	UL ASSEMBLIES - U301		
11/27/24	G-208	UL ASSEMBLIES - U305		
11/27/24	G-209	UL ASSEMBLIES - U305		
11/27/24	G-210	UL ASSEMBLIES - U341		
11/27/24	G-211	UL ASSEMBLIES - U415		
11/27/24	G-212	UL ASSEMBLIES - U415 / U423		
11/27/24	G-213	UL ASSEMBLIES - U423 / U905		
11/27/24	G-214	UL ASSEMBLIES - X790		
11/27/24	G-215	UL ASSEMBLIES - W456		
11/27/24	G-300	ACCESSIBILITY STANDARDS		
11/27/24	G-301	ACCESSIBILITY STANDARDS		
11/27/24	G-302	ACCESSIBILITY STANDARDS		
11/27/24	G-303	ACCESSIBILITY STANDARDS		

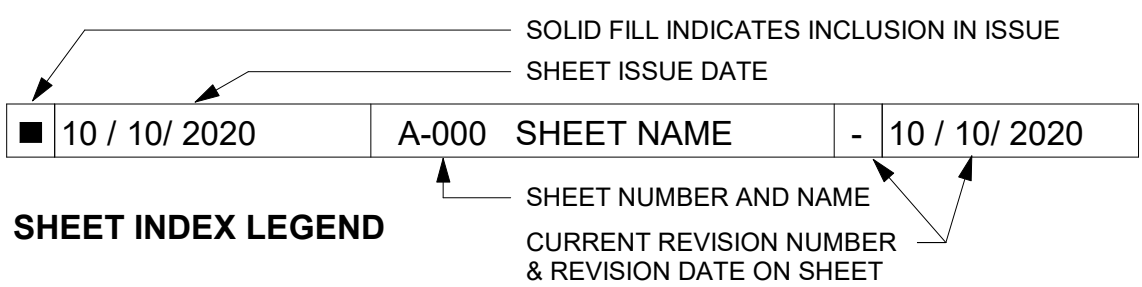
CIVIL UNDER SEPARATE REVIEW, REFERENCE FDP

ARCHITECTURAL

Sheet Issue Date	Sheet Number	Sheet Name	Rev.	Current Revision Date
11/27/24	AS-100	ARCHITECTURAL SITE AMENITIES		
11/27/24	A-101	FIRST FLOOR PLAN		
11/27/24	A-102	SECOND FLOOR BROWNSTONES PLAN		
11/27/24	A-103	SECOND FLOOR PLAN		
11/27/24	A-104	THIRD FLOOR PLAN		
11/27/24	A-105	ROOF PLAN		
11/27/24	A-106	ROOFING & FLASHING DETAILS		
11/27/24	A-110	ENLARGED PLAN - 1ST FLOOR GARAGE		
11/27/24	A-120	REFLECTED CEILING PLANS		
11/27/24	A-125	CEILING DETAILS		
11/27/24	A-200	EXTERIOR ELEVATIONS		
11/27/24	A-201	EXTERIOR ELEVATIONS		
11/27/24	A-202	COLORLED EXTERIOR ELEVATIONS		
11/27/24	A-203	COLORLED EXTERIOR ELEVATIONS		
11/27/24	A-300	BUILDING SECTION		
11/27/24	A-301	BUILDING SECTION		
11/27/24	A-302	BUILDING SECTIONS		
11/27/24	A-303	WALL SECTIONS		
11/27/24	A-304	WALL SECTIONS		
11/27/24	A-305	ELEVATOR SECTION & DETAILS		
11/27/24	A-306	STAIR 1 SECTION & DETAILS		
11/27/24	A-307	STAIR 2 SECTION & DETAILS		
11/27/24	A-308	FRONT CANOPY PLAN / ELEV. / SECTION / & DETAILS		
11/27/24	A-400	ABERDEEN (2 BR) - TYPE A		
11/27/24	A-401	ABERDEEN (2 BR) - TYPE B		
11/27/24	A-402	ADRIAN (1 BR) - TYPE B		
11/27/24	A-403	ADRIAN LRG (1 BR) - TYPE B		
11/27/24	A-404	CONWAY (1 BR) - TYPE B		
11/27/24	A-405	CONWAY II (1 BR) - TYPE B		
11/27/24	A-406	DRAKE (1 BR) - TYPE B	1	12/18/24
11/27/24	A-407	LANA (2 BR) - TYPE B		
11/27/24	A-408	TOWNHOME (2 BR)		
11/27/24	A-409	TOWNHOME (2 BR)		
11/27/24	A-410	ENLARGED COMMON AREAS		
11/27/24	A-415	UNIT DETAILS		
11/27/24	A-500	WALL DETAILS		
11/27/24	A-501	WALL DETAILS		
11/27/24	A-502	PARAPET DETAILS		
11/27/24	A-503	BRICK PENETRATION DETAILS		
11/27/24	A-504	ELEVATOR DETAILS		
11/27/24	A-505	STAIR DETAILS		
11/27/24	A-506	BALCONY WATERPROOFING DETAILS		
11/27/24	A-507	BALCONY DETAILS		
11/27/24	A-508	BALCONY DETAILS AT BROWNSTONES		
11/27/24	A-600	WINDOW / DOOR / FINISH SCHEDULES		
11/27/24	A-601	STOREFRONT / FACADE ELEVATIONS		
11/27/24	A-602	DOOR DETAILS		
11/27/24	A-603	WINDOW DETAILS		
11/27/24	A-700	FINISH TRANSITION DETAILS		
11/27/24	A-710	FINISH PLANS		

STRUCTURAL

Sheet Issue Date	Sheet Number	Sheet Name	Rev.	Current Revision Date
11/27/24	S001	GENERAL NOTES		
11/27/24	S002	GENERAL NOTES		
11/27/24	S003	STRUCTURAL SPECIAL INSPECTION		
11/27/24	S004	SCHEDULES		
11/27/24	S005	SHEAR WALL SCHEDULE		
11/27/24	S100	EXTERIOR FOUNDATION WALL AND SLAB-ON-GRADE DIMENSION PLAN		
11/27/24	S100A	FOUNDATION PLAN ZONE A		
11/27/24	S100B	FOUNDATION PLAN ZONE B		
11/27/24	S101A	LEVEL 2 BROWNSTONES ZONE A FRAMING PLAN		
11/27/24	S101B	LEVEL 2 BROWNSTONES ZONE B FRAMING PLAN		
11/27/24	S102.1A	LEVEL 2 ZONE A FRAMING PLAN		
11/27/24	S102.1B	LEVEL 2 ZONE B FRAMING PLAN		
11/27/24	S102.2A	LEVEL 2 ZONE A DIAPHRAGM REINFORCING AND EDGE OF DECK PLAN		
11/27/24	S102.2B	LEVEL 2 ZONE B DIAPHRAGM REINFORCING AND EDGE OF DECK PLAN		
11/27/24	S103A	LEVEL 3 ZONE A FRAMING PLAN		
11/27/24	S103B	LEVEL 3 ZONE B FRAMING PLAN		
11/27/24	S104A	ROOF ZONE A FRAMING PLAN		
11/27/24	S104B	ROOF ZONE B FRAMING PLAN		
11/27/24	S400	ENLARGED STAIR TOWER		
11/27/24	S401	ENLARGED STAIR TOWER		
11/27/24	S500	TYPICAL FOUNDATION DETAILS		
11/27/24	S501	FOUNDATION DETAILS		
11/27/24	S502	FOUNDATION DETAILS		
11/27/24	S503	FOUNDATION DETAILS		
11/27/24	S504	FOUNDATION DETAILS		
11/27/24	S505	COLUMN PEDESTAL DETAILS		
11/27/24	S510	TYPICAL WOOD FRAMING DETAILS		
11/27/24	S511	FLOOR FRAMING DETAILS		
11/27/24	S512	WOOD FLOOR FRAMING DETAILS		
11/27/24	S520	MASONRY DETAILS		
11/27/24	S521	MASONRY DETAILS		
11/27/24	S530	PODIUM DETAILS		
11/27/24	S531	PODIUM DETAILS		
11/27/24	S532	PODIUM DETAILS		
11/27/24	S533	PODIUM DETAILS		
11/27/24	S534	FRAMING AT TYPICAL GARAGE WALL OPENING		
11/27/24	S540	SHEAR WALL DETAILS		
11/27/24	S550	FRAMING DETAILS		
11/27/24	S551	FRAMING DETAILS		
11/27/24	S560	TYPICAL BALCONY PLANS & DETAILS - LEVEL 2		
11/27/24	S561	TYPICAL BALCONY PLANS & DETAILS - LEVEL 3		
11/27/24	S562	ADDITIONAL BALCONY PLANS		



PROJECT DATA

PROJECT DESIGN INFORMATION

NEW CONSTRUCTION:

ZONING:	PMIX - PLANNED MIXED USE DISTRICT
CODE:	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL FUEL GAS CODE 2018 INTERNATIONAL FIRE CODE 2017 NATIONAL ELECTRIC CODE 2009 ACCESSIBILITY CODE ICC/ANSI 117-1 LEE'S SUMMIT AMENDMENTS TO THE ENERGY CODE
OCCUPANCY GROUP:	R-2, APARTMENTS A-2, UNCONCENTRATED S-2, OPEN PARKING GARAGE
TYPE OF CONSTRUCTION:	R-2 & A-2, TYPE VA S-2, TYPE IIA
ENERGY CONSERVATION:	WALLS AS PART OF BLDG ENVELOPE R-13 FLOORS AS PART OF BLDG ENVELOPE R-19 ROOFS AS PART OF BLDG ENVELOPE R-19 CEILING AS PART OF BLDG ENVELOPE R-30

BUILDING SUMMARY:

NUMBER:	(1) TOTAL BUILDINGS
HEIGHT:	3 STORIES, 46'-0"

SQUARE FOOTAGES:	GROSS	NET
FIRST FLOOR	22,989 S.F.	22,490 S.F.
SECOND FLOOR	18,347 S.F.	17,973 S.F.
THIRD FLOOR	18,347 S.F.	17,973 S.F.

UNIT SUMMARY:

TYPE "A" UNITS (2% OF TOTAL)	(1) UNITS - ABERDEEN "A"
HIVI UNITS (2% OF TOTAL)	(1) UNITS - ADRIAN "HIVI"
STANDARD UNITS	(3) UNITS - ABERDEEN (17) UNITS - ADRIAN (2) UNITS - ADRIAN - LRG (2) UNITS - CONWAY I (2) UNITS - CONWAY II (2) UNITS - DRAKE (2) UNITS - LANA (8) UNITS - BROWNSTONES
TOTAL UNITS	(40) UNITS

SQUARE FOOTAGE:	GROSS	NET
ABERDEEN "A"	1,338 S.F.	1,269 S.F.
ABERDEEN "B"	1,338 S.F.	1,269 S.F.
ADRIAN	832 S.F.	781 S.F.
ADRIAN - LRG	1,078 S.F.	1,021 S.F.
CONWAY	843 S.F.	786 S.F.
CONWAY II	1,024 S.F.	962 S.F.
DRAKE	903 S.F.	821 S.F.
LANA	1,082 S.F.	1,020 S.F.
BROWNSTONE 1ST	605 S.F.	549 S.F.
BROWNSTONE 2ND	619 S.F.	563 S.F.

SEE CIVIL FOR SITE SUMMARY

NOTE: SQUARE FOOTAGE

-GROSS - COMMON SPACE CALCULATION: OUTSIDE PERIMETER OF STUD (ENTIRE BUILDING) LESS THE TOTAL OF THE GROSS UNIT SQUARE FOOTAGE PER FLOOR.
-GROSS - UNIT CALCULATION: CENTERLINE OF PARTY WALL TO OUTSIDE OF EXTERIOR STUD WALL AND/OR OUTSIDE OF CORRIDOR STUD WALL.
-NET - PAINT-TO-PAINT AT PERIMETER, TAKEN FROM INSIDE OF DEMISING, EXTERIOR, AND CORRIDOR WALLS.

PROJECT TEAM

OWNER

INTRINSIC DEVELOPMENT	
ADDRESS:	3622 ENDEAVOR AVE. STE. 101 COLUMBIA, MO 65201
CONTACT:	BRIAN MAENNER
EMAIL:	bmaenner@intrinsicdevelopment.com
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CONTACT:	BRIAN MAENNER
EMAIL:	bmaenner@intrinsicdevelopment.com
PHONE:	573.881.0280

STRUCTURAL ENGINEER

MCCLURE	
ADDRESS:	1901 PENNSYLVANIA DRIVE COLUMBIA, MO 65202
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PHONE:	573.234.2609

MECHANICAL, ELECTRICAL, PLUMBING ENGINEER

J-SQUARED ENGINEERING	
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CONTACT:	JEFF BARTZ
EMAIL:	jbartz@weareown.com
PHONE:	816.777.0400

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OWN	
ADDRESS:	8455 COLLEGE BOULEVARD OVERLAND PARK, KS 66210
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DISCOVERY PARK - LOT #9 - A

200 NE ALURA WAY
LEE'S SUMMIT, MISSOURI 64064

SHEET TITLE
TITLE SHEET

PROJECT NUMBER: 24017

SHEET NUMBER:

G-001

REVISIONS:		
1	12/18/24	ADDENDUM #1
2	01/06/25	ADDENDUM #2

MECHANICAL				
Sheet Issue Date	Sheet Number	Sheet Name	Rev.	Current Revision Date
11/27/24	MEP1	MECHANICAL ELECTRICAL PLUMBING COVER SHEET		
11/27/24	MEP2	SITE UTILITIES PLAN		
11/27/24	MEP3	MEP PLAN - ROOF		
11/27/24	M101	HVAC PLAN - 1ST FLOOR - AREA A		
11/27/24	M102	HVAC PLAN - 2ND FLOOR - AREA A		
11/27/24	M103	HVAC PLAN - 3RD FLOOR - AREA A		
11/27/24	M111	HVAC PLAN - 1ST FLOOR - AREA B		
11/27/24	M112	HVAC PLAN - 2ND FLOOR - AREA B		
11/27/24	M113	HVAC PLAN - 3RD FLOOR - AREA B		
11/27/24	M501	HVAC DETAILS & SCHEDULES		
11/27/24	M601	HVAC SCHEDULES		

ELECTRICAL				
Sheet Issue Date	Sheet Number	Sheet Name	Rev.	Current Revision Date
11/27/24	EP101	POWER PLAN - 1ST FLOOR - AREA A		
11/27/24	EP102	POWER PLAN - 2ND FLOOR - AREA A		
11/27/24	EP103	POWER PLAN - 3RD FLOOR - AREA A		
11/27/24	EP111	POWER PLAN - 1ST FLOOR - AREA B		
11/27/24	EP112	POWER PLAN - 2ND FLOOR - AREA B		
11/27/24	EP113	POWER PLAN - 3RD FLOOR - AREA B		
11/27/24	EL101	LIGHTING PLAN - 1ST FLOOR - AREA A	1	12/18/24
11/27/24	EL102	LIGHTING PLAN - 2ND FLOOR - AREA A		
11/27/24	EL103	LIGHTING PLAN - 3RD FLOOR - AREA A		
11/27/24	EL111	LIGHTING PLAN - 1ST FLOOR - AREA B		
11/27/24	EL112	LIGHTING PLAN - 2ND FLOOR - AREA B		
11/27/24	EL113	LIGHTING PLAN - 3RD FLOOR - AREA B		
11/27/24	EL201	EXTERIOR BUILDING MOUNTED LIGHTING PLAN		
11/27/24	E501	ELECTRICAL DETAILS & SCHEDULES		
11/27/24	E601	ELECTRICAL SCHEDULES		
11/27/24	FS101	FIRE ALARM & SECURITY PLAN - 1ST FLOOR - AREA A		
11/27/24	FS102	FIRE ALARM & SECURITY PLAN - 2ND FLOOR - AREA A		
11/27/24	FS103	FIRE ALARM & SECURITY PLAN - 3RD FLOOR - AREA A		
11/27/24	FS111	FIRE ALARM & SECURITY PLAN - 1ST FLOOR - AREA B		
11/27/24	FS112	FIRE ALARM & SECURITY PLAN - 2ND FLOOR - AREA B		
11/27/24	FS113	FIRE ALARM & SECURITY PLAN - 3RD FLOOR - AREA B		

PLUMBING				
Sheet Issue Date	Sheet Number	Sheet Name	Rev.	Current Revision Date
11/27/24	PS101	SANITARY SEWER PLAN - 1ST FLOOR - AREA A		
11/27/24	PS102	SANITARY SEWER PLAN - 2ND FLOOR - AREA A		
11/27/24	PS103	SANITARY SEWER PLAN - 3RD FLOOR - AREA A		
11/27/24	PS111	SANITARY SEWER PLAN - 1ST FLOOR - AREA B		
11/27/24	PS112	SANITARY SEWER PLAN - 2ND FLOOR - AREA B		
11/27/24	PS113	SANITARY SEWER PLAN - 3RD FLOOR - AREA B		
11/27/24	PW101	WATER& GAS PLAN - 1ST FLOOR - AREA A		
11/27/24	PW102	WATER& GAS PLAN - 2ND FLOOR - AREA A		
11/27/24	PW103	WATER& GAS PLAN - 3RD FLOOR - AREA A		
11/27/24	PW111	WATER& GAS PLAN - 1ST FLOOR - AREA B		
11/27/24	PW112	WATER& GAS PLAN - 2ND FLOOR - AREA B		
11/27/24	PW113	WATER& GAS PLAN - 3RD FLOOR - AREA B		
11/27/24	P501	PLUMBING DETAILS & SCHEDULES	1	12/18/24

UMEP				
Sheet Issue Date	Sheet Number	Sheet Name	Rev.	Current Revision Date
11/27/24	UMEP1.1	MEP PLAN - UNIT TYPE ADRIAN-A		
11/27/24	UMEP1.2	MEP PLAN - UNIT TYPE ADRIAN-B		
11/27/24	UMEP1.3	MEP PLAN - UNIT TYPE CONWAY-A		
11/27/24	UMEP1.4.1	HVAC & PLUMBING PLAN - UNIT TYPE CONWAY-B		
11/27/24	UMEP1.4.2	POWER & LIGHTING PLAN - UNIT TYPE CONWAY-B		
11/27/24	UMEP1.5.1	HVAC & PLUMBING PLAN - UNIT TYPE DRAKE	1	12/18/24
11/27/24	UMEP1.5.2	POWER & LIGHTING PLAN - UNIT TYPE DRAKE	1	12/18/24
11/27/24	UMEP2.1.1	HVAC & PLUMBING PLAN - UNIT TYPE LANA		
11/27/24	UMEP2.1.2	POWER & LIGHTING PLAN - UNIT TYPE LANA		
11/27/24	UMEP2.2.1	HVAC & PLUMBING PLAN - UNIT TYPE ABERDEEN-A		
11/27/24	UMEP2.2.2	POWER & LIGHTING PLAN - UNIT TYPE ABERDEEN-A		
11/27/24	UMEP2.3.1	HVAC & PLUMBING PLAN - UNIT TYPE ABERDEEN-B		
11/27/24	UMEP2.3.2	POWER & LIGHTING PLAN - UNIT TYPE ABERDEEN-B		
11/27/24	UMEP2.4.1	HVAC & PLUMBING PLAN - UNIT TYPE BROWNSTONE		
11/27/24	UMEP2.4.2	POWER & LIGHTING PLAN - UNIT TYPE BROWNSTONE	2	01/06/25

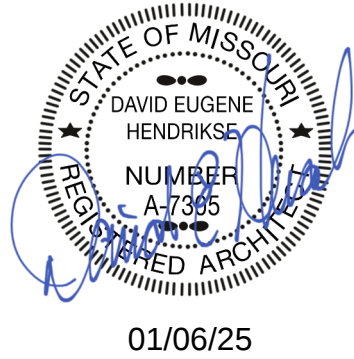


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ARCHITECTURE
INTERIOR DESIGN
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DISCOVERY PARK - LOT #9 - A

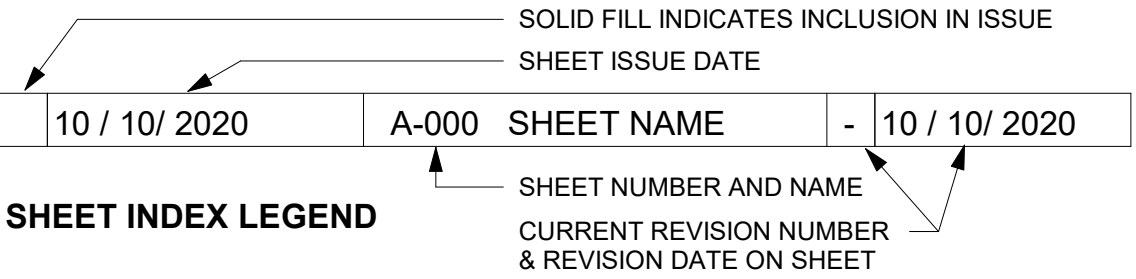
LEE'S SUMMIT, MO

SHEET TITLE
SHEET INDEX (CONT.)

PROJECT NUMBER: 24017

SHEET NUMBER:

G-001.1



SHEET INDEX LEGEND

POWER PLAN SYMBOL LEGEND

- CIRCUIT WIRING
- PK-XX CIRCUIT TAG
- ⬤ JUNCTION BOX
- XX ⬤ +42 RECEPTACLE
- INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX (STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
- "WP" = WEATHERPROOF OUTDOOR RECEPTACLE
- ⬤ GFCI DUPLEX CONVENIENCE RECEPTACLE
- ⬤ 208V RECEPTACLE
- ⬤ QUADPLEX CONVENIENCE RECEPTACLE
- ▼ DATA / PHONE JACK; BOX WITH 1" CONDUIT & CAT6 CABLE BACK TO MEDIA PANEL LOCATION (STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
- ⬤ DISCONNECT
- ⬤ 120V IONIZATION SMOKE 520Hz LOW FREQUENCY ALARM WITH SILENCING CAPABILITIES & LOW-VOLTAGE CONTACTS WIRED TO SHUT DOWN AHU UPON FIRE DETECTION. COORDINATE WITH HVAC CONTRACTOR. SMOKE DETECTOR MUST BE LOCATED AT LEAST 3' FROM CEILING FAN BLADES AND AT LEAST 10' FROM ANY COOKING APPLIANCE (FIELD-COORDINATE)

POWER PLAN GENERAL NOTES:

- SEE E500 & E600 SERIES SHEETS FOR POWER SCHEDULES, DETAILS, REQUIREMENTS, ETC.
- SEE SHEET MEP3 FOR CONDENSING UNIT LOCATIONS.
- VERIFY EACH DATA/RECEPTACLE LOCATION WITH OWNER PRIOR TO INSTALLATION.
- REFER TO "TYPICAL ADA MOUNTING HEIGHTS DETAIL", E500 & E600 SERIES SHEETS, OR MOUNTING HEIGHTS OF DEVICES IN "ANSI A" UNITS.

POWER PLAN KEY NOTES:

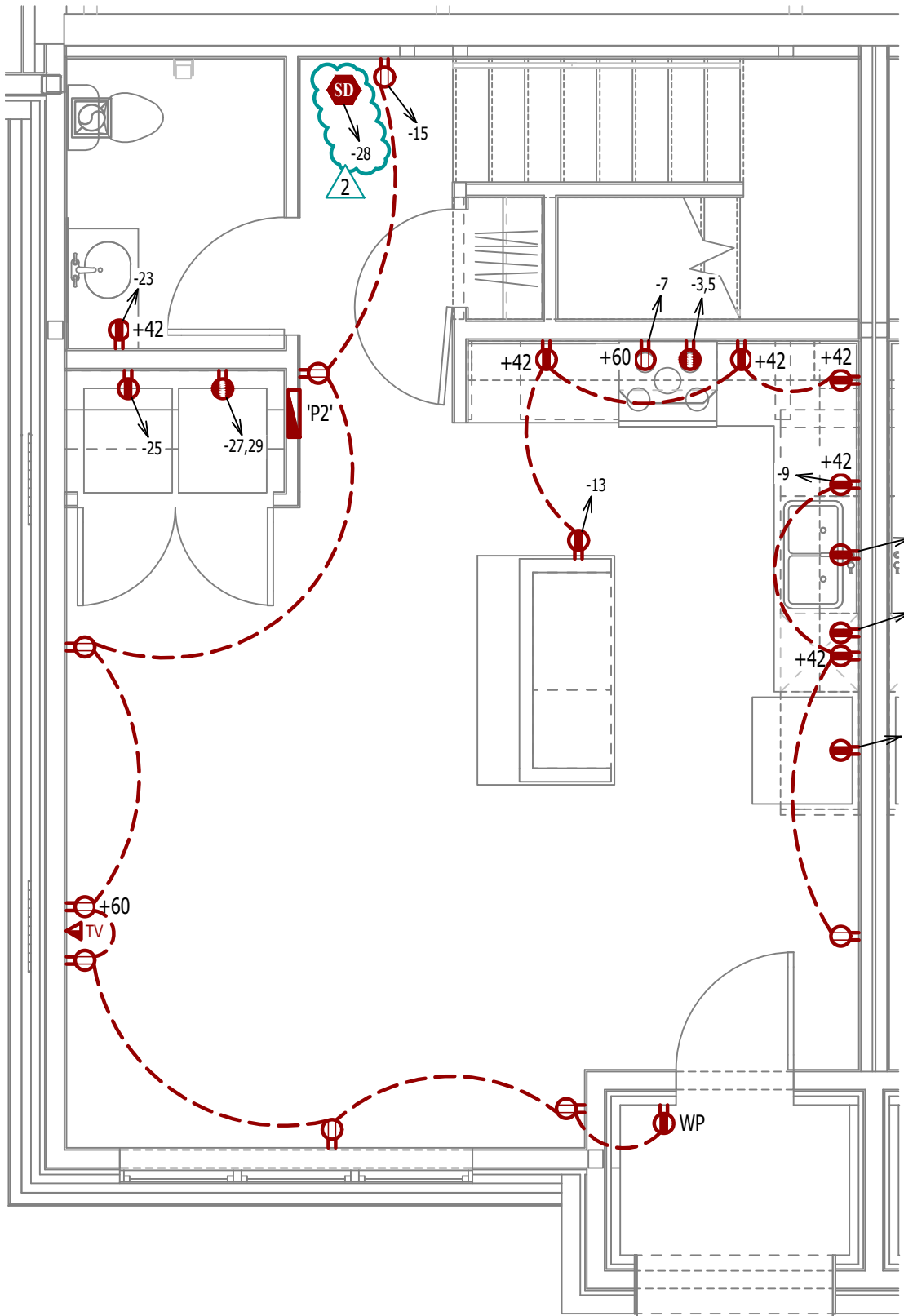
- ① MEDIA PANEL LOCATION; DATA/TV WIRING TO TERMINATE AT THIS LOCATION. DETERMINE EXACT LOCATION & DETAILS WITH OWNER PRIOR TO INSTALLATION.

LIGHTING PLAN SYMBOL LEGEND

- ⬤ X1 LIGHTING FIXTURE
- "X1" INDICATES FIXTURE TYPE (REFER TO SCHEDULE)
- ⬤ S TOGGLE SWITCH
- ⬤ SWITCH TYPE
- ⬤ DIMMER SWITCH

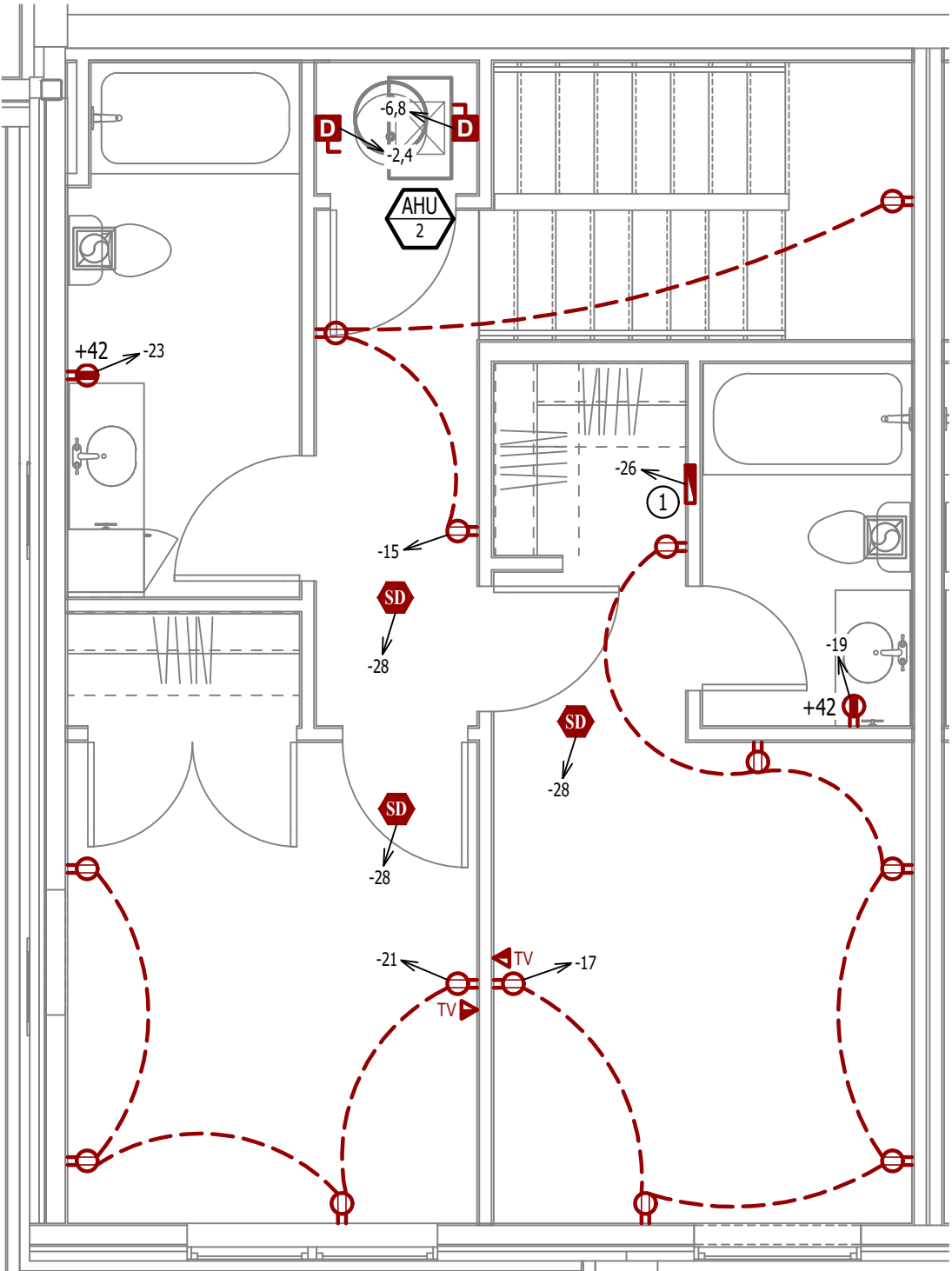
LIGHTING PLAN GENERAL NOTES:

- SEE E500 & E600 SERIES SHEETS FOR ADDITIONAL ELECTRICAL NOTES, DETAILS, & SCHEDULES.
- ALL LIGHTING SHOWN SHALL BE ON CIRCUIT 16 UNLESS NOTED OTHERWISE.



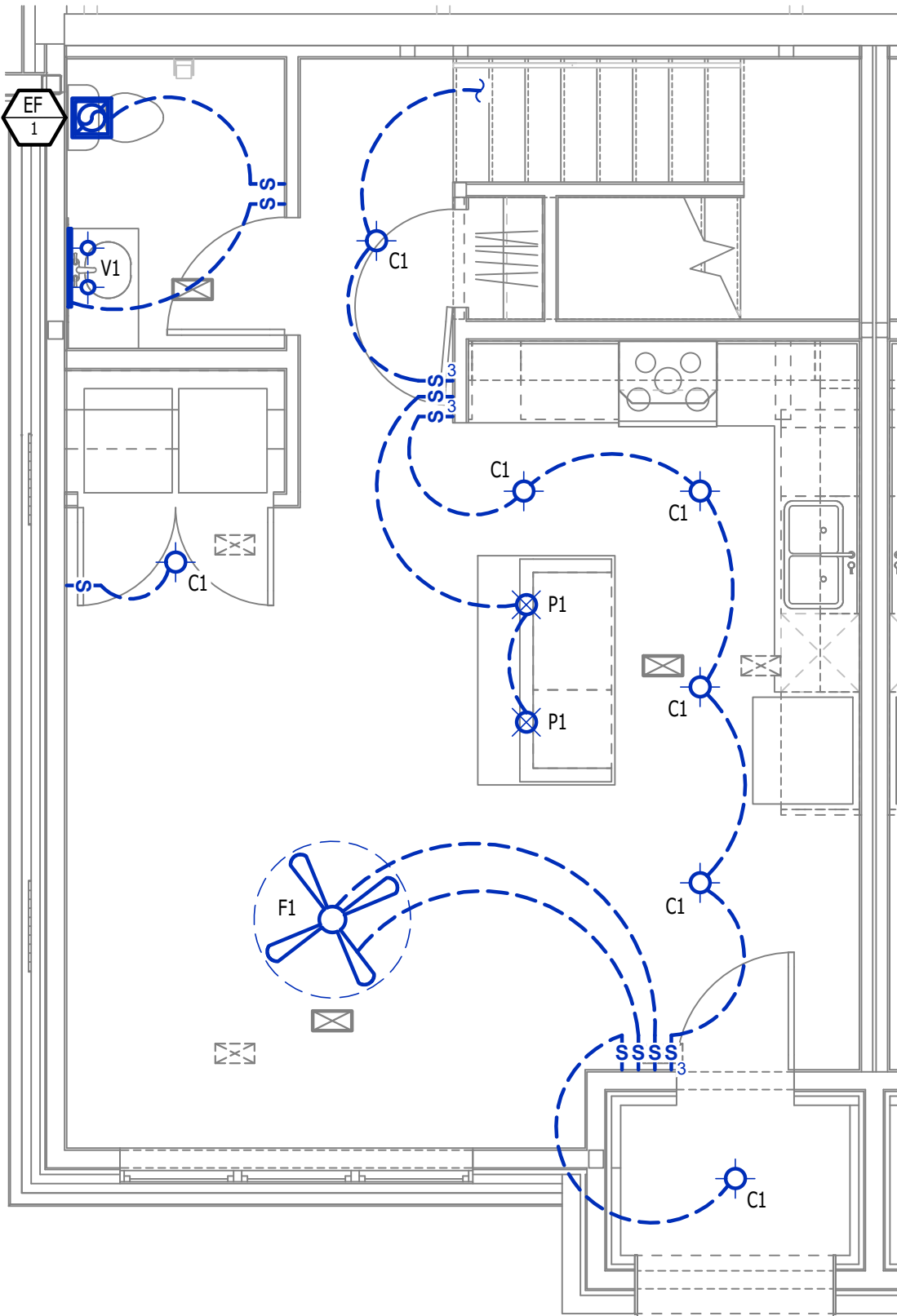
POWER PLAN - FIRST FLOOR

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



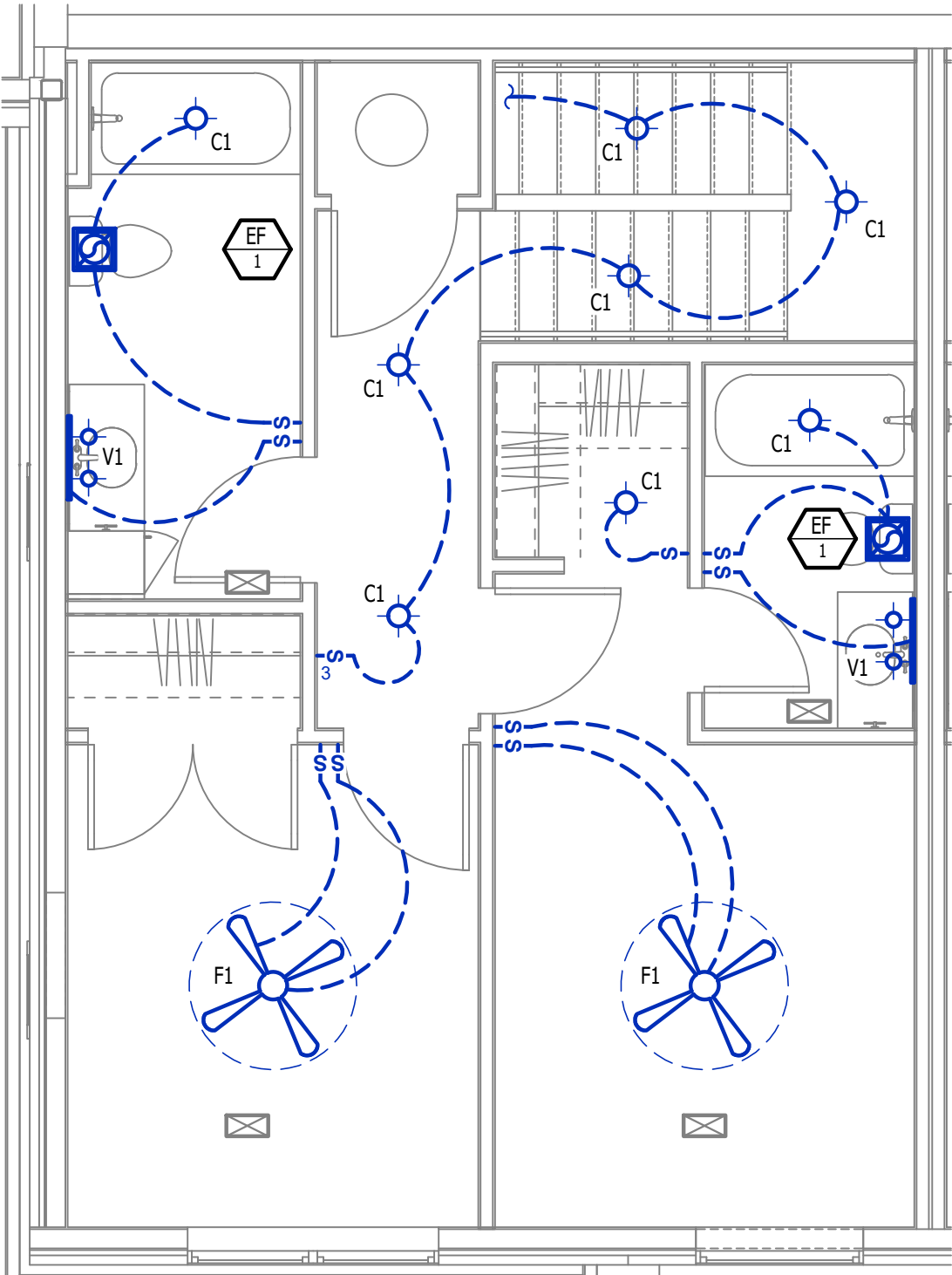
POWER PLAN - SECOND FLOOR

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



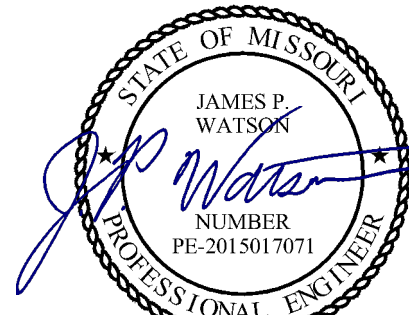
LIGHTING PLAN - FIRST FLOOR

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

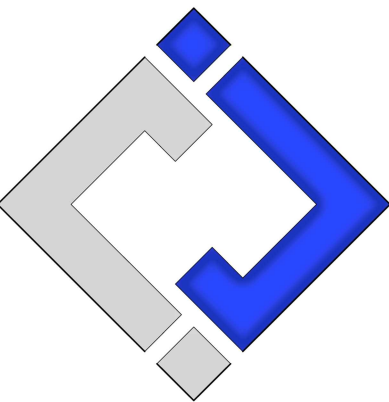


LIGHTING PLAN - SECOND FLOOR

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



James Watson, P.E. January 06, 2025
PE-2015017071
MO Certificate of Authority # 2018029680



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J2 PROJECT No: J21012

J2 DESIGN: ACW

ISSUE TITLE DATE

CITY SUBMITTAL 11 - 27 - 2024

ADDENDUM #1 12 - 18 - 2024

ADDENDUM #2 01 - 06 - 2025



MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

Village at Discovery Lot 9A

200 Northeast Alura Way
Lee's Summit, Jackson County, MO 64064

AHJ APPROVAL STAMP

SHEET TITLE

POWER &
LIGHTING
PLAN - UNIT
TYPE
BROWNSTONE

SHEET NUMBER

UMEP2.4.2