

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:
1 10/21/24 ADDENDUM #1
3 12/20/24 ADDENDUM #3
6 03/14/25 ASI 4.2
8 02/20/26 ASI 4.5 CHANGES TO APPROVED PLANS

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THE VILLAGE AT DISCOVERY -
LOT 4

1921 NE DISCOVERY AVE
LEE'S SUMMIT, MO
64064

SHEET TITLE
TITLE SHEET

PROJECT NUMBER: 23099

SHEET NUMBER:
G-001

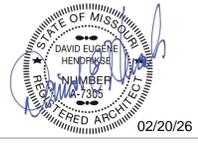
PROJECT CERTIFICATION

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

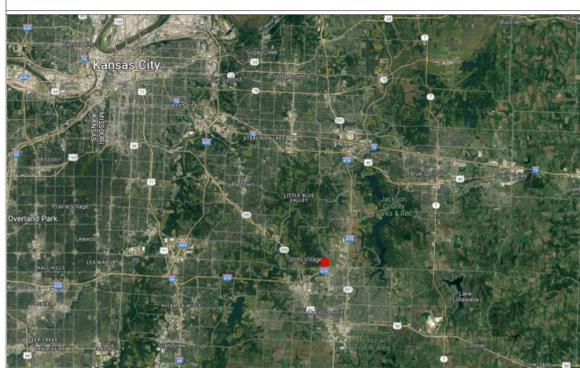


David E. Hendrikse, AIA

REGIONAL MAP



VICINITY MAP



THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO



SHEET INDEX

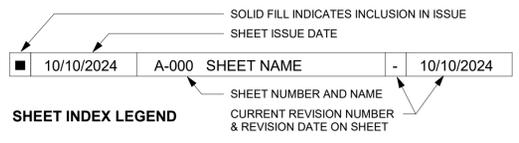
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01/25/24	A-403	ADRIAN (1 BR) UNIT PLAN	3	12/20/24
01/25/24	A-404	MAYA (1 BR) UNIT PLAN	8	02/20/26
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01/25/24	A-410	LANA (2 BR) UNIT PLAN	6	03/14/25
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CIVIL 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"

HIVI UNITS (2%) (1) UNITS - ADRIAN "HIVI" (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	823 S.F.	771 S.F.
ADRIAN (LG)	858 S.F.	803 S.F.
ADRIAN "HIVI" (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

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CODE REVIEW

PROJECT NAME: THE VILLAGE AT DISCOVERY - LOT 4
PROJECT LOCATION: LEE'S SUMMIT, MO
CODE: 2018 IBC
CODE REVIEW COMPLETED BY: A.J. DOLPH

CHAPTER THREE

SECTION 302 OCCUPANCY: R-2, APARTMENTS
A-2, UNCONCENTRATED
S-2, OPEN PARKING GARAGE

CHAPTER FOUR

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:
420.2 SEPARATION WALLS: WALLS SEPARATING SLEEPING UNITS TO BE FIRE PARTITIONS PER SECTION 708

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

CHAPTER FIVE

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 = [At + (Ns x If)]
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

CHAPTER SIX

TABLE 601 FIRE RESISTANCE REQ'S. 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: 1 HOUR
FLOOR CONSTRUCTION: 1 HOUR
ROOF CONSTRUCTION: 1 HOUR

TABLE 602 FIRE RESISTANCE REQ'S. FOR EXTERIOR WALLS BASED ON FIRE SEP. DISTANCE:
0 HOUR <30 FEET, 0 >30 FEET

CHAPTER SEVEN

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

SECTION 718 CONCEALED SPACES: FIREBLOCK & DRAFTSTOP

CHAPTER NINE

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

CHAPTER TEN

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.

CHAPTER ELEVEN

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

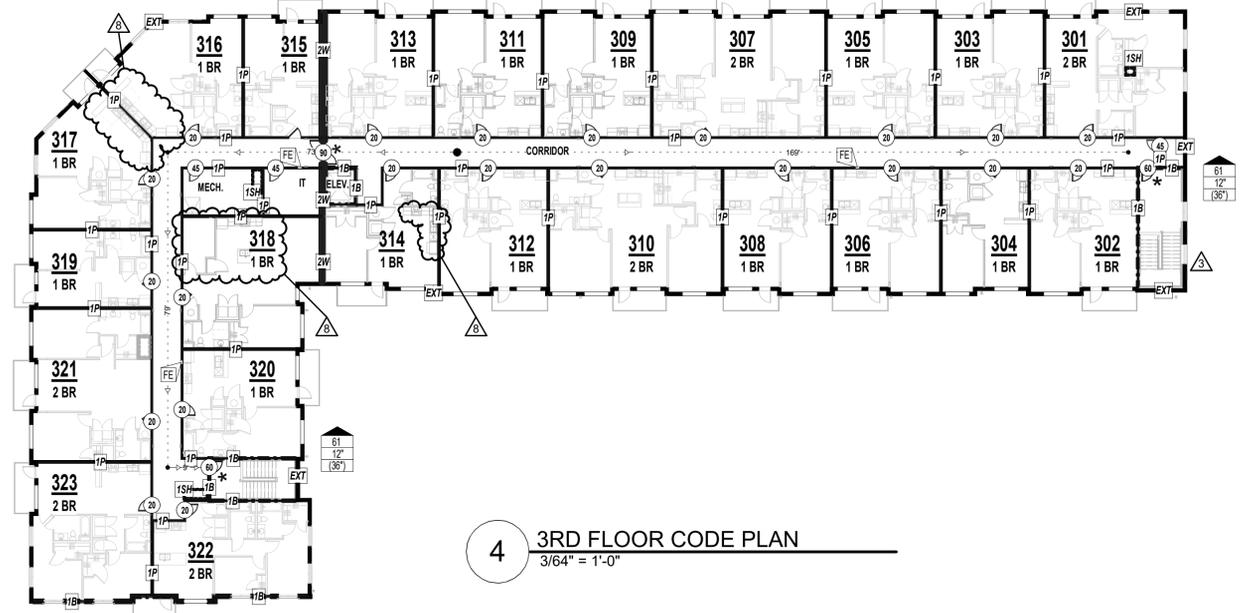
CHAPTER TWELVE

1206 SOUND TRANSMISSION: 50STC RATING BETWEEN SLEEPING UNITS

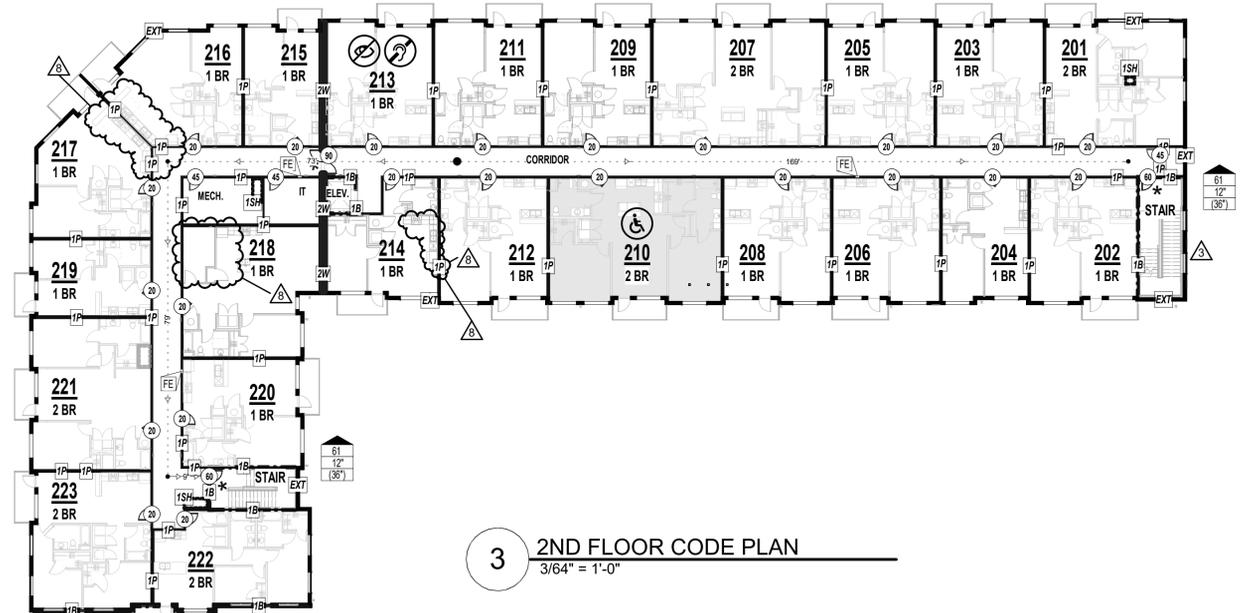
- #### CODE PLAN GENERAL NOTES:
- FIRE EXTINGUISHERS SHALL BE LOCATED SO THAT THE MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 75 FEET. GENERAL CONTRACTOR TO PROVIDE SEMI-RECESSED FIRE EXTINGUISHER CABINETS WITH FIRE EXTINGUISHERS THROUGHOUT AT ACCESSIBLE HEIGHT.
 - SIGNS IDENTIFYING FIRE PROTECTION EQUIPMENT, 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 IFC REQUIREMENTS FOR HEIGHT AND LETTERING. GC 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.

CODE PLAN LEGEND

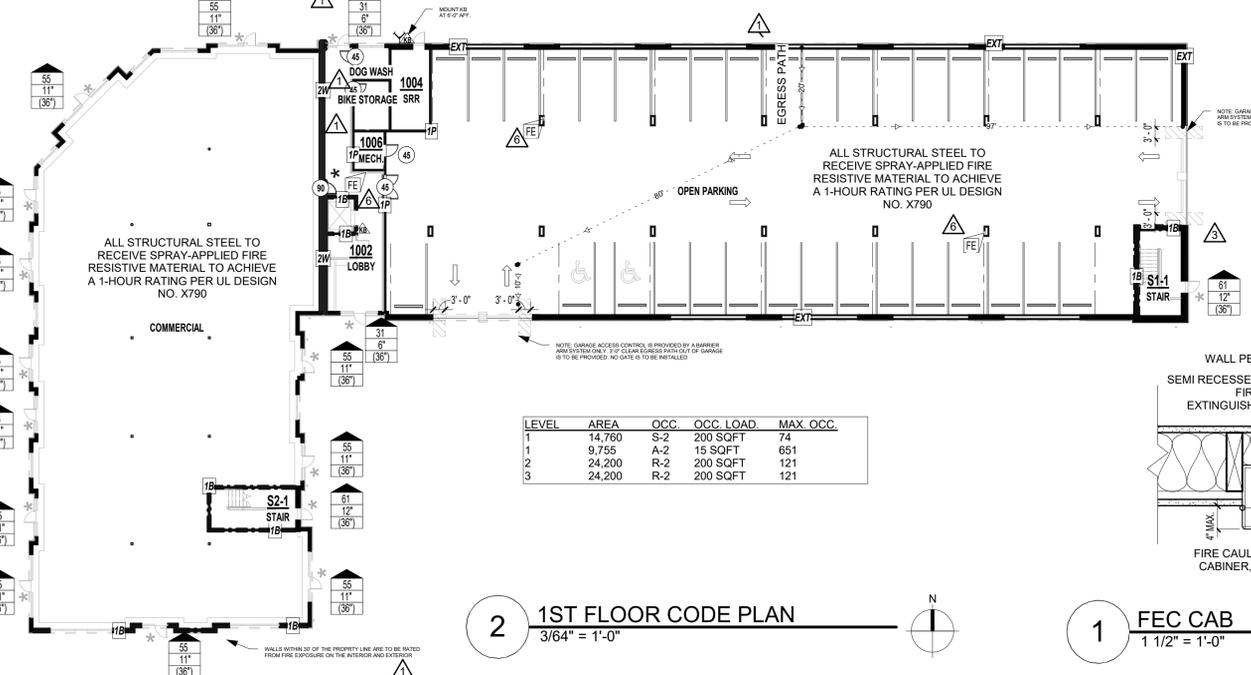
	NUMBER OF OCCUPANTS EXITING		ROOM NUMBER
	REQUIRED EXIT WIDTH		FIRE EXTINGUISHER CABINET OR SURFACE MTD. AT CONC.
	EXIT WIDTH PROVIDED BY DESIGN		FIRE DEPARTMENT KNOX BOX (DEFER SUBMITTAL FOR LOC.)
	EXT. - RATED PARTITION (IBC CH. 6)		FIRE DEPARTMENT CONNECTION
	NON - RATED PARTITION		DOOR RATING
	1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



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



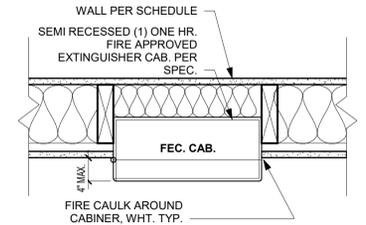
3 2ND FLOOR CODE PLAN
3/64" = 1'-0"



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

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

LEVEL	AREA	OCC	OCC LOAD	MAX OCC.
1	14,780	S-2	200 SQFT	74
1	9,755	A-2	15 SQFT	651
2	24,200	R-2	200 SQFT	121
3	24,200	R-2	200 SQFT	121



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1 10/21/24 ADDENDUM #1
3 12/20/24 ADDENDUM #3
6 03/14/25 ASI 4.2
8 02/20/26 ASI 4.5 CHANGES TO APPROVED PLANS

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THE VILLAGE AT DISCOVERY - LOT 4
LEE'S SUMMIT, MO

SHEET TITLE
CODE ANALYSIS

PROJECT NUMBER: 23099

SHEET NUMBER:

G-100

REFERENCE G-003 FOR GENERAL NOTES
 REFERENCE A-101 FOR PLAN LEGEND

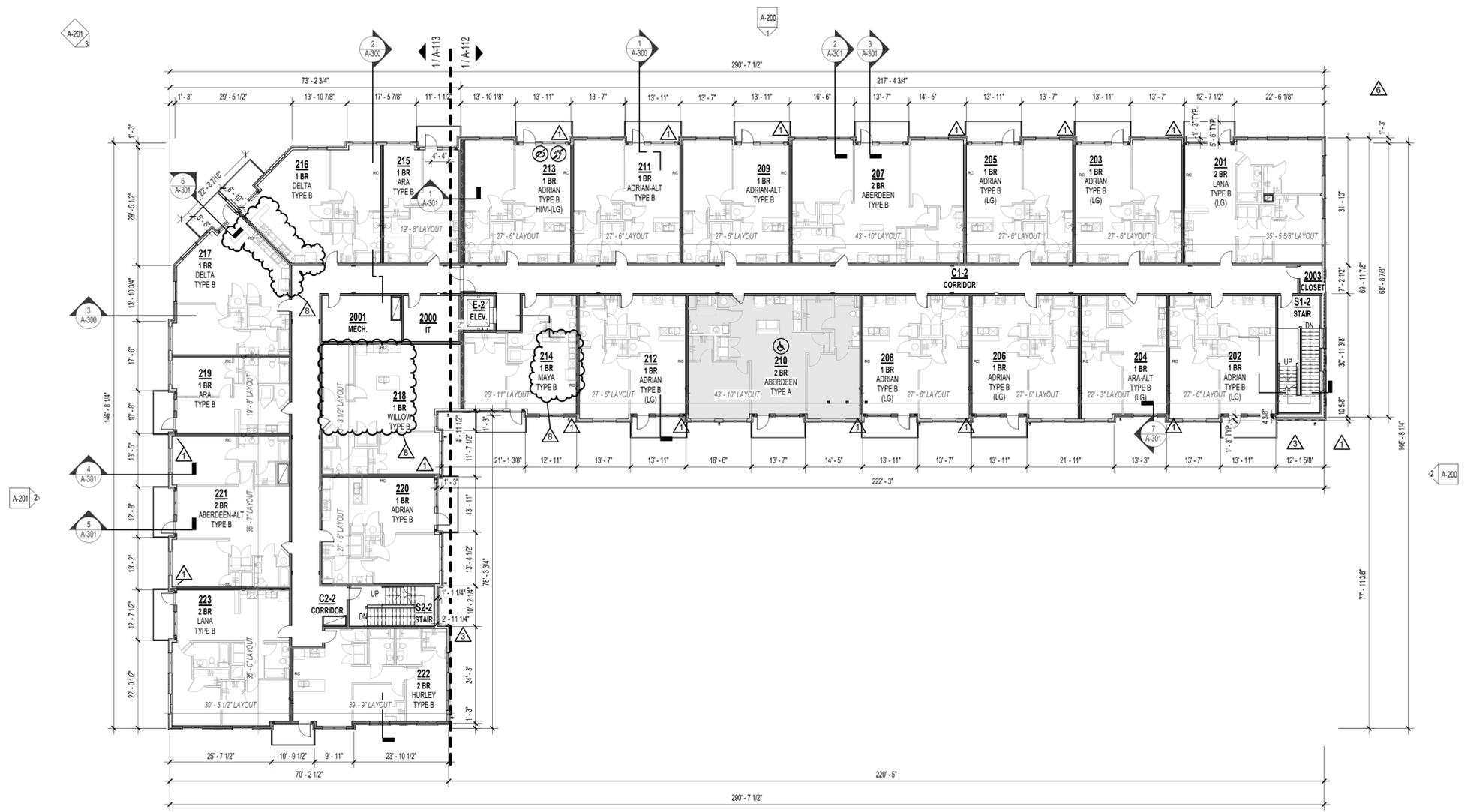
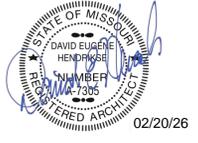
UNITS - SHEET REFERENCE	
NAME	SHEET NO.
ABERDEEN "A"	A-400
ABERDEEN - ALT	A-401
ABERDEEN "B"	A-402
ADRIAN	A-403
MAYA	A-404
ARA - ALT	A-405
ARA	A-406
WILLOW	A-407
DELTA	A-408
HURLEY	A-409
LANA	A-410

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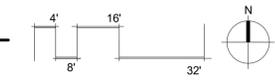
THE VILLAGE AT DISCOVERY -
 LOT 4
 LEE'S SUMMIT, MO

SHEET TITLE
 SECOND FLOOR PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

1 SECOND FLOOR PLAN
 1/16" = 1'-0"



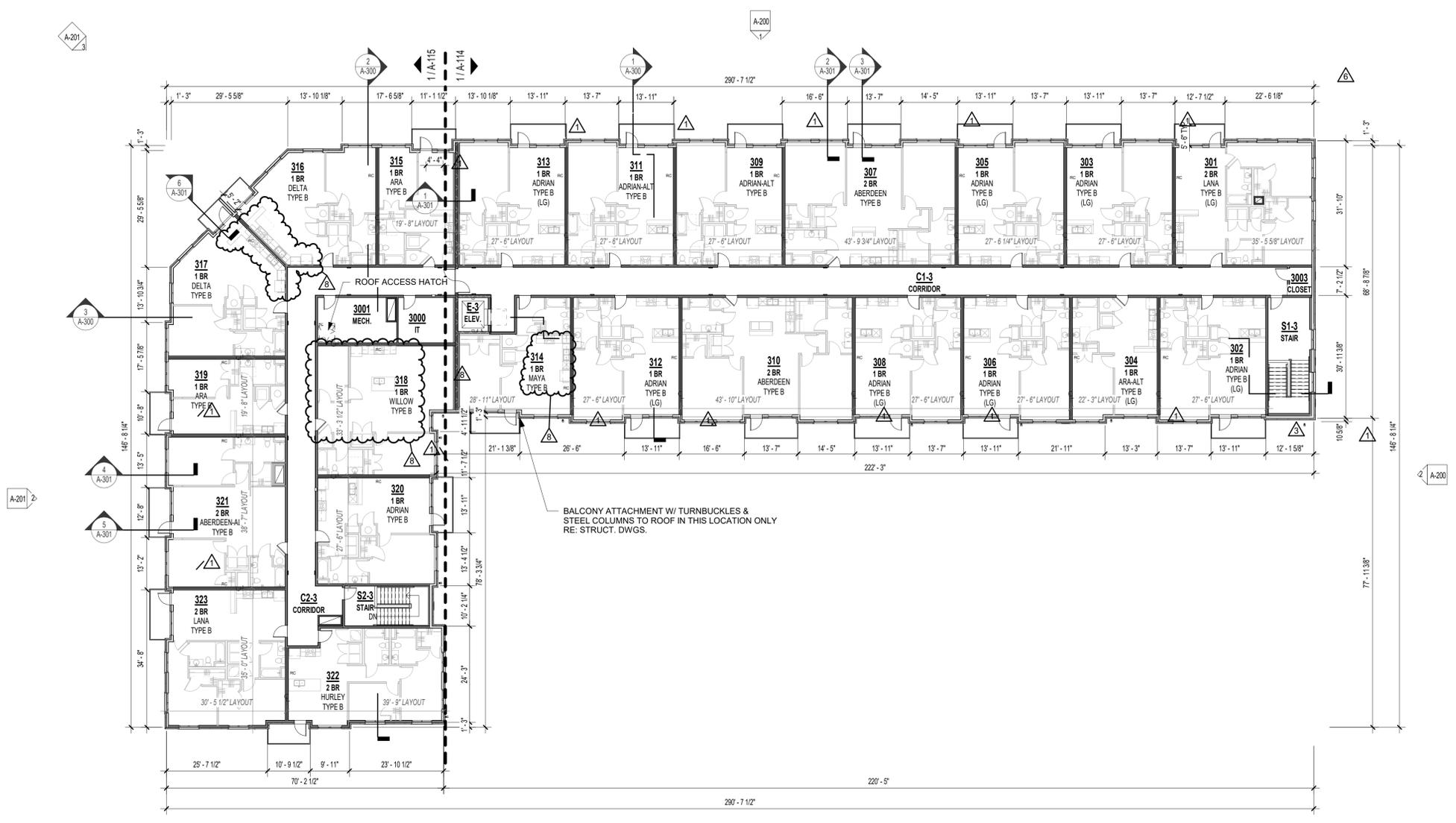
REFERENCE G-003 FOR GENERAL NOTES
 REFERENCE A-101 FOR PLAN LEGEND
 REFERENCE A-102 FOR UNIT SHEET REFERENCE

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- REVISIONS:
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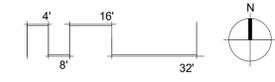
SHEET TITLE
 THIRD FLOOR PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

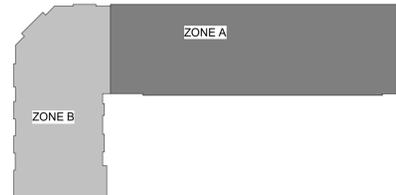
A-103

1 THIRD FLOOR PLAN
 1/16" = 1'-0"





1 SECOND FLOOR ENLARGED PLAN - ZONE A
 1/8" = 1'-0"



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SHEET TITLE
 ENLARGED PLAN - 2ND FLOOR
 ZONE A
 PROJECT NUMBER: 23099
 SHEET NUMBER:

A-112

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02/20/26

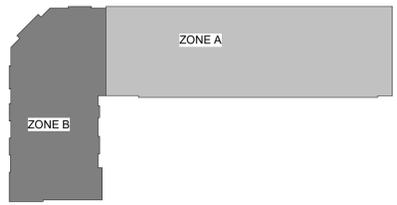
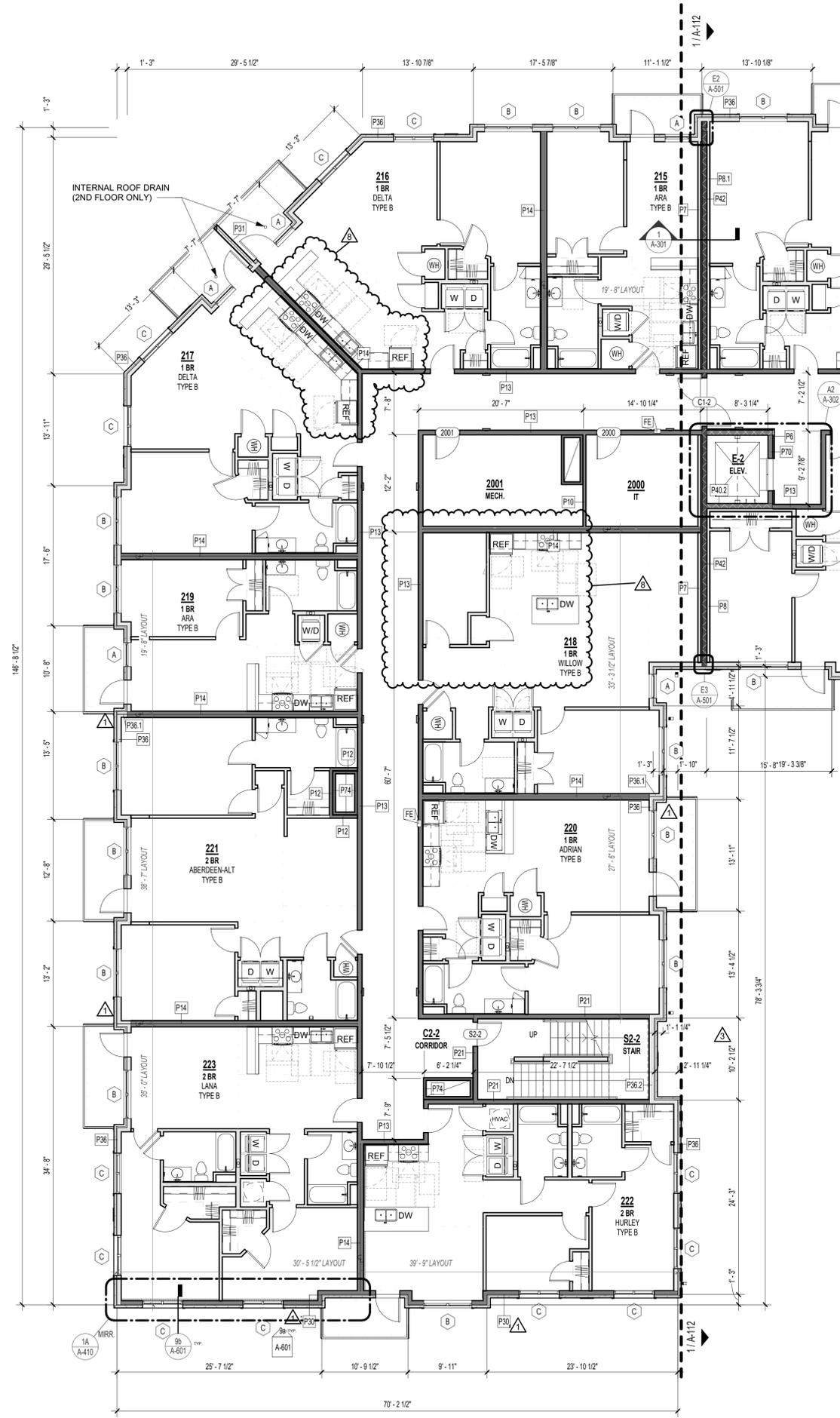
THE VILLAGE AT DISCOVERY -
 LOT 4
 LEE'S SUMMIT, MO

SHEET TITLE
 ENLARGED PLAN - 2ND FLOOR
 ZONE B

PROJECT NUMBER: 23099

SHEET NUMBER:

A-113



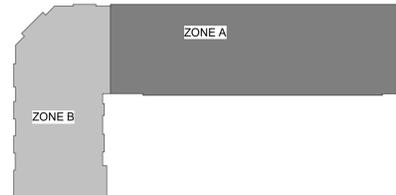
1 SECOND FLOOR ENLARGED PLAN - ZONE B
 1/8" = 1'-0"



THE VILLAGE AT DISCOVERY -
 LOT 4
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1 THIRD FLOOR ENLARGED PLAN - ZONE A
 1/8" = 1'-0"



SHEET TITLE
 ENLARGED PLAN - 3RD FLOOR
 ZONE A
 PROJECT NUMBER: 23099
 SHEET NUMBER:

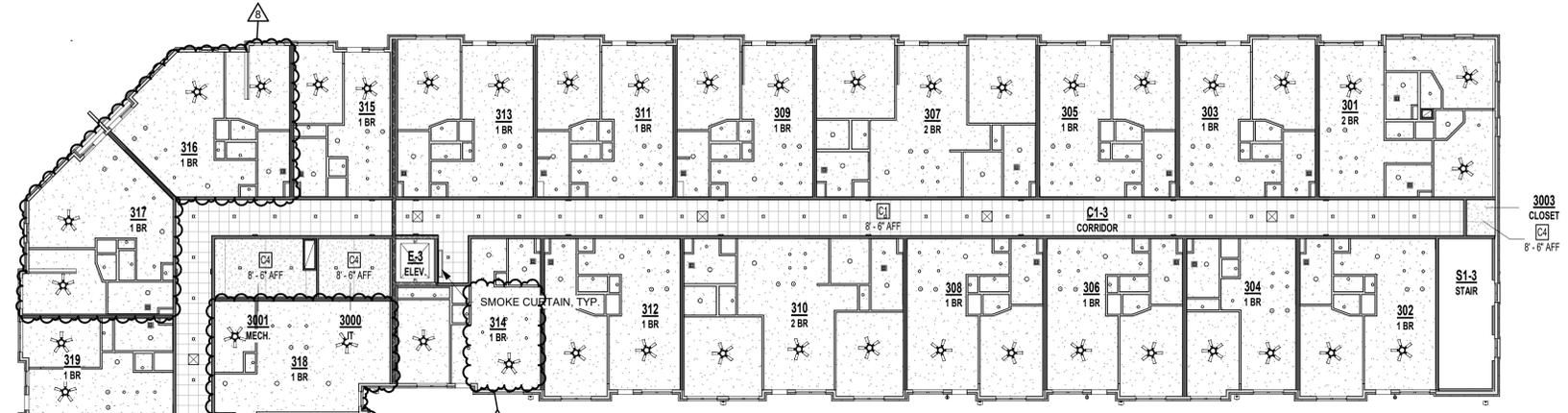
A-114

REFERENCE G-003 FOR GENERAL NOTES

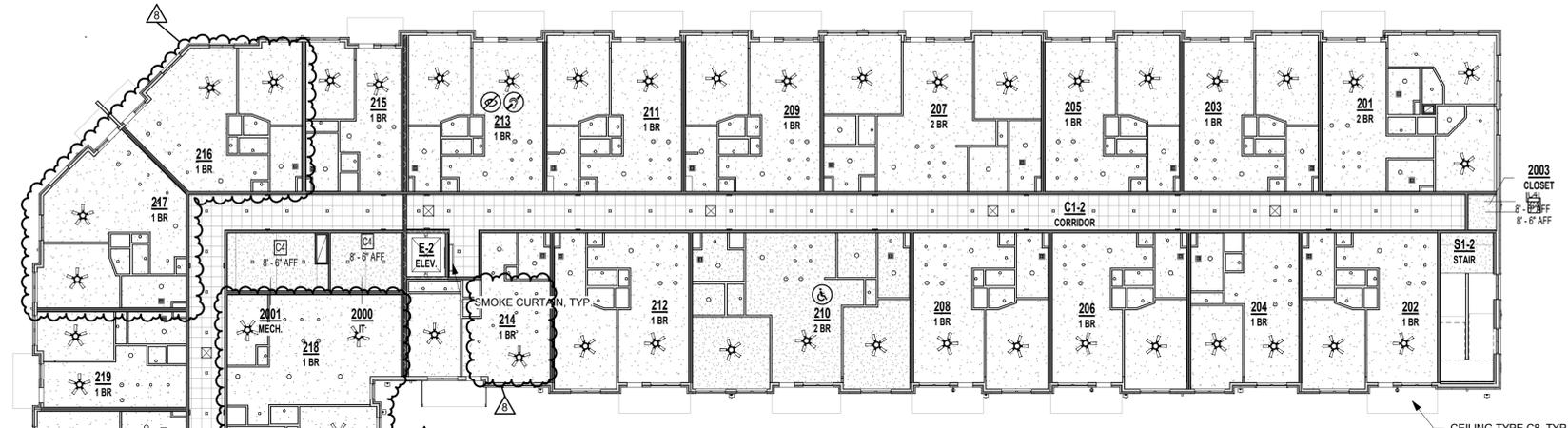
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REVISIONS:
 1 10/21/24 ADDENDUM #1
 8 02/20/26 ASI 4.5 CHANGES TO APPROVED PLANS

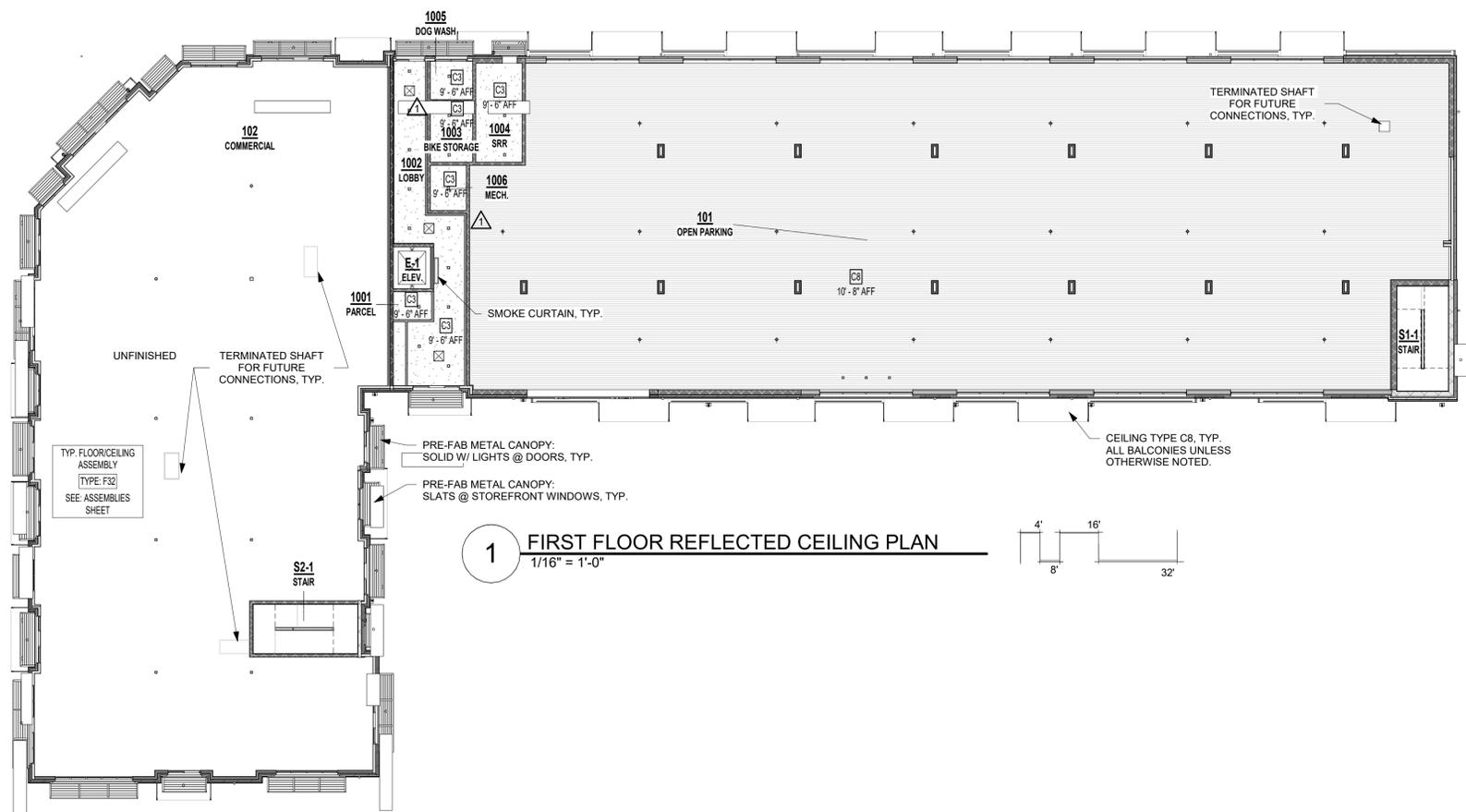
RCP LEGEND	
	C1 - 2' X 2' ACT SYSTEM 15/16" THICKNESS- ANGULAR TEGULAR EDGE, PER 095113
	C3 - GWB ON METAL STUD
	C4 - FIBERCEMENT BOARD
	C8 - GWB ON METAL STUD (EXTERIOR)
	INDICATES CEILING HEIGHT



3 THIRD FLOOR REFLECTED CEILING PLAN
 1/16" = 1'-0"



2 SECOND FLOOR REFLECTED CEILING PLAN
 1/16" = 1'-0"



1 FIRST FLOOR REFLECTED CEILING PLAN
 1/16" = 1'-0"

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**THE VILLAGE AT DISCOVERY -
 LOT 4
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SHEET TITLE
 REFLECTED CEILING PLANS

PROJECT NUMBER: 23099

SHEET NUMBER:

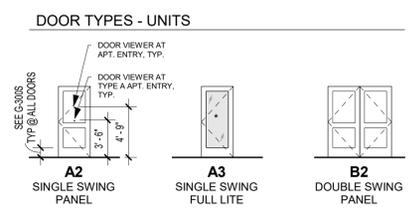
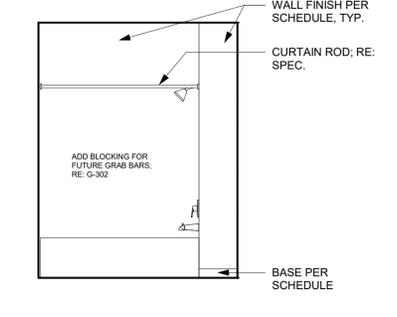
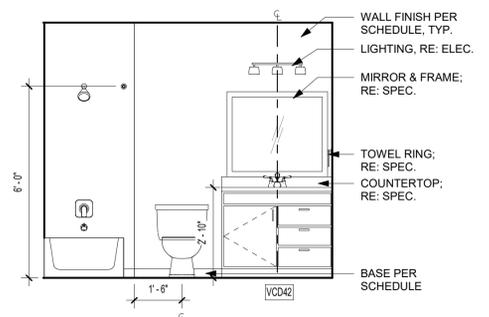
A-120

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

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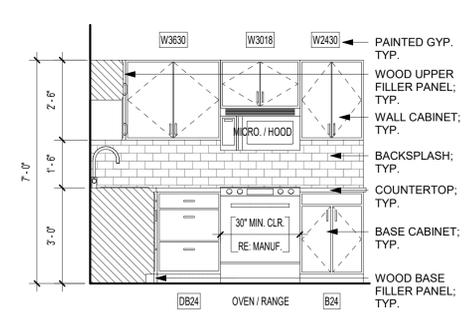
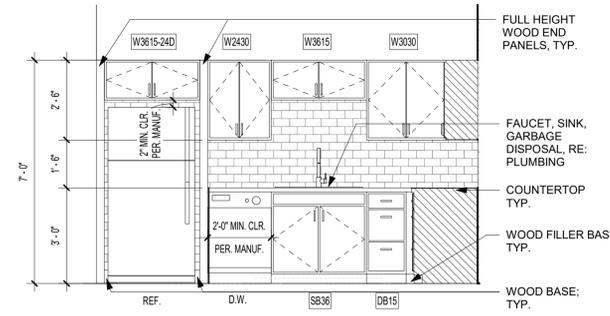
REVISIONS:
 3 12/20/24 ADDENDUM #3
 8 02/20/26 ASI 4.5 CHANGES TO APPROVED PLANS

Room Finish Schedule - Units						
Number	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				



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

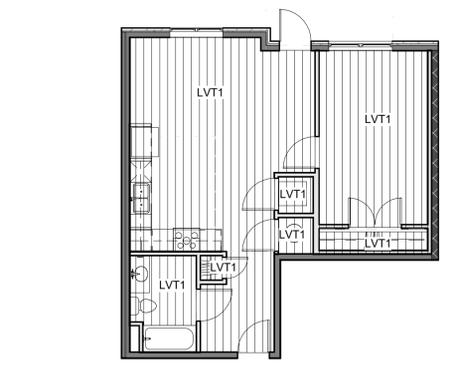
7 MAYA BATH ELEV. 1
 3/8" = 1'-0"



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

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

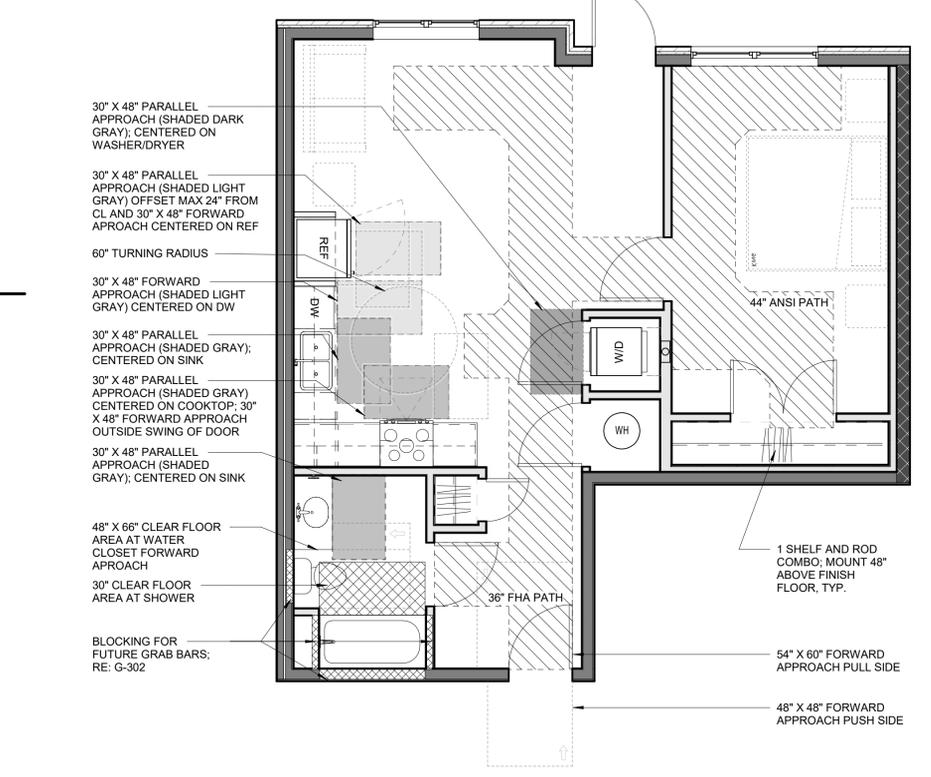
DOOR SCHEDULE - UNITS (MAYA)								
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3'-0"	6'-8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3'-0"	6'-8"	1 3/8"		A2	PH	
005	MECH.	3'-0"	6'-8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D.
006	LAUNDRY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



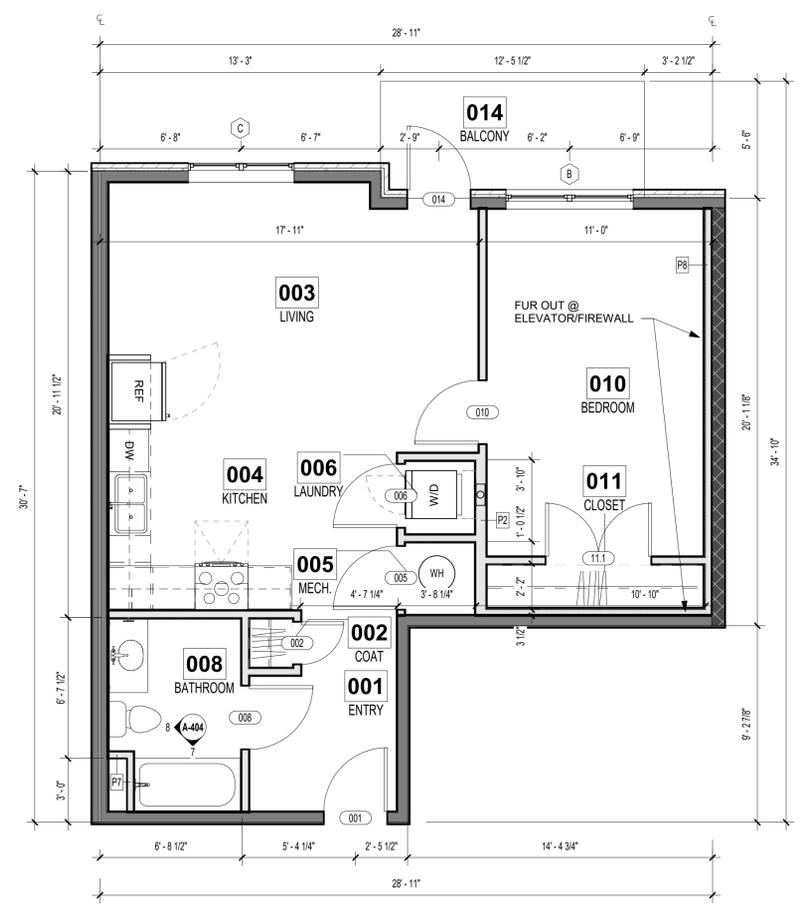
4 UNIT FINISH PLAN - MAYA (1 BR) - TYPE B
 1/8" = 1'-0"



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"

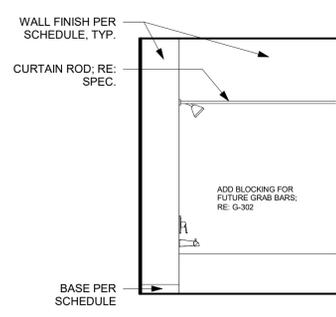
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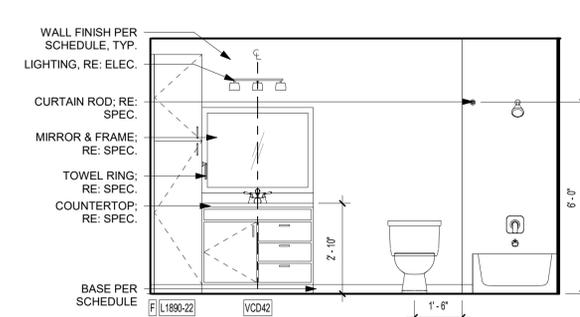
THE VILLAGE AT DISCOVERY -
 LOT 4
 LEE'S SUMMIT, MO

SHEET TITLE
 MAYA (1 BR) UNIT PLAN
 PROJECT NUMBER: 23099
 SHEET NUMBER:

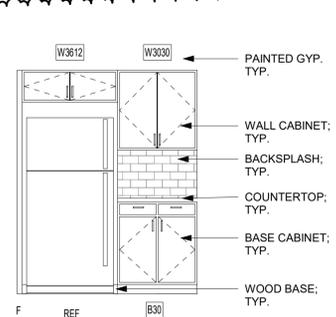
A-404



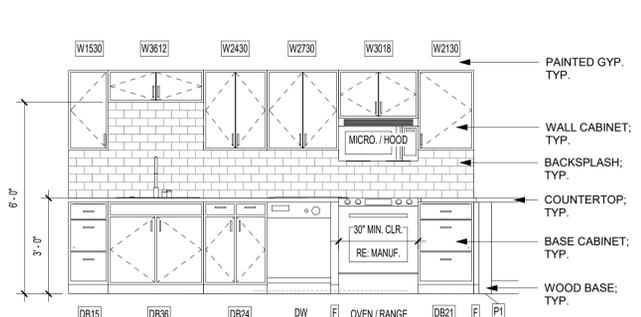
8 DELTA BATH ELEV. 2
 3/8" = 1'-0"



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

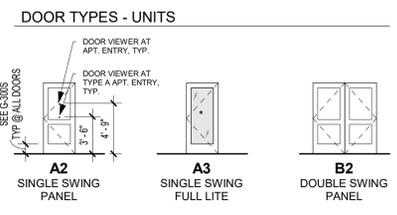


6 DELTA KIT. ELEV. 2
 3/8" = 1'-0"



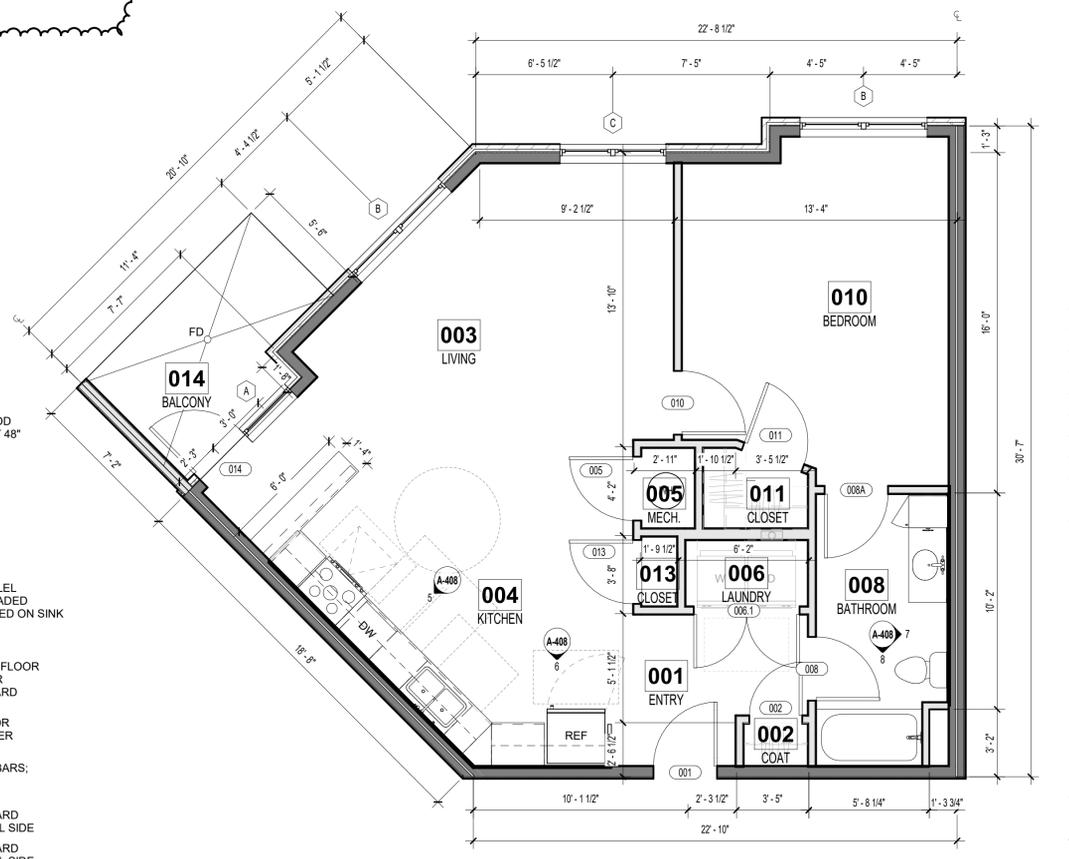
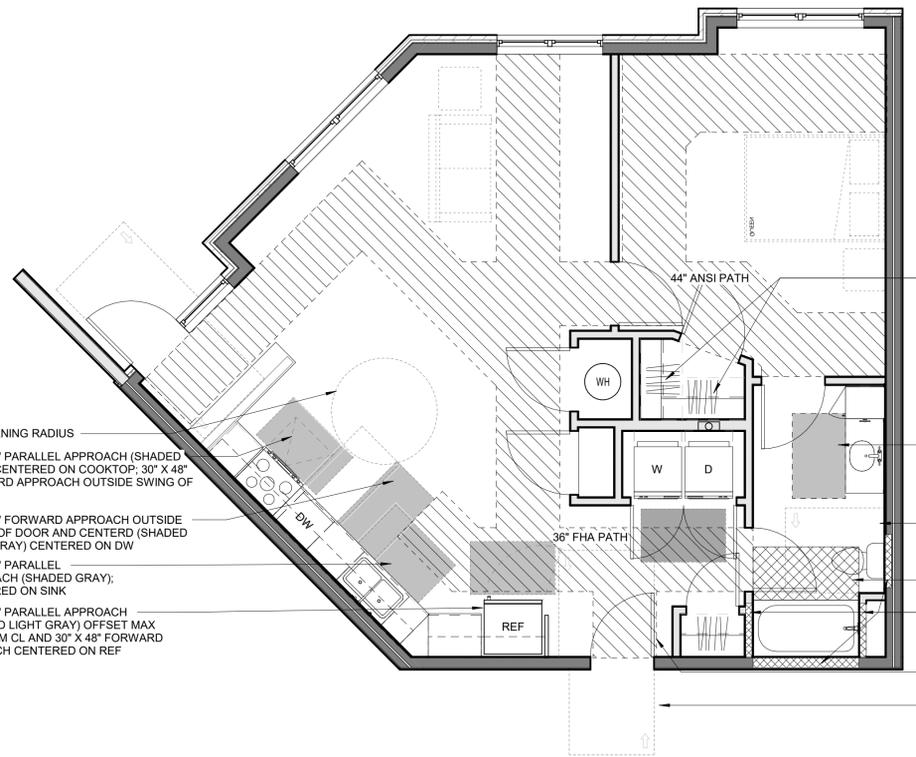
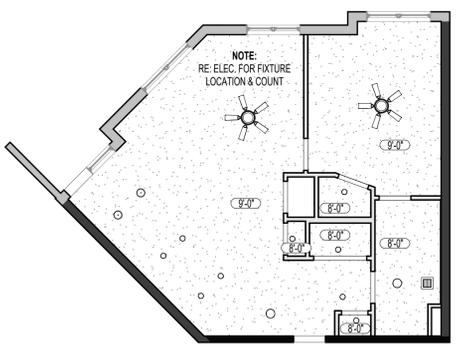
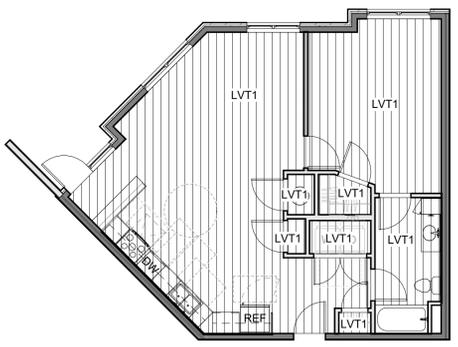
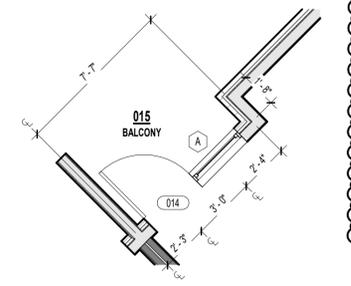
5 DELTA KIT. ELEV. 1
 3/8" = 1'-0"

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						
Number	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 - 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	



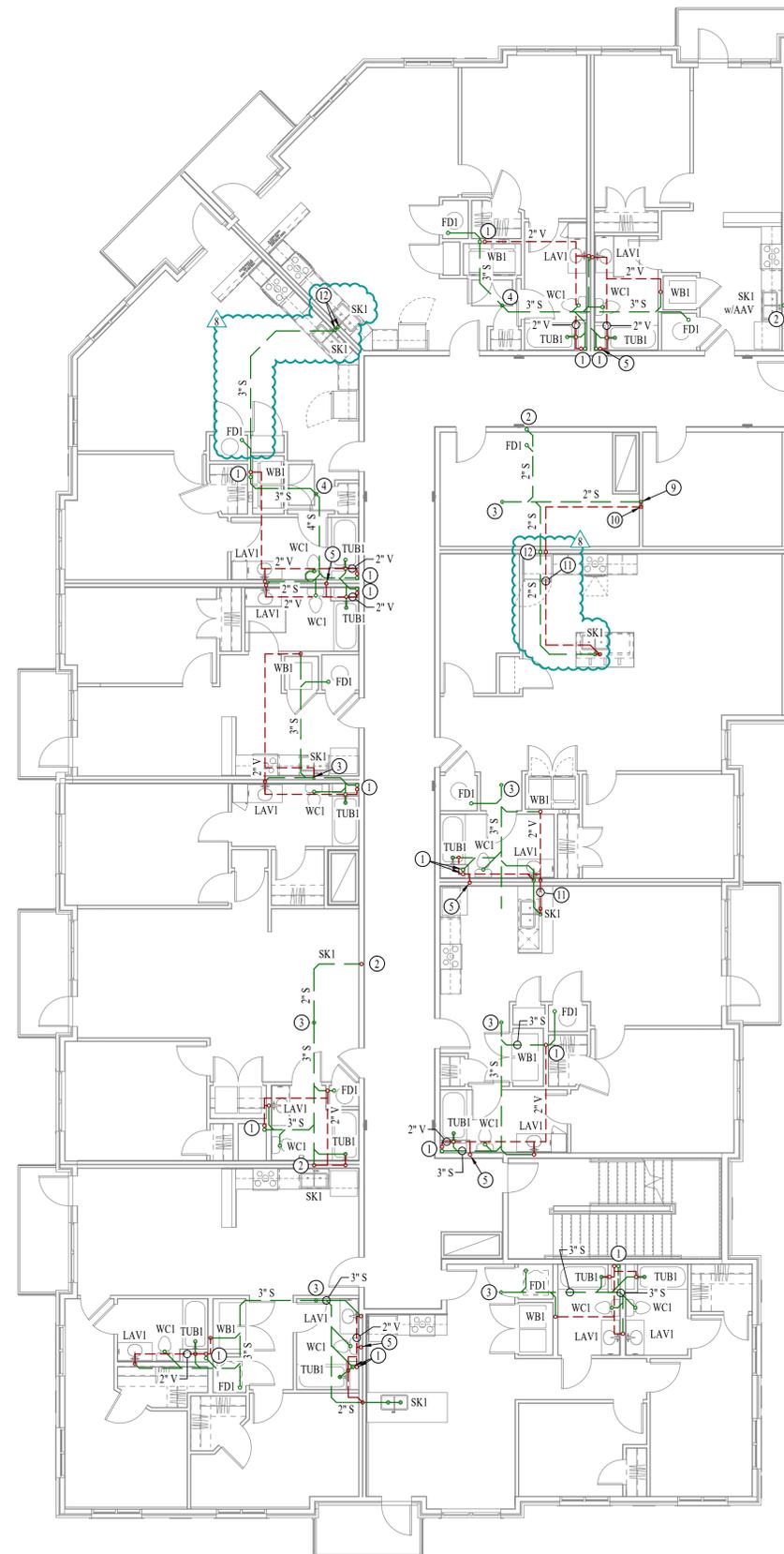
roseman & associates p.c.
 ARCHITECTURE
 INTERIOR DESIGN
 ENGINEERING
 PLANNING
 1526 Grand Boulevard
 Kansas City, MO 64108-1404
 p: 816.472.1448
 w: www.rosemann.com
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 DENVER • KANSAS CITY • ST. LOUIS • ATLANTA



THE VILLAGE AT DISCOVERY - LOT 4
 LEE'S SUMMIT, MO

SHEET TITLE
 DELTA (1 BR) UNIT PLAN
 PROJECT NUMBER: 23099
 SHEET NUMBER:

A-408



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

SANITARY SEWER PLAN SYMBOL LEGEND

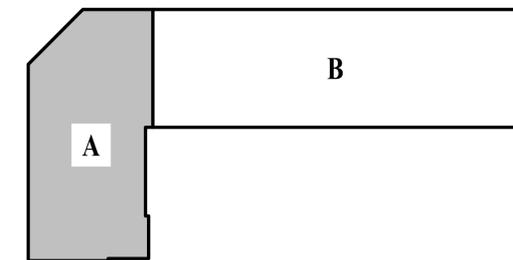
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- ✕ TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

1. SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.

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 PS101.
- ⑥ 6" PRIMARY & 6" SECONDARY STORM DRAIN DOWN FROM LEVEL ABOVE.
- ⑦ 6" PRIMARY DOWN TO 1ST FLOOR. SEE SHEET PS101 FOR CONTINUATION.
- ⑧ 6" SECONDARY DOWN TO 1ST FLOOR. SEE SHEET PS101 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 20, 2026
PE-2015017071
MO Certificate of Authority # 2018029680



J-SQUARED ENGINEERING

2400 Bluff Creek Drive, Suite 101
Columbia, Missouri 65201
573 - 234 - 4492 phone
www.j-squaredeng.com

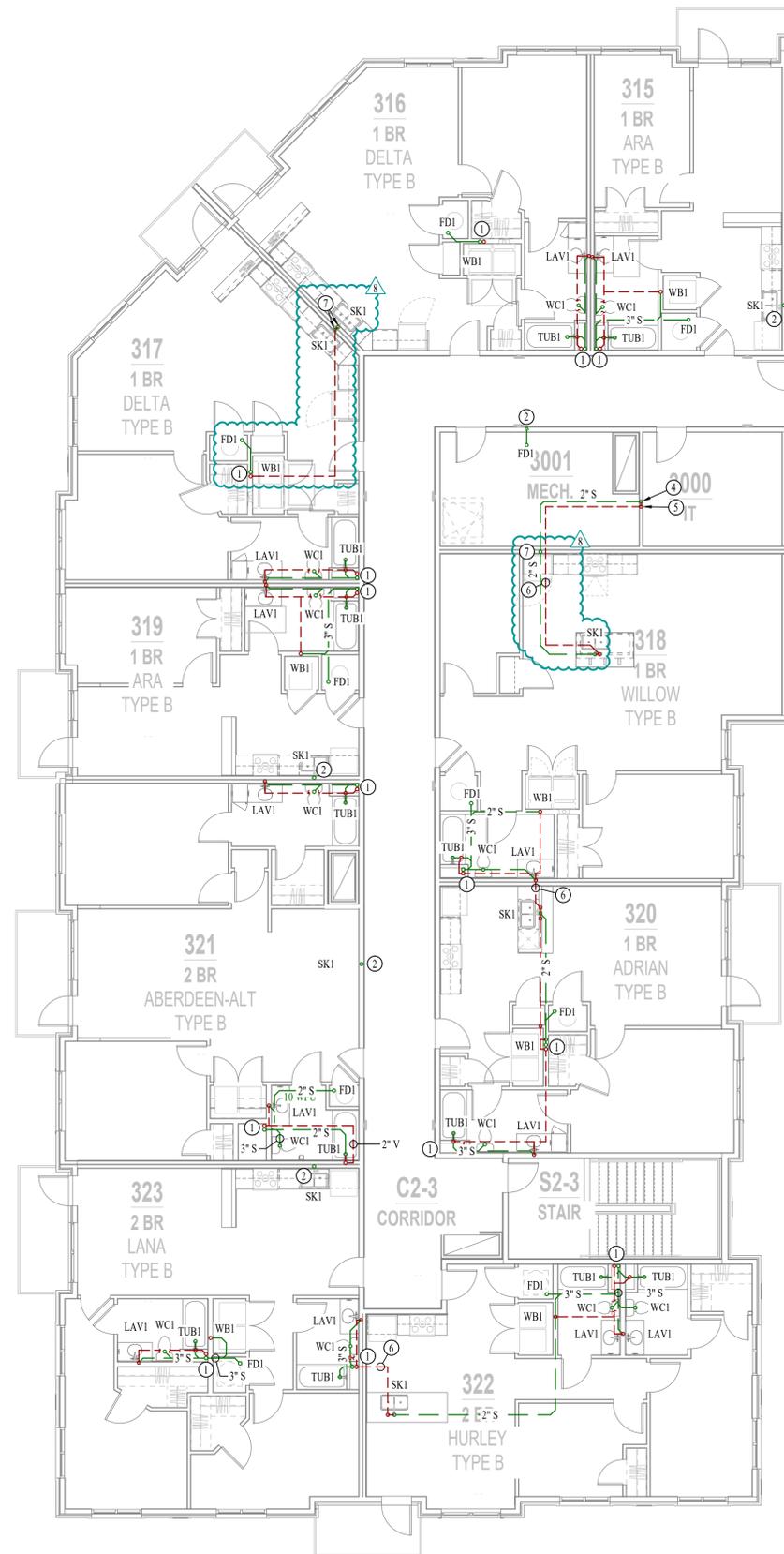
J2 PROJECT No:	J21007
J2 DESIGN:	JAP

ISSUE TITLE	DATE
CITY SUBMITTAL	01 / 25 / 2024
REVISION 1	10 / 21 / 2024
ASI 4.2	03 / 14 / 2025
ASI 4.4	02 / 20 / 2026

Mechanical - Electrical - Plumbing Design Drawings for
The Village at Discovery - Lot 4
 Discovery Avenue & Alura Way
 Lee's Summit, Jackson County, MO

SHEET TITLE
SANITARY SEWER PLAN - SECOND FLOOR - AREA A

SHEET NUMBER
PS102



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

SANITARY SEWER PLAN SYMBOL LEGEND

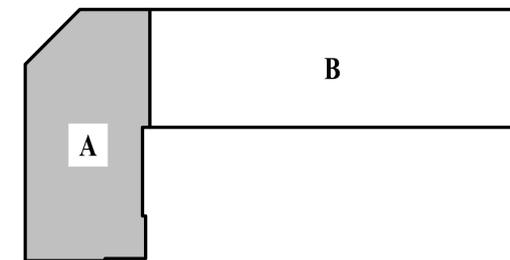
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

1. SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.

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 20, 2026
PE-2015017011
MO Certificate of Authority # 2018029680



J-SQUARED ENGINEERING

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Columbia, Missouri 65201
573 - 234 - 4492 phone
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J2 PROJECT No:	J21007
J2 DESIGN:	JAP

ISSUE TITLE	DATE
CITY SUBMITTAL	01 / 25 / 2024
REVISION 1	10 / 21 / 2024
ASI 4.2	03 / 14 / 2025
ASI 4.4	02 / 20 / 2026

Mechanical - Electrical - Plumbing Design Drawings for
The Village at Discovery - Lot 4
 Discovery Avenue & Alura Way
 Lee's Summit, Jackson County, MO

SHEET TITLE
SANITARY SEWER PLAN - THIRD FLOOR - AREA A

SHEET NUMBER
PS103

ISSUE TITLE	DATE
CITY SUBMITTAL	01 / 25 / 2024
REVISION 1	10 / 21 / 2024
ASI 4.2	03 / 14 / 2025
ASI 4.4	02 / 20 / 2026

SANITARY SEWER PLAN SYMBOL LEGEND

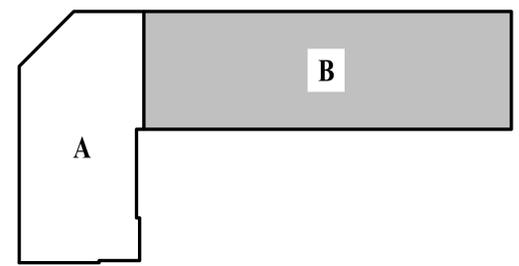
-  SANITARY SEWER PIPING
-  VENT PIPING
-  STORM DRAIN PIPING
-  PIPING TURNED DOWN / TURNED UP
-  TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

1. SEE SHEET PS01 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.

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.



KEY PLAN
 SCALE: NTS



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

Mechanical - Electrical - Plumbing Design Drawings for
The Village at Discovery - Lot 4
 Discovery Avenue & Alura Way
 Lee's Summit, Jackson County, MO

SHEET TITLE
SANITARY SEWER PLAN - SECOND FLOOR - AREA B

SHEET NUMBER
PS112

ISSUE TITLE	DATE
CITY SUBMITTAL	01 / 25 / 2024
REVISION 1	10 / 21 / 2024
ASI 4.2	03 / 14 / 2025
ASI 4.4	02 / 20 / 2026

SANITARY SEWER PLAN SYMBOL LEGEND

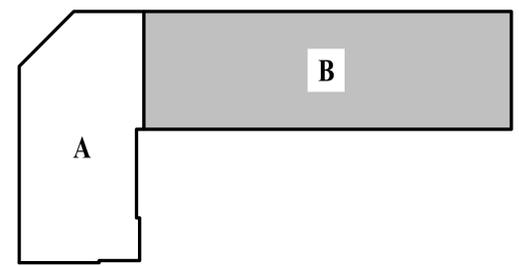
-  SANITARY SEWER PIPING
-  VENT PIPING
-  STORM DRAIN PIPING
-  PIPING TURNED DOWN / TURNED UP
-  TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

1. SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.

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.



KEY PLAN
 SCALE: NTS



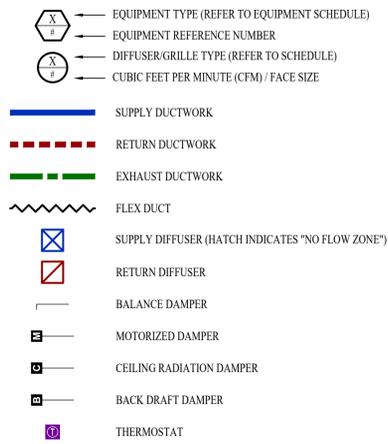
SANITARY SEWER PLAN - THIRD FLOOR - AREA B
 SCALE: 1/8" = 1'-0"

Mechanical - Electrical - Plumbing Design Drawings for
The Village at Discovery - Lot 4
 Discovery Avenue & Alura Way
 Lee's Summit, Jackson County, MO

SHEET TITLE
SANITARY SEWER PLAN - THIRD FLOOR - AREA B

SHEET NUMBER
PS113

HVAC PLAN SYMBOL LEGEND

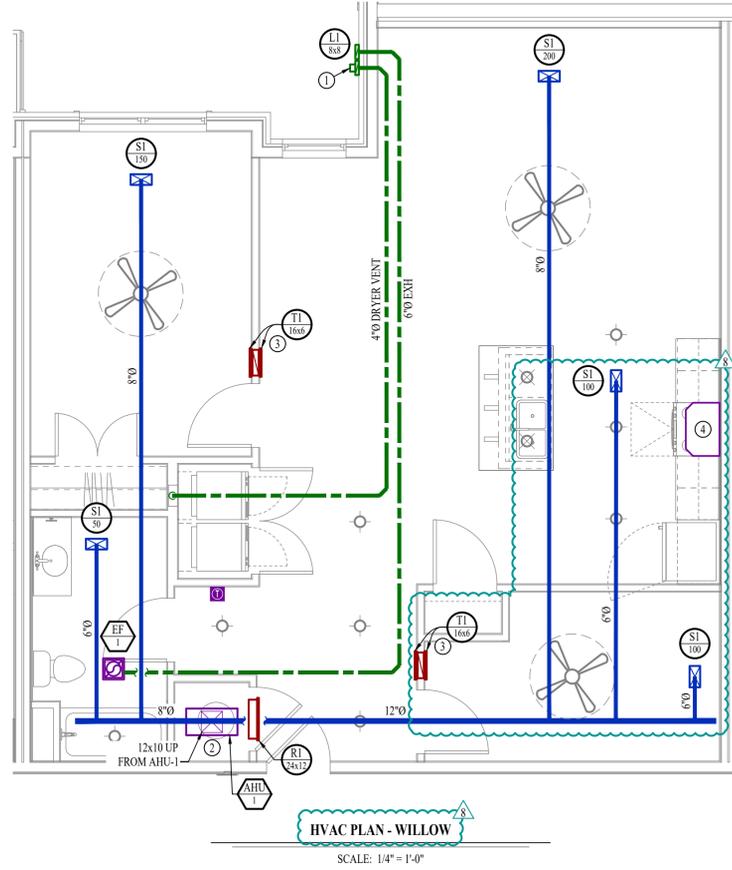


HVAC PLAN GENERAL NOTES:

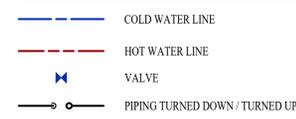
- SEE SHEET M501 FOR HVAC SCHEDULES, DETAILS, REQUIREMENTS, ETC.
- SEE SHEET MEP4 FOR CONDENSING UNIT LOCATIONS. REFRIGERANT PIPING SHALL ROUTE IN SPACES ABOVE FINISHED CEILINGS AND WITHIN WALL CAVITIES TO REMAIN CONCEALED.
- SUPPLY DUCTWORK FROM AHU AT FLOOR/CEILING PENETRATION SHALL BE PROTECTED BY 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.
- HIGH 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

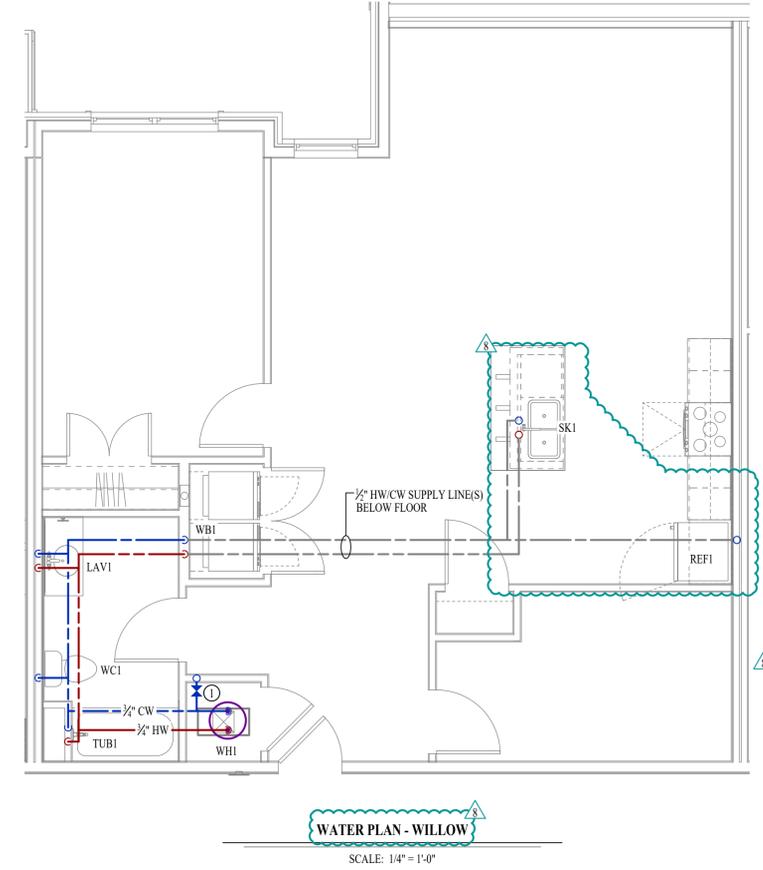


WATER PLAN GENERAL NOTES:

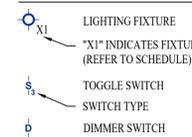
- SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.
- ALL PLUMBING LOCATED ON EXTERIOR WALLS SHALL ROUTE WITHIN INSULATION BARRIER.
- ALL DOMESTIC SUPPLY LINES SERVING MORE THAN (1) FIXTURE SHALL BE 1/2" UNLESS NOTED OTHERWISE.

WATER PLAN KEY NOTES:

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

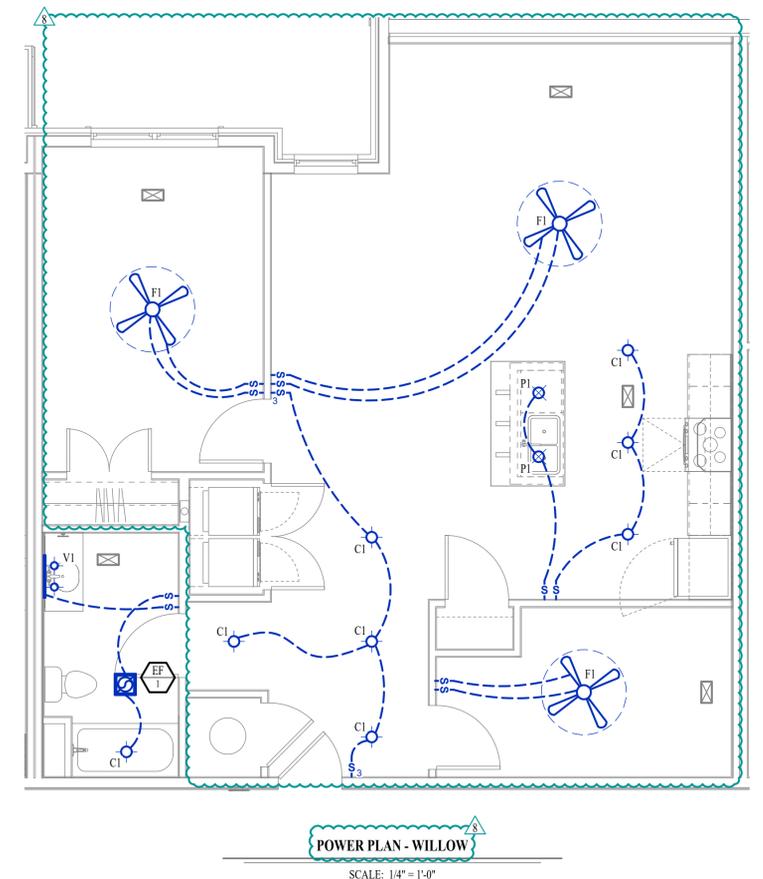


LIGHTING PLAN SYMBOL LEGEND

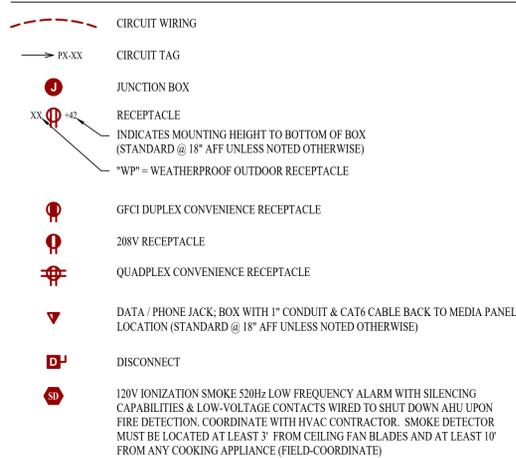


LIGHTING PLAN GENERAL NOTES:

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



POWER PLAN SYMBOL LEGEND

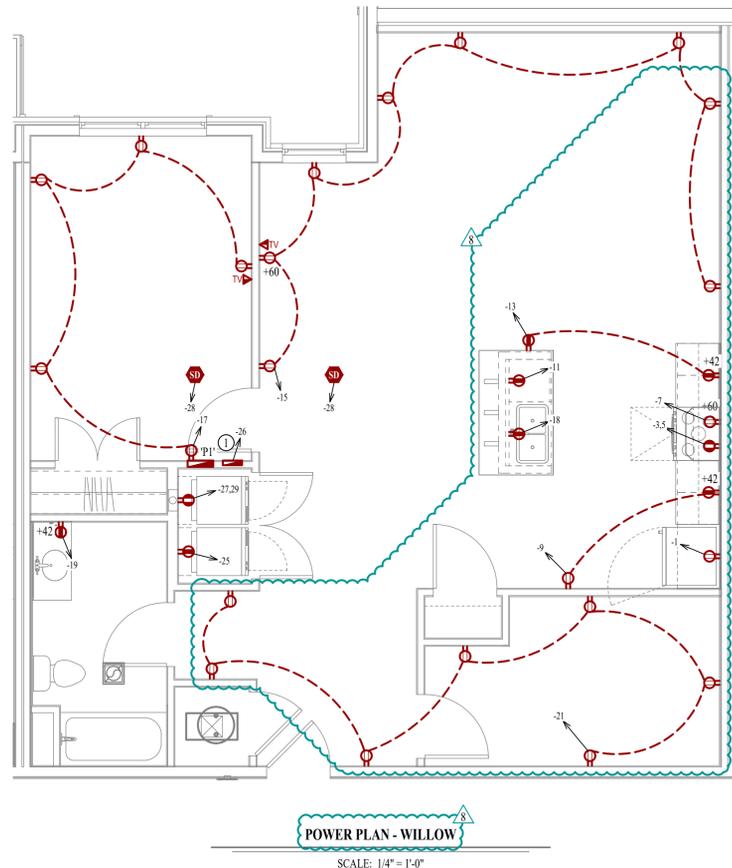


POWER PLAN GENERAL NOTES:

- 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.



RELEASE FOR CONSTRUCTION
 AS NOTED ON PLANS REVIEW
 ASSESSMENT SERVICES
 MISSOURI
 03/02/2024 3:22:32
 WATSON
 NUMBER
 PE-2015017071
 PROFESSIONAL ENGINEER
 James Watson, P.E. February 20, 2026
 PE-2015017071
 MO Certificate of Authority # 2018029680

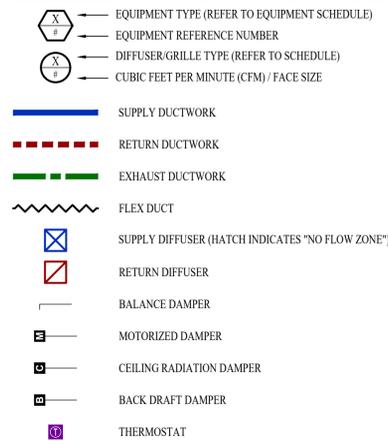
J-SQUARED ENGINEERING
 2400 Bluff Creek Drive, Suite 101
 Columbia, Missouri 65201
 573 - 234 - 4492 phone
 www.j-squaredeng.com

J2 PROJECT No:	J21007
J2 DESIGN:	JAP
ISSUE TITLE	DATE
CITY SUBMITTAL	01 / 25 / 2024
REVISION 1	10 / 21 / 2024
ASI 4.4	02 / 20 / 2026

Mechanical - Electrical - Plumbing Design Drawings for
The Village at Discovery - Lot 4
 Discovery Avenue & Alura Way
 Lee's Summit, Jackson County, MO

SHEET TITLE
UNIT TYPE WILLOW MEP PLAN
 SHEET NUMBER
UMEP1.3

HVAC PLAN SYMBOL LEGEND

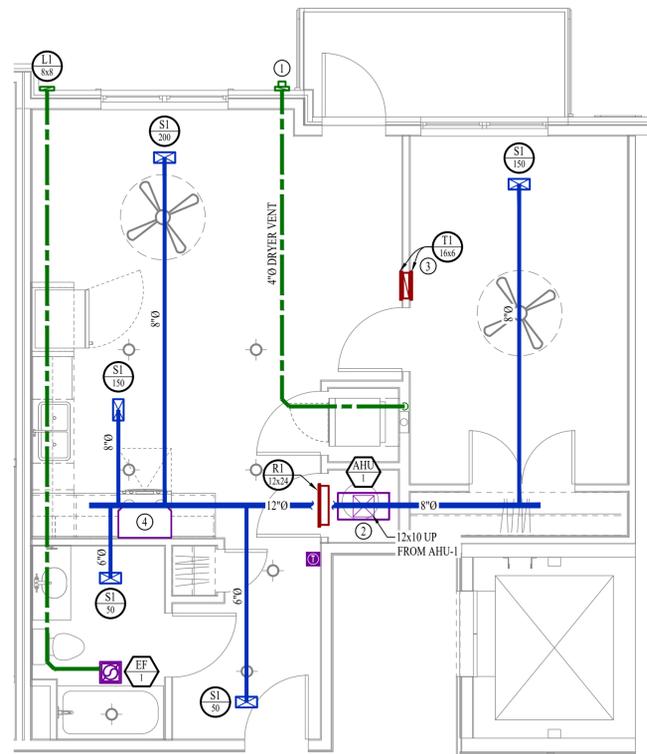


HVAC PLAN GENERAL NOTES:

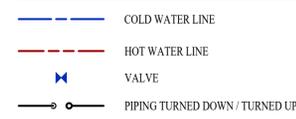
- SEE SHEET M501 FOR HVAC SCHEDULES, DETAILS, REQUIREMENTS, ETC.
- SEE SHEET MEP4 FOR CONDENSING UNIT LOCATIONS. REFRIGERANT PIPING SHALL ROUTE IN SPACES ABOVE FINISHED CEILINGS AND WITHIN WALL CAVITIES TO REMAIN CONCEALED.
- SUPPLY DUCTWORK FROM AHU AT FLOOR/CEILING PENETRATION SHALL BE PROTECTED BY 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.
- HIGH 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

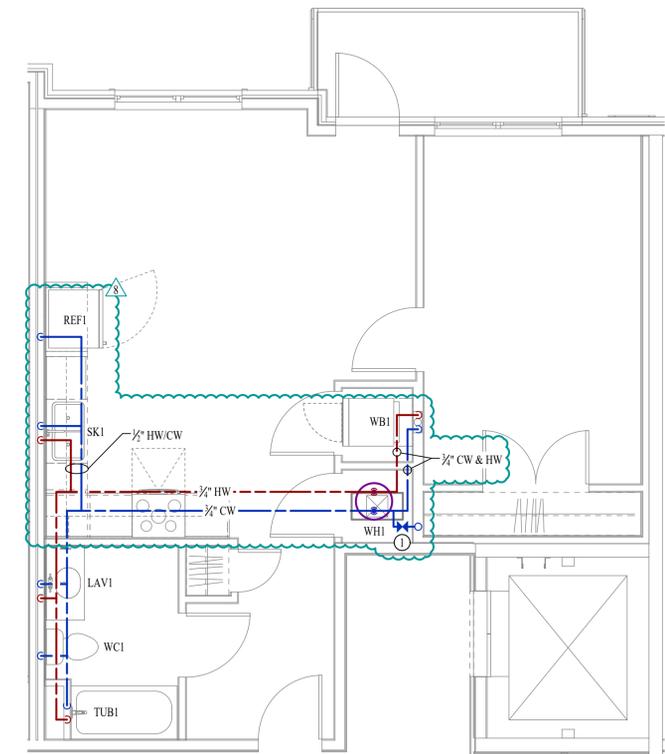


WATER PLAN GENERAL NOTES:

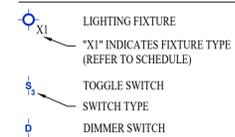
- SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.
- ALL PLUMBING LOCATED ON EXTERIOR WALLS SHALL ROUTE WITHIN INSULATION BARRIER.
- ALL DOMESTIC SUPPLY LINES SERVING MORE THAN (1) FIXTURE SHALL BE 3/4" UNLESS NOTED OTHERWISE.

WATER PLAN KEY NOTES:

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

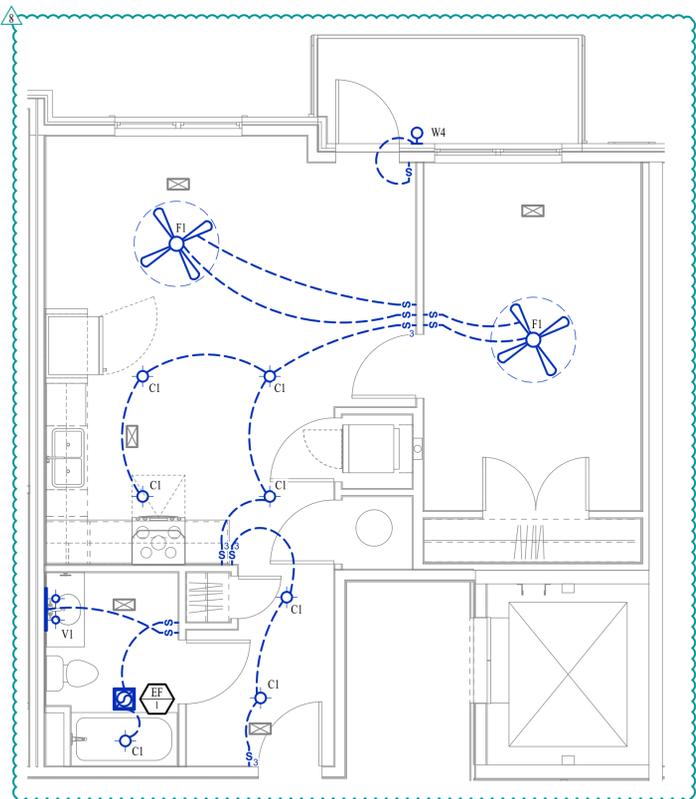


LIGHTING PLAN SYMBOL LEGEND

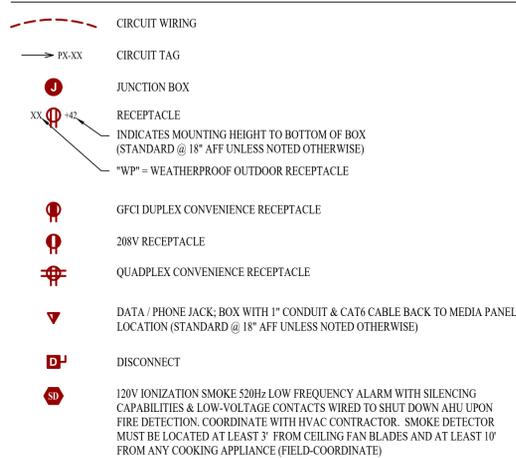


LIGHTING PLAN GENERAL NOTES:

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



POWER PLAN SYMBOL LEGEND

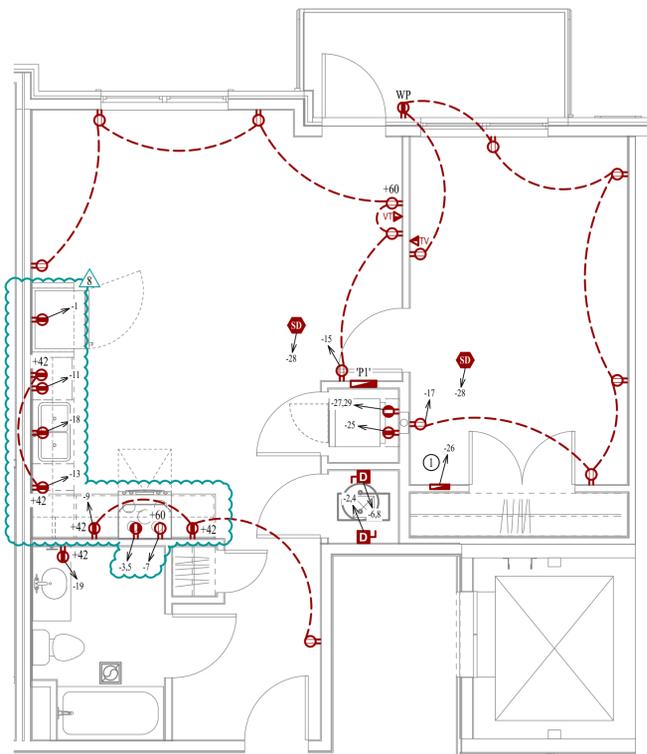


POWER PLAN GENERAL NOTES:

- 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.



James Watson, P.E. February 20, 2026
PE-2015017071
MO Certificate of Authority # 2018029680

J-SQUARED ENGINEERING
2400 Bluff Creek Drive, Suite 101
Columbia, Missouri 65201
573 - 234 - 4492 phone
www.j-squaredeng.com

J2 PROJECT No:	J21007
J2 DESIGN:	JAP

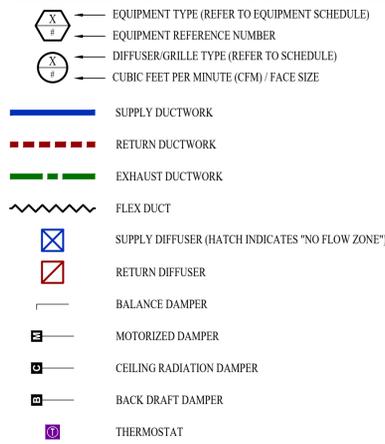
ISSUE TITLE	DATE
CITY SUBMITTAL	01 / 25 / 2024
REVISION 1	10 / 21 / 2024
ASI 4.4	02 / 20 / 2026

Mechanical - Electrical - Plumbing Design Drawings for
The Village at Discovery - Lot 4
Discovery Avenue & Alura Way
Lee's Summit, Jackson County, MO

SHEET TITLE
**UNIT TYPE
MAYA MEP PLAN**

SHEET NUMBER
UMEP1.6

HVAC PLAN SYMBOL LEGEND

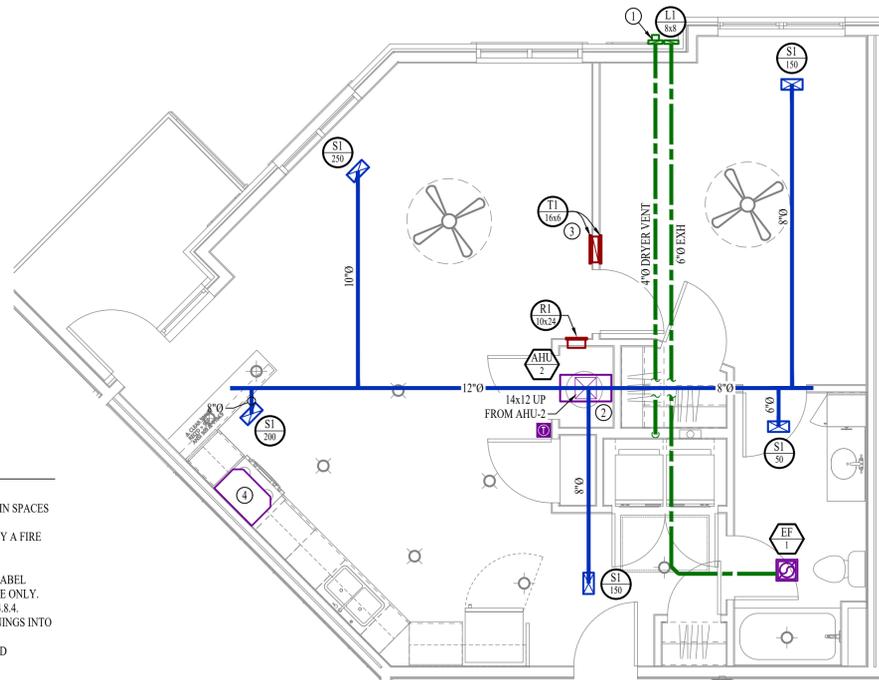


HVAC PLAN GENERAL NOTES:

- 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:

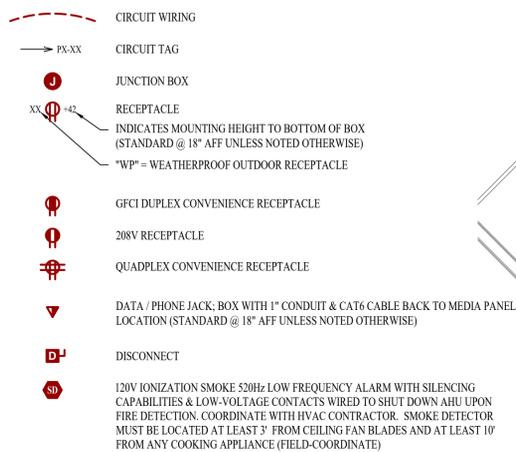
- TERMINATE 4" DRYER EXHAUST WITH VENT EQUAL TO DRYER WALL VENT #DWV4.
- AHU WALL MOUNTED ABOVE WATER HEATER. COORDINATE WITH PLUMBING CONTRACTOR. CONDENSATE TO DISCHARGE IN FLOOR DRAIN WITHIN CLOSET.
- HIGH LOW TRANSFER GRILLE (12" A.F.F. ON BEDROOM SIDE OF WALL; 84" A.F.F. ON OPPOSITE SIDE OF WALL).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



HVAC PLAN - DELTA

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

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:

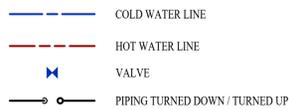
- MEDIA PANEL LOCATION: DATA/TV WIRING TO TERMINATE AT THIS LOCATION. DETERMINE EXACT LOCATION & DETAILS WITH OWNER PRIOR TO INSTALLATION.



POWER PLAN - DELTA

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

PLUMBING PLAN SYMBOL LEGEND

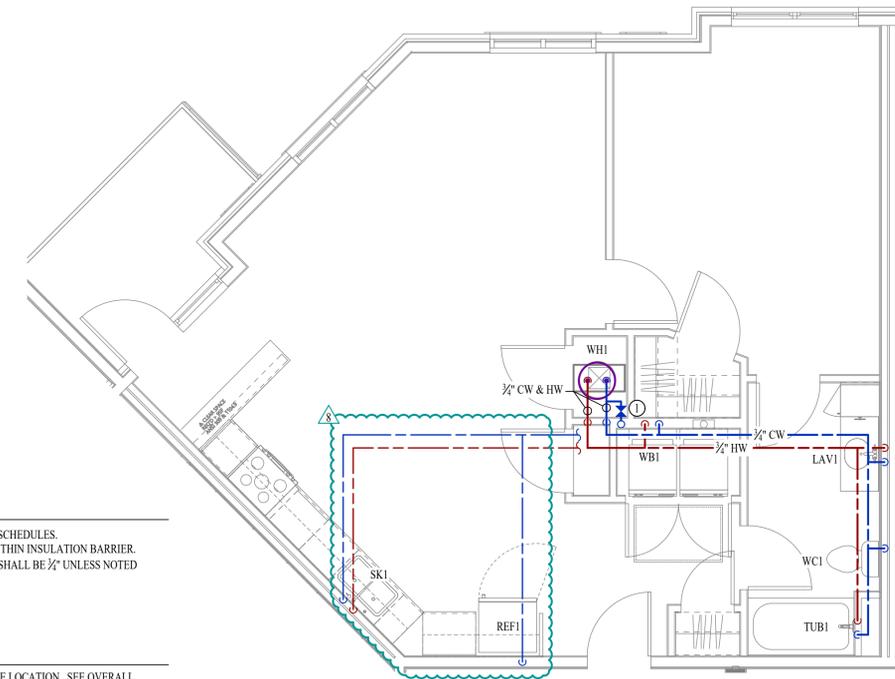


WATER PLAN GENERAL NOTES:

- 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 1/2" UNLESS NOTED OTHERWISE.

WATER PLAN KEY NOTES:

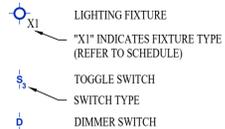
- 1" CW PIPE UP FROM BELOW WITH SHUT-OFF VALVE IN ACCESSIBLE LOCATION. SEE OVERALL PLUMBING PLANS FOR DETAILS.



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"



James Watson, P.E. February 20, 2026
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 MO Certificate of Authority # 2018029680

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J2 PROJECT No:	J21007
J2 DESIGN:	JAP

ISSUE TITLE	DATE
CITY SUBMITTAL	01 / 25 / 2024
REVISION 1	10 / 21 / 2024
ASI 4.4	02 / 20 / 2026

SHEET NUMBER

Mechanical - Electrical - Plumbing Design Drawings for
The Village at Discovery - Lot 4
 Discovery Avenue & Alura Way
 Lee's Summit, Jackson County, MO

SHEET TITLE

UNIT TYPE
 DELTA
 MEP PLAN

SHEET NUMBER

UMEP1.7