

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



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

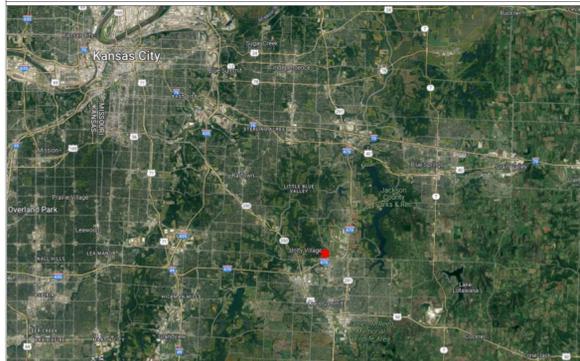


David E. Hendrikse, AIA

REGIONAL MAP



VICINITY MAP



THE VILLAGE AT DISCOVERY - LOT 4

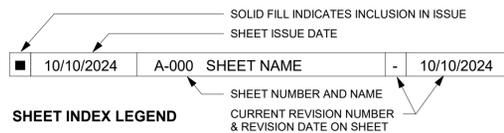
LEE'S SUMMIT, MO



SHEET INDEX

GENERAL					ARCHITECTURAL					STRUCTURAL				
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01/25/24	G-101	PARTITION ASSEMBLIES - WALLS	6	03/14/25	01/25/24	A-115	ENLARGED PLAN - 3RD FLOOR ZONE B	8	02/20/26	10/21/24	S102B	LEVEL 2 FRAMING PLAN ZONE B	7	03/28/25
01/25/24	G-102	PARTITION ASSEMBLIES - WALL/ROOF/FLOOR/CEILING	6	03/14/25	01/25/24	A-120	REFLECTED CEILING PLANS	8	02/20/26	01/25/24	S103	LEVEL 3 FRAMING PLAN	7	03/28/25
01/25/24	G-200	UL ASSEMBLIES - D916			01/25/24	A-125	CEILING DETAILS			01/25/24	S104	ROOF FRAMING PLAN	7	03/28/25
01/25/24	G-201	UL ASSEMBLIES - D916 / L546 / GA2750	7	03/28/25	01/25/24	A-200	EXTERIOR ELEVATIONS	8	02/20/26	01/25/24	S400	ENLARGED VIEWS	4	01/23/25
01/25/24	G-202	UL ASSEMBLIES - L546			01/25/24	A-201	EXTERIOR ELEVATIONS	8	02/20/26	01/25/24	S500	FOUNDATION DETAILS	7	03/28/25
01/25/24	G-203	UL ASSEMBLIES - L546 / P545			01/25/24	A-301	BUILDING SECTIONS	1	10/21/24	01/25/24	S501	FOUNDATION DETAILS	7	03/28/25
01/25/24	G-204	UL ASSEMBLIES - P545			01/25/24	A-302	ELEVATOR PLANS, SECTIONS & DETAILS	6	03/14/25	01/25/24	S502	FOUNDATION DETAILS	4	01/23/25
01/25/24	G-205	UL ASSEMBLIES - U305			01/25/24	A-303	STAIR 1 - PLANS AND SECTION	6	03/14/25	01/25/24	S503	PEDESTAL DETAILS	7	03/28/25
01/25/24	G-206	UL ASSEMBLIES - U305 / U341			01/25/24	A-304	STAIR 2 - PLANS AND SECTION	6	03/14/25	01/25/24	S504	PEDESTAL DETAILS	7	03/28/25
01/25/24	G-207	UL ASSEMBLIES - U341 / U415			01/25/24	A-305	STAIR DETAILS			01/25/24	S510	TYPICAL STEEL DETAILS	7	03/28/25
01/25/24	G-208	UL ASSEMBLIES - U415 / U423			01/25/24	A-400	ABERDEEN (2 BR) UNIT PLAN - TYPE A	3	12/20/24	01/25/24	S511	TYPICAL MASONRY DETAILS	7	03/28/25
01/25/24	G-209	UL ASSEMBLIES - U423 / U905			01/25/24	A-401	ABERDEEN (2 BR) ALT UNIT PLAN	3	12/20/24	01/25/24	S520	PODIUM FRAMING DETAILS	7	03/28/25
01/25/24	G-210	UL ASSEMBLIES - 263 / X790 / CH.7	7	03/28/25	01/25/24	A-402	ABERDEEN (2 BR) UNIT PLAN - TYPE B	3	12/20/24	01/25/24	S521	PODIUM FRAMING DETAILS	4	01/23/25
10/21/24	G-211	UL ASSEMBLIES - L516	7	03/28/25	01/25/24	A-403	ADRIAN (1 BR) UNIT PLAN	3	12/20/24	01/25/24	S522	PODIUM FRAMING DETAILS	7	03/28/25
10/21/24	G-212	UL ASSEMBLIES - L516	7	03/28/25	01/25/24	A-404	MAYA (1 BR) UNIT PLAN	8	02/20/26	10/21/24	S523	PODIUM FRAMING DETAILS	7	03/28/25
10/21/24	G-213	UL ASSEMBLIES - U356	7	03/28/25	01/25/24	A-405	ARA (1 BR) UNIT PLAN	3	12/20/24	10/21/24	S524	FRAMING AT TYPICAL GARAGE WALL OPENING	7	03/28/25
01/25/24	G-300	ACCESSIBILITY STANDARDS			01/25/24	A-406	ARA (1 BR) UNIT PLAN	3	12/20/24	01/25/24	S525	TYPICAL WOOD FRAMING DETAILS	7	03/28/25
01/25/24	G-301	ACCESSIBILITY STANDARDS			01/25/24	A-407	WILLOW (1 BR) UNIT PLAN	8	02/20/26	01/25/24	S531	WOOD FLOOR FRAMING DETAILS	7	03/28/25
01/25/24	G-302	ACCESSIBILITY STANDARDS			01/25/24	A-408	DELTA (1 BR) UNIT PLAN	8	02/20/26	01/25/24	S532	WOOD FLOOR FRAMING DETAILS	4	01/23/25
01/25/24	G-303	ACCESSIBILITY STANDARDS			01/25/24	A-409	HURLEY (2 BR) UNIT PLAN	3	12/20/24	01/25/24	S533	WOOD FLOOR FRAMING DETAILS	7	03/28/25
01/25/24	AS-100	ARCHITECTURAL SITE AMENITIES			01/25/24	A-410	LANA (2 BR) UNIT PLAN	6	03/14/25	01/25/24	S534	WOOD ROOF FRAMING DETAILS	7	03/28/25
					01/25/24	A-415	UNIT DETAILS	1	10/21/24	01/25/24	S541	WOOD ROOF FRAMING DETAILS	7	03/28/25
					01/25/24	A-500	WATERPROOFING DETAILS			01/25/24	S550	SHEAR WALL DETAILS	7	03/28/25
					01/25/24	A-501	WALL DETAILS	6	03/14/25	10/21/24	S560	TYPICAL BALCONY PLANS AND DETAILS - LEVEL 2	7	03/28/25
					01/25/24	A-502	WALL DETAILS	6	03/14/25	10/21/24	S561	TYPICAL BALCONY PLANS AND DETAILS - LEVEL 3	7	03/28/25
					01/25/24	A-503	BRICK DETAILS	6	03/14/25	10/21/24	S562	ADDITIONAL BALCONY PLANS LEVELS 2 AND 3	7	03/28/25
					01/25/24	A-504	ELEVATOR DETAILS			10/21/24	S563	ADDITIONAL BALCONY DETAILS - LEVEL 3	7	03/28/25
					01/25/24	A-505	BALCONY & PARAPET DETAILS			10/21/24	S564	MAIN ENTRY BALCONY LEVEL 2/ LEVEL 3	7	03/28/25
					01/25/24	A-506	BALCONY DETAILS							
					01/25/24	A-600	WINDOW AND DOOR SCHEDULES	6	03/14/25					
					01/25/24	A-601	TYPICAL STOREFRONT ELEVATIONS	3	12/20/24					
					01/25/24	A-602	DOOR DETAILS							
					01/25/24	A-603	WINDOW DETAILS							
					01/25/24	A-700	FINISH TRANSITION DETAILS							
					01/25/24	A-711	FIRST & SECOND FLOOR FINISH PLAN							

SHEET INDEX CONTINUED ON G-001.1



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 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 731 S.F. 684 S.F.

ADRIAN CORNER 588 S.F. 543 S.F.

ARA 693 S.F. 642 S.F.

ARA - ALT 1,094 S.F. 1,039 S.F.

ARA CORNER 879 S.F. 829 S.F.

DELTA 938 S.F. 874 S.F.

HURLEY 1,062 S.F. 985 S.F.

LANA 1,113 S.F. 1,042 S.F.

LANA (LG)

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
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STRUCTURAL ENGINEER

MCCLURE

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MECHANICAL, ELECTRICAL, PLUMBING ENGINEER

J-SQUARED ENGINEERING

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CIVIL ENGINEER

CROCKETT ENGINEERING CONSULTANTS

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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 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

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 = [A1 + (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. 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. FOR EXTERIOR WALLS BASED ON FIRE SEP. DISTANCE: 0 HOUR <30 FEET, 0 >30 FEET

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

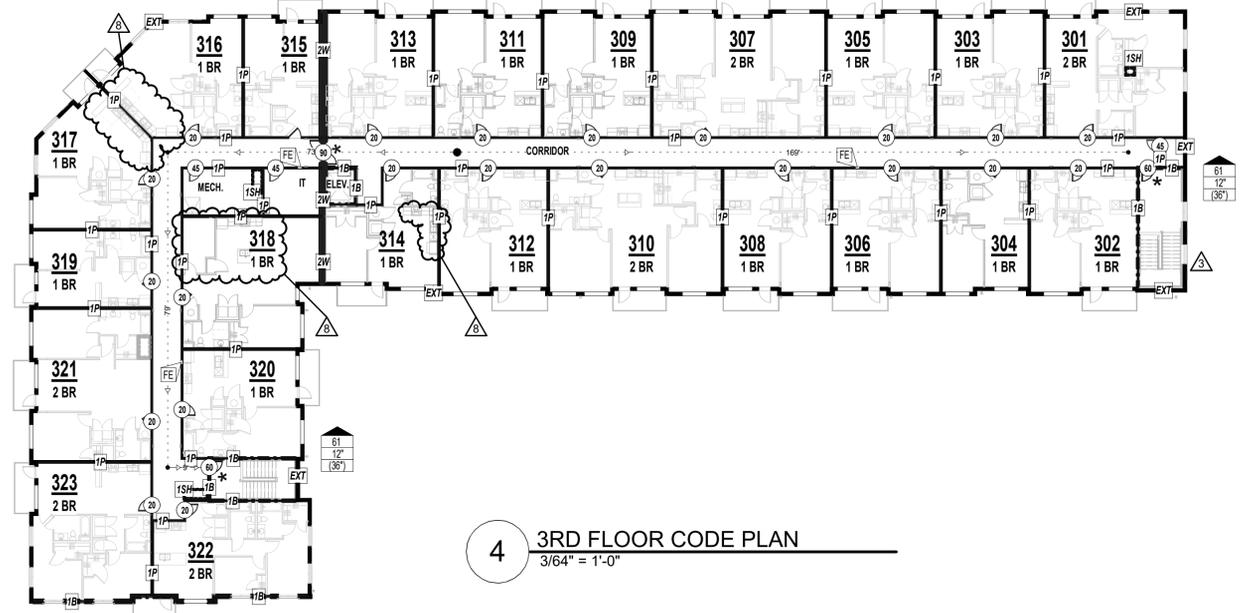
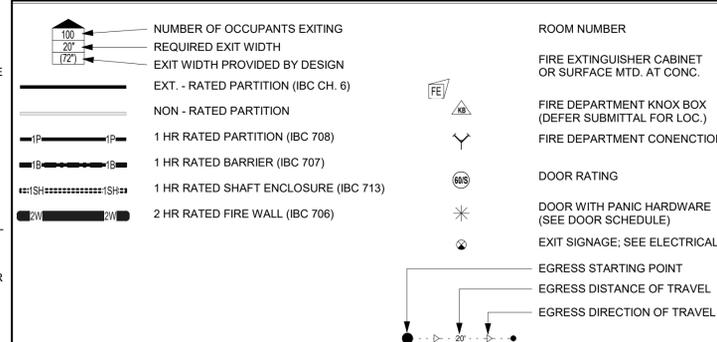
CHAPTER TWELVE

1206 SOUND TRANSMISSION: 50STC RATING BETWEEN SLEEPING UNITS

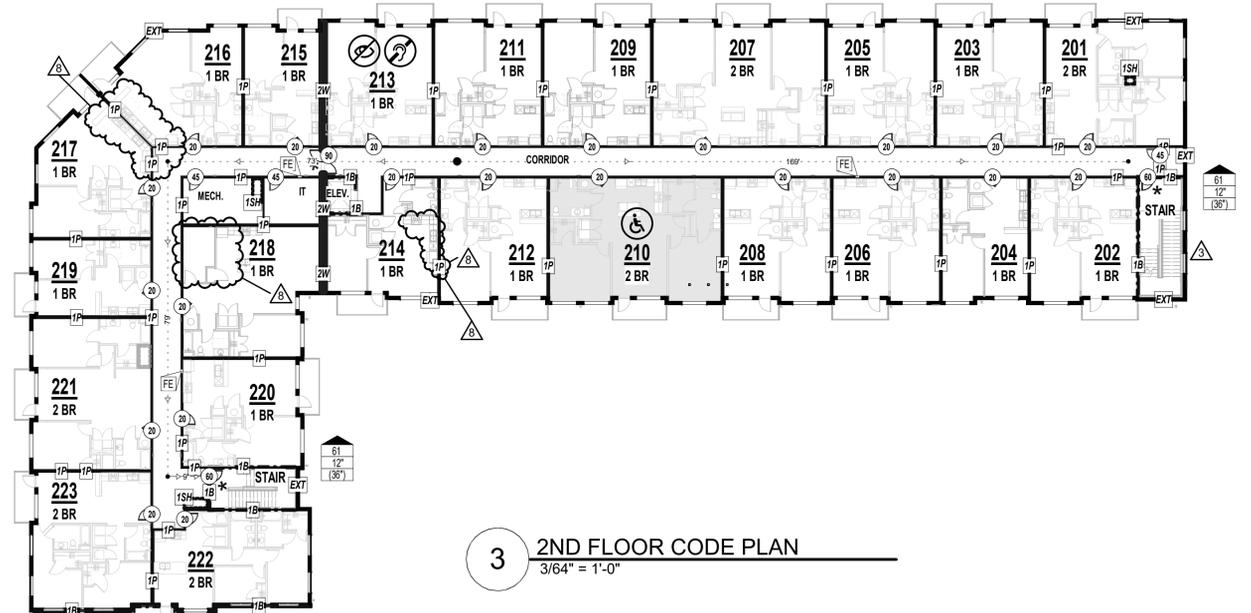
CODE PLAN GENERAL NOTES:

- 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.

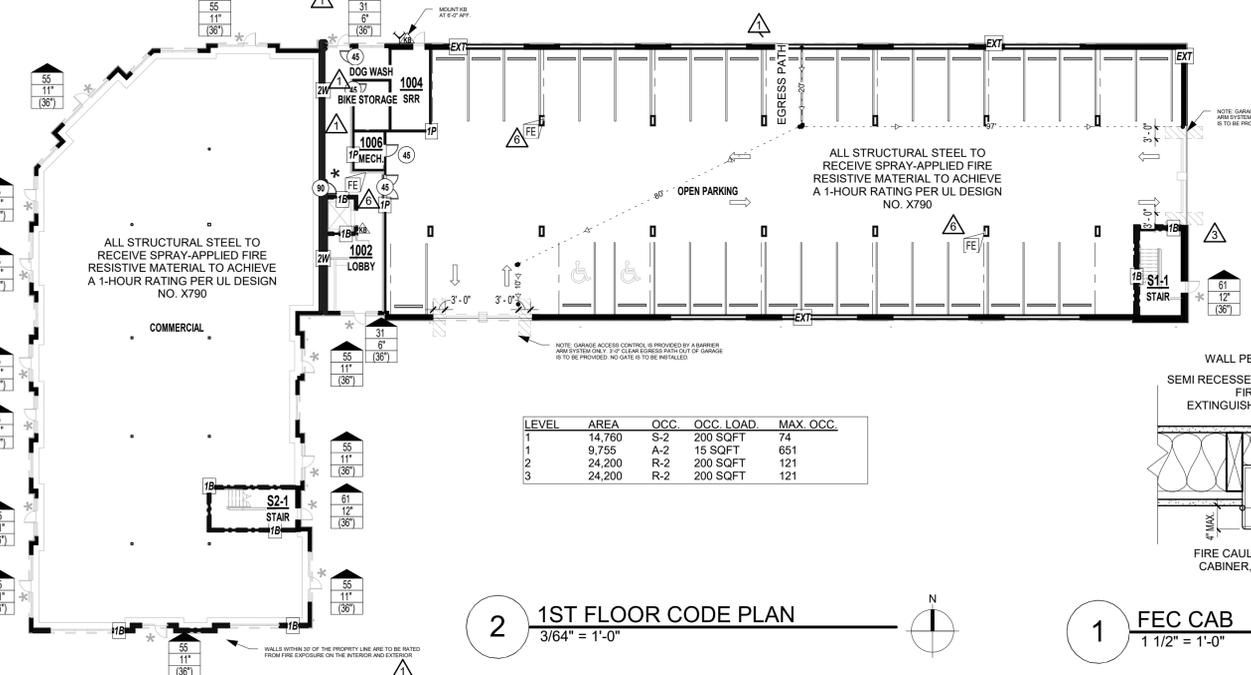
CODE PLAN LEGEND



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



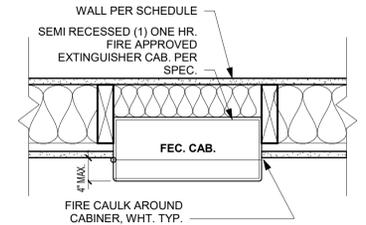
3 2ND FLOOR CODE PLAN
3/64" = 1'-0"



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

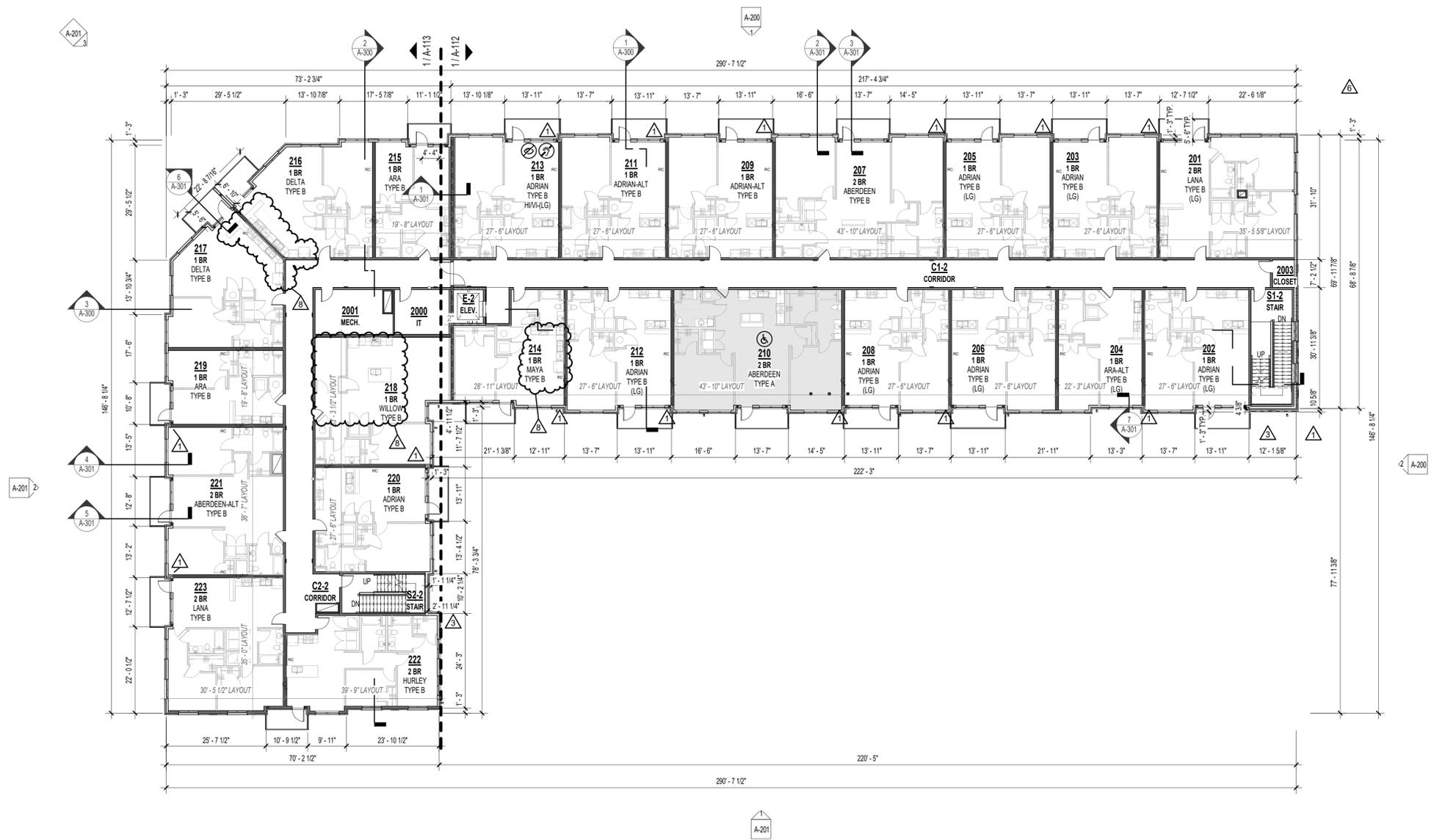
REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-101 FOR PLAN LEGEND

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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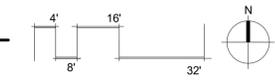


THE VILLAGE AT DISCOVERY -
LOT 4
LEES SUMMIT, MO

SHEET TITLE
SECOND FLOOR PLAN
PROJECT NUMBER: 23099
SHEET NUMBER:

A-102

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



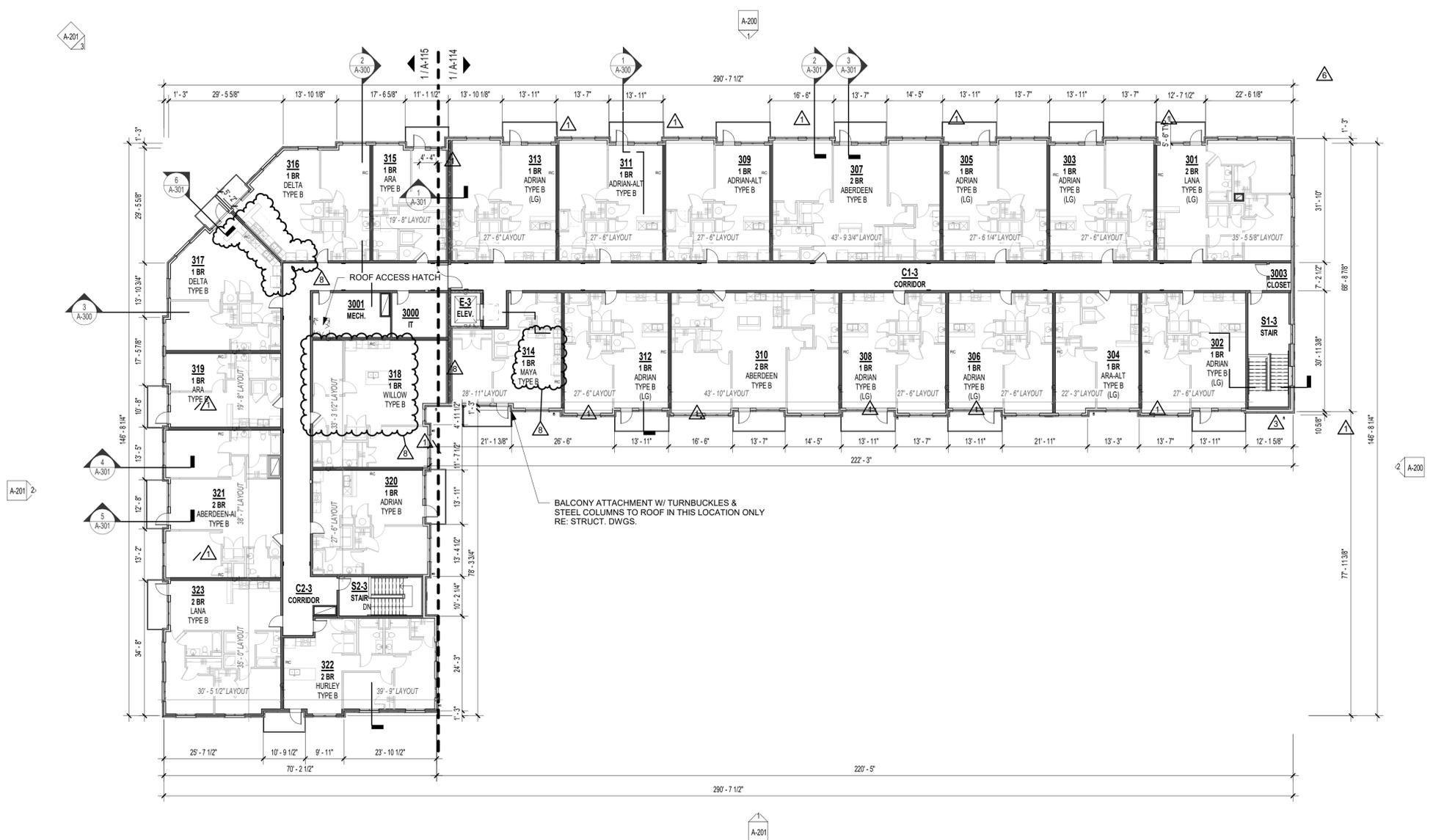
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REFERENCE G-003 FOR GENERAL NOTES
 REFERENCE A-101 FOR PLAN LEGEND
 REFERENCE A-102 FOR UNIT SHEET REFERENCE

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

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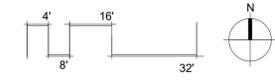


THE VILLAGE AT DISCOVERY -
 LOT 4
 LEE'S SUMMIT, MO

SHEET TITLE
 THIRD FLOOR PLAN
 PROJECT NUMBER: 23099
 SHEET NUMBER:

A-103

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



2/20/2024 10:52:39 AM
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- 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

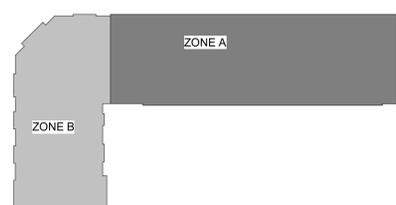
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1 SECOND FLOOR ENLARGED PLAN - ZONE A
1/8" = 1'-0"



**THE VILLAGE AT DISCOVERY -
LOT 4
LEES SUMMIT, MO**

SHEET TITLE
ENLARGED PLAN - 2ND FLOOR
ZONE A

PROJECT NUMBER: 23099

SHEET NUMBER:

A-112

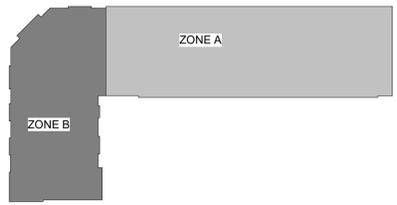
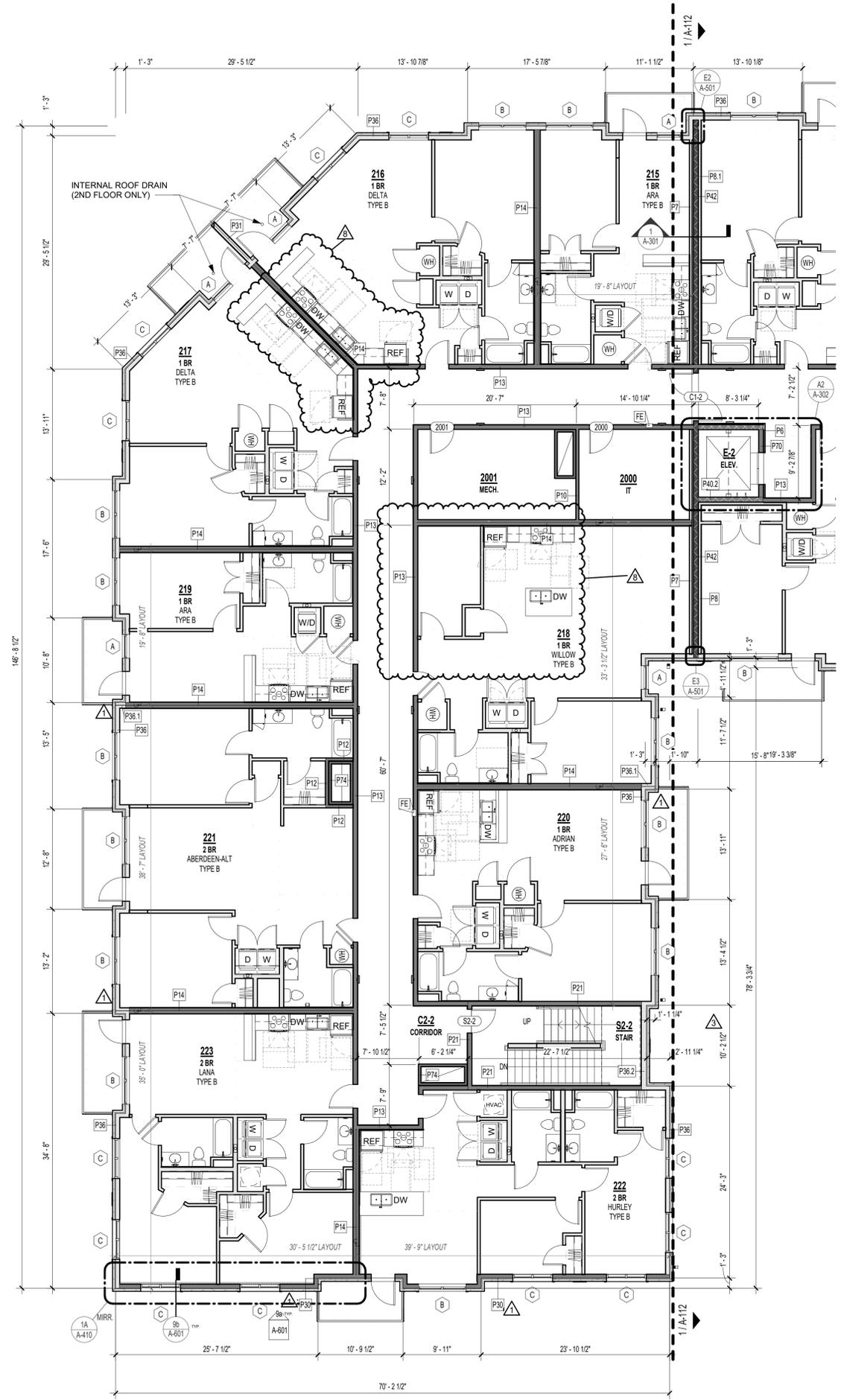
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THE VILLAGE AT DISCOVERY -
LOT 4
LEE'S SUMMIT, MO

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"



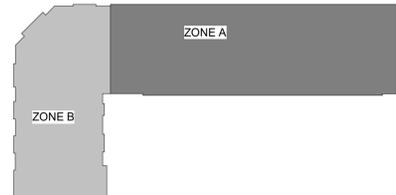
THE VILLAGE AT DISCOVERY -
LOT 4
LEES SUMMIT, MO

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

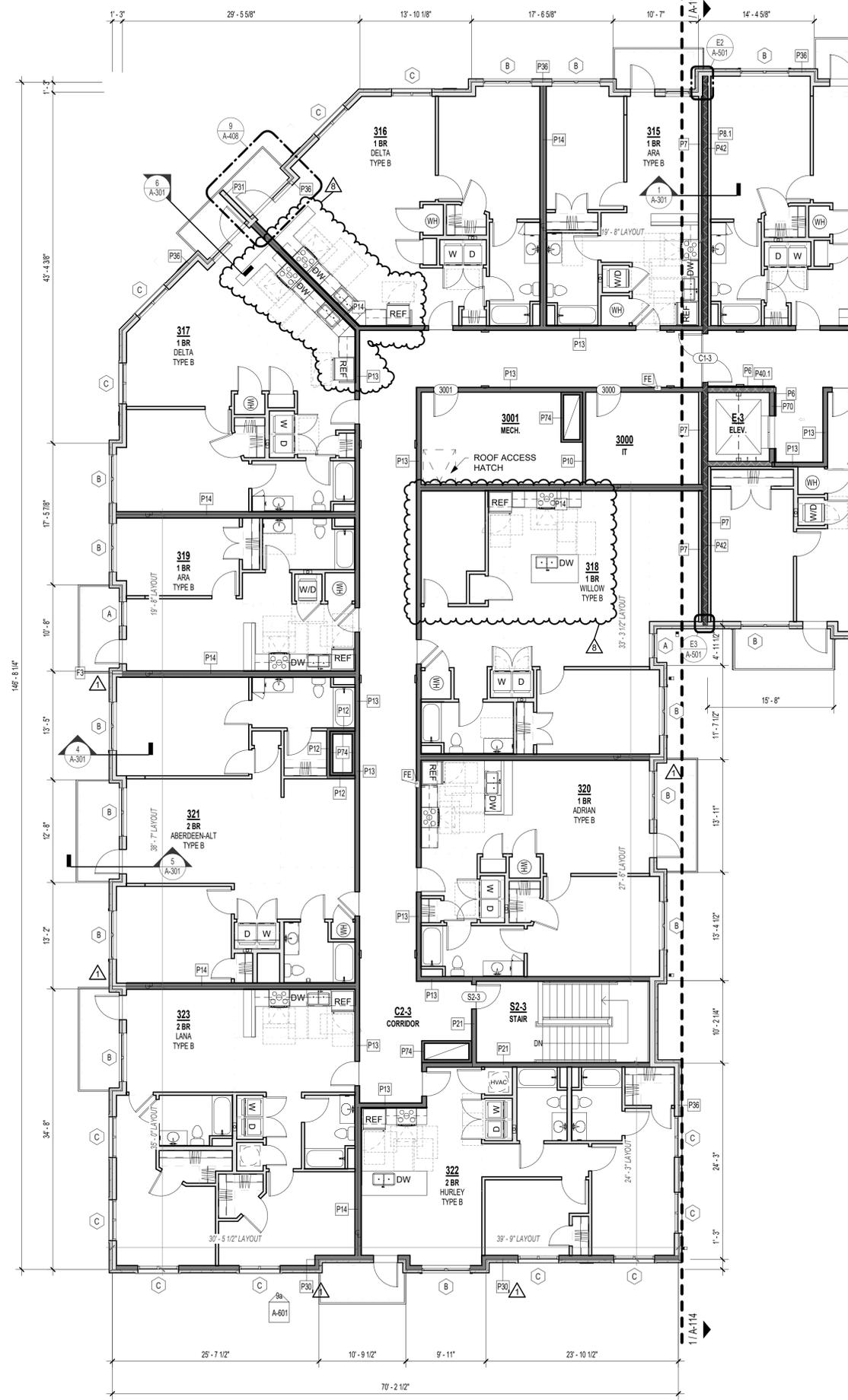
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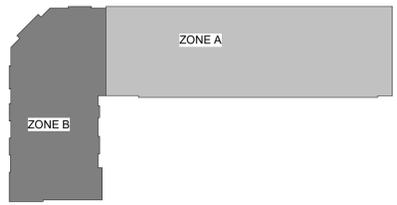
1 THIRD FLOOR ENLARGED PLAN - ZONE A
1/8" = 1'-0"



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



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THE VILLAGE AT DISCOVERY -
LOT 4
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SHEET TITLE
ENLARGED PLAN - 3RD FLOOR
ZONE B

PROJECT NUMBER: 23099

SHEET NUMBER:

A-115

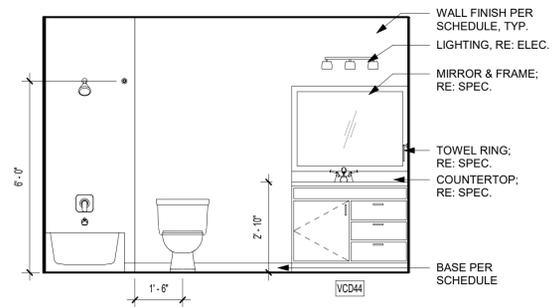
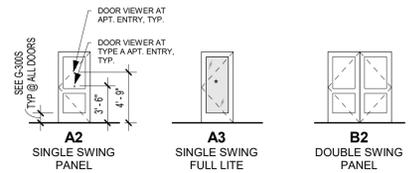
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REFERENCE G-003 FOR GENERAL NOTES
 REFERENCE A-120 FOR RCP LEGEND
 REFERENCE A-400 FOR UNIT PLAN LEGEND
 REFERENCE A-102 & A-103 FOR RC LOCATIONS

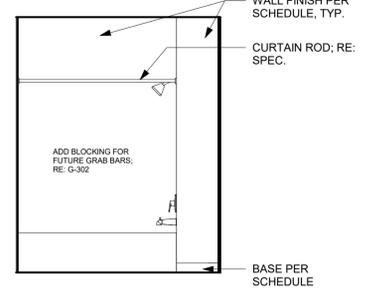
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 3 12/20/24 ADDENDUM #3
 8 02/20/26 ASI 4.5 CHANGES TO APPROVED PLANS

DOOR TYPES - UNITS

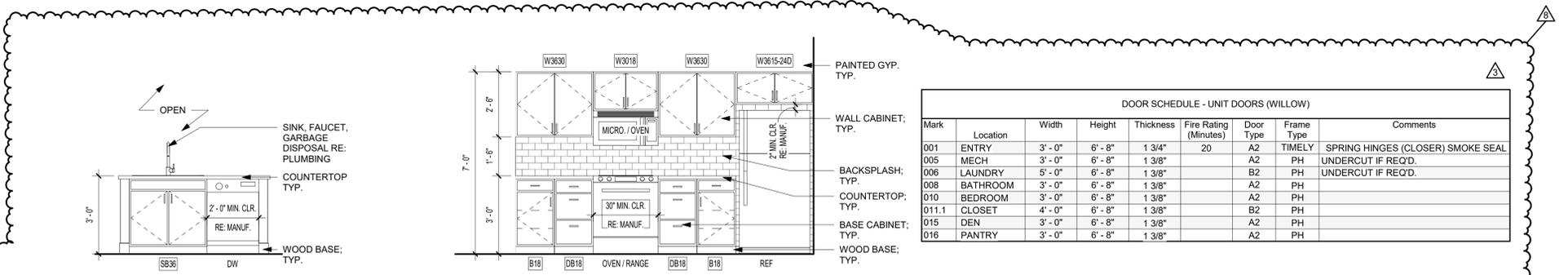


7 WILLOW BATH ELEV. 2
 3/8" = 1'-0"

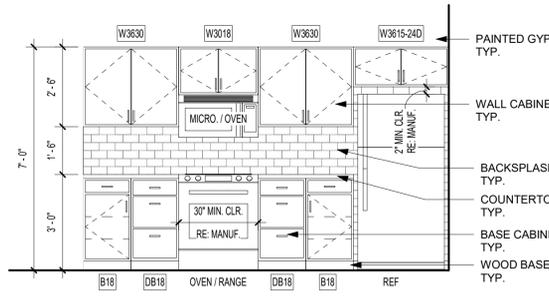


6 WILLOW BATH ELEV. 1
 3/8" = 1'-0"

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				

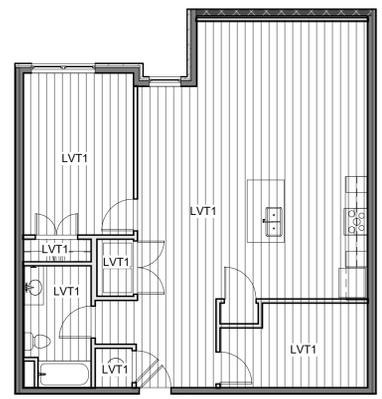


5 WILLOW KIT. ELEV. 2
 3/8" = 1'-0"

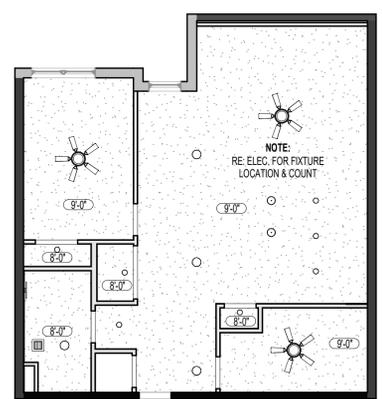


4 WILLOW KIT. ELEV. 1
 3/8" = 1'-0"

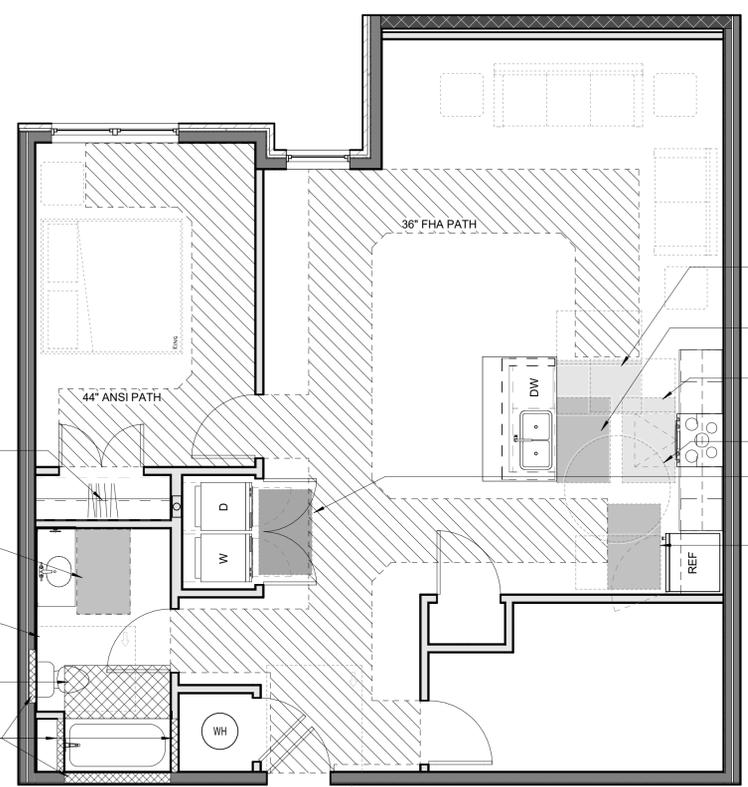
DOOR SCHEDULE - UNIT DOORS (WILLOW)									
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments	
001	ENTRY	3'-0"	6'-8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL	
005	MECH	3'-0"	6'-8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D.	
006	LAUNDRY	5'-0"	6'-8"	1 3/8"		B2	PH	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		
011.1	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		



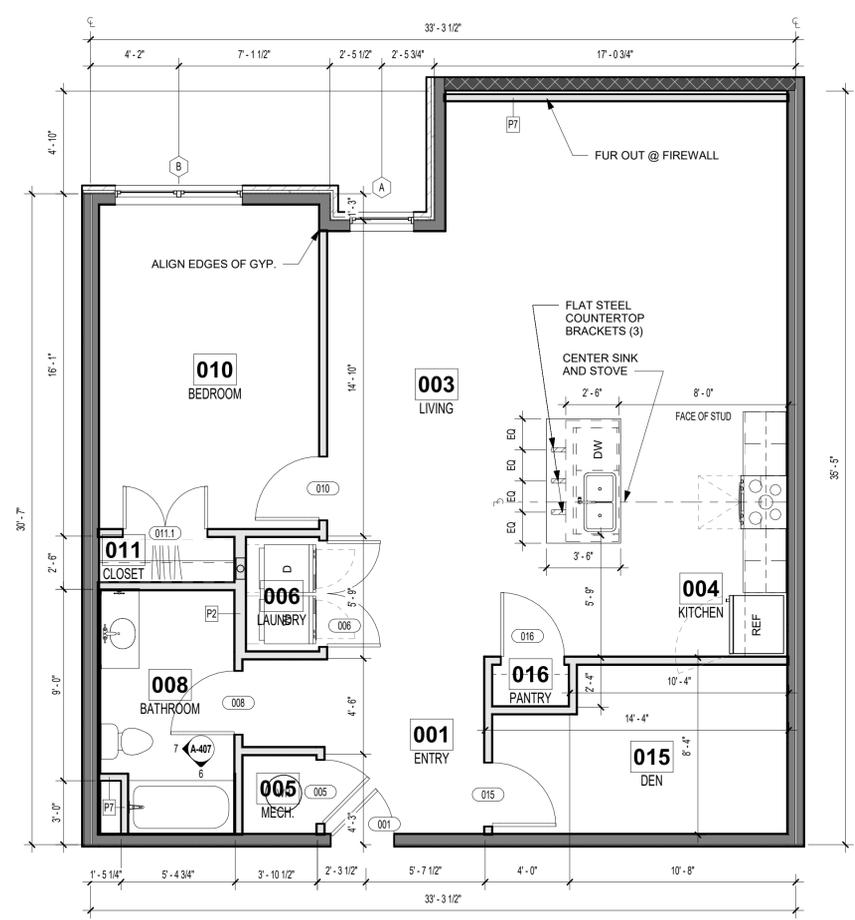
9 UNIT FINISH PLAN - WILLOW (1 BR) - TYPE B
 1/8" = 1'-0"



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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THE VILLAGE AT DISCOVERY -
 LOT 4
 LEES SUMMIT, MO

SHEET TITLE
 WILLOW (1 BR) UNIT PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

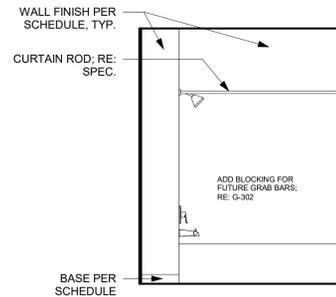
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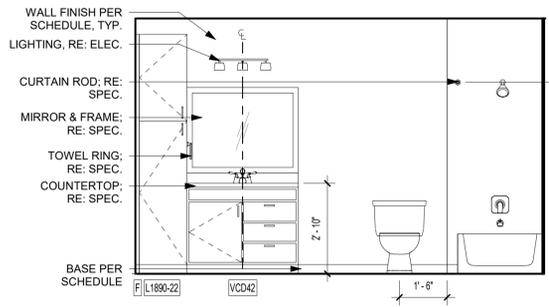
REFERENCE G-003 FOR GENERAL NOTES
 REFERENCE A-120 FOR RCP LEGEND
 REFERENCE A-400 FOR UNIT PLAN LEGEND
 REFERENCE A-102 & A-103 FOR RC LOCATIONS

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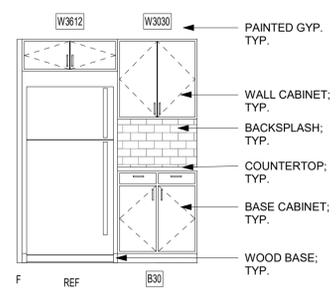
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 8 02/20/26 ASI 4.5 CHANGES TO APPROVED PLANS



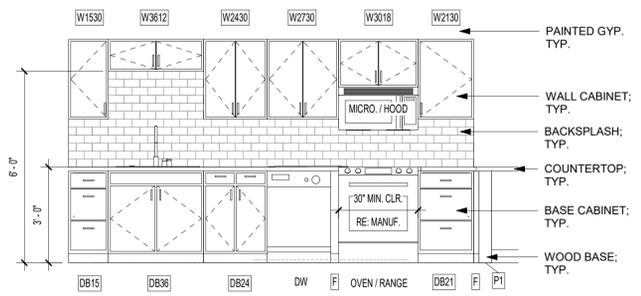
8 DELTA BATH ELEV. 2
 3/8" = 1'-0"



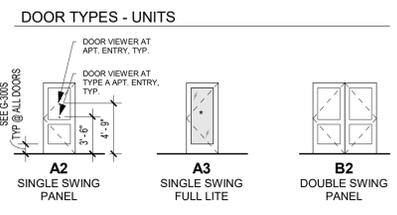
7 DELTA BATH ELEV. 1
 3/8" = 1'-0"



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

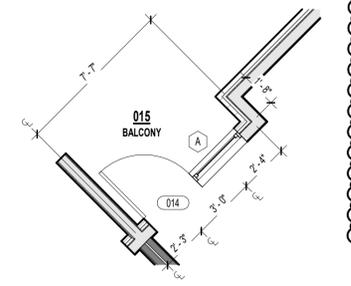


5 DELTA KIT. ELEV. 1
 3/8" = 1'-0"

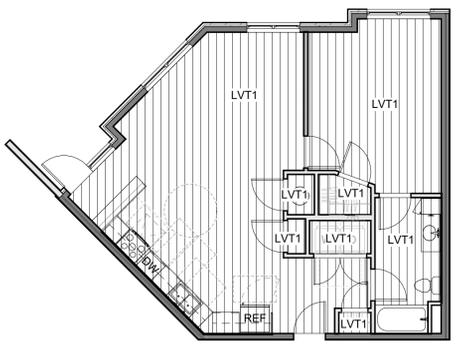


Room Finish Schedule - Units						
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, 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				

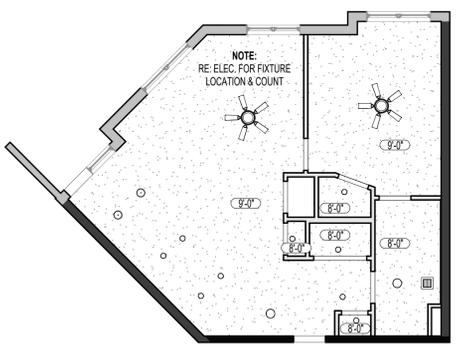
DOOR SCHEDULE - UNITS (DELTA)								
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3' - 0"	6' - 8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D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



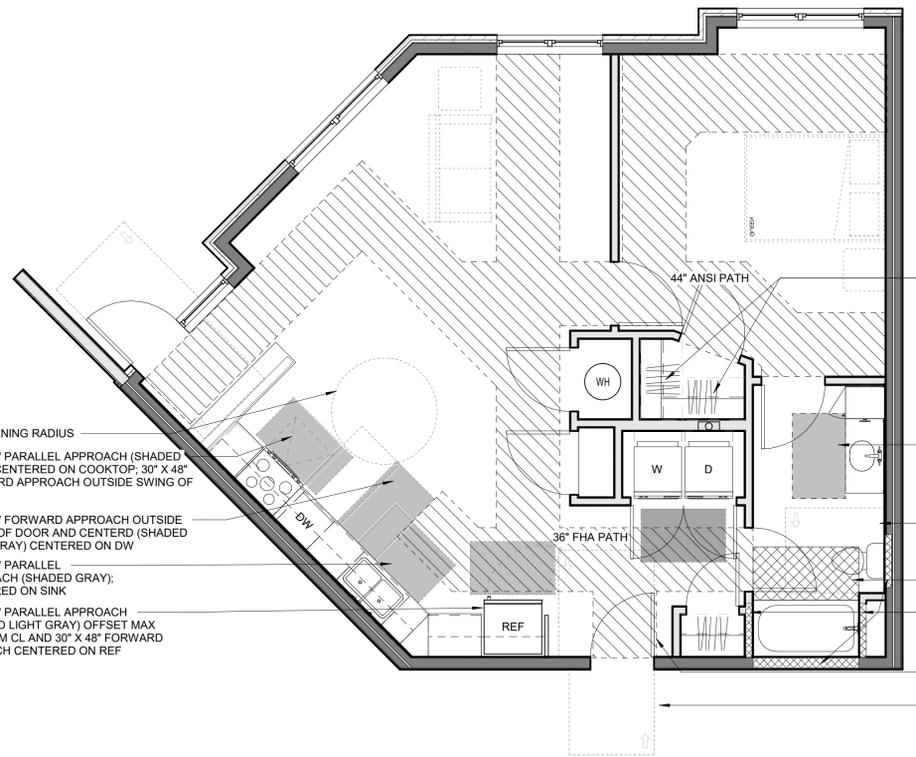
9 DELTA ALT BALCONY PLAN
 1/4" = 1'-0" (3RD FLOOR ONLY)



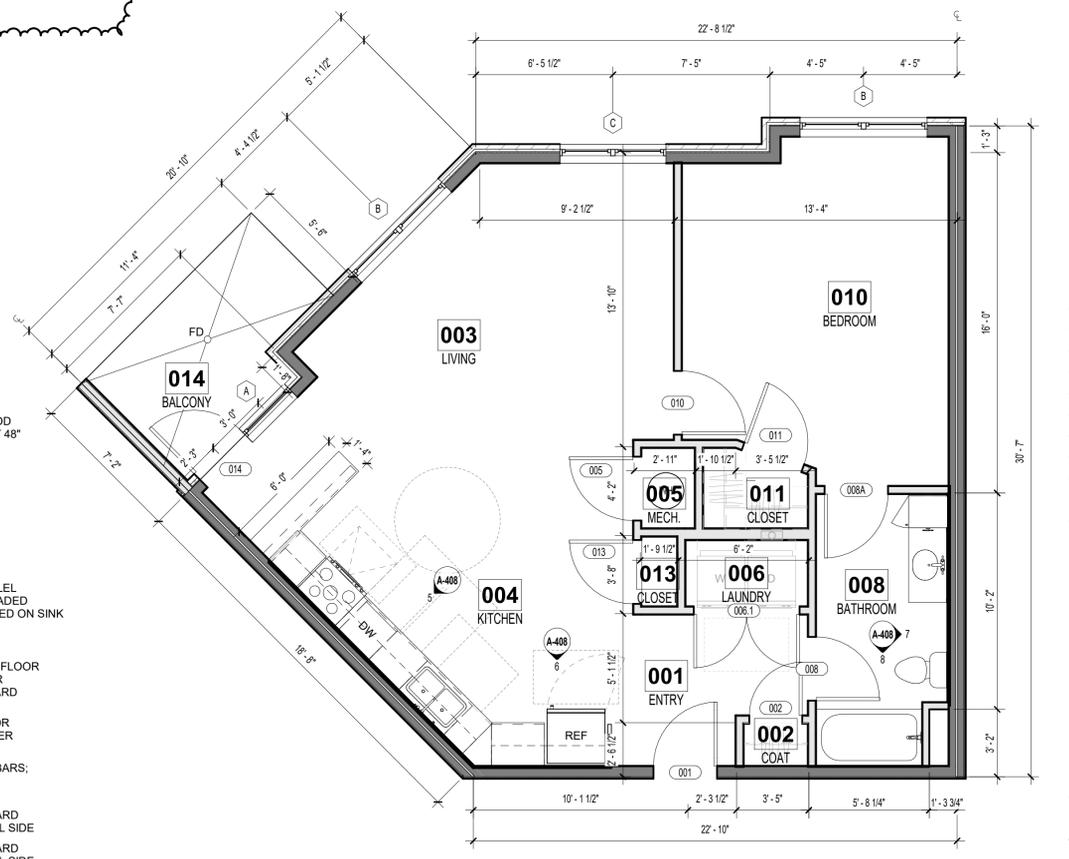
4 UNIT FINISH PLAN - DELTA (1 BR) - TYPE B
 1/8" = 1'-0"



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



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



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

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02/20/26

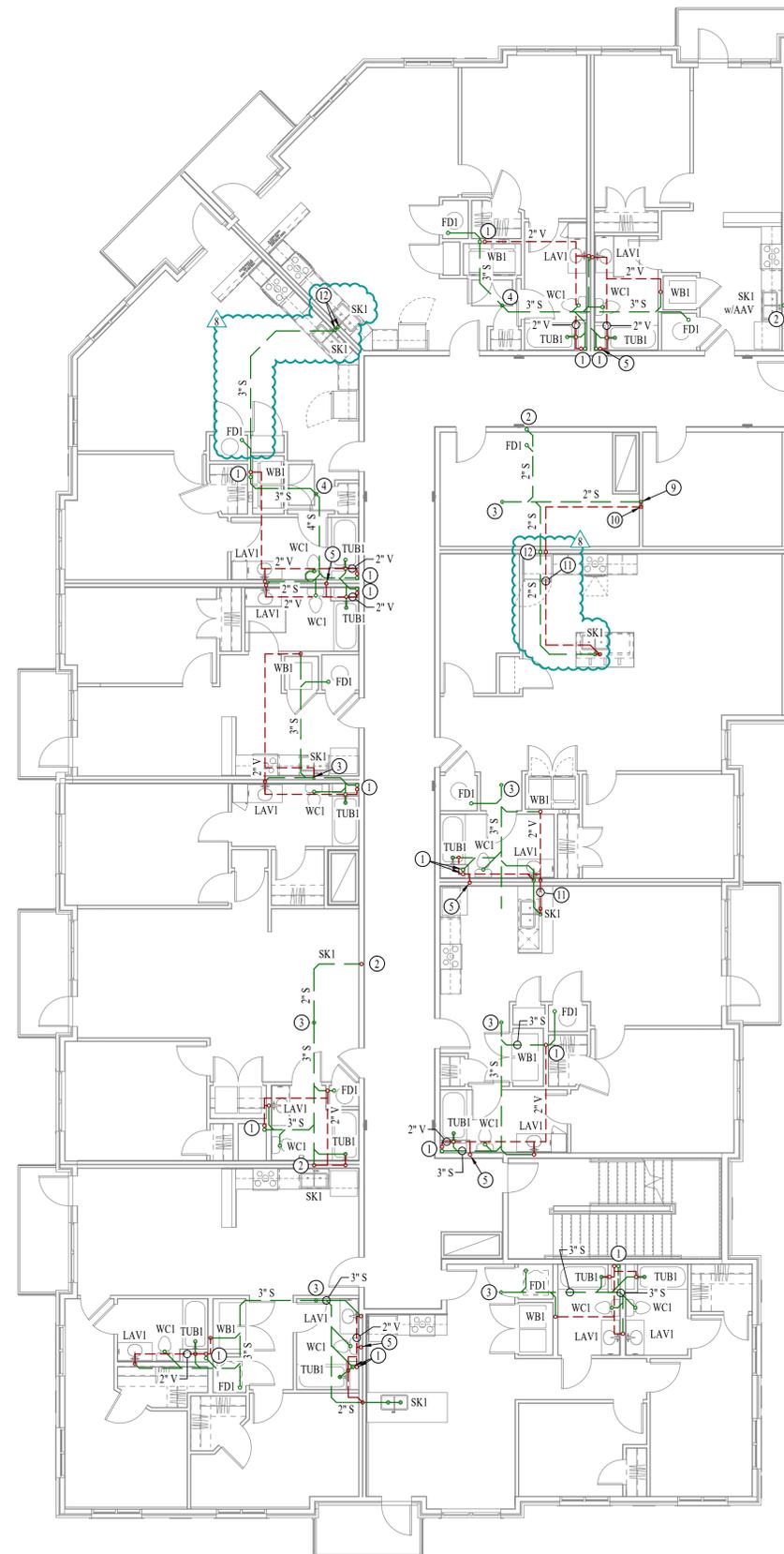
THE VILLAGE AT DISCOVERY - LOT 4
 LEE'S SUMMIT, MO

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

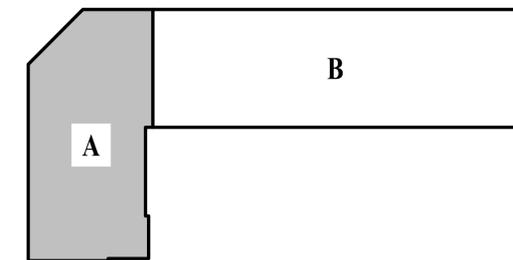
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- TIE INTO EXISTING

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

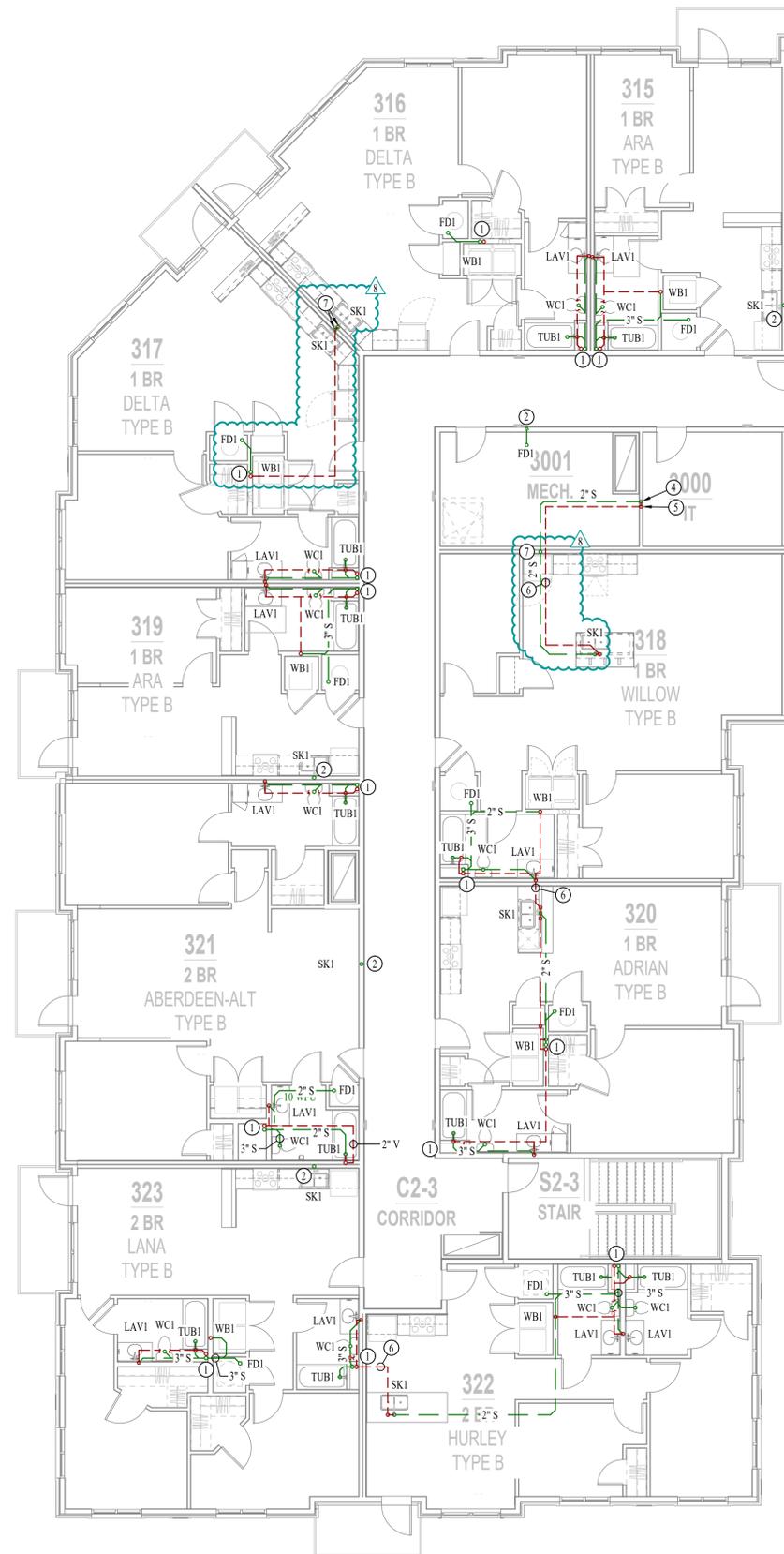
Mechanical - Electrical - Plumbing Design Drawings for
The Village at Discovery - Lot 4
Discovery Avenue & Alura Way
Lee's Summit, Jackson County, MO

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

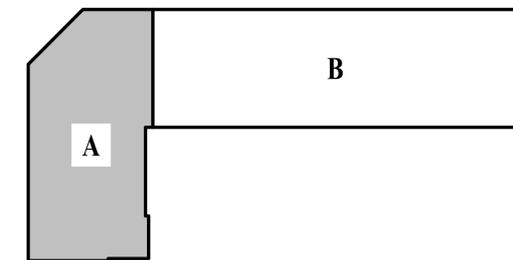
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- ✕ TIE INTO EXISTING

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



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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
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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

SANITARY SEWER PLAN SYMBOL LEGEND

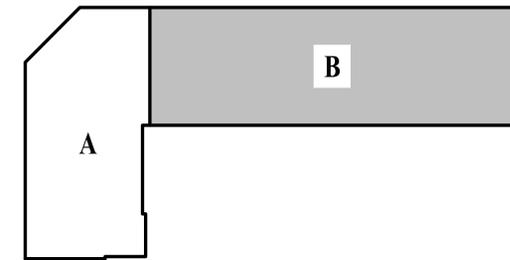
- SANITARY SEWER PIPING
- - - VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- ✕ TIE INTO EXISTING

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"



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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

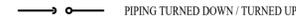
The Village at Discovery - Lot 4

Discovery Avenue & Alura Way
Lee's Summit, Jackson County, MO

SHEET TITLE
SANITARY SEWER PLAN - SECOND FLOOR - AREA B

SHEET NUMBER
PS112

SANITARY SEWER PLAN SYMBOL LEGEND

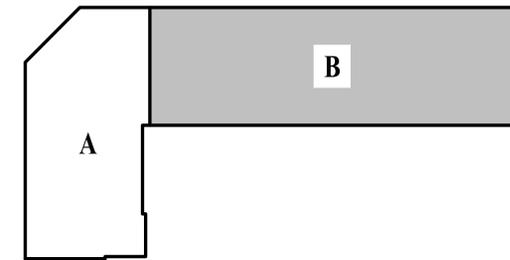
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
-  PIPING TURNED DOWN / TURNED UP
-  TIE INTO EXISTING

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"



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J2 PROJECT No:	J21007
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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 B

SHEET NUMBER
PS113

HVAC PLAN SYMBOL LEGEND

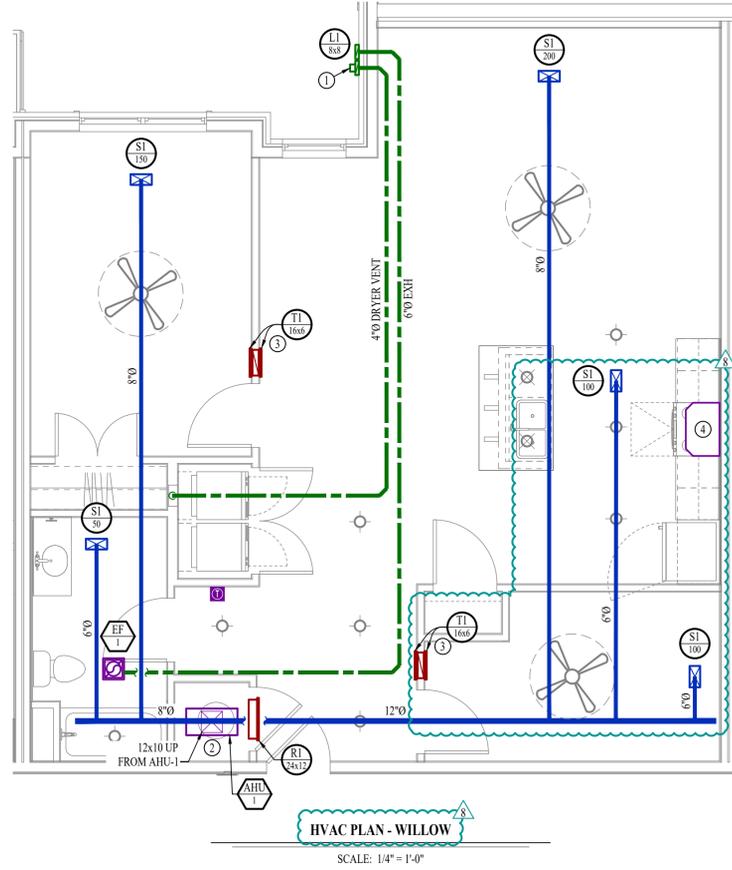
- EQUIPMENT TYPE (REFER TO EQUIPMENT SCHEDULE)
- EQUIPMENT REFERENCE NUMBER
- DIFFUSER/GRILLE TYPE (REFER TO SCHEDULE)
- CUBIC FEET PER MINUTE (CFM) / FACE SIZE
- SUPPLY DUCTWORK
- RETURN DUCTWORK
- EXHAUST DUCTWORK
- FLEX DUCT
- SUPPLY DIFFUSER (HATCH INDICATES "NO FLOW ZONE")
- RETURN DIFFUSER
- BALANCE 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.
- 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 - WILLOW
SCALE: 1/4" = 1'-0"

PLUMBING PLAN SYMBOL LEGEND

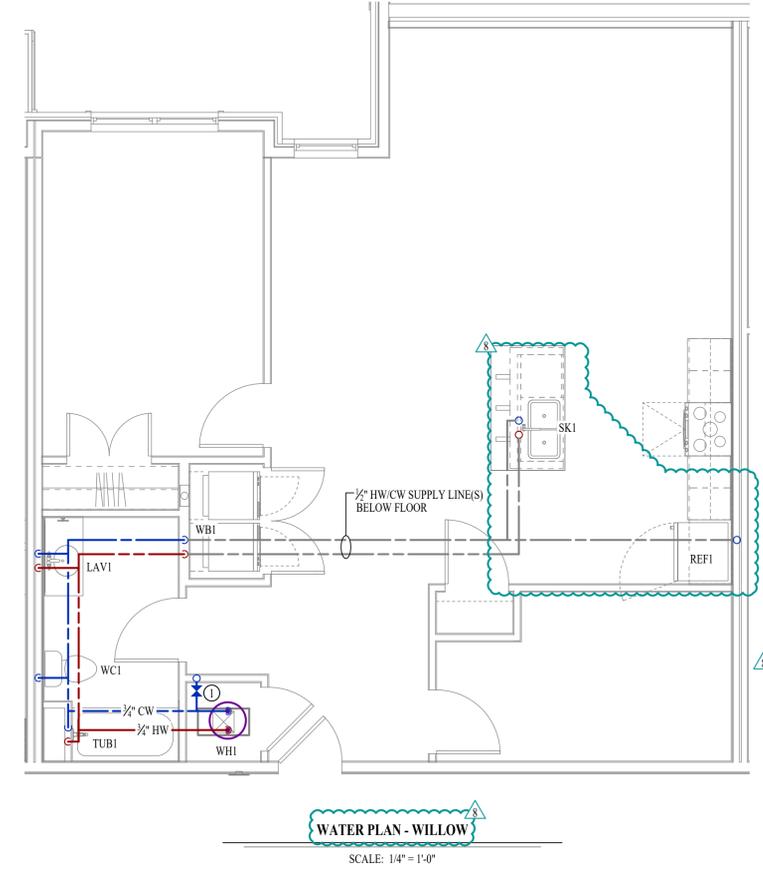
- COLD WATER LINE
- HOT WATER LINE
- VALVE
- PIPING TURNED DOWN / TURNED UP

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

POWER PLAN SYMBOL LEGEND

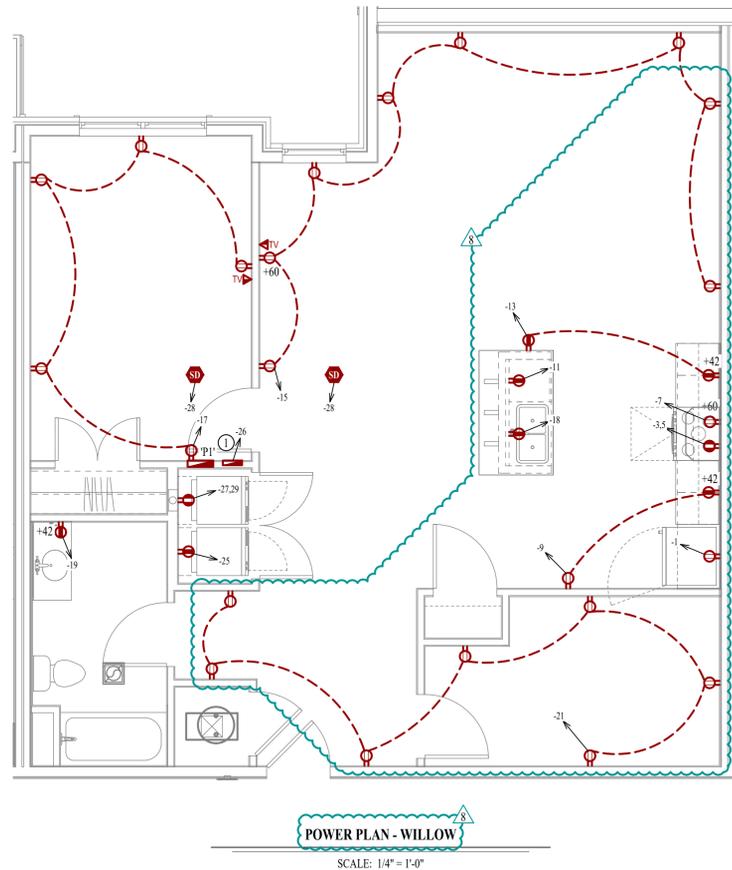
- CIRCUIT WIRING
- CIRCUIT TAG
- JUNCTION BOX
- RECEPTACLE
- INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX (STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
- "WP" = WEATHERPROOF OUTDOOR RECEPTACLE
- GFCI DUPLEX CONVENIENCE RECEPTACLE
- 208V RECEPTACLE
- QUADPLEX CONVENIENCE RECEPTACLE
- DISCONNECT
- 120V IONIZATION 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.



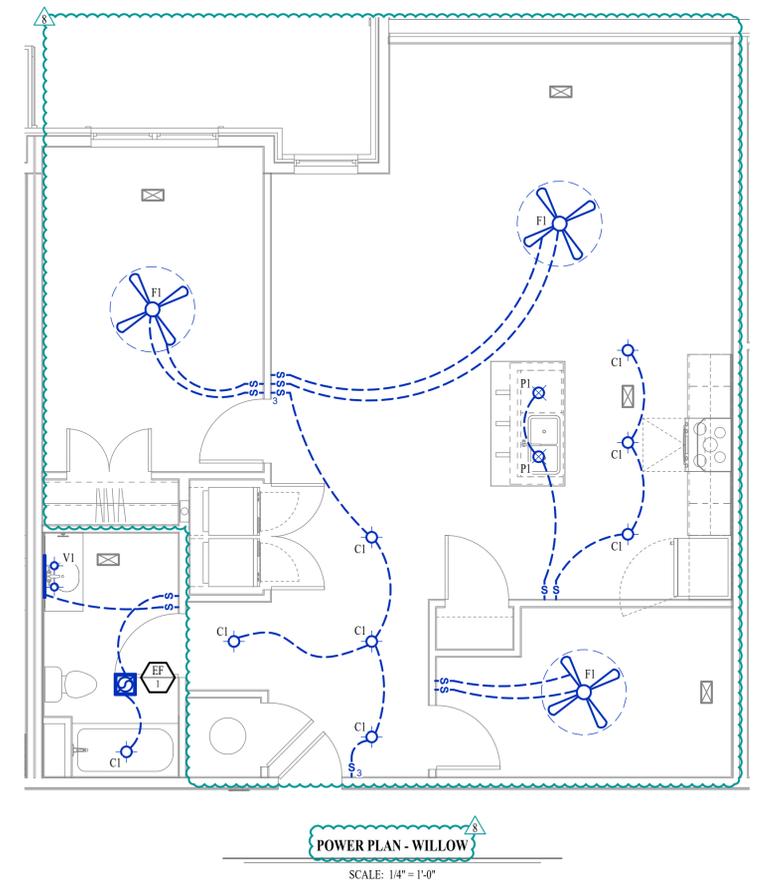
POWER PLAN - WILLOW
SCALE: 1/4" = 1'-0"

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



James Watson, P.E. February 20, 2026
PE-2015017071
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 TITLE

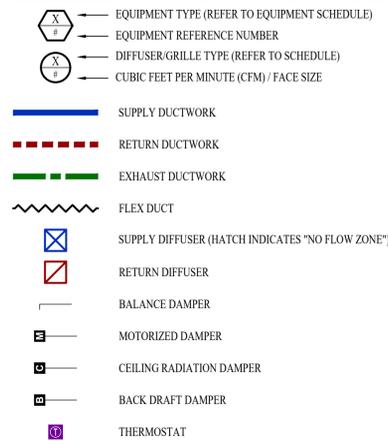
UNIT TYPE WILLOW MEP PLAN

SHEET NUMBER

UMEP1.3

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

HVAC PLAN SYMBOL LEGEND

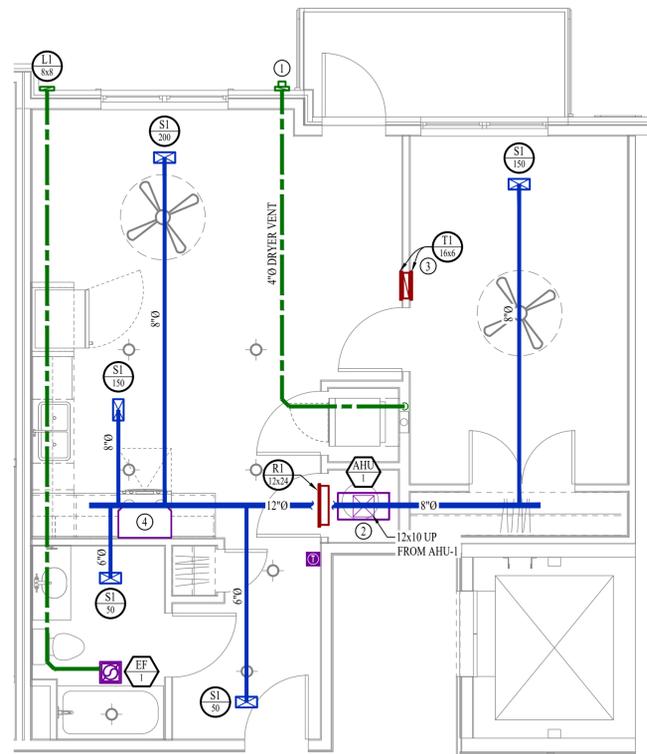


HVAC PLAN GENERAL NOTES:

- 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:

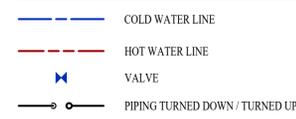
- TERMINATE 4" DRYER EXHAUST WITH VENT EQUAL TO DRYER WALL VENT #DWV4.
- AHU WALL MOUNTED ABOVE WATER HEATER, COORDINATE WITH PLUMBING CONTRACTOR. CONDENSATE TO DISCHARGE IN FLOOR DRAIN WITHIN CLOSET.
- H/LOW TRANSFER GRILLE (12" A.F.F. ON BEDROOM SIDE OF WALL; 84" A.F.F. ON OPPOSITE SIDE OF WALL).
-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



HVAC PLAN - MAYA

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

PLUMBING PLAN SYMBOL LEGEND

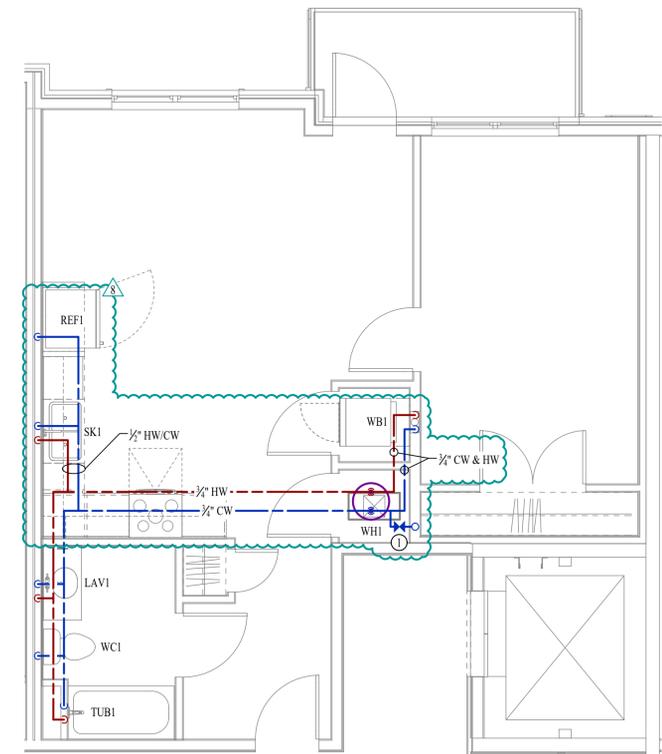


WATER PLAN GENERAL NOTES:

- 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:

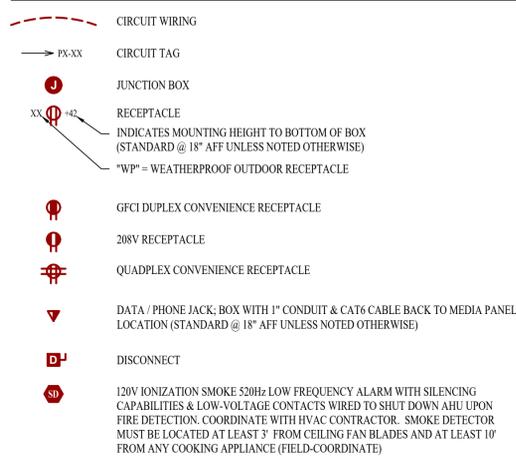
- 1" CW PIPE UP FROM BELOW WITH SHUT-OFF VALVE IN ACCESSIBLE LOCATION. SEE OVERALL PLUMBING PLANS FOR DETAILS.



WATER PLAN - MAYA

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

POWER PLAN SYMBOL LEGEND

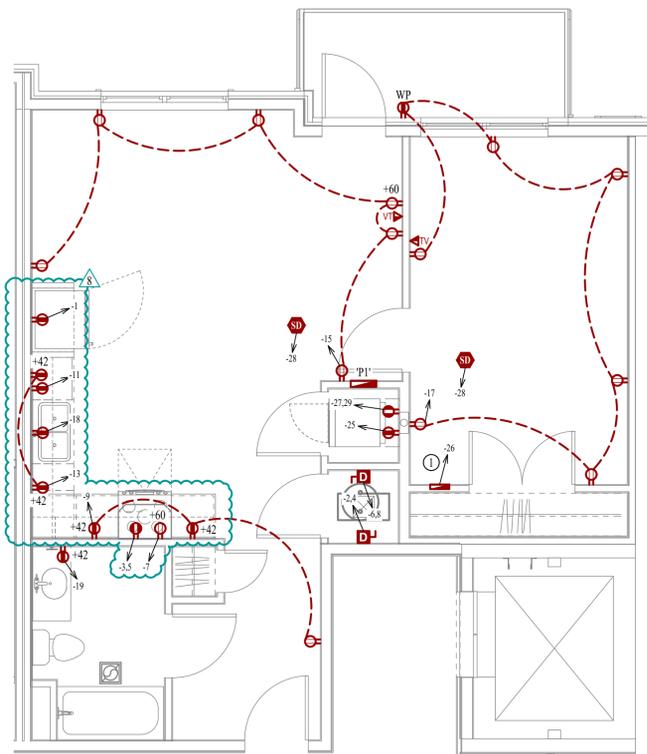


POWER PLAN GENERAL NOTES:

- 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:

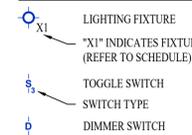
- MEDIA PANEL LOCATION; DATA/TV WIRING TO TERMINATE AT THIS LOCATION. DETERMINE EXACT LOCATION & DETAILS WITH OWNER PRIOR TO INSTALLATION.



POWER PLAN - MAYA

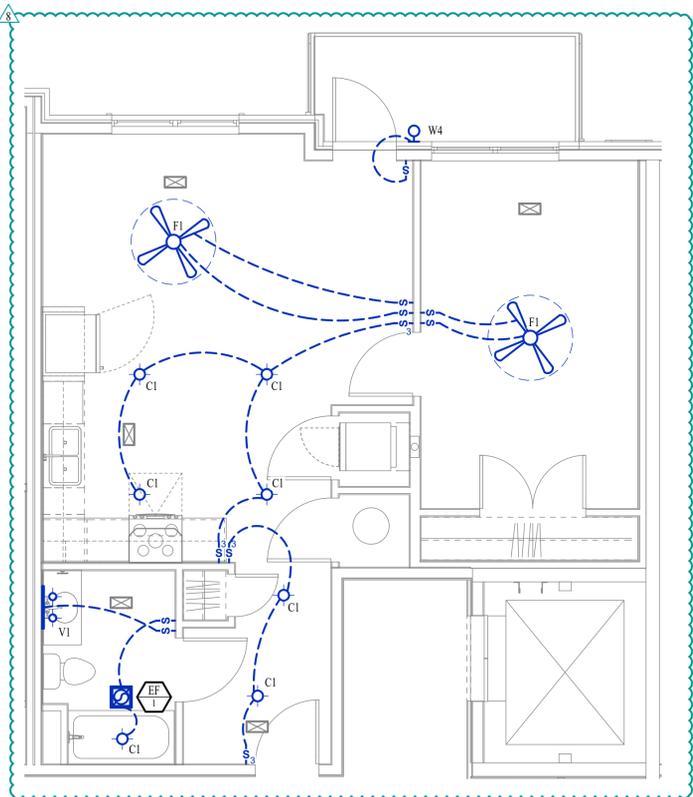
SCALE: 1/4" = 1'-0"

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.



POWER PLAN - MAYA

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



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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

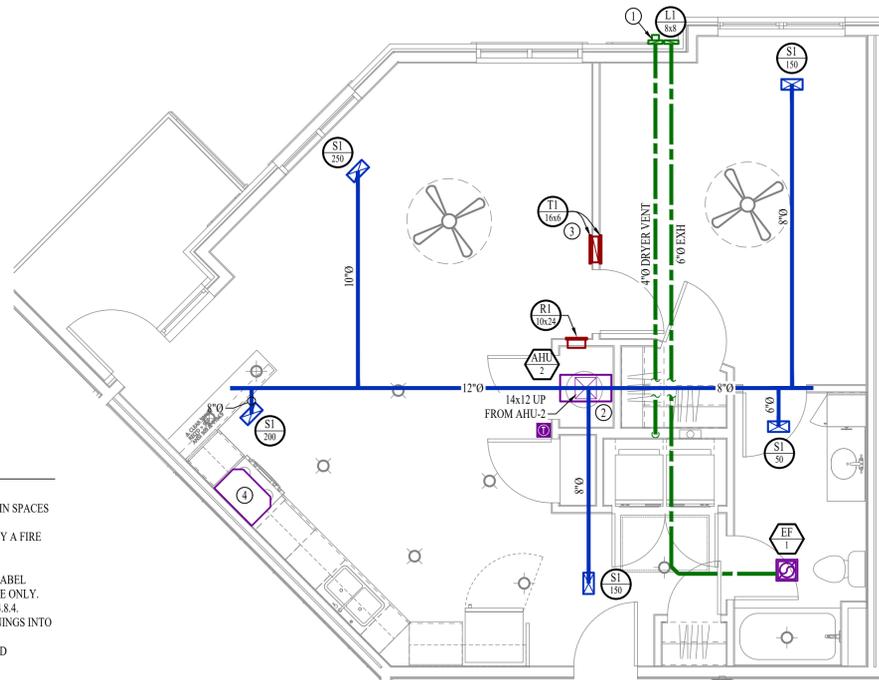
- EQUIPMENT TYPE (REFER TO EQUIPMENT SCHEDULE)
- EQUIPMENT REFERENCE NUMBER
- DIFFUSER/GRILLE TYPE (REFER TO SCHEDULE)
- CUBIC FEET PER MINUTE (CFM) / FACE SIZE
- SUPPLY DUCTWORK
- RETURN DUCTWORK
- EXHAUST DUCTWORK
- FLEX DUCT
- SUPPLY DIFFUSER (HATCH INDICATES "NO FLOW ZONE")
- RETURN DIFFUSER
- BALANCE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

- 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 - DELTA

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

PLUMBING PLAN SYMBOL LEGEND

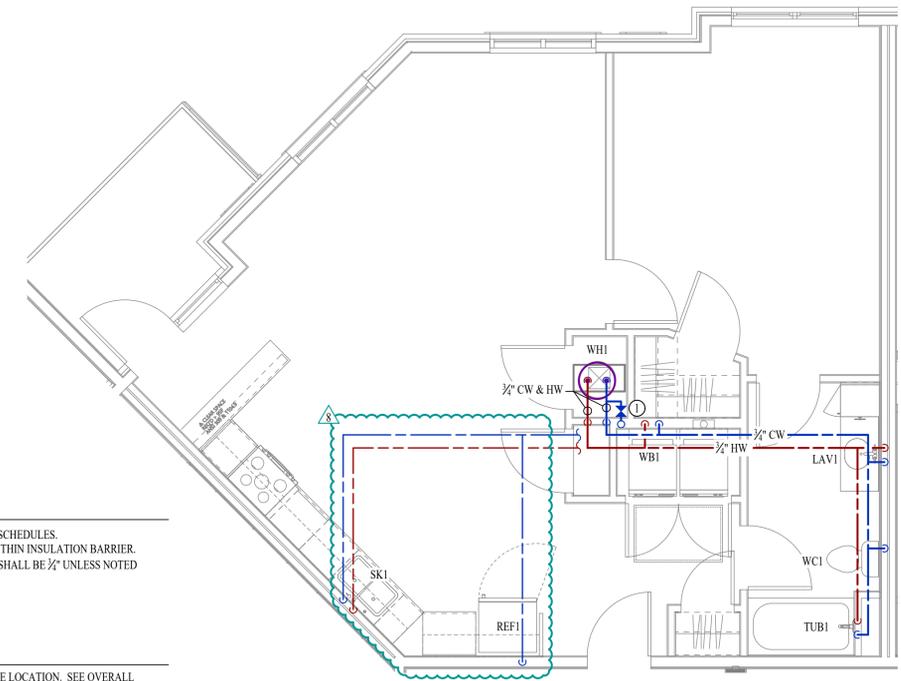
- COLD WATER LINE
- HOT WATER LINE
- VALVE
- PIPING TURNED DOWN / TURNED UP

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 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

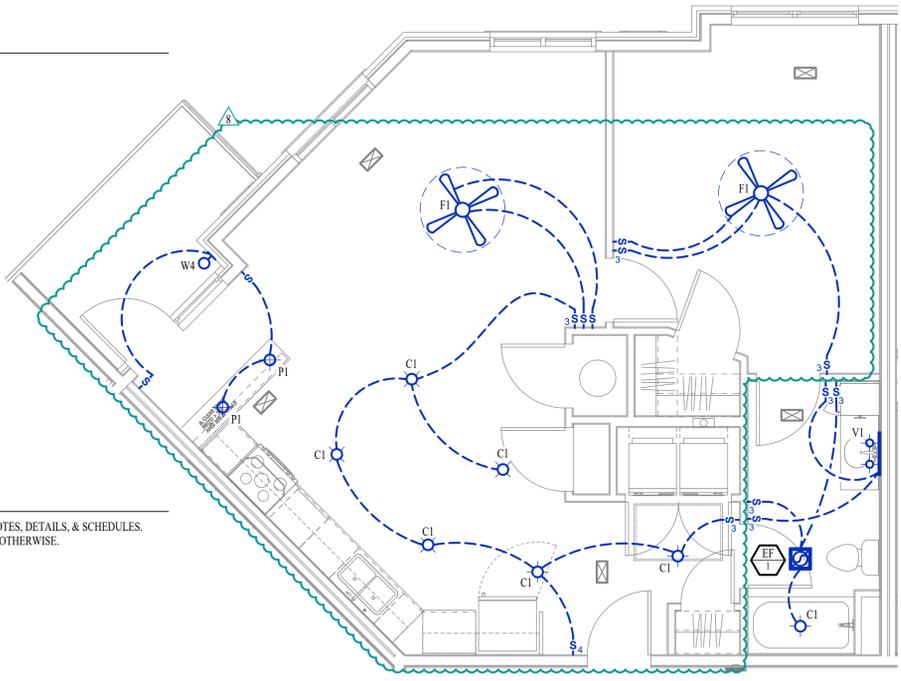
SCALE: 1/4" = 1'-0"

LIGHTING PLAN SYMBOL LEGEND

- LIGHTING 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 - DELTA

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



James Watson, P.E. February 20, 2026
PE-2015017071
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 TITLE

UNIT TYPE
DELTA
MEP PLAN

SHEET NUMBER

UMEP1.7

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