

# THE VILLAGE AT DISCOVERY - LOT 7

## LEE'S SUMMIT, MO

PRINTS ISSUED  
11/12/24 - CITY SUBMITTAL

REVISIONS:  
1 12/04/24 Add #1 - City Comments  
2 12/20/24 Add #2  
4 03/14/25 ASI 7.2  
6 02/20/26 CHANGES TO APPROVED PLANS

**rosemann & associates p.c.**  
ARCHITECTURE  
INTERIOR DESIGN  
ENGINEERING  
PLANNING

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THE VILLAGE AT DISCOVERY -  
LOT 7

1920 NE DISCOVERY AVE  
LEE'S SUMMIT, MO  
64064

SHEET TITLE  
TITLE SHEET

PROJECT NUMBER: 23103

SHEET NUMBER:

### 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:

AS-100	G-102	G-210	A-105	A-201	A-404	A-503
G-001	G-200	G-211	A-106	A-300	A-405	A-504
G-001.1	G-201	G-212	A-110	A-301	A-406	A-505
G-002	G-202	G-213	A-111	A-302	A-407	A-506
G-003	G-203	G-300	A-112	A-303	A-408	A-600
G-004	G-204	G-301	A-113	A-304	A-409	A-601
G-005	G-205	G-302	A-114	A-305	A-410	A-602
G-006	G-206	G-303	A-115	A-400	A-415	A-603
G-007	G-207	A-101	A-120	A-401	A-500	A-700
G-100	G-208	A-102	A-125	A-402	A-501	A-711
G-101	G-209	A-103	A-200	A-403	A-502	

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

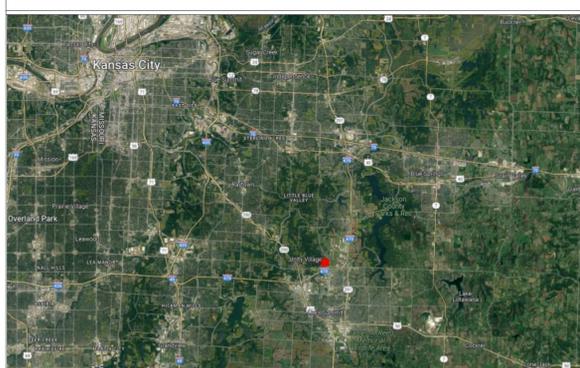


David E. Hendrikse, AIA

### REGIONAL MAP



### VICINITY MAP



THE VILLAGE AT DISCOVERY - LOT 7

LEE'S SUMMIT, MO



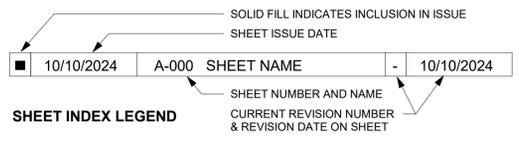
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CIVIL UNDER SEPARATE REVIEW, REFERENCE FDP

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### PROJECT DATA

**PROJECT DESIGN INFORMATION**

**NEW CONSTRUCTION:**

**ZONING:** PMIX - PLANNED MIX 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 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 BUILDING

**HEIGHT:** 3 STORIES, 43'-0"

**SQUARE FOOTAGES:** GROSS NET

FIRST FLOOR	24,603 S.F.	24,089 S.F.
SECOND FLOOR	24,790 S.F.	24,376 S.F.
THIRD FLOOR	24,790 S.F.	24,376 S.F.

**UNIT SUMMARY:** 46 TOTAL UNITS

**TYPE 'A' UNITS (2%):** (1) UNITS - ABERDEEN "A"

**HIV UNITS (2%):** (1) UNITS - ADRIAN "HIV" (LG)

**TYPE 'B' UNITS:** (3) UNITS - ABERDEEN "B"  
(2) UNITS - ABERDEEN - ALT  
(13) UNITS - ADRIAN (LG)  
(4) UNITS - ADRIAN - ALT  
(2) UNITS - ADRIAN CORNER  
(4) UNITS - ARA  
(2) UNITS - ARA - ALT  
(2) UNITS - ARA CORNER  
(4) UNITS - DELTA  
(2) UNITS - HURLEY  
(2) UNITS - LANA  
(2) UNITS - LANA (LG)

**TOTAL UNITS:** (46) UNITS

**SQUARE FOOTAGE:** GROSS NET

ABERDEEN "A" (LG)	1,377 S.F.	1,307 S.F.
ABERDEEN "B" (LG)	1,377 S.F.	1,307 S.F.
ABERDEEN - ALT	1,178 S.F.	1,098 S.F.
ADRIAN (LG)	823 S.F.	771 S.F.
ADRIAN (LG)	858 S.F.	803 S.F.
ADRIAN "HIV" (LG)	858 S.F.	802 S.F.
ADRIAN - ALT	858 S.F.	803 S.F.
ADRIAN CORNER	731 S.F.	684 S.F.
ARA	588 S.F.	543 S.F.
ARA - ALT	693 S.F.	642 S.F.
ARA CORNER	1,094 S.F.	1,039 S.F.
DELTA	879 S.F.	829 S.F.
HURLEY	938 S.F.	874 S.F.
LANA	1,062 S.F.	985 S.F.
LANA (LG)	1,113 S.F.	1,042 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  
PHONE: 573.881.0280

**ARCHITECT**

**ROSEMANN & ASSOCIATES, P.C.**

ADDRESS: 1526 Grand Boulevard  
Kansas City, MO 64108

CONTACT: **Name**  
EMAIL: Email  
PHONE: 816.472.1448

**CONTRACTOR**

**INTRINSIC DEVELOPMENT**

ADDRESS: 3622 ENDEAVOR AVE., STE. 101  
COLUMBIA, MO 65201

CONTACT: **BRIAN MAENNER**  
EMAIL: bmaenner@intrinsicdevelopment.com  
PHONE: 573.881.0280

**STRUCTURAL ENGINEER**

**MCCLURE**

ADDRESS: 1901 PENNSYLVANIA DRIVE  
COLUMBIA, MO 65202

CONTACT: **CELESTE SPICKERT**  
EMAIL: cspickert@mcclurevision.com  
PHONE: 573.234.2609

**MECHANICAL, ELECTRICAL, PLUMBING ENGINEER**

**J-SQUARED ENGINEERING**

ADDRESS: 2400 BLUFF CREEK DRIVE, SUITE 101  
COLUMBIA, MO 65201

CONTACT: **ANDREW WHITE**  
EMAIL: andrew@j-squaredeng.com  
PHONE: 573.234.4492

**CIVIL ENGINEER**

**CROCKETT ENGINEERING CONSULTANTS**

ADDRESS: 1000 W NIFONG BLVD BLDG. 1  
COLUMBIA, MO 65203

CONTACT: **TIM CROCKETT**  
EMAIL: tim@crockettengineering.com  
PHONE: 573.447.0292

**LANDSCAPE ARCHITECT**

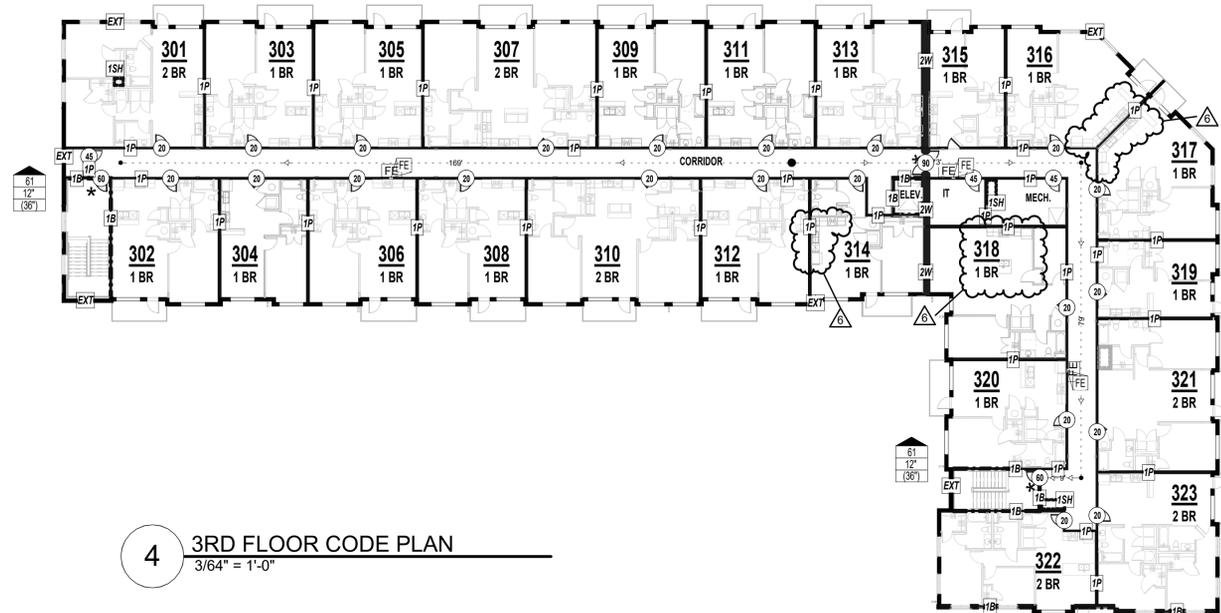
**LAND WORKS STUDIO**

ADDRESS: 102 SOUTH CHERRY ST, 2ND FL  
OLATHE, KS 66061

CONTACT: **MIKE MCGREW**  
EMAIL: Mike@landworksstudio.com  
PHONE: 913.780.6707

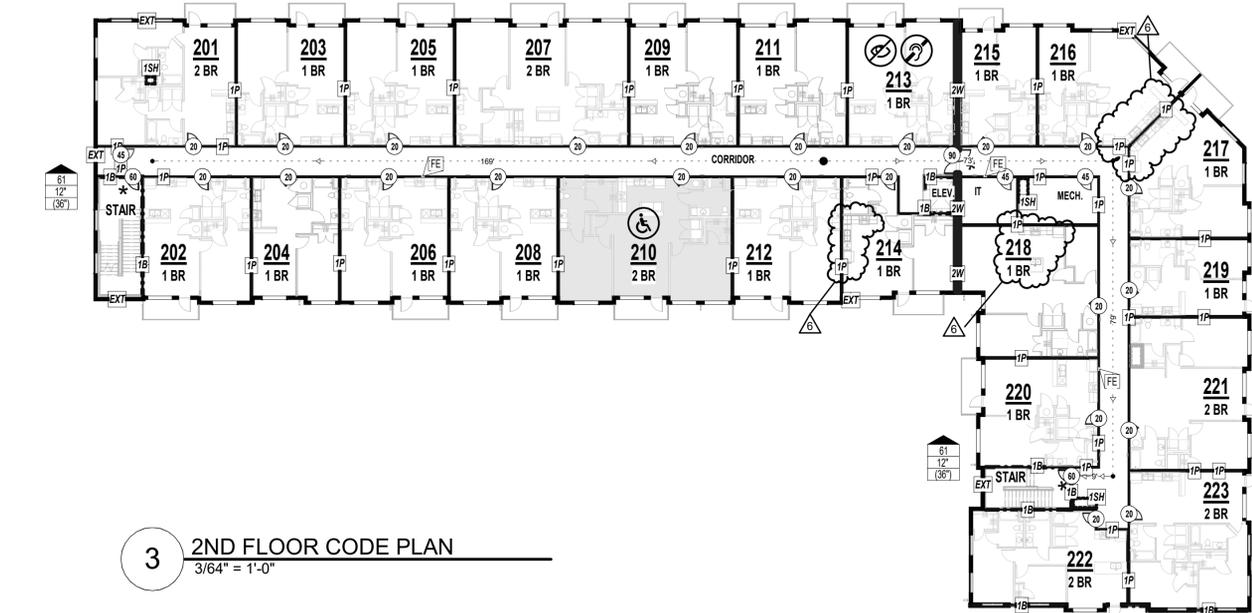
### SIGNATURE BLOCK

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KANSAS CITY, MO 64108-1404

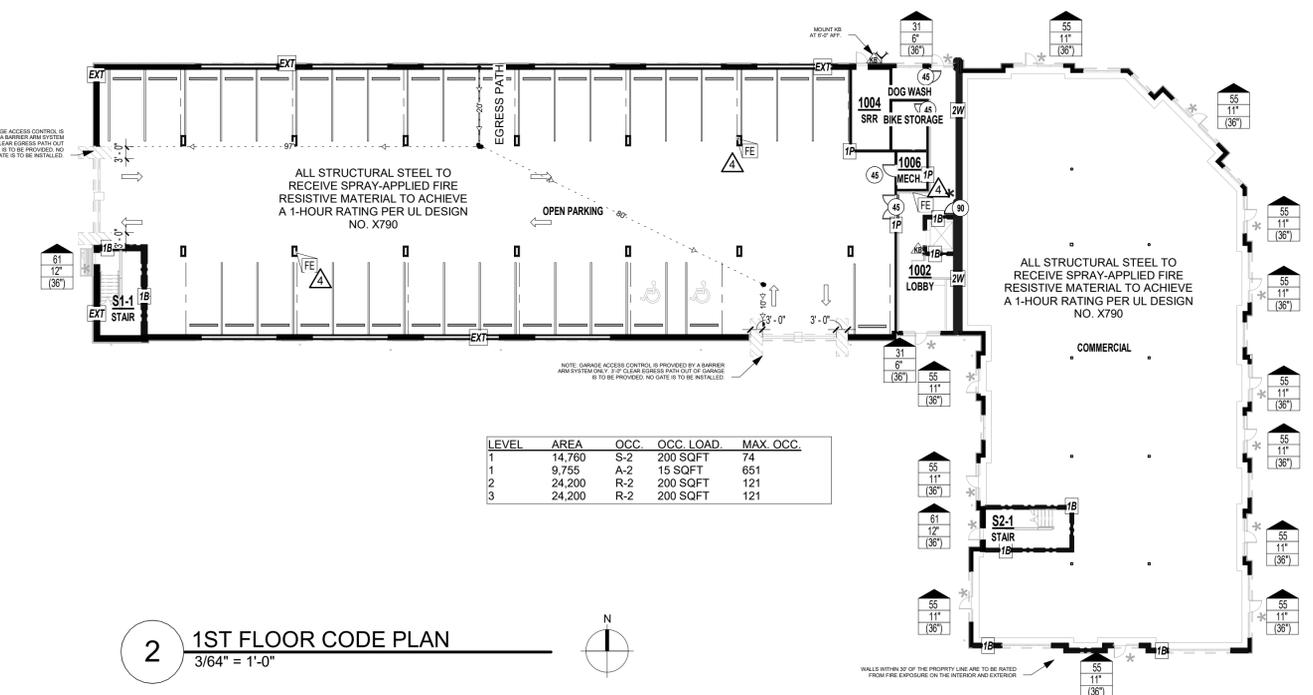


4 3RD FLOOR CODE PLAN  
3/64" = 1'-0"

- CODE PLAN GENERAL NOTES:**
- FIRE EXTINGUISHERS SHALL BE LOCATED SO THAT THE MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 75 FEET. GENERAL CONTRACTOR TO PROVIDE SEMI-RECESSED FIRE EXTINGUISHER CABINETS WITH FIRE EXTINGUISHERS THROUGHOUT AT ACCESSIBLE HEIGHT.
  - SIGNS IDENTIFYING FIRE PROTECTION EQUIPMENT, CONTROLS FOR AIR CONDITIONING SYSTEMS, SPRINKLER RISERS AND VALVES, OR OTHER FIRE DETECTION, SUPPRESSION OR CONTROL ELEMENTS SHALL BE IDENTIFIED FOR THE USE OF THE FIRE DEPARTMENT PER 2018 IBC. SIGNAGE SHALL ALSO MEET 2018 IFG REQUIREMENTS FOR HEIGHT AND LETTERING. GO TO COORDINATE WITH AUTHORITY HAVING JURISDICTION ON ALL SIGNAGE.
  - KNOX BOX QUANTITY AND LOCATION TO BE COORDINATED BY THE GENERAL CONTRACTOR WITH AUTHORITY HAVING JURISDICTION.
  - ANNUNCIATOR PANEL AND FACP QUANTITY AND LOCATION TO BE COORDINATED BY THE GENERAL CONTRACTOR WITH AUTHORITY HAVING JURISDICTION PRIOR TO INSTALL.
  - ALL DIMENSIONS ARE APPROXIMATE ON CODE PLAN. ACTUAL ARCHITECTURAL DIMENSIONS PER ARCHITECTURAL AND STRUCTURAL PLAN.

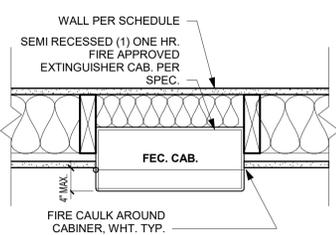


3 2ND FLOOR CODE PLAN  
3/64" = 1'-0"



2 1ST FLOOR CODE PLAN  
3/64" = 1'-0"

PROJECT NAME:		THE VILLAGE AT DISCOVERY - LOT 4	
PROJECT LOCATION:		LEE'S SUMMIT, MO	
CODE:		2018 IBC	
CODE REVIEW COMPLETED BY:		A.J. DOLPH	
<b>CHAPTER THREE</b>			
SECTION 302 OCCUPANCY:		R-2, APARTMENTS A-2, UNCONCENTRATED S-2, OPEN PARKING GARAGE	
<b>CHAPTER FOUR</b>			
402 COVERED MALL BUILDINGS:	N/A	416 FLAMMABLE FINISHES:	N/A
403 HIGH RISE BUILDINGS:	N/A	417 DRYING ROOMS:	N/A
404 ATRIUMS:	N/A	418 ORGANIC COATINGS:	N/A
405 UNDERGROUND BUILDINGS:	N/A	419 LIV/WORK UNITS:	N/A
407 GROUP I-2:	N/A	421 HYDROGEN FUEL GAS ROOMS:	N/A
408 GROUP I-3:	N/A	422 AMBULATORY CARE FACILITY:	N/A
409 MOTION PICTURE PROJECTION:	N/A	423 STORM SHELTERS:	N/A
410 STAGES AND PLATFORMS:	N/A	424 CHILDREN'S PLAY STRUCTURE:	N/A
411 SPECIAL AMUSEMENT BUILDINGS:	N/A	425 HYPERBARIC FACILITY:	N/A
412 AIRCRAFT RELATED OCCUP.	N/A	426 COMBUSTIBLE DUSTS & GRAINS:	N/A
413 COMBUSTIBLE STORAGE:	N/A	427 MEDICAL GAS SYSTEMS:	N/A
414 HAZARDOUS MATERIALS:	N/A	428 HIGHER EDUCATION LAB:	N/A
415 GROUPS H-1, H-2, H-3, H-4, H-5:	N/A		
406.5 OPEN PARKING GARAGES:	MUST BE TYPE I, II, OR IV CONSTRUCTION 40% MIN. OPENING FOR NATURAL VENTILATION		
420 GROUPS I-1, R-1, R-2, R-3, & R-4:	WALLS SEPARATING SLEEPING UNITS TO BE FIRE PARTITIONS PER SECTION 708		
420.2 SEPARATION WALLS:			
420.3 HORIZONTAL SEPARATION:	FLOORS SEPARATING SLEEPING UNITS TO BE HORIZONTAL ASSEMBLY PER SECTION 711		
420.4 AUTOMATIC SPRINKLER:	13R PER 903.3.1.2 FOR R		
<b>CHAPTER FIVE</b>			
TABLE 504.3 ALLOWABLE HEIGHT IN FEET ABOVE GRADE PLANE:	CONSTRUCTION TYPE VA	R: ACTUAL: 42'-0"	ALLOWABLE: 60'-0"
	A: ACTUAL: 16'-0"	ALLOWABLE: 50'-0"	
TABLE 504.3 ALLOWABLE HEIGHT IN FEET ABOVE GRADE PLANE:	CONSTRUCTION TYPE IIA	S: ACTUAL: 16'-0"	ALLOWABLE: 85'-0"
TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE:	CONSTRUCTION TYPE VA	R-2: ACTUAL: 3	ALLOWABLE: 4 STORIES
	A-2: ACTUAL: 1	ALLOWABLE: 2 STORIES	
TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE:	CONSTRUCTION TYPE IIA	S-2: ACTUAL: 1	ALLOWABLE: 6 STORIES
TABLE 506.2 ALLOWABLE AREA FACTOR:	CONSTRUCTION TYPE VA	R-2: ACTUAL: 24.200	ALLOWABLE: 12,000 SQFT
	A-2: ACTUAL: 9.715	ALLOWABLE: 11,500 SQFT	
AREA INCREASE TAKEN FOR R OCCUPANCY, SEE CALCULATION 506.2.4			
FIRE SEPARATION WALL EMPLOYED IN R OCCUPANCY			
TABLE 506.2 ALLOWABLE AREA FACTOR:	CONSTRUCTION TYPE IIA	S-2: ACTUAL: 14.485	ALLOWABLE: 117,000 SQFT
506.2.4 MIXED-OCCUPANCY, MULTISTORY BUILDING:	Aa = [A1 + (NS x I)]		
	Aa = [12,000 + (12,000 x 0.75)]		
	Aa = 21,000		
506.3 FRONTAGE INCREASE:	W = (Ln x Wn) / F		
	W = (100 x 30) / 100		
	W = 30		
506.3.3 AMOUNT OF INCREASE:	If = [F/P - 0.25]W/30		
	If = [100/100 - 0.25]30/30		
	If = 0.75		
TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES:	R - R: 1 HOUR		
	R - A: 1 HOUR		
	R - S: 1 HOUR		
	A - A: 0 HOUR		
	A - S: 0 HOUR		
	S - S: 0 HOUR		
TABLE 509 INCIDENTAL USES:	LAUNDRY > 100 SF, 1HR		
	STORAGE > 100 SF, 1HR		
<b>CHAPTER SIX</b>			
TABLE 601 FIRE RESISTANCE REQS. FOR BUILDING ELEMENTS (HOURS):	CONSTRUCTION TYPE VA & IIA		
	PRIMARY STRUCTURAL FRAME:	1 HOUR	
	INTERIOR BEARING WALL:	1 HOUR	
	EXTERIOR BEARING WALL:	0 HOUR	
	NON-BEARING WALL:	0 HOUR	
	FLOOR CONSTRUCTION:	1 HOUR	
	ROOF CONSTRUCTION:	1 HOUR	
TABLE 602 FIRE RESISTANCE REQS. FOR EXTERIOR WALLS BASED ON FIRE SEP. DISTANCE:	0 HOUR < 30 FEET, > 30 FEET		
<b>CHAPTER SEVEN</b>			
704 FIRE-RESISTANCE RATING OF STRUCTURAL MEMBERS:	1 HOUR RATED	SPRAY APPLIED FIRE RESISTANT MATERIAL	
705.5 EXTERIOR WALLS FIRE-RESISTANCE RATING:	FIRE SEPARATION DISTANCE > 10'-0" RATED EXPOSURE FROM INSIDE ONLY		
TABLE 705.8 MAX AREA OF EXTERIOR WALL OPENINGS:	FIRE SEPARATION DISTANCE > 25'-0" UNPROTECTED, NO LIMIT		
706 FIRE WALLS:	2 HOUR RATED		
707 FIRE BARRIERS:	1 HOUR RATED		
708 FIRE PARTITIONS:	1 HOUR RATED		
709 SMOKE BARRIERS:	N/A		
710 SMOKE PARTITIONS:	N/A		
711 FLOOR & ROOF ASSEMBLIES:	1 HOUR RATED		
712 VERTICAL OPENINGS:	N/A		
713 SHAFT ENCLOSURES:	1 HOUR RATED		
714 PENETRATIONS:	MATCH ASSEMBLY RATING		
715 FIRE-RESISTANT JOINT SYSTEM:	MATCH ASSEMBLY RATING		
TABLE 716.1(2) OPENING FIRE PROTECTION & RATING:	2 HOUR FIRE BARRIER:	90 MINUTE DOOR	
	1 HOUR FIRE BARRIER:	60 MINUTE DOOR	
	1 HOUR CORRIDOR:	20 MINUTE DOOR	
717 DUCTS AND AIR TRANSFER OPENINGS:	REQUIRED AT RATED PENETRATIONS, 1.5 HOUR DAMPER RATING		
<b>CHAPTER NINE</b>			
903 AUTOMATIC SPRINKLER SYSTEM:	R-2, REQUIRED:	NFPA 13R	
	A-2, REQUIRED:	NFPA 13	
	S-2, REQUIRED:	NFPA 13, DRY SYSTEM	
905 STANDPIPE SYSTEM:	CLASS I REQUIRED		
906 PORTABLE FIRE EXTINGUISHERS:	REQUIRED PER NFPA 10, 75'-0" MAX TRAVEL		
907 FIRE ALARM & DETECTION SYSTEM:	REQUIRED PER NFPA 72		
909 SMOKE CONTROL SYSTEM:	COMPLY WITH IMC		
<b>CHAPTER TEN</b>			
TABLE 1004.5 MAX FLOOR AREA ALLOWANCES PER OCCUPANT:	R-2, 200 GROSS		
	A-2, 15 NET		
	S-2, 200 GROSS		
SECTION 1005 MEANS OF EGRESS SIZING:	STAIRS 0.2/OCC. W/ SPRINKLER EXCEPTION OTHER EGRESS 0.15/OCC. W/ SPRINKLER EXCP.		
TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:	R-2: 20 OCC. 125' MAX. PATH OF EGRESS		
	A: 49 OCC. 75' MAX. PATH OF EGRESS		
	S: 29 OCC. 100' MAX. PATH OF EGRESS		
TABLE 1006.3.2 MINIMUM NUMBER OF EXITS PER STORY:	2 EXITS REQ'D W/ OCCUPANT LOAD/STORY 1-500		
1009.3.3 AREA OF REFUGE:	NOT REQUIRED W/ SPRINKLER EXCEPTION		
1009.8 TWO-WAY COMMUNICATION:	REQ'D. AT EACH ELEV. LANDING ABOVE GRADE		
1011.2 STAIRWAY WIDTH CAPACITY:	44" MIN.		
1011.12 STAIRWAY TO ROOF:	UNOCCUPIED ROOF, ACCESS VIA ROOF HATCH		
1014.2 HANDRAIL HEIGHT:	34" MIN. - 38" MAX.		
1014.6 HANDRAIL EXTENSIONS:	EXTEND HORIZONTALLY 12" BEYOND TOP RISER CONTINUE SLOPE 1 DEPTH TREAD AT BOTTOM		
1015 GUARDS:	42" MIN. HEIGHT, 4" MAX. OPENING		
TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE:	R: 250' W/ 13R SPRINKLER		
	A: 250' W/ 13 SPRINKLER		
	S: 400' W/ 13 SPRINKLER		
1019 EXIT ACCESS STAIRWAYS:	1 HOUR RATED PER 713		
TABLE 1020.1 CORRIDOR RATING:	R: 1/2 HOUR RATED W/ 13R SPRINKLER		
	A: NO RATING REQ'D W/ 13 R SPRINKLER		
1020.1.1 HOISTWAY OPENING PROTECTION:	NOT REQUIRED PER 3006.2		
TABLE 1020.2 MIN. CORRIDOR WIDTH:	44" MIN.		
1020.4 DEAD ENDS:	20'-0" MAX.		
<b>CHAPTER ELEVEN</b>			
ACCESSIBILITY TO COMPLY WITH THIS CH. OF IBC, ICC A117.1, ADA, & FAIR HOUSING			
TABLE 1106.1 ACC. PARKING:	SEE CIVIL		
TABLE 1107.6.1.1 ACCESSIBLE DWELLING & SLEEPING UNITS:	2% OF TOTAL REQ'D. TO BE TYPE A		
<b>CHAPTER TWELVE</b>			
1206 SOUND TRANSMISSION:	50STC RATING BETWEEN SLEEPING UNITS		



1 FEC CAB  
1 1/2" = 1'-0"

CODE PLAN LEGEND	
	NUMBER OF OCCUPANTS EXITING
	REQUIRED EXIT WIDTH
	EXIT WIDTH PROVIDED BY DESIGN
	EXT. - RATED PARTITION (IBC CH. 6)
	NON - RATED PARTITION
	1 HR RATED PARTITION (IBC 708)
	1 HR RATED BARRIER (IBC 707)
	1 HR RATED SHAFT ENCLOSURE (IBC 713)
	2 HR RATED FIRE WALL (IBC 706)
	ROOM NUMBER
	FIRE EXTINGUISHER CABINET OR SURFACE MTD. AT CONC.
	EXT. - RATED PARTITION (IBC CH. 6)
	FIRE DEPARTMENT KNOX BOX (DEFER SUBMITTAL FOR LOC.)
	FIRE DEPARTMENT CONNECTION
	DOOR RATING
	DOOR WITH PANIC HARDWARE (SEE DOOR SCHEDULE)
	EXIT SIGNAGE; SEE ELECTRICAL
	EGRESS STARTING POINT
	EGRESS DISTANCE OF TRAVEL
	EGRESS DIRECTION OF TRAVEL

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6 02/20/26 CHANGES TO APPROVED PLANS

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THE VILLAGE AT DISCOVERY - LOT 7

LEE'S SUMMIT, MO

SHEET TITLE  
CODE ANALYSIS

PROJECT NUMBER: 23103

SHEET NUMBER:

**G-100**

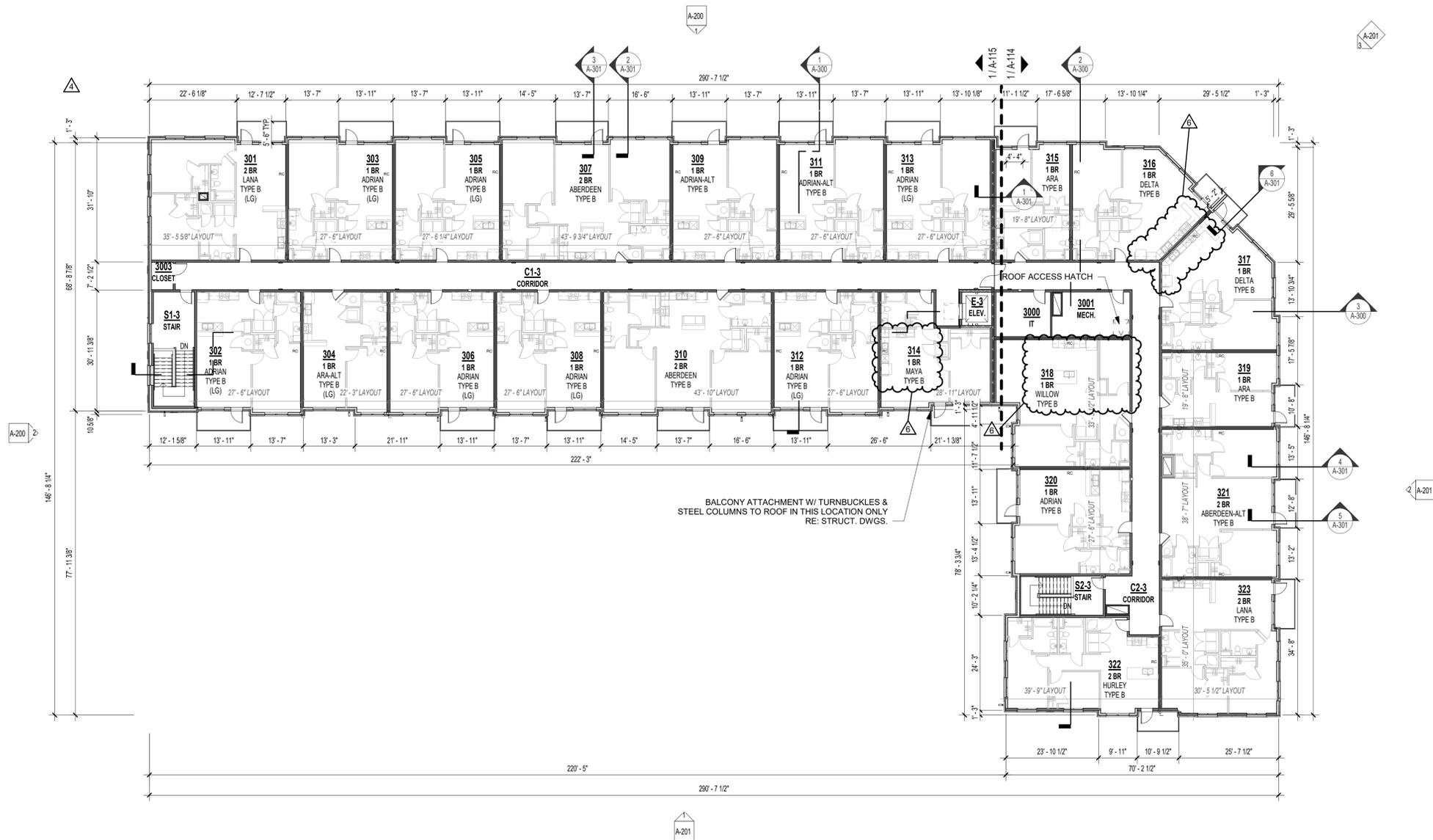


REFERENCE G-003 FOR GENERAL NOTES  
 REFERENCE A-101 FOR PLAN LEGEND  
 REFERENCE A-102 FOR UNIT SHEET REFERENCE

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**1** THIRD FLOOR PLAN  
 1/16" = 1'-0"  
 4' 8' 16' 32'  
 N

THE VILLAGE AT DISCOVERY -  
 LOT 7  
 LEE'S SUMMIT, MO

SHEET TITLE  
 THIRD FLOOR PLAN  
 PROJECT NUMBER: 23103  
 SHEET NUMBER:

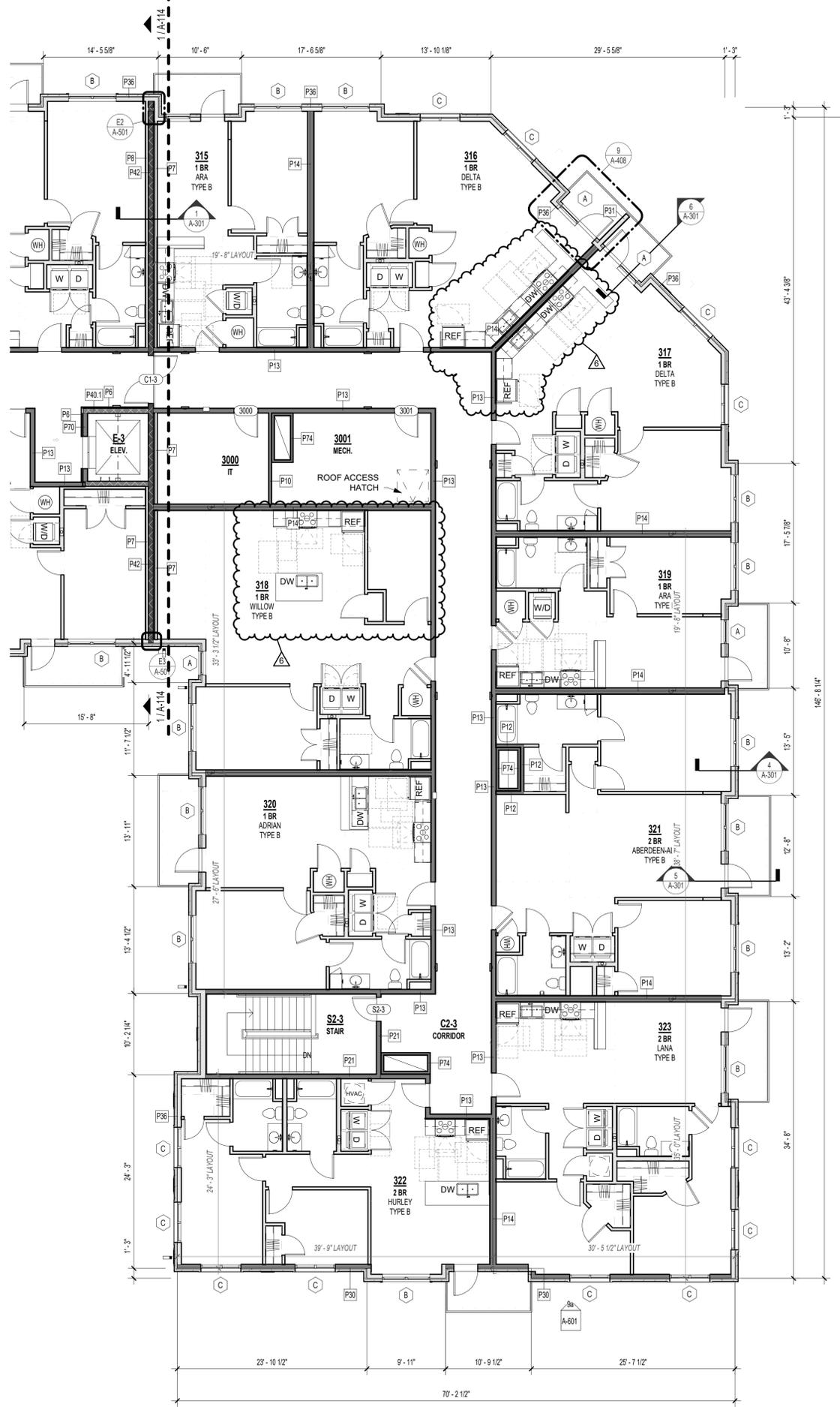
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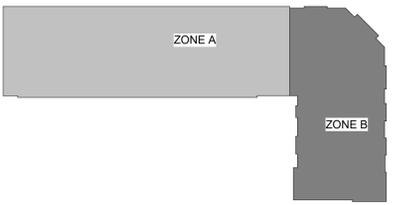








1 THIRD FLOOR ENLARGED PLAN - ZONE B  
1/8" = 1'-0"



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THE VILLAGE AT DISCOVERY -  
LOT 7  
LEE'S SUMMIT, MO

SHEET TITLE  
ENLARGED PLAN - 3RD FLOOR  
ZONE B

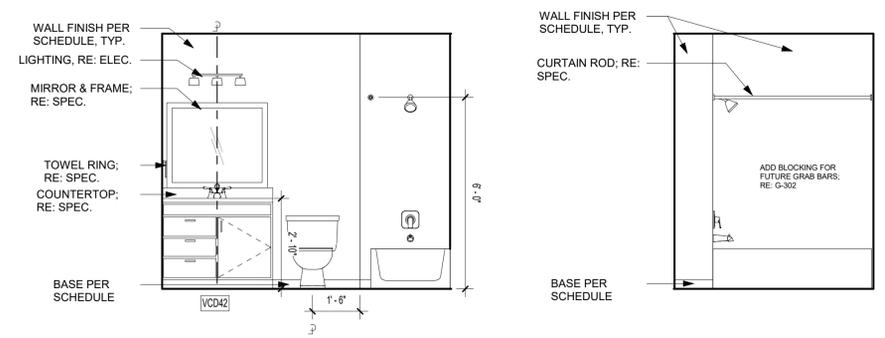
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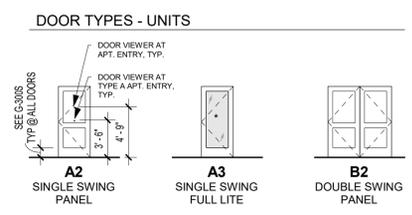
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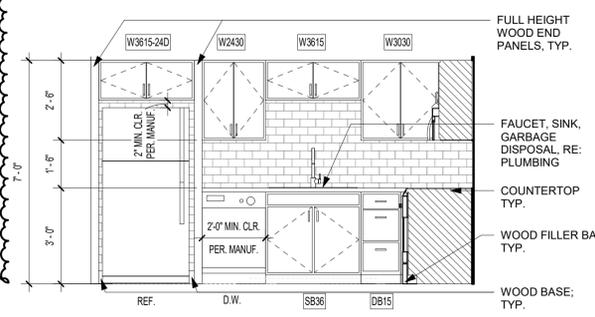


8 MAYA BATH ELEV. 2  
 3/8" = 1'-0"

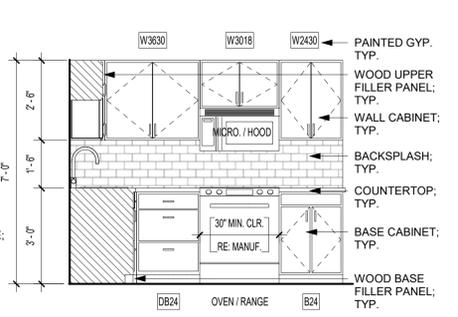
7 MAYA BATH ELEV. 1  
 3/8" = 1'-0"



Room Finish Schedule - Units						
#	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1	WB, PT3	PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1	WB, PT3	PT2	PT4	
006	LAUNDRY	LVT1	WB, PT3	PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1	WB, PT3	PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1	WB, PT3	PT2	PT4	
014	BALCONY	CONCRETE				

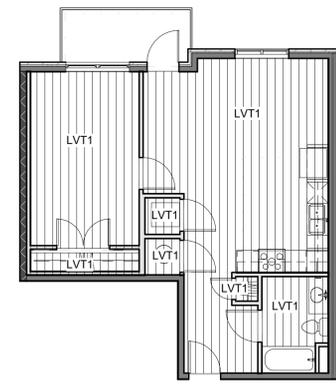


6 MAYA KIT ELEV. 2  
 3/8" = 1'-0"

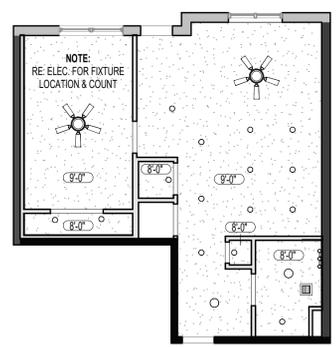


5 MAYA KIT. ELEV. 1  
 3/8" = 1'-0"

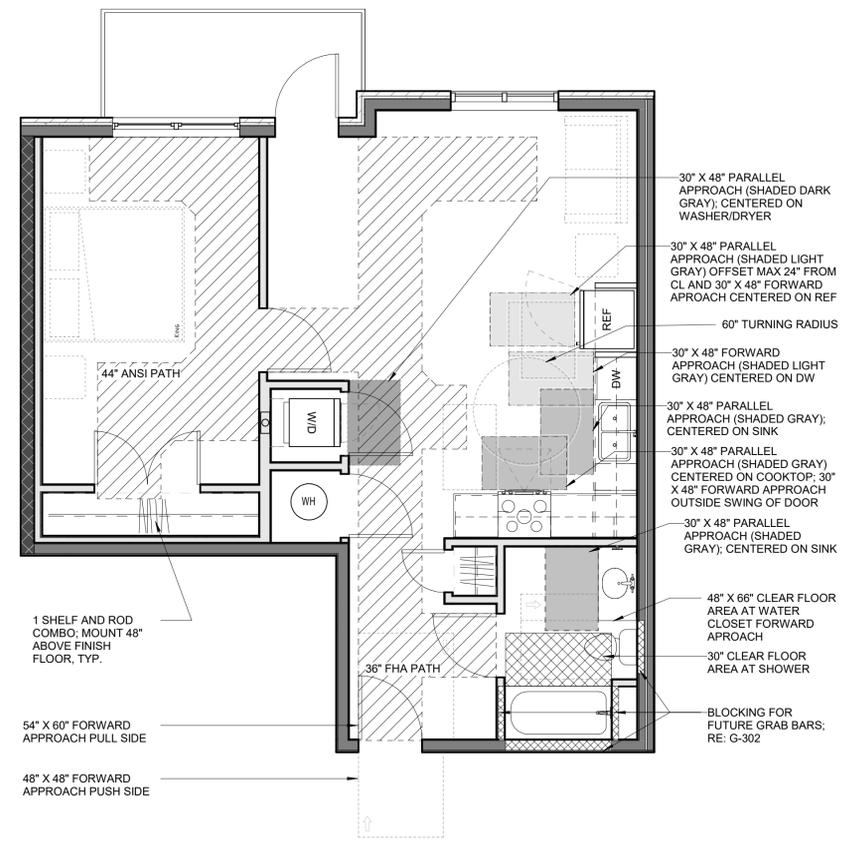
DOOR SCHEDULE - UNITS (MAYA)								
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3'-0"	6'-8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3'-0"	6'-8"	1 3/8"		A2	PH	
005	MECH.	3'-0"	6'-8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D.
006	LAUNDRY	3'-0"	6'-8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D.
008	BATHROOM	3'-0"	6'-8"	1 3/8"		A2	PH	
010	BEDROOM	3'-0"	6'-8"	1 3/8"		A2	PH	
11.1	CLOSET	6'-0"	6'-8"	1 3/8"		B2	PH	
014	BALCONY	3'-0"	8'-0"	1 3/4"		A3	TIMELY	



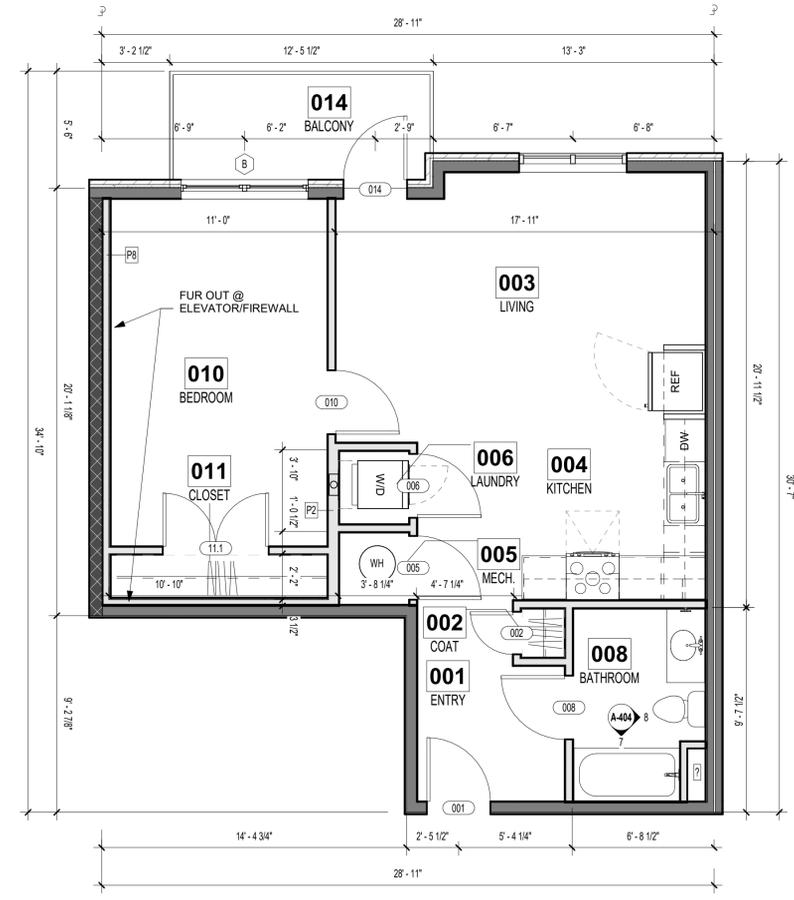
4 UNIT FINISH PLAN - MAYA (1 BR) - TYPE B  
 1/8" = 1'-0"



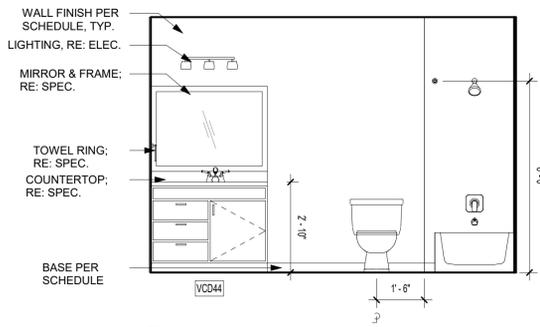
3 UNIT RCP - MAYA (1 BR) - TYPE B  
 1/8" = 1'-0"



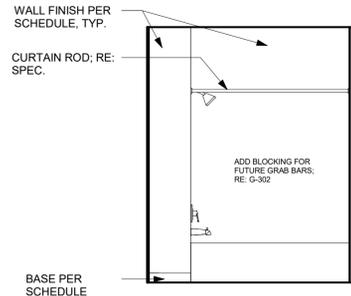
2 UNIT CLEAR SPACE PLAN - MAYA (1 BR) - TYPE B  
 1/4" = 1'-0"



1 UNIT FLOOR PLAN - MAYA (1 BR) - TYPE B  
 1/4" = 1'-0"



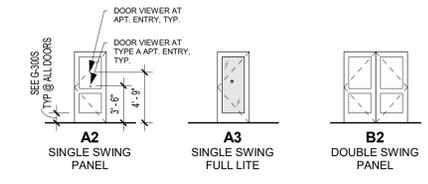
**7 WILLOW BATH ELEV. 2**  
3/8" = 1'-0"



**6 WILLOW BATH ELEV. 1**  
3/8" = 1'-0"

PROF SEAL ADDED  
REFERENCE G-003 FOR GENERAL NOTES  
REFERENCE A-120 FOR RCP LEGEND  
REFERENCE A-400 FOR UNIT PLAN LEGEND  
REFERENCE A-102 & A-103 FOR RC LOCATIONS

**DOOR TYPES - UNITS**

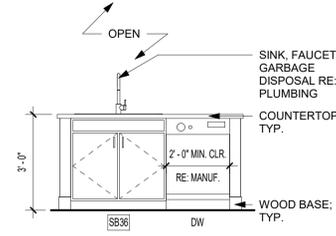


Room Finish Schedule - Units

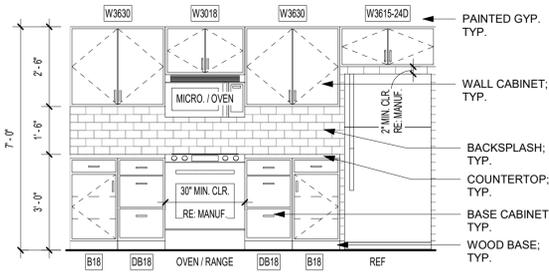
#	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				

DOOR SCHEDULE - UNIT DOORS (WILLOW)

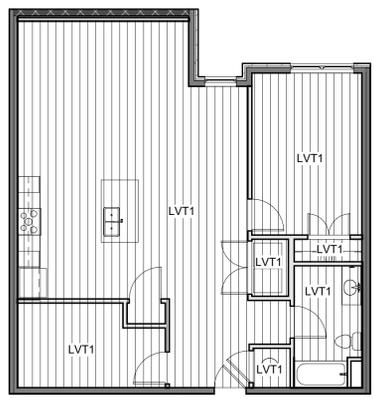
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3'-0"	6'-8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
005	MECH.	3'-0"	6'-8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D.
006	LAUNDRY	5'-0"	6'-8"	1 3/8"		B2	PH	
008	BATHROOM	3'-0"	6'-8"	1 3/8"		A2	PH	
010	BEDROOM	3'-0"	6'-8"	1 3/8"		A2	PH	
11.1	CLOSET	4'-0"	6'-8"	1 3/8"		B2	PH	
015	DEN	3'-0"	6'-8"	1 3/8"		A2	PH	
016	PANTRY	3'-0"	6'-8"	1 3/8"		A2	PH	



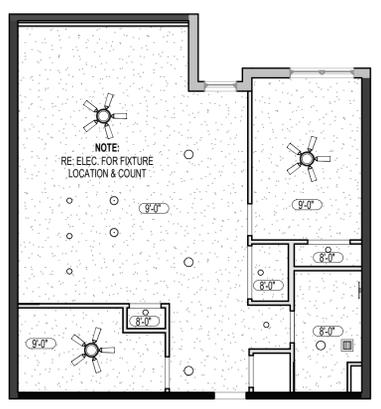
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3/8" = 1'-0" (MIRRORED)



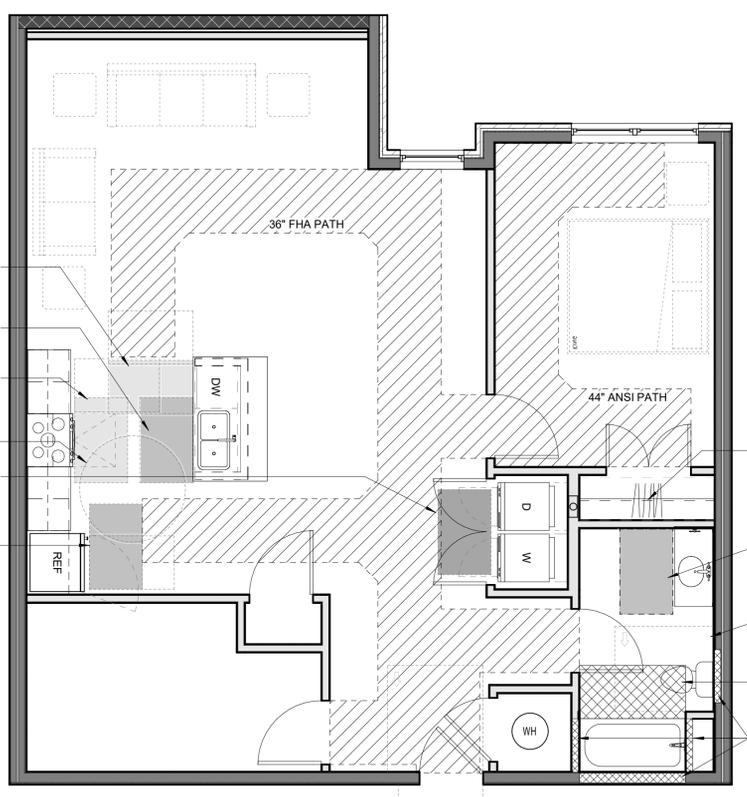
**4 WILLOW KIT. ELEV. 1**  
3/8" = 1'-0" (MIRRORED)



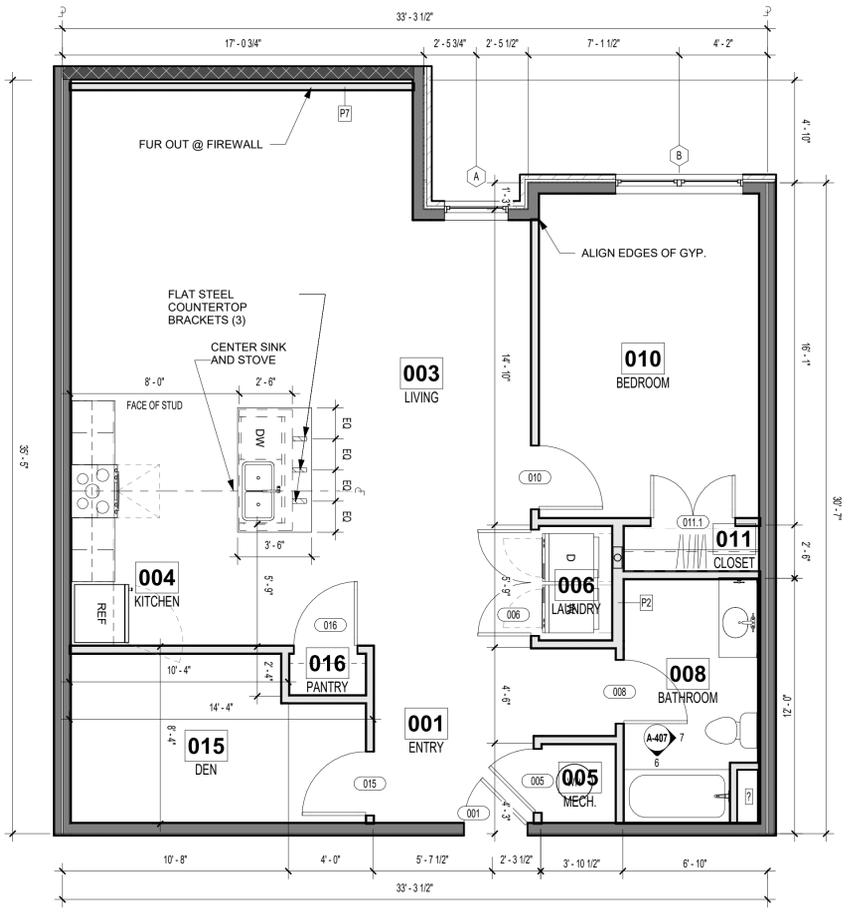
**9 UNIT FINISH PLAN - WILLOW (1 BR) - TYPE B**  
1/8" = 1'-0"



**3 UNIT RCP - WILLOW (1 BR) - TYPE B**  
1/8" = 1'-0"



**2 UNIT CLEAR SPACE PLAN - WILLOW (1 BR) - TYPE B**  
1/4" = 1'-0"



**1 UNIT FLOOR PLAN - WILLOW (1 BR) - TYPE B**  
1/4" = 1'-0"

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11/12/24 - CITY SUBMITTAL

REVISIONS:  
2 12/20/24 Add #2  
5 03/28/25 ASI 7.3  
6 02/20/26 CHANGES TO APPROVED PLANS

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**THE VILLAGE AT DISCOVERY - LOT 7**  
LEES SUMMIT, MO

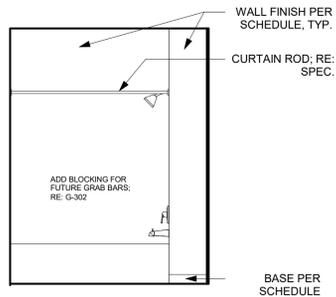
SHEET TITLE  
WILLOW (1 BR) UNIT PLAN

PROJECT NUMBER: 23103

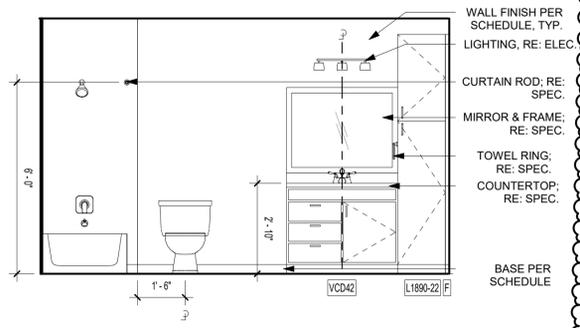
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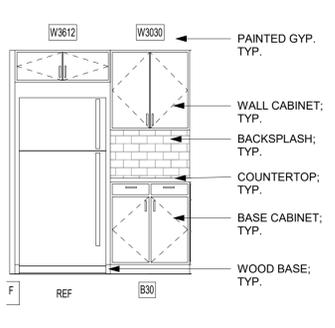
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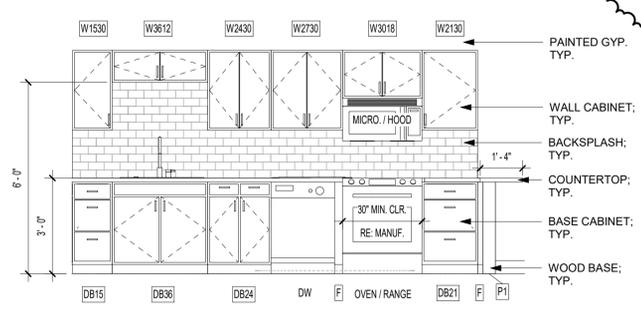
**8 DELTA BATH ELEV. 2**  
3/8" = 1'-0"



**7 DELTA BATH ELEV. 1**  
3/8" = 1'-0"

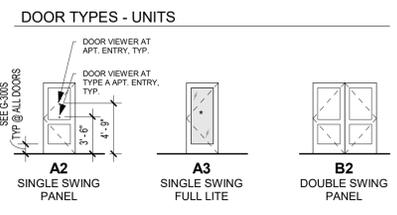


**6 DELTA KIT. ELEV. 2**  
3/8" = 1'-0" (MIRRORED)



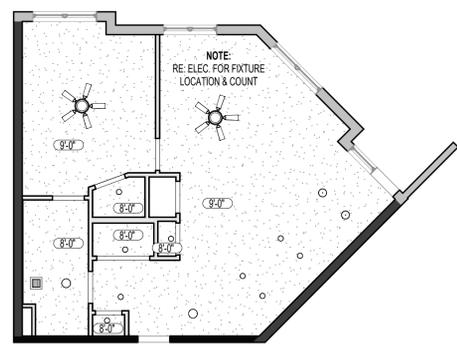
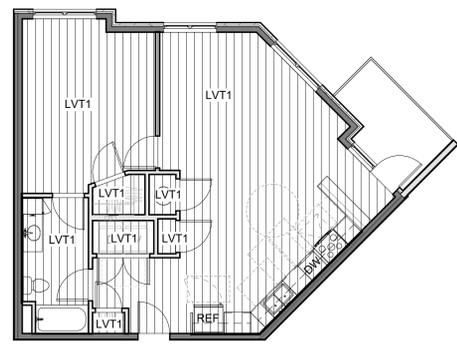
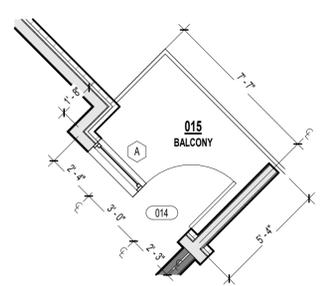
**5 DELTA KIT. ELEV. 1**  
3/8" = 1'-0" (MIRRORED)

PROF SEAL ADDED  
REFERENCE G-003 FOR GENERAL NOTES  
REFERENCE A-120 FOR RCP LEGEND  
REFERENCE A-400 FOR UNIT PLAN LEGEND  
REFERENCE A-102 & A-103 FOR RC LOCATIONS

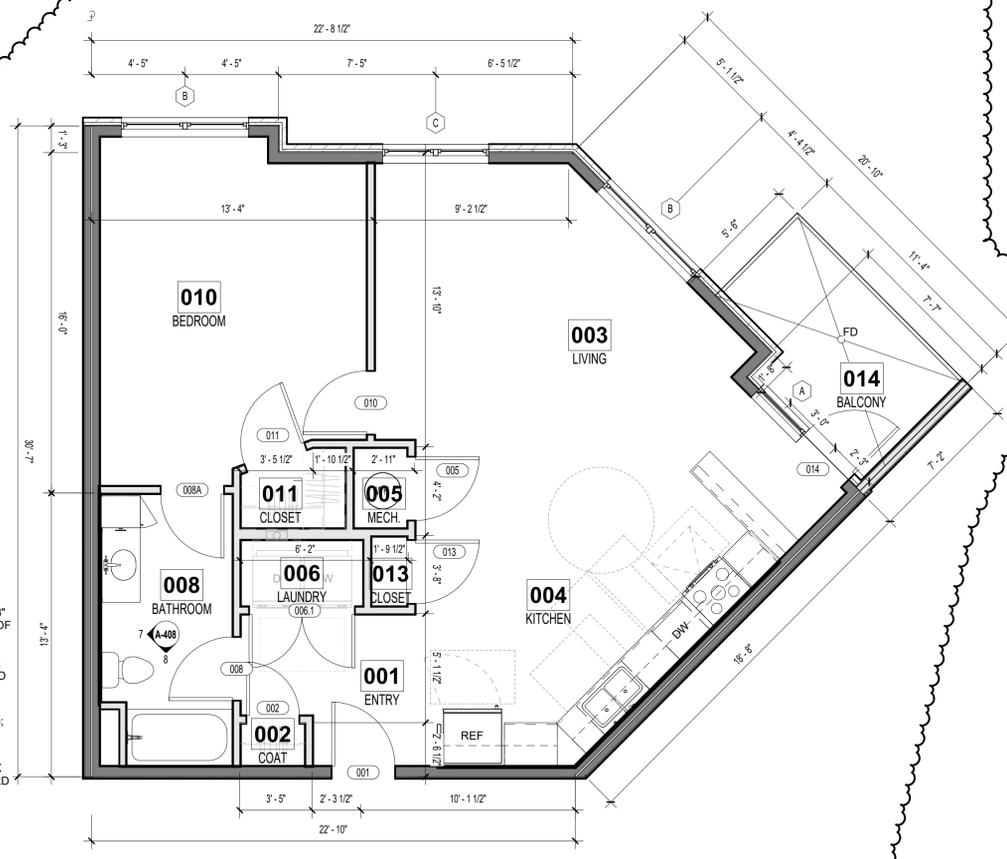
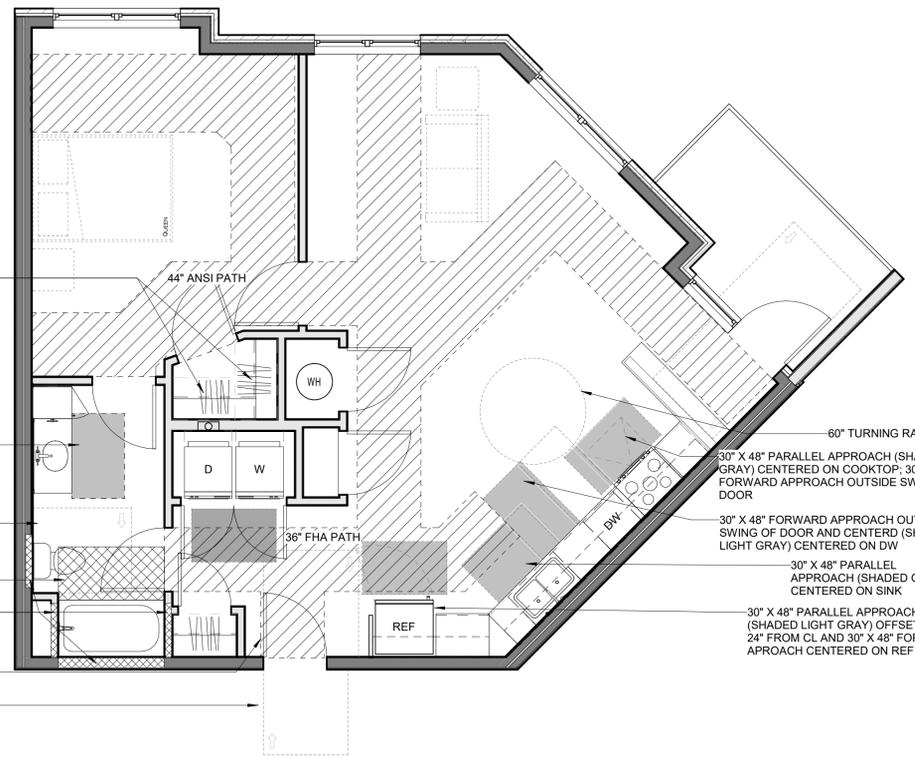


Room Finish Schedule - Units						
#	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
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011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				

DOOR SCHEDULE - UNITS (DELTA)								
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3'-0"	6'-8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3'-0"	6'-8"	1 3/8"		A2	PH	
005	MECH.	3'-0"	6'-8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D.
006.1	LAUNDRY	6'-0"	6'-8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D.
008	BATHROOM	3'-0"	6'-8"	1 3/8"		A2	PH	
010	BEDROOM	3'-0"	6'-8"	1 3/8"		A2	PH	
011	CLOSET	3'-0"	6'-8"	1 3/8"		A2	PH	
013	CLOSET	3'-0"	6'-8"	1 3/8"		A2	PH	
014	BALCONY	3'-0"	8'-0"	1 3/4"		A3	TIMELY	



- 1 SHELF AND ROD COMBO; MOUNT 48" ABOVE FINISH FLOOR, TYP.
- 30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
- 48" X 66" CLEAR FLOOR AREA AT WATER CLOSET FORWARD APPROACH
- 30" CLEAR FLOOR AREA AT SHOWER
- BLOCKING FOR FUTURE GRAB BARS; RE: G-302
- 54" X 60" FORWARD APPROACH PULL SIDE
- 48" X 48" FORWARD APPROACH PULL SIDE



PRINTS ISSUED  
11/12/24 - CITY SUBMITTAL

REVISIONS:  
2 12/20/24 Add #2  
5 03/28/25 ASI 7.3  
6 02/20/26 CHANGES TO APPROVED PLANS

**roseman & associates** p.c.  
ARCHITECTURE  
INTERIOR DESIGN  
ENGINEERING  
PLANNING

1526 Grand Boulevard  
Kansas City, MO 64108-1404  
p: 816.472.1448  
w: www.rosemann.com  
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GENEVIEVE KANSAS CITY • ST. LOUIS • ATLANTA



**THE VILLAGE AT DISCOVERY - LOT 7**

**LEE'S SUMMIT, MO**

SHEET TITLE  
DELTA (1 BR) UNIT PLAN

PROJECT NUMBER: 23103

SHEET NUMBER:

**A-408**

**SANITARY SEWER PLAN SYMBOL LEGEND**

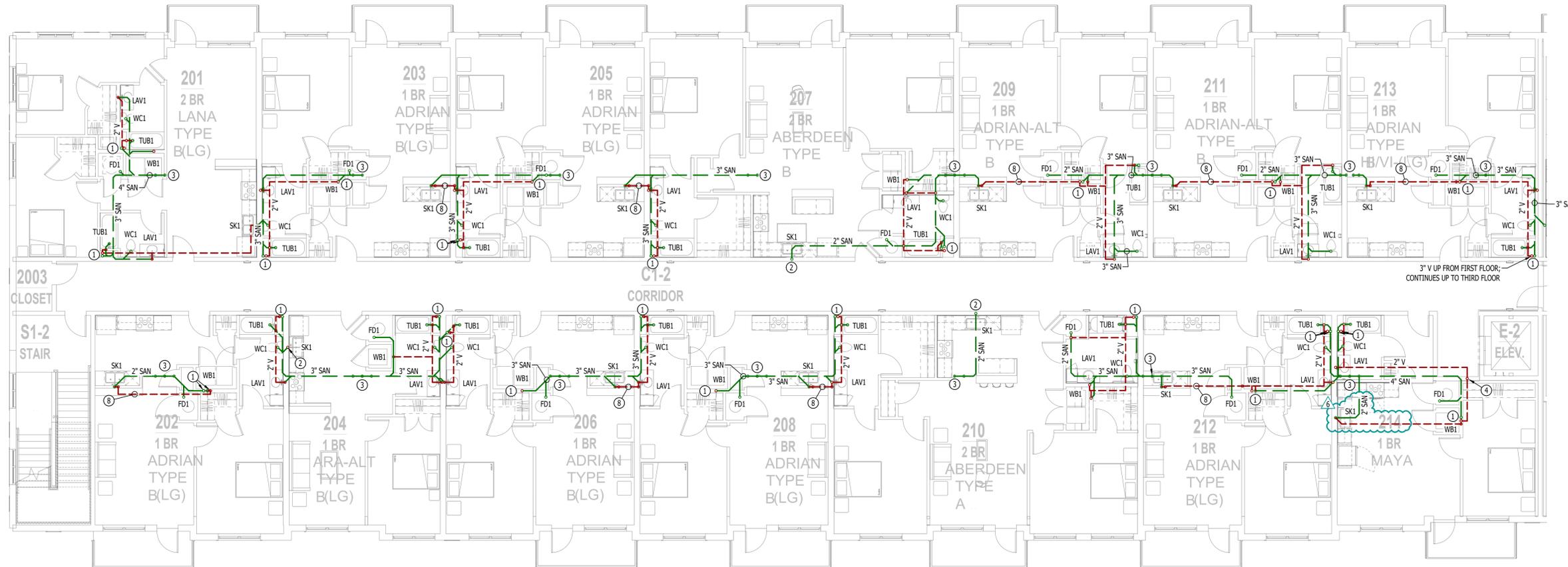
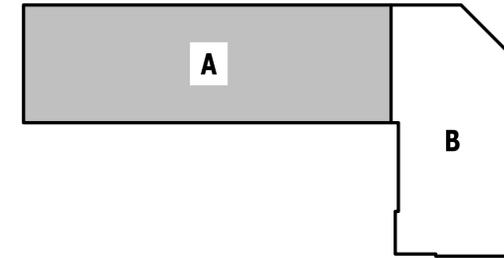
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- ✱— TIE INTO EXISTING

**SANITARY SEWER PLAN GENERAL NOTES:**

1. REFER TO P500 AND/OR P600 SERIES SHEETS FOR ADDITIONAL PLUMBING NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. PLUMBING CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL EQUIPMENT, PIPING, HANGERS / SUPPORTS, ETC. WITH HVAC AND ELECTRICAL TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.

**SANITARY SEWER PLAN KEY NOTES:**

- ① 3" SANITARY STACK DOWN FROM THIRD FLOOR / 3" VENT UP TO THIRD FLOOR.
- ② 2" SANITARY STACK DOWN FROM THIRD FLOOR.
- ③ 4" SANITARY STACK DOWN TO FIRST FLOOR.
- ④ 2" VENT UP FROM LEVEL BELOW; SEE SHEET PS101.
- ⑤ 6" PRIMARY & 6" SECONDARY STORM DRAIN DOWN FROM LEVEL ABOVE.
- ⑥ 6" PRIMARY DOWN TO 1ST FLOOR; SEE SHEET PS101 FOR CONTINUATION.
- ⑦ 6" SECONDARY DOWN TO 1ST FLOOR; SEE SHEET PS101 FOR CONTINUATION.
- ⑧ ISLAND SINK VENT BELOW FLOOR PER 2018 IPC SECTION 916.



**SANITARY SEWER PLAN - SECOND FLOOR - AREA A**  
SCALE: 1/8" = 1'-0"



James Watson, P.E. February 27, 2026  
PE-2015017071  
MO Certificate of Authority # 2018029680



**J-SQUARED  
ENGINEERING**

2400 Bluff Creek Drive, Suite 101  
Columbia, Missouri 65201  
573.234.4492  
www.j-squareeng.com

J2 PROJECT No: J21010  
J2 DESIGN: ACW

ISSUE TITLE	DATE
PERMIT SET	11 - 11 - 2024
ASI 7.2	03 - 14 - 2025
ASI 7.5	02 - 27 - 2026

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

**The Village at Discovery - Lot 7**

1920 NE Discovery Ave.  
Lee's Summit, Jackson County, MO

AHJ APPROVAL STAMP

SHEET TITLE

**SANITARY SEWER PLAN -  
SECOND FLOOR - AREA A**

SHEET NUMBER

**PS102**

**SANITARY SEWER PLAN SYMBOL LEGEND**

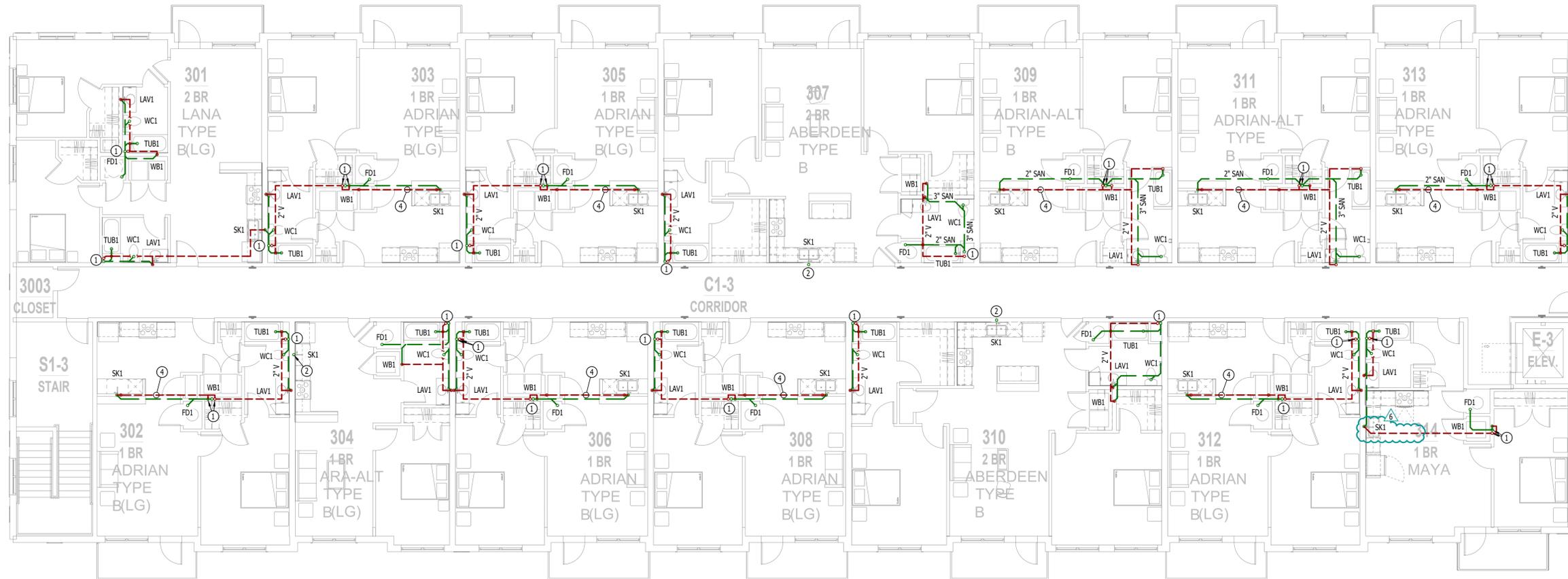
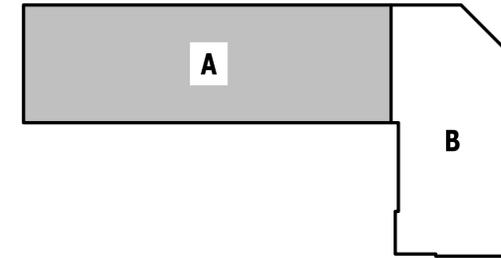
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- ✦— TIE INTO EXISTING

**SANITARY SEWER PLAN GENERAL NOTES:**

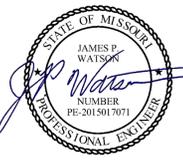
1. REFER TO P500 AND/OR P600 SERIES SHEETS FOR ADDITIONAL PLUMBING NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. PLUMBING CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL EQUIPMENT, PIPING, HANGERS / SUPPORTS, ETC. WITH HVAC AND ELECTRICAL TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.

**SANITARY SEWER PLAN KEY NOTES:**

- ① 3" SANITARY STACK DOWN / 3" VENT UP FROM BELOW TO VENT THRU ROOF.
- ② 2" SANITARY STACK DOWN / 2" VENT UP TO VENT THRU ROOF.
- ③ 6" PRIMARY & 6" SECONDARY STORM DRAIN PIPING DOWN FROM ROOF & CONTINUES DOWN TO SECOND FLOOR.
- ④ ISLAND SINK VENT BELOW FLOOR PER 2018 IPC SECTION 916.



**SANITARY SEWER PLAN - THIRD FLOOR - AREA A**  
SCALE: 1/8" = 1'-0"



James Watson, P.E. February 27, 2026  
PE-2015017071  
MO Certificate of Authority # 2018029680



**J-SQUARED ENGINEERING**

2400 Bluff Creek Drive, Suite 101  
Columbia, Missouri 65201  
573.234.4492  
www.j-squaredeng.com

J2 PROJECT No: J21010  
J2 DESIGN: ACW

ISSUE TITLE	DATE
PERMIT SET	11 - 11 - 2024
ASI 7.2	03 - 14 - 2025
ASI 7.5	02 - 27 - 2026

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

**The Village at Discovery - Lot 7**

1920 NE Discovery Ave.  
Lee's Summit, Jackson County, MO

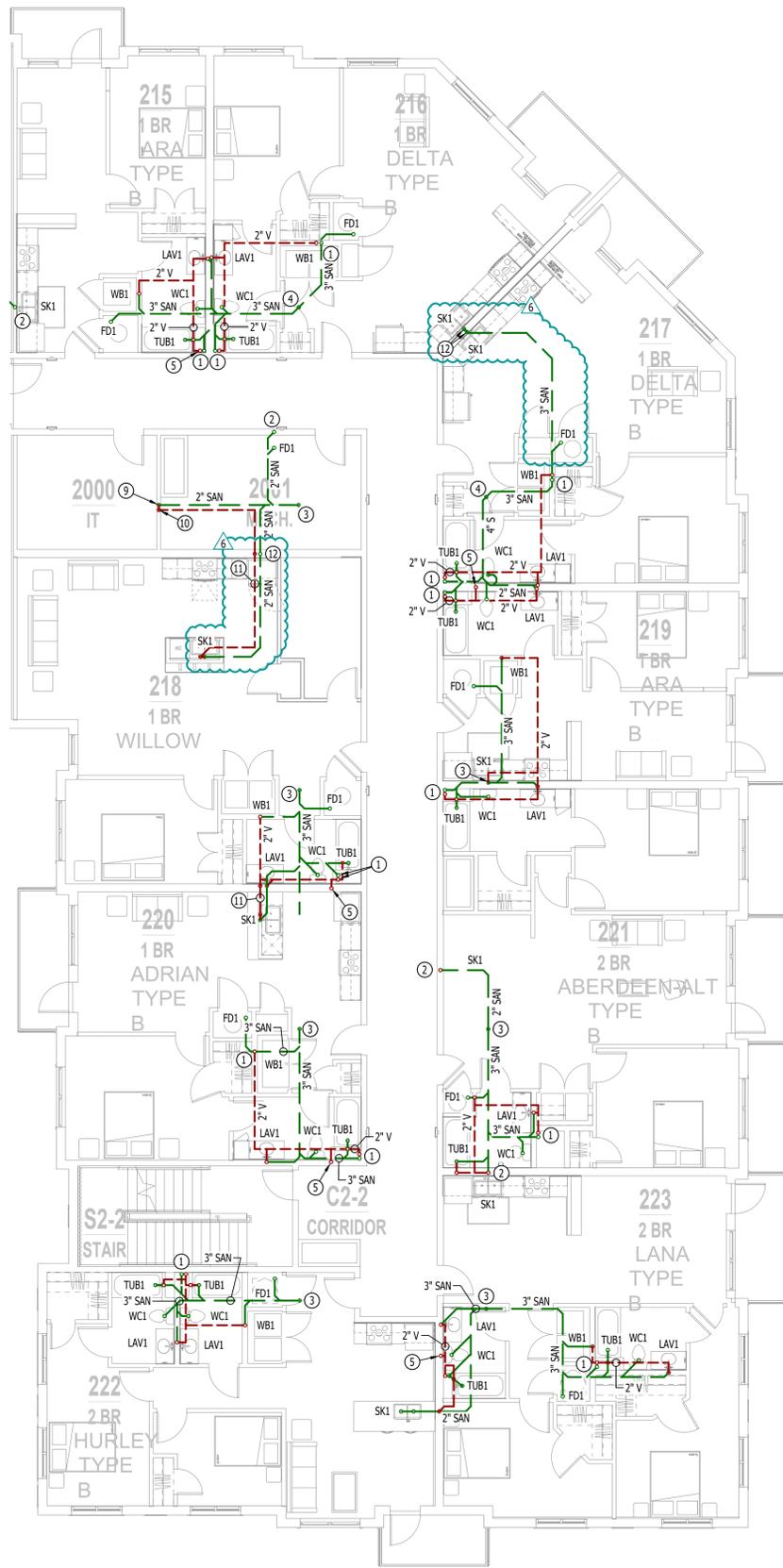
AHJ APPROVAL STAMP

SHEET TITLE

**SANITARY SEWER PLAN - THIRD FLOOR - AREA A**

SHEET NUMBER

**PS103**



**SANITARY SEWER PLAN - SECOND FLOOR - AREA B**  
SCALE: 1/8" = 1'-0"

**SANITARY SEWER PLAN SYMBOL LEGEND**

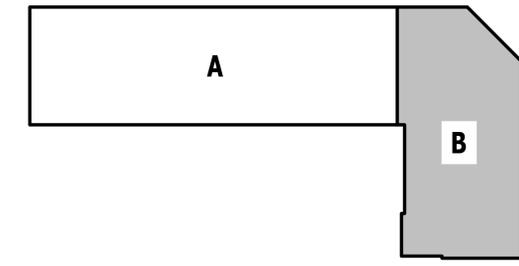
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- TIE INTO EXISTING

**SANITARY SEWER PLAN GENERAL NOTES:**

1. REFER TO P500 AND/OR P600 SERIES SHEETS FOR ADDITIONAL PLUMBING NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. PLUMBING CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL EQUIPMENT, PIPING, HANGERS / SUPPORTS, ETC. WITH HVAC AND ELECTRICAL TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.

**SANITARY SEWER PLAN KEY NOTES:**

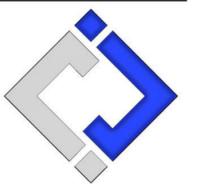
- ① 3" SANITARY STACK DOWN FROM THIRD FLOOR / 3" VENT UP TO THIRD FLOOR.
- ② 2" SANITARY STACK DOWN FROM THIRD FLOOR.
- ③ 3" SANITARY STACK DOWN TO FIRST FLOOR.
- ④ 4" SANITARY STACK DOWN TO FIRST FLOOR.
- ⑤ 3" VENT (CAPPED FOR FUTURE CONNECTION) UP FROM LEVEL BELOW; SEE SHEET P5101.
- ⑥ 6" PRIMARY & 6" SECONDARY STORM DRAIN DOWN FROM LEVEL ABOVE.
- ⑦ 6" PRIMARY DOWN TO 1ST FLOOR. SEE SHEET P5101 FOR CONTINUATION.
- ⑧ 6" SECONDARY DOWN TO 1ST FLOOR. SEE SHEET P5101 FOR CONTINUATION.
- ⑨ HUB DRAIN IN WALL WITH ACCESS PANEL & AAV FOR CONDENSATE DISCHARGE. COORDINATE WITH HVAC CONTRACTOR.
- ⑩ 2" VENT UP IN WALL TO LEVEL ABOVE.
- ⑪ ISLAND SINK VENT BELOW FLOOR PER 2018 IPC SECTION 916.
- ⑫ 3" SANITARY STACK DOWN FROM THIRD FLOOR.



**KEY PLAN**  
SCALE: NTS



James Watson, P.E. February 27, 2026  
PE-2015017071  
MO Certificate of Authority # 2018029680



**J-SQUARED ENGINEERING**

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J2 PROJECT No: J21010  
J2 DESIGN: ACW

ISSUE TITLE	DATE
PERMIT SET	11 - 11 - 2024
ASI 7.2	03 - 14 - 2025
ASI 7.5	02 - 27 - 2026

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

# The Village at Discovery - Lot 7

1920 NE Discovery Ave.  
Lee's Summit, Jackson County, MO

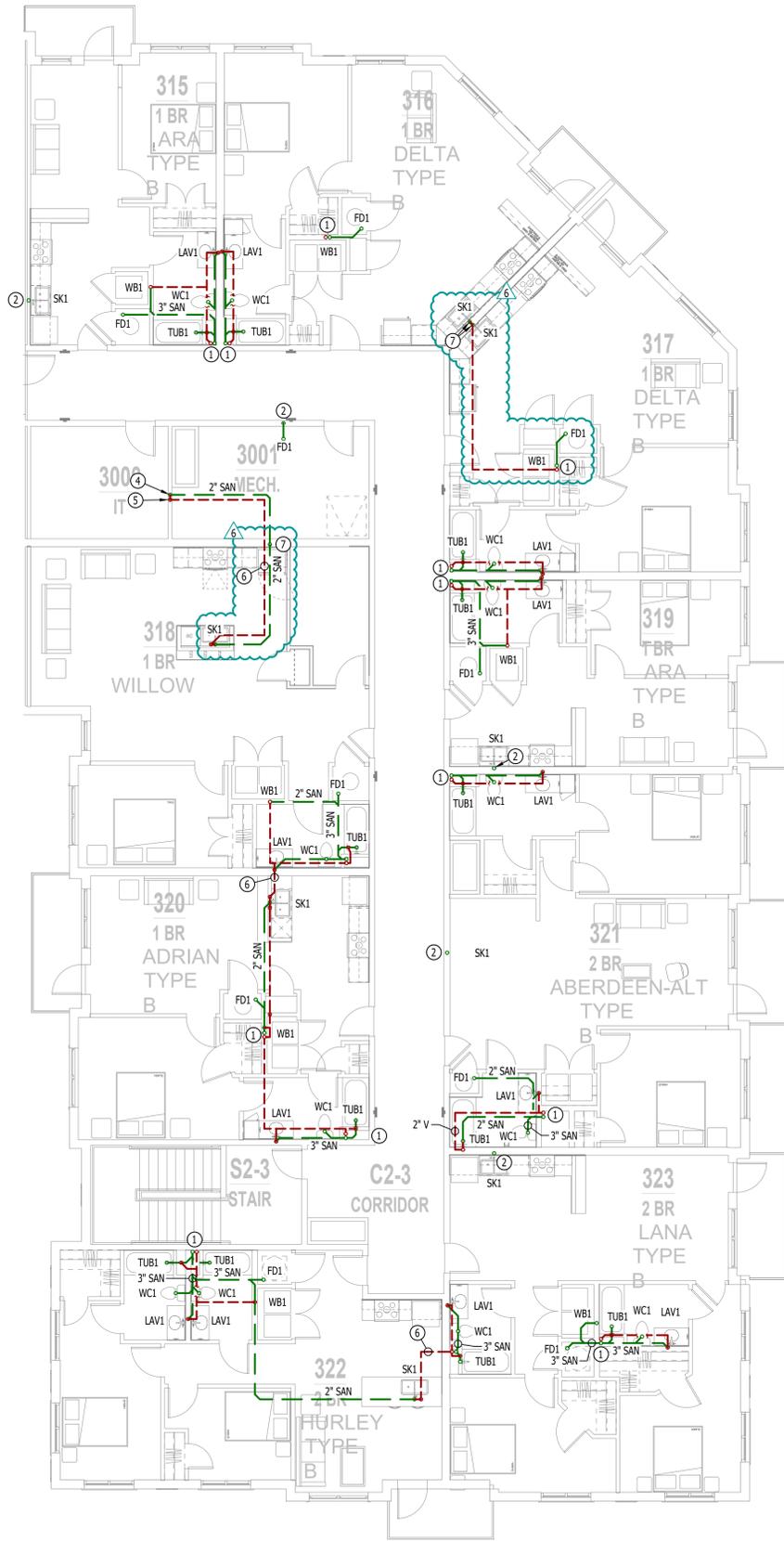
AHJ APPROVAL STAMP

SHEET TITLE

**SANITARY SEWER PLAN - SECOND FLOOR - AREA B**

SHEET NUMBER

**PS112**



**SANITARY SEWER PLAN - THIRD FLOOR - AREA B**  
SCALE: 1/8" = 1'-0"

**SANITARY SEWER PLAN SYMBOL LEGEND**

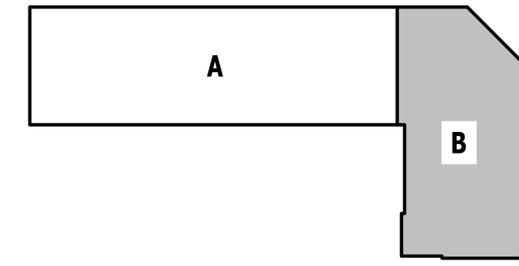
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- ✕ TIE INTO EXISTING

**SANITARY SEWER PLAN GENERAL NOTES:**

1. REFER TO P500 AND/OR P600 SERIES SHEETS FOR ADDITIONAL PLUMBING NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. PLUMBING CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL EQUIPMENT, PIPING, HANGERS / SUPPORTS, ETC. WITH HVAC AND ELECTRICAL TRADES BEFORE INSTALLATION OF ANY MATERIAL. ADDITIONAL COSTS ASSOCIATED WITH LACK OF COORDINATION WILL NOT BE REIMBURSED.

**SANITARY SEWER PLAN KEY NOTES:**

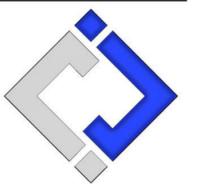
- ① 3" SANITARY STACK DOWN / 3" VENT UP FROM BELOW TO VENT THRU ROOF.
- ② 2" SANITARY STACK DOWN / 2" VENT UP TO VENT THRU ROOF.
- ③ 6" PRIMARY & 6" SECONDARY STORM DRAIN PIPING DOWN FROM ROOF & CONTINUES DOWN TO SECOND FLOOR.
- ④ HUB DRAIN IN WALL WITH ACCESS PANEL & AAV FOR CONDENSATE DISCHARGE. COORDINATE WITH HVAC CONTRACTOR.
- ⑤ 2" VENT UP FROM LEVEL BELOW; CONTINUES UP TO 2" VTR.
- ⑥ ISLAND SINK VENT BELOW FLOOR PER 2018 IPC SECTION 916.
- ⑦ 3" SANITARY STACK DOWN / 3" VENT UP TO VENT THRU ROOF.



**KEY PLAN**  
SCALE: NTS



James Watson, P.E. February 27, 2026  
PE-2015017071  
MO Certificate of Authority # 2018029680



**J-SQUARED ENGINEERING**

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Columbia, Missouri 65201  
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www.j-squaredeng.com

J2 PROJECT No: J21010  
J2 DESIGN: ACW

ISSUE TITLE	DATE
PERMIT SET	11 - 11 - 2024
ASI 7.2	03 - 14 - 2025
ASI 7.5	02 - 27 - 2026

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

# The Village at Discovery - Lot 7

1920 NE Discovery Ave.  
Lee's Summit, Jackson County, MO

AHJ APPROVAL STAMP

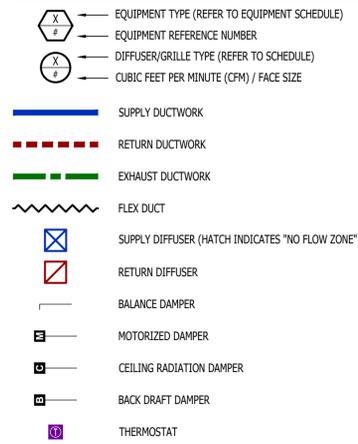
SHEET TITLE

**SANITARY SEWER PLAN  
- THIRD FLOOR - AREA B**

SHEET NUMBER

**PS113**

**HVAC PLAN SYMBOL LEGEND**

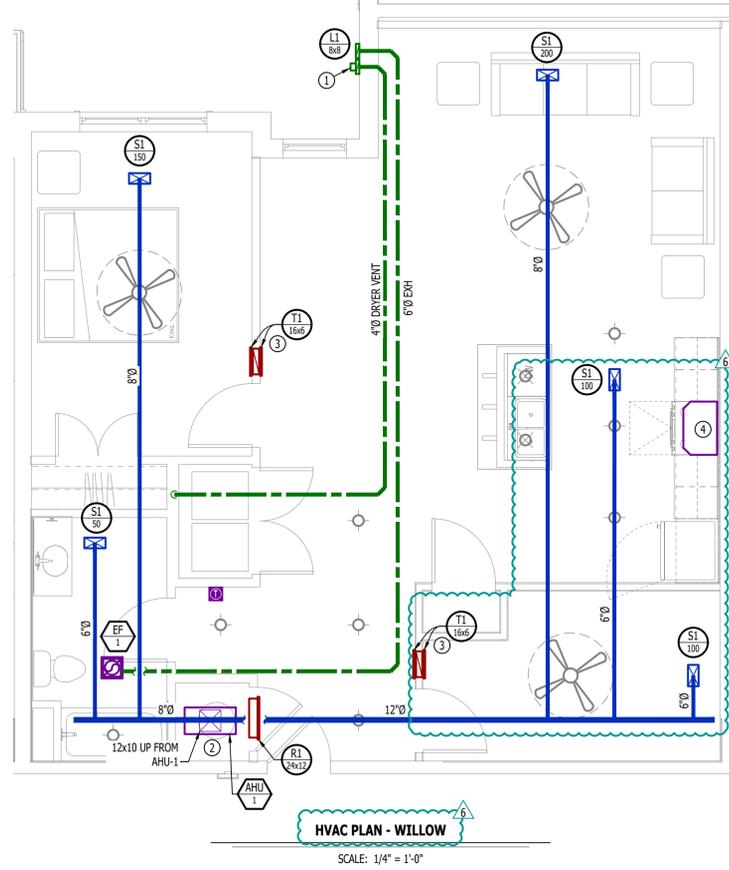


**HVAC PLAN GENERAL NOTES:**

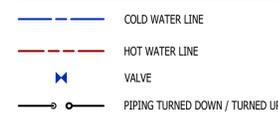
- SEE SHEET M501 FOR HVAC SCHEDULES, DETAILS, REQUIREMENTS, ETC.
- SEE SHEET MEP4 FOR CONDENSING UNIT LOCATIONS. REFRIGERANT PIPING SHALL ROUTE IN SPACES ABOVE FINISHED CEILINGS AND WITHIN WALL CAVITIES TO REMAIN CONCEALED.
- SUPPLY DUCTWORK FROM AHU AT FLOOR/CEILING PENETRATION SHALL BE PROTECTED BY A FIRE DAMPER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- WRAP ALL DRYER DUCTS WITH FIREMASTER (OR EQUAL) DUCT WRAP.
- TOTAL DEVELOPED LENGTH OF EXHAUST DUCT SHALL BE INDICATED ON A PERMANENT LABEL WITHIN 6' OF DRYER VENT CONNECTION. DRYER DUCT ROUTING SHOWN IS FOR REFERENCE ONLY. OVERALL DUCT LENGTH SHALL BE CALCULATED BY HVAC CONTRACTOR PER 2018 IMC 504.8.4.
- LOCATE ALL EXHAUST / DRYER VENT TERMINATIONS AT LEAST 36" FROM OPERABLE OPENINGS INTO APARTMENTS (WINDOWS, DOORS, ETC.).
- ALL DUCTWORK SHOWN SHALL ROUTE IN SPACE BETWEEN / THRU TRUSSES UNLESS NOTED OTHERWISE. SEE STRUCTURAL DRAWINGS FOR DETAILS.

**HVAC PLAN KEY NOTES:**

- TERMINATE 4" DRYER EXHAUST WITH VENT EQUAL TO DRYER WALL VENT #DWV4.
- AHU WALL MOUNTED ABOVE WATER HEATER, COORDINATE WITH PLUMBING CONTRACTOR. CONDENSATE TO DISCHARGE IN FLOOR DRAIN WITHIN CLOSET.
- H/LOW TRANSFER GRILLE (12" A.F.F. ON BEDROOM SIDE OF WALL; 84" A.F.F. ON OPPOSITE SIDE OF WALL).
- RESIDENTIAL RECIRCULATION HOOD TO BE SUPPLIED & INSTALLED BY GC.



**PLUMBING PLAN SYMBOL LEGEND**

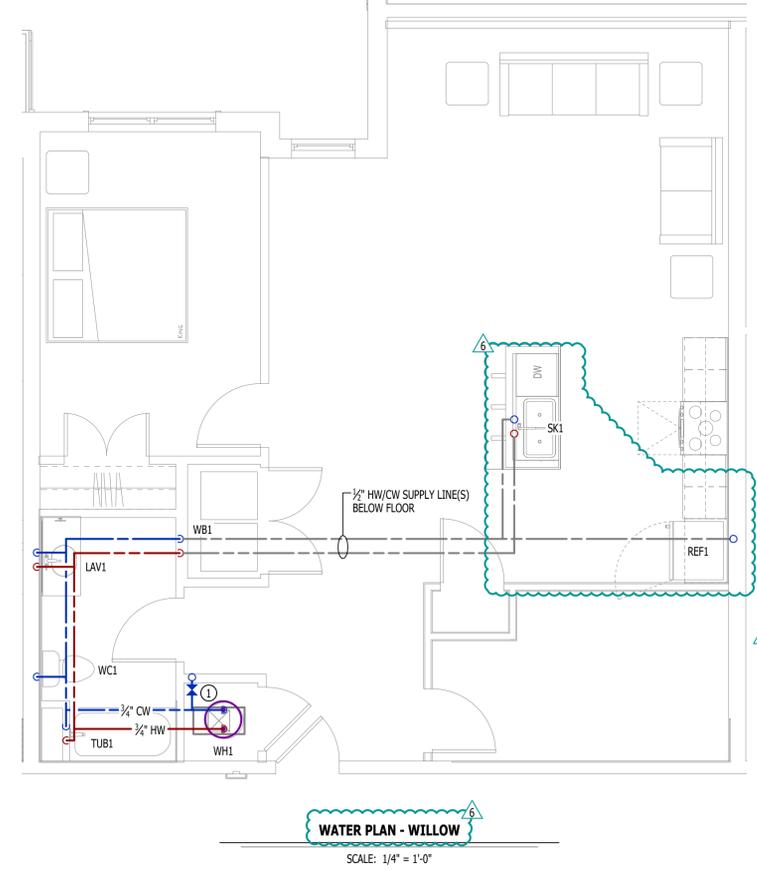


**WATER PLAN GENERAL NOTES:**

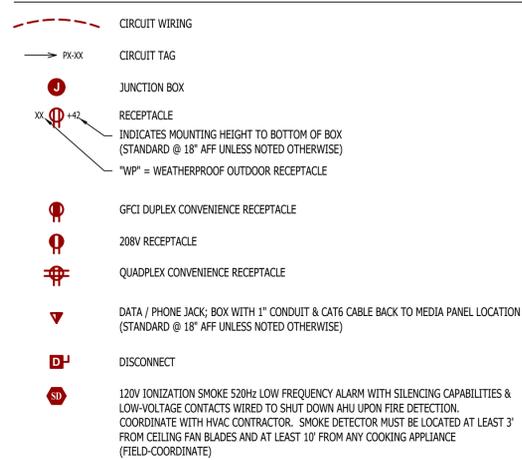
- SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.
- ALL PLUMBING LOCATED ON EXTERIOR WALLS SHALL ROUTE WITHIN INSULATION BARRIER.
- ALL DOMESTIC SUPPLY LINES SERVING MORE THAN (1) FIXTURE SHALL BE 3/2" UNLESS NOTED OTHERWISE.

**WATER PLAN KEY NOTES:**

- 1" CW PIPE UP FROM BELOW WITH SHUT-OFF VALVE IN ACCESSIBLE LOCATION. SEE OVERALL PLUMBING PLANS FOR DETAILS.



**POWER PLAN SYMBOL LEGEND**

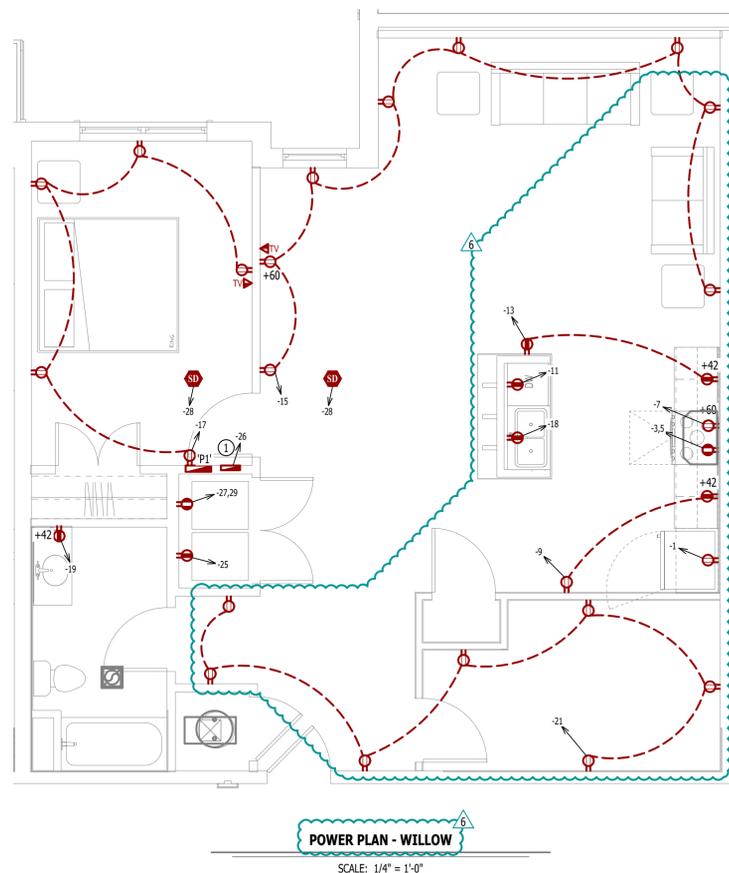


**POWER PLAN GENERAL NOTES:**

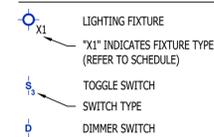
- SEE E500 & E600 SERIES SHEETS FOR POWER SCHEDULES, DETAILS, REQUIREMENTS, ETC.
- SEE SHEET MEP4 FOR CONDENSING UNIT LOCATIONS.
- VERIFY EACH DATA/RECEPTACLE LOCATION WITH OWNER PRIOR TO INSTALLATION.
- REFER TO "TYPICAL ADA MOUNTING HEIGHTS DETAIL", SHEET E501, FOR MOUNTING HEIGHTS OF DEVICES IN "ANSI A" UNITS.

**POWER PLAN KEY NOTES:**

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

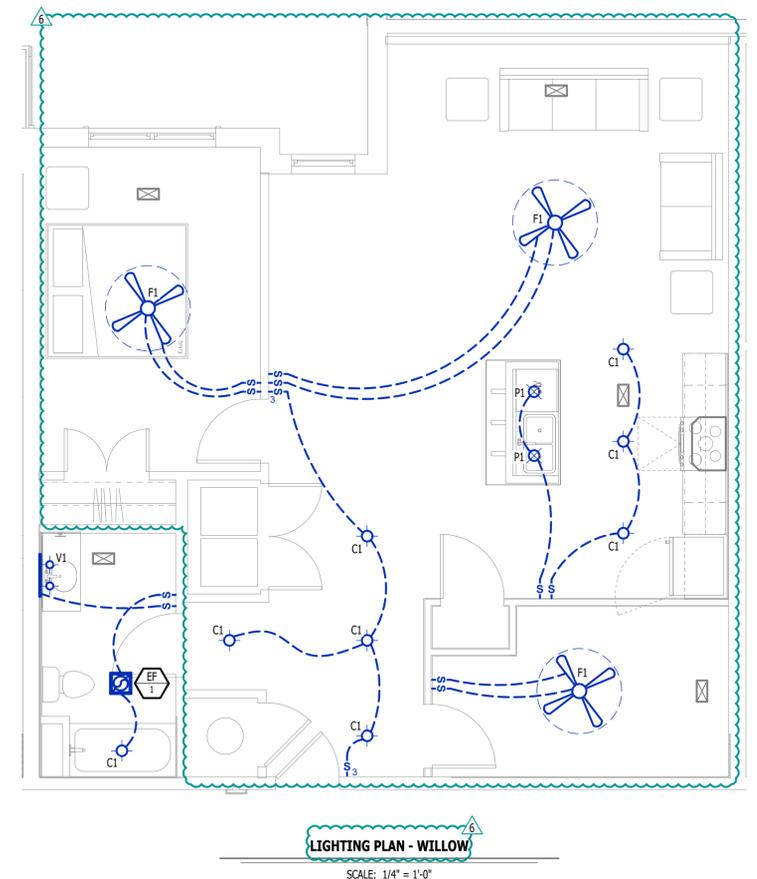


**LIGHTING PLAN SYMBOL LEGEND**



**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.



J2 PROJECT No:	J21010
J2 DESIGN:	ACW
ISSUE TITLE	DATE
PERMIT SET	11 - 11 - 2024
ASI 7.5	02 - 27 - 2026

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

**The Village at Discovery - Lot 7**

1920 NE Discovery Ave.  
Lee's Summit, Jackson County, MO

AHU APPROVAL STAMP

SHEET TITLE

**UNIT TYPE WILLOW MEP PLAN**

SHEET NUMBER

**HVAC PLAN SYMBOL LEGEND**

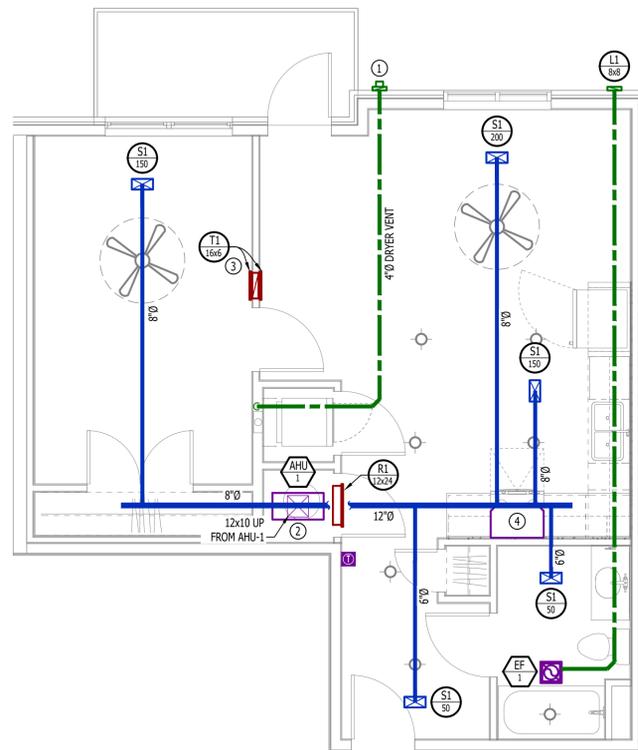
- EQUIPMENT TYPE (REFER TO EQUIPMENT SCHEDULE)
- EQUIPMENT REFERENCE NUMBER
- DIFFUSER/GRILLE TYPE (REFER TO SCHEDULE)
- CUBIC FEET PER MINUTE (CFM) / FACE SIZE
- SUPPLY DUCTWORK
- RETURN DUCTWORK
- EXHAUST DUCTWORK
- FLEX DUCT
- SUPPLY DIFFUSER (HATCH INDICATES "NO FLOW ZONE")
- RETURN DIFFUSER
- BALANCE DAMPER
- MOTORIZED DAMPER
- CEILING RADIATION DAMPER
- BACK DRAFT DAMPER
- THERMOSTAT

**HVAC PLAN GENERAL NOTES:**

- SEE SHEET M501 FOR HVAC SCHEDULES, DETAILS, REQUIREMENTS, ETC.
- SEE SHEET MEP4 FOR CONDENSING UNIT LOCATIONS. REFRIGERANT PIPING SHALL ROUTE IN SPACES ABOVE FINISHED CEILINGS AND WITHIN WALL CAVITIES TO REMAIN CONCEALED.
- SUPPLY DUCTWORK FROM AHU AT FLOOR/CEILING PENETRATION SHALL BE PROTECTED BY A FIRE DAMPER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- WRAP ALL DRYER DUCTS WITH FIREMASTER (OR EQUAL) DUCT WRAP.
- TOTAL DEVELOPED LENGTH OF EXHAUST DUCT SHALL BE INDICATED ON A PERMANENT LABEL WITHIN 6' OF DRYER VENT CONNECTION. DRYER DUCT ROUTING SHOWN IS FOR REFERENCE ONLY. OVERALL DUCT LENGTH SHALL BE CALCULATED BY HVAC CONTRACTOR PER 2018 IMC 504.8.4.
- LOCATE ALL EXHAUST / DRYER VENT TERMINATIONS AT LEAST 36" FROM OPERABLE OPENINGS INTO APARTMENTS (WINDOWS, DOORS, ETC.).
- ALL DUCTWORK SHOWN SHALL ROUTE IN SPACE BETWEEN / THRU TRUSSES UNLESS NOTED OTHERWISE. SEE STRUCTURAL DRAWINGS FOR DETAILS.

**HVAC PLAN KEY NOTES:**

- TERMINATE 4" DRYER EXHAUST WITH VENT EQUAL TO DRYER WALL VENT #DWV4.
- AHU WALL MOUNTED ABOVE WATER HEATER, COORDINATE WITH PLUMBING CONTRACTOR. CONDENSATE TO DISCHARGE IN FLOOR DRAIN WITHIN CLOSET.
- H/LOW TRANSFER GRILLE (12" A.F.F. ON BEDROOM SIDE OF WALL; 84" A.F.F. ON OPPOSITE SIDE OF WALL).
- RESIDENTIAL RECIRCULATION HOOD TO BE SUPPLIED & INSTALLED BY GC.



**HVAC PLAN - MAYA**  
SCALE: 1/4" = 1'-0"

**PLUMBING PLAN SYMBOL LEGEND**

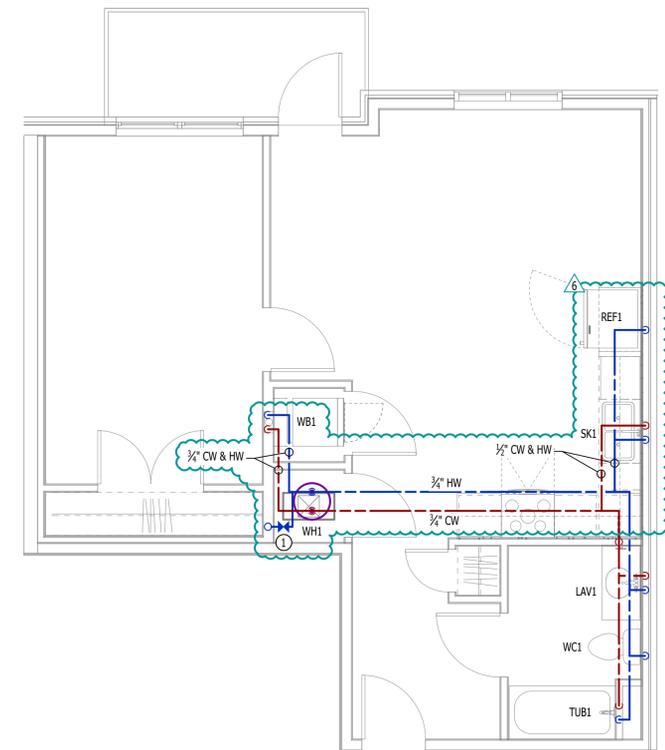
- COLD WATER LINE
- HOT WATER LINE
- VALVE
- PIPING TURNED DOWN / TURNED UP

**WATER PLAN GENERAL NOTES:**

- SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.
- ALL PLUMBING LOCATED ON EXTERIOR WALLS SHALL ROUTE WITHIN INSULATION BARRIER.
- ALL DOMESTIC SUPPLY LINES SERVING MORE THAN (1) FIXTURE SHALL BE 3/4" UNLESS NOTED OTHERWISE.

**WATER PLAN KEY NOTES:**

- 1" CW PIPE UP FROM BELOW WITH SHUT-OFF VALVE IN ACCESSIBLE LOCATION. SEE OVERALL PLUMBING PLANS FOR DETAILS.



**WATER PLAN - MAYA**  
SCALE: 1/4" = 1'-0"

**POWER PLAN SYMBOL LEGEND**

- CIRCUIT WIRING
- CIRCUIT TAG
- JUNCTION BOX
- 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 MEP4 FOR CONDENSING UNIT LOCATIONS.
- VERIFY EACH DATA/RECEPTACLE LOCATION WITH OWNER PRIOR TO INSTALLATION.
- REFER TO "TYPICAL ADA MOUNTING HEIGHTS DETAIL", SHEET E501, FOR MOUNTING HEIGHTS OF DEVICES IN "ANSI A" UNITS.

**POWER PLAN KEY NOTES:**

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



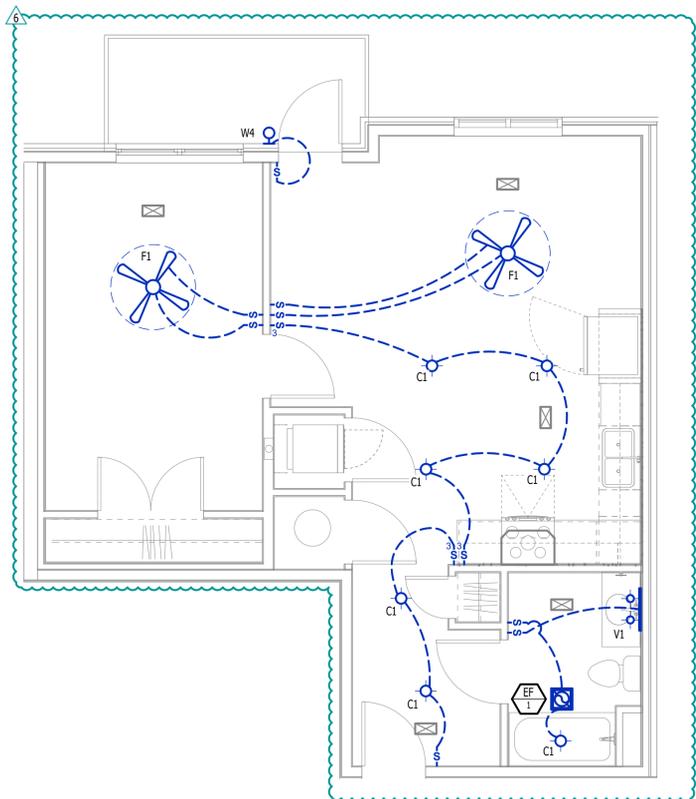
**POWER PLAN - MAYA**  
SCALE: 1/4" = 1'-0"

**LIGHTING PLAN SYMBOL LEGEND**

- LIGHTING FIXTURE
- "X1" INDICATES FIXTURE TYPE (REFER TO SCHEDULE)
- 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.



**LIGHTING PLAN - MAYA**  
SCALE: 1/4" = 1'-0"



James Watson, P.E. February 27, 2026  
PE-2015017071  
MO Certificate of Authority # 2018029680



**J-SQUARED ENGINEERING**

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J2 PROJECT No: J21010  
J2 DESIGN: ACW

ISSUE TITLE	DATE
PERMIT SET	11 - 11 - 2024
ASI 7.5	02 - 27 - 2026

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

**The Village at Discovery - Lot 7**

1920 NE Discovery Ave.  
Lee's Summit, Jackson County, MO

AHJ APPROVAL STAMP

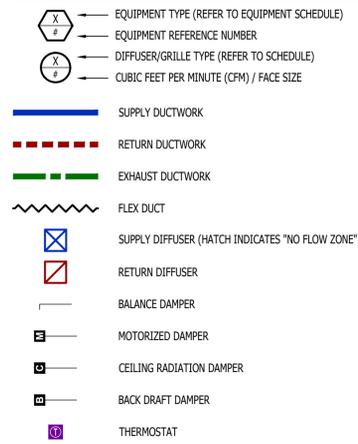
SHEET TITLE

**UNIT TYPE MAYA  
MEP PLAN**

SHEET NUMBER

**UMEP1.6**

**HVAC PLAN SYMBOL LEGEND**



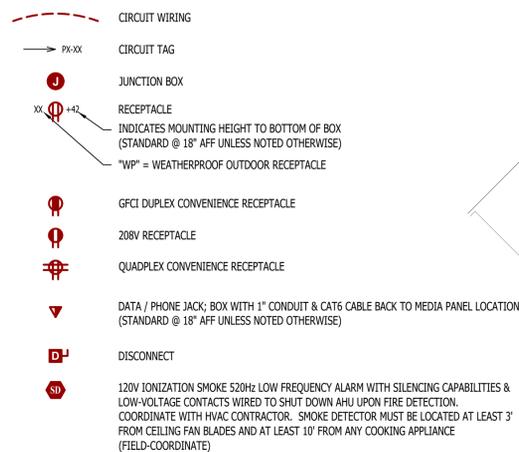
**HVAC PLAN GENERAL NOTES:**

- SEE SHEET M501 FOR HVAC SCHEDULES, DETAILS, REQUIREMENTS, ETC.
- SEE SHEET MEP4 FOR CONDENSING UNIT LOCATIONS. REFRIGERANT PIPING SHALL ROUTE IN SPACES ABOVE FINISHED CEILINGS AND WITHIN WALL CAVITIES TO REMAIN CONCEALED.
- SUPPLY DUCTWORK FROM AHU AT FLOOR/CEILING PENETRATION SHALL BE PROTECTED BY A FIRE DAMPER. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- WRAP ALL DRYER DUCTS WITH FIREMASTER (OR EQUAL) DUCT WRAP.
- TOTAL DEVELOPED LENGTH OF EXHAUST DUCT SHALL BE INDICATED ON A PERMANENT LABEL WITHIN 6' OF DRYER VENT CONNECTION. DRYER DUCT ROUTING SHOWN IS FOR REFERENCE ONLY. OVERALL DUCT LENGTH SHALL BE CALCULATED BY HVAC CONTRACTOR PER 2018 IMC 504.8.4.
- LOCATE ALL EXHAUST / DRYER VENT TERMINATIONS AT LEAST 36" FROM OPERABLE OPENINGS INTO APARTMENTS (WINDOWS, DOORS, ETC.).
- ALL DUCTWORK SHOWN SHALL ROUTE IN SPACE BETWEEN / THRU TRUSSES UNLESS NOTED OTHERWISE. SEE STRUCTURAL DRAWINGS FOR DETAILS.

**HVAC PLAN KEY NOTES:**

- TERMINATE 4" DRYER EXHAUST WITH VENT EQUAL TO DRYER WALL VENT #DWV4.
- AHU WALL MOUNTED ABOVE WATER HEATER, COORDINATE WITH PLUMBING CONTRACTOR. CONDENSATE TO DISCHARGE IN FLOOR DRAIN WITHIN CLOSET.
- H/LOW TRANSFER GRILLE (12" A.F.F. ON BEDROOM SIDE OF WALL; 84" A.F.F. ON OPPOSITE SIDE OF WALL).
- RESIDENTIAL RECIRCULATION HOOD TO BE SUPPLIED & INSTALLED BY GC.

**POWER PLAN SYMBOL LEGEND**

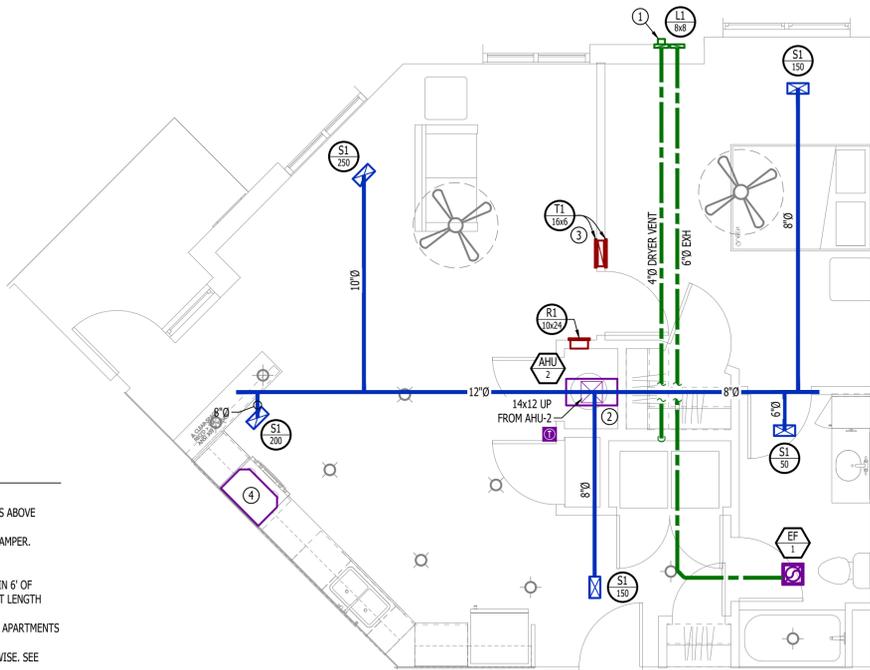


**POWER PLAN GENERAL NOTES:**

- SEE E500 & E600 SERIES SHEETS FOR POWER SCHEDULES, DETAILS, REQUIREMENTS, ETC.
- SEE SHEET MEP4 FOR CONDENSING UNIT LOCATIONS.
- VERIFY EACH DATA/RECEPTACLE LOCATION WITH OWNER PRIOR TO INSTALLATION.
- REFER TO "TYPICAL ADA MOUNTING HEIGHTS DETAIL", SHEET E501, FOR MOUNTING HEIGHTS OF DEVICES IN "ANSI A" UNITS.

**POWER PLAN KEY NOTES:**

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



**HVAC PLAN - DELTA**

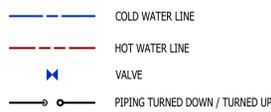
SCALE: 1/4" = 1'-0"



**POWER PLAN - DELTA**

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

**PLUMBING PLAN SYMBOL LEGEND**

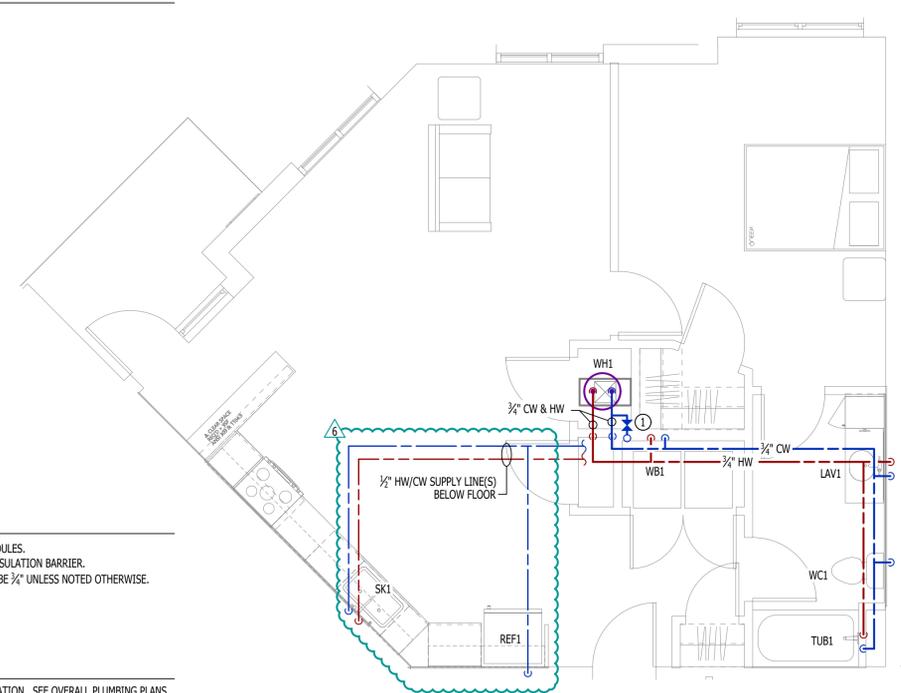


**WATER PLAN GENERAL NOTES:**

- SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.
- ALL PLUMBING LOCATED ON EXTERIOR WALLS SHALL ROUTE WITHIN INSULATION BARRIER.
- ALL DOMESTIC SUPPLY LINES SERVING MORE THAN (1) FIXTURE SHALL BE 3/4" UNLESS NOTED OTHERWISE.

**WATER PLAN KEY NOTES:**

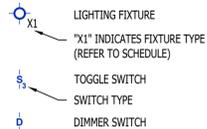
- 1" CW PIPE UP FROM BELOW WITH SHUT-OFF VALVE IN ACCESSIBLE LOCATION. SEE OVERALL PLUMBING PLANS FOR DETAILS.



**WATER PLAN - DELTA**

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

**LIGHTING PLAN SYMBOL LEGEND**



**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.



**LIGHTING PLAN - DELTA**

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



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**The Village at Discovery - Lot 7**

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SHEET TITLE

UNIT TYPE  
 DELTA MEP  
 PLAN

SHEET NUMBER

**UMEP1.7**