

THE VILLAGE AT DISCOVERY - LOT 7

LEE'S SUMMIT, MO

PRINTS ISSUED
11/12/24 - CITY SUBMITTAL

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

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INTERIOR DESIGN
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DENVER ■ KANSAS CITY ■ ST. LOUIS ■ ATLANTA

THE VILLAGE AT DISCOVERY - LOT 7

1920 NE DISCOVERY AVE
LEE'S SUMMIT, MO 64064

SHEET TITLE
TITLE SHEET

PROJECT NUMBER: 23103

SHEET NUMBER:

PROJECT CERTIFICATION

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

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

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

SEAL

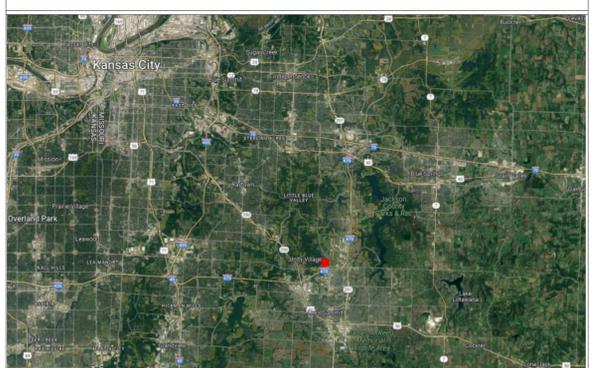


David E. Hendrikse, AIA

REGIONAL MAP



VICINITY MAP



THE VILLAGE AT DISCOVERY - LOT 7

LEE'S SUMMIT, MO



SHEET INDEX

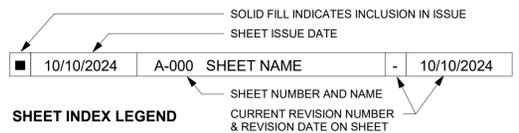
GENERAL							ARCHITECTURAL						
Sheet Issue Date	Sheet Number	Sheet Name	Rev.	Current	Revision Date		Sheet Issue Date	Sheet Number	Sheet Name	Rev.	Current	Revision Date	
11/12/24	G-001	TITLE SHEET	6	02/20/26			11/12/24	A-201	FIRST FLOOR PLAN	6	03/14/25		
11/12/24	G-001	SHEET INDEX (CONT.)	4	03/14/25			11/12/24	A-102	SECOND FLOOR PLAN	6	02/20/26		
11/12/24	G-002	GENERAL INFORMATION					11/12/24	A-103	THIRD FLOOR PLAN	6	02/20/26		
11/12/24	G-003	PLAN GENERAL NOTES					11/12/24	A-106	ROOF PLAN	3	02/17/25		
11/12/24	G-004	GENERAL INFORMATION					11/12/24	A-106	ROOFING & FLASHING DETAILS				
11/12/24	G-005	GENERAL INFORMATION					11/12/24	A-110	ENLARGED PLAN - 1ST FLOOR ZONE A	4	03/14/25		
11/12/24	G-006	GENERAL INFORMATION					11/12/24	A-111	ENLARGED PLAN - 1ST FLOOR ZONE B	6	02/20/26		
11/12/24	G-007	GENERAL INFORMATION					11/12/24	A-112	ENLARGED PLAN - 2ND FLOOR ZONE A	6	02/20/26		
11/12/24	G-100	CODE ANALYSIS	6	02/20/26			11/12/24	A-114	ENLARGED PLAN - 2ND FLOOR ZONE B	6	02/20/26		
11/12/24	G-101	PARTITION ASSEMBLIES - WALLS	4	03/14/25			11/12/24	A-114	ENLARGED PLAN - 3RD FLOOR ZONE A	6	02/20/26		
11/12/24	G-102	PARTITION ASSEMBLIES - WALL/ROOF/FLOOR/CEILING	4	03/14/25			11/12/24	A-115	ENLARGED PLAN - 3RD FLOOR ZONE B	6	02/20/26		
11/12/24	G-200	UL ASSEMBLIES - D916					11/12/24	A-120	REFLECTED CEILING PLANS	6	02/20/26		
11/12/24	G-201	UL ASSEMBLIES - D916 / L546 / GA2750					11/12/24	A-200	EXTERIOR ELEVATIONS	4	03/14/25		
11/12/24	G-202	UL ASSEMBLIES - L546					11/12/24	A-201	EXTERIOR ELEVATIONS				
11/12/24	G-203	UL ASSEMBLIES - L546 / P545					11/12/24	A-300	BUILDING SECTIONS				
11/12/24	G-204	UL ASSEMBLIES - P545					11/12/24	A-301	WALL SECTIONS	4	03/14/25		
11/12/24	G-205	UL ASSEMBLIES - U305					11/12/24	A-302	ELEVATOR PLANS, SECTIONS & DETAILS				
11/12/24	G-206	UL ASSEMBLIES - U305 / U341					11/12/24	A-303	STAIR 1 - PLANS AND SECTION	4	03/14/25		
11/12/24	G-207	UL ASSEMBLIES - U341 / U415					11/12/24	A-304	STAIR 2 - PLANS AND SECTION	4	03/14/25		
11/12/24	G-208	UL ASSEMBLIES - U415 / U423					11/12/24	A-305	STAIR DETAILS				
11/12/24	G-209	UL ASSEMBLIES - U423 / U905					11/12/24	A-400	ABERDEEN (2 BR) UNIT PLAN - TYPE A	5	03/28/25		
11/12/24	G-210	UL ASSEMBLIES - 263 / X790 / CH.7					11/12/24	A-401	ABERDEEN (2 BR) ALT UNIT PLAN	5	03/28/25		
11/12/24	G-211	UL ASSEMBLIES - L516					11/12/24	A-402	ABERDEEN (2 BR) UNIT PLAN - TYPE B	5	03/28/25		
11/12/24	G-212	UL ASSEMBLIES - L516					11/12/24	A-403	ADRIAN (1 BR) UNIT PLAN	5	03/28/25		
11/12/24	G-213	UL ASSEMBLIES - U356					11/12/24	A-404	MAYA (1 BR) UNIT PLAN	6	02/20/26		
11/12/24	G-300	ACCESSIBILITY STANDARDS					11/12/24	A-405	ARA-ALT (1 BR) UNIT PLAN	5	03/28/25		
11/12/24	G-301	ACCESSIBILITY STANDARDS					11/12/24	A-406	ARA (1 BR) UNIT PLAN	5	03/28/25		
11/12/24	G-302	ACCESSIBILITY STANDARDS					11/12/24	A-407	WILLLOW (1 BR) UNIT PLAN	6	02/20/26		
11/12/24	G-303	ACCESSIBILITY STANDARDS					11/12/24	A-408	DELTA (1 BR) UNIT PLAN	6	02/20/26		
11/12/24	AS-100	ARCHITECTURAL SITE AMENITIES					11/12/24	A-409	HURLEY (2 BR) UNIT PLAN	5	03/28/25		
11/12/24	A-410	LANA (2 BR) UNIT PLAN	4	03/14/25			11/12/24	A-410	LANA (2 BR) UNIT PLAN	4	03/14/25		
11/12/24	A-415	UNIT DETAILS					11/12/24	A-500	WATERPROOFING DETAILS				
11/12/24	A-501	WALL DETAILS					11/12/24	A-501	WALL DETAILS				
11/12/24	A-502	WALL DETAILS	4	03/14/25			11/12/24	A-502	WALL DETAILS	4	03/14/25		
11/12/24	A-503	BRICK DETAILS	4	03/14/25			11/12/24	A-503	BRICK DETAILS	4	03/14/25		
11/12/24	A-504	ELEVATOR DETAILS					11/12/24	A-504	ELEVATOR DETAILS				
11/12/24	A-505	BALCONY & PARAPET DETAILS					11/12/24	A-505	BALCONY & PARAPET DETAILS				
11/12/24	A-506	BALCONY DETAILS					11/12/24	A-506	BALCONY DETAILS				
11/12/24	A-600	WINDOW AND DOOR SCHEDULES	4	03/14/25			11/12/24	A-600	WINDOW AND DOOR SCHEDULES	4	03/14/25		
11/12/24	A-601	TYPICAL STOREFRONT ELEVATIONS	5	03/28/25			11/12/24	A-601	TYPICAL STOREFRONT ELEVATIONS	5	03/28/25		
11/12/24	A-602	DOOR DETAILS					11/12/24	A-602	DOOR DETAILS				
11/12/24	A-603	WINDOW DETAILS					11/12/24	A-603	WINDOW DETAILS				
11/12/24	A-700	FINISH TRANSITION DETAILS					11/12/24	A-700	FINISH TRANSITION DETAILS				
11/12/24	A-711	FIRST & SECOND FLOOR FINISH PLAN					11/12/24	A-711	FIRST & SECOND FLOOR FINISH PLAN				

CIVIL UNDER SEPARATE REVIEW, REFERENCE FDP

STRUCTURAL

Sheet Issue Date	Sheet Number	Sheet Name	Rev.	Current	Revision Date
11/12/24	S001	GENERAL NOTES	5	03/28/25	
11/12/24	S002	GENERAL NOTES			
11/12/24	S003	STRUCTURAL SPECIAL INSPECTIONS SCHEDULES			
11/12/24	S004	SCHEDULES			
11/12/24	S005	LEVEL 2 REINFORCING PLAN			
11/12/24	S006	LOAD PLANS			
11/12/24	S099	FOUNDATION WALL & SLAB ON GRADE DIMENSION PLAN			
11/12/24	S100	FOUNDATION PLAN	5	03/28/25	
11/12/24	S101	LEVEL 1 CANOPY AND GARAGE OPENING FRAMING PLAN	5	03/28/25	
11/12/24	S102A	LEVEL 2 FRAMING PLAN ZONE A	5	03/28/25	
11/12/24	S102B	LEVEL 2 FRAMING PLAN ZONE B	5	03/28/25	
11/12/24	S103	LEVEL 3 FRAMING PLAN	5	03/28/25	
11/12/24	S104	ROOF FRAMING PLAN	5	03/28/25	
11/12/24	S400	ENLARGED VIEWS	5	03/28/25	
11/12/24	S500	TYPICAL CONCRETE DETAILS	5	03/28/25	
11/12/24	S501	FOUNDATION DETAILS	5	03/28/25	
11/12/24	S502	FOUNDATION DETAILS	5	03/28/25	
11/12/24	S503	FOUNDATION DETAILS	5	03/28/25	
11/12/24	S504	PEDESTAL DETAILS	5	03/28/25	
11/12/24	S505	PEDESTAL DETAILS	5	03/28/25	
11/12/24	S510	TYPICAL STEEL DETAILS	5	03/28/25	
11/12/24	S511	TYPICAL MASONRY DETAILS	5	03/28/25	
11/12/24	S520	PODIUM FRAMING DETAILS	5	03/28/25	
11/12/24	S521	PODIUM FRAMING DETAILS	5	03/28/25	
11/12/24	S522	PODIUM FRAMING DETAILS	5	03/28/25	
11/12/24	S523	PODIUM FRAMING DETAILS	5	03/28/25	
11/12/24	S524	FRAMING AT TYPICAL GARAGE WALL OPENING	5	03/28/25	
11/12/24	S530	TYPICAL WOOD FRAMING DETAILS	5	03/28/25	
11/12/24	S531	WOOD FLOOR FRAMING DETAILS	5	03/28/25	
11/12/24	S532	WOOD FLOOR FRAMING DETAILS	5	03/28/25	
11/12/24	S540	WOOD ROOF FRAMING DETAILS	5	03/28/25	
11/12/24	S541	WOOD ROOF FRAMING DETAILS	5	03/28/25	
11/12/24	S550	SHEAR WALL DETAILS	5	03/28/25	
11/12/24	S560	TYPICAL BALCONY PLANS AND DETAILS - LEVEL 2	5	03/28/25	
11/12/24	S561	TYPICAL BALCONY PLANS AND DETAILS - LEVEL 3	5	03/28/25	
11/12/24	S562	ADDITIONAL BALCONY PLANS - LEVELS 2 AND 3	5	03/28/25	
11/12/24	S563	ADDITIONAL BALCONY DETAILS	5	03/28/25	
11/12/24	S564	MAIN ENTRY BALCONY LEVEL 2/ LEVEL 3	5	03/28/25	

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"

HIVU UNITS (2%): (1) UNITS - ADRIAN "HIVU" (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 "HIVU" (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.

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

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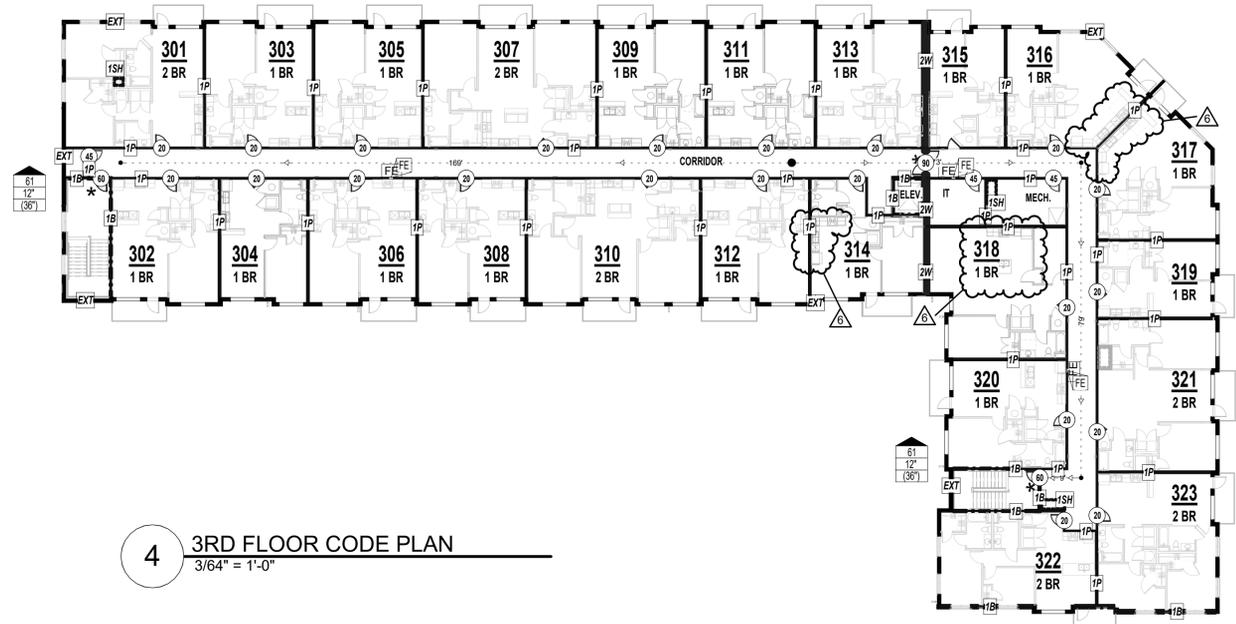
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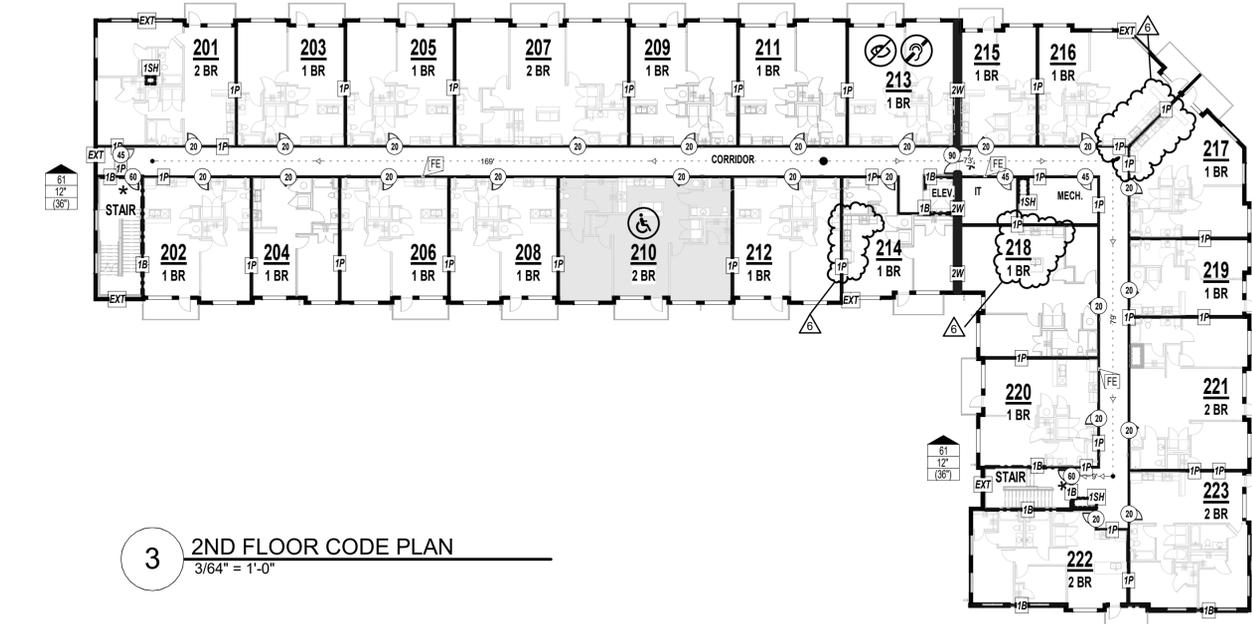
CONTACT: BRIAN MAENNER
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STRUCTURAL ENGINEER</

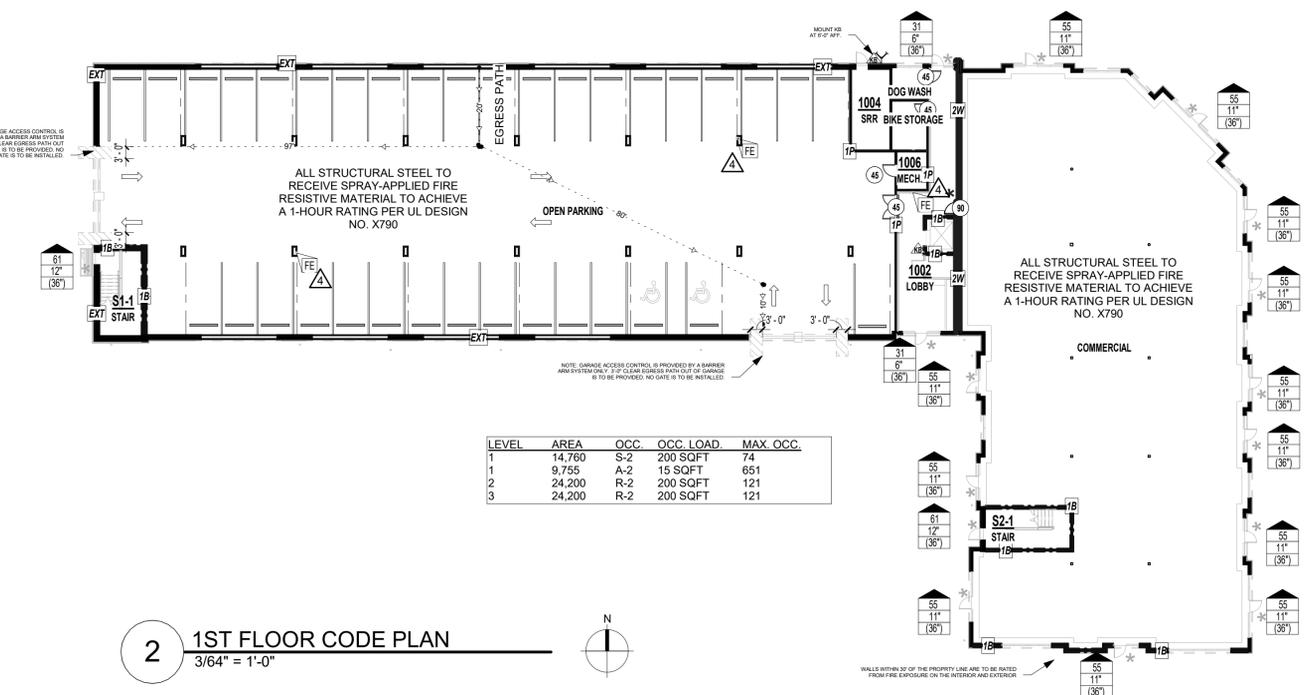


4 3RD FLOOR CODE PLAN
3/64" = 1'-0"

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

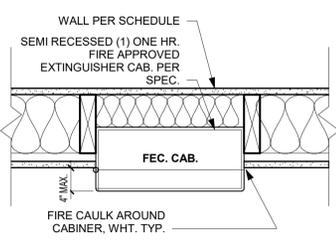


3 2ND FLOOR CODE PLAN
3/64" = 1'-0"



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

PROJECT NAME:		THE VILLAGE AT DISCOVERY - LOT 4	
PROJECT LOCATION:		LEE'S SUMMIT, MO	
CODE:		2018 IBC	
CODE REVIEW COMPLETED BY:		A.J. DOLPH	
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:	WALLS SEPARATING SLEEPING UNITS TO BE FIRE PARTITIONS PER SECTION 708		
420.2 SEPARATION WALLS:			
420.3 HORIZONTAL SEPARATION:	FLOORS SEPARATING SLEEPING UNITS TO BE HORIZONTAL ASSEMBLY PER SECTION 711		
420.4 AUTOMATIC SPRINKLER:	13R PER 903.3.1.2 FOR R		
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 I)] Aa = [12,000 + (12,000 x 0.75)] Aa = 21,000		
506.3 FRONTAGE INCREASE:	W = (Ln x Wn) / F W = (100 x 30) / 100 W = 30		
506.3.3 AMOUNT OF INCREASE:	If = [F/P - 0.25]W/30 If = [100/100 - 0.25]30/30 If = 0.75		
TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES:	R - R: 1 HOUR R - A: 1 HOUR R - S: 1 HOUR A - A: 0 HOUR A - S: 0 HOUR S - S: 0 HOUR		
TABLE 509 INCIDENTAL USES:	LAUNDRY > 100 SF, 1HR STORAGE > 100 SF, 1HR		
CHAPTER SIX			
TABLE 601 FIRE RESISTANCE REQS. FOR BUILDING ELEMENTS (HOURS):	CONSTRUCTION TYPE VA & IIA PRIMARY STRUCTURAL FRAME: 1 HOUR INTERIOR BEARING WALL: 1 HOUR EXTERIOR BEARING WALL: 0 HOUR NON-BEARING WALL: 1 HOUR FLOOR CONSTRUCTION: 1 HOUR ROOF CONSTRUCTION: 1 HOUR		
TABLE 602 FIRE RESISTANCE REQS. FOR EXTERIOR WALLS BASED ON FIRE SEP. DISTANCE:	0 HOUR < 30 FEET, 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		
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		



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

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 (SEE 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
	FIRE CAULK AROUND CABINER, WHT. TYP.		EGRESS DIRECTION OF TRAVEL

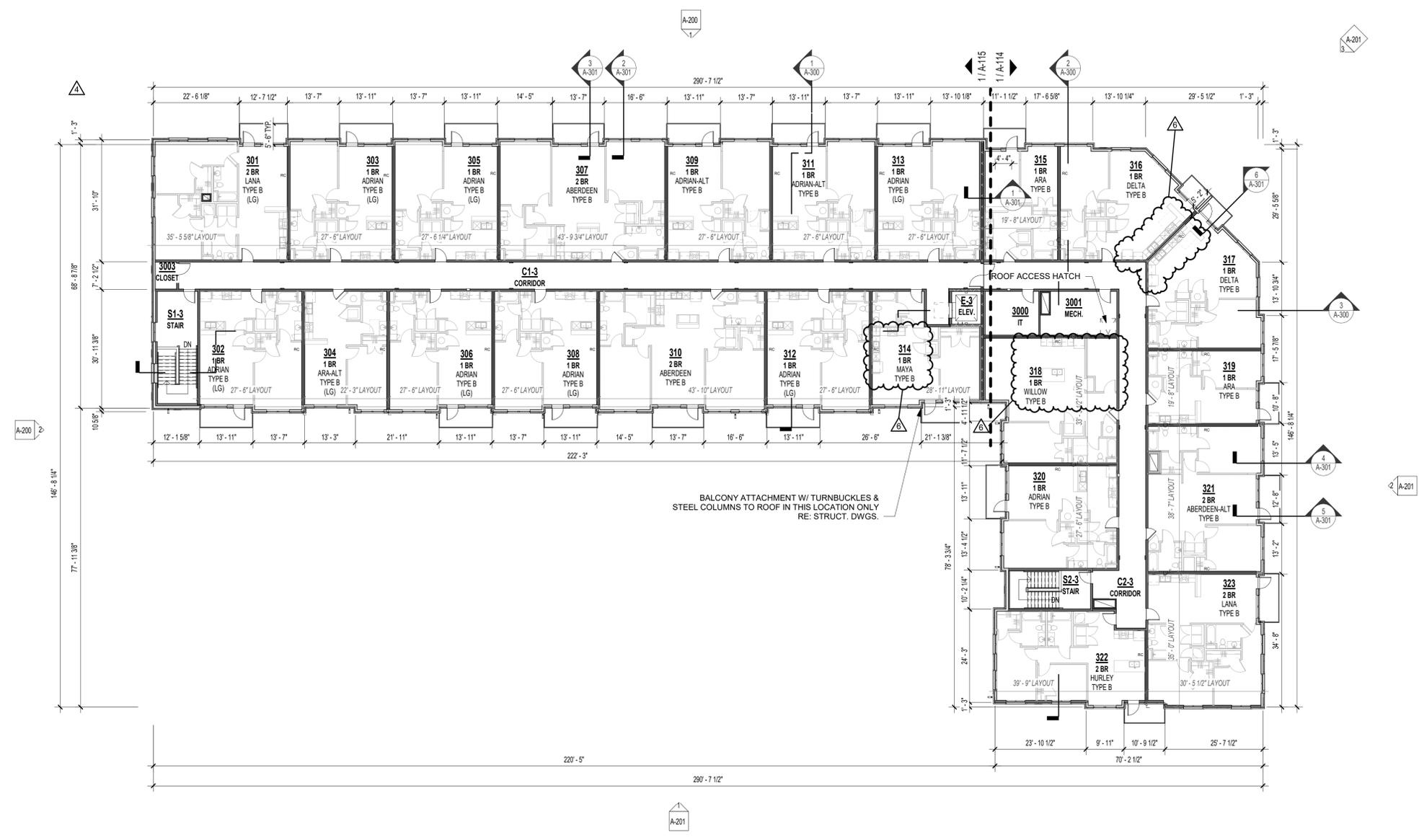
REFERENCE G-003 FOR GENERAL NOTES
 REFERENCE A-101 FOR PLAN LEGEND
 REFERENCE A-102 FOR UNIT SHEET REFERENCE

PRINTS ISSUED
 11/12/24 - CITY SUBMITTAL

REVISIONS:
 4 03/14/25 ASI 7.2
 6 02/20/26 CHANGES TO APPROVED PLANS

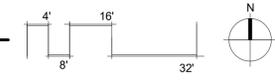
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BALCONY ATTACHMENT W/ TURNBUCKLES & STEEL COLUMNS TO ROOF IN THIS LOCATION ONLY RE: STRUCT. DWGS.

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



**THE VILLAGE AT DISCOVERY -
 LOT 7**

LEE'S SUMMIT, MO

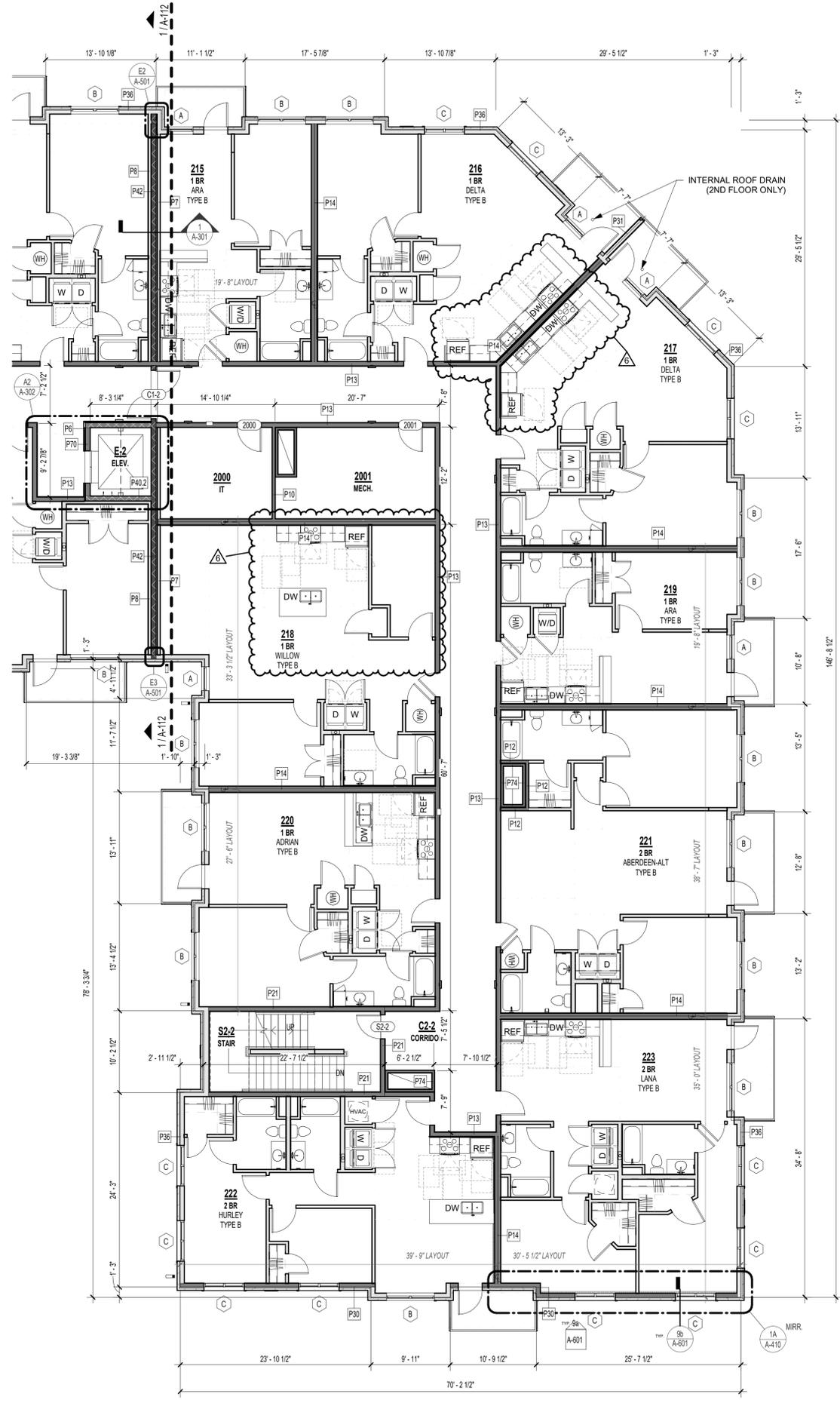
SHEET TITLE
 THIRD FLOOR PLAN

PROJECT NUMBER: 23103

SHEET NUMBER:

A-103

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 REVISIONS:
 6 02/20/26 CHANGES TO APPROVED PLANS



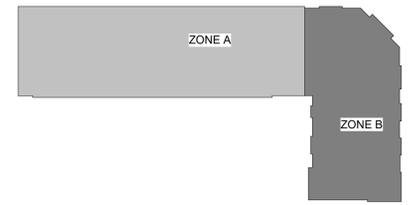
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**THE VILLAGE AT DISCOVERY -
 LOT 7
 LEE'S SUMMIT, MO**

SHEET TITLE
 ENLARGED PLAN - 2ND FLOOR
 ZONE B
 PROJECT NUMBER: 23103
 SHEET NUMBER:

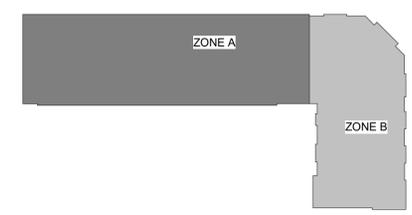


A-113

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



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



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**THE VILLAGE AT DISCOVERY -
 LOT 7**

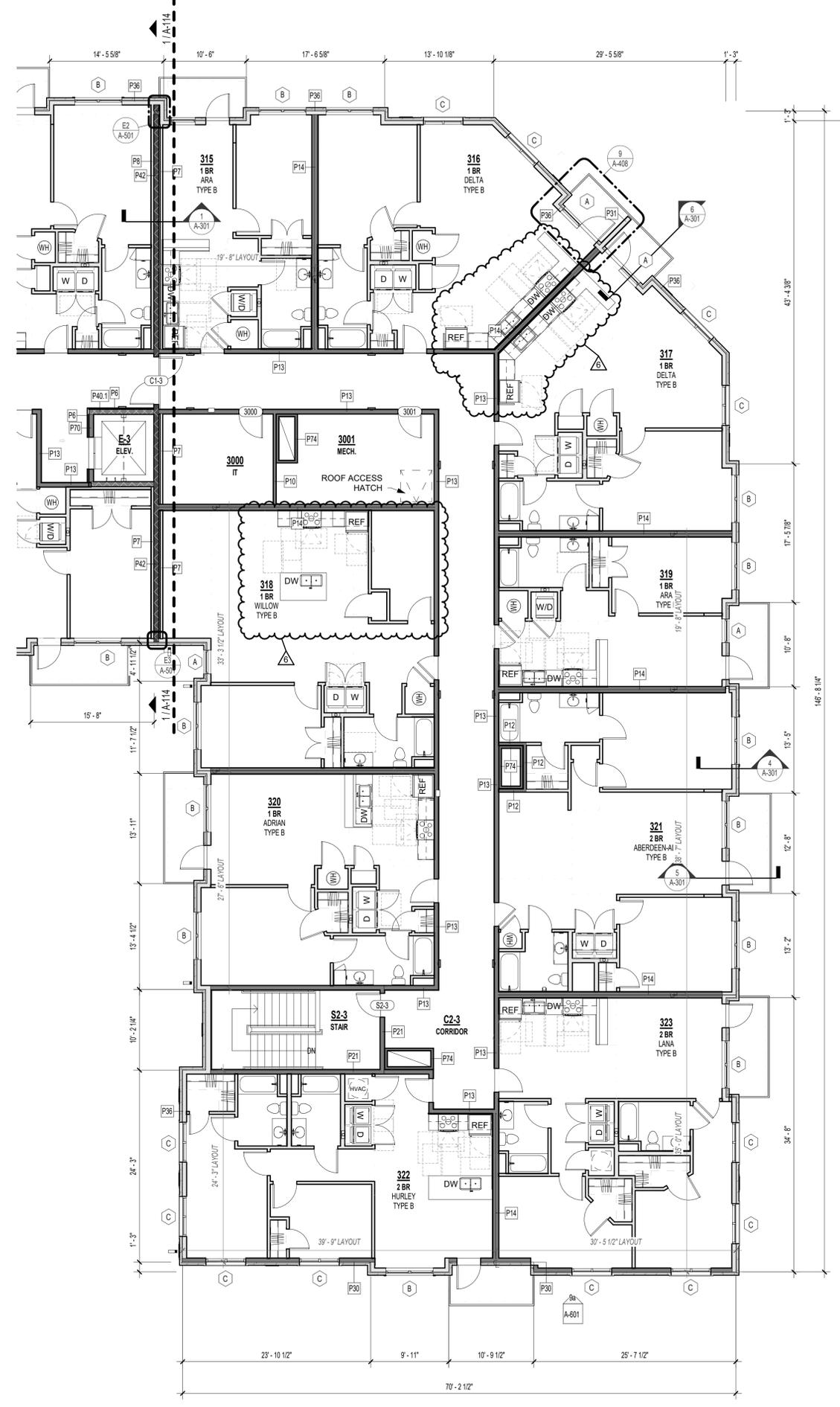
LEE'S SUMMIT, MO

SHEET TITLE
 ENLARGED PLAN - 3RD FLOOR
 ZONE A

PROJECT NUMBER: 23103

SHEET NUMBER:

A-114

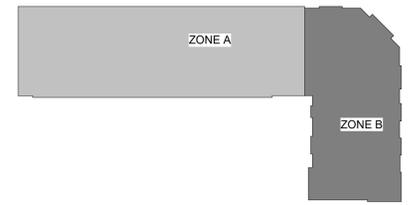


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**THE VILLAGE AT DISCOVERY -
 LOT 7
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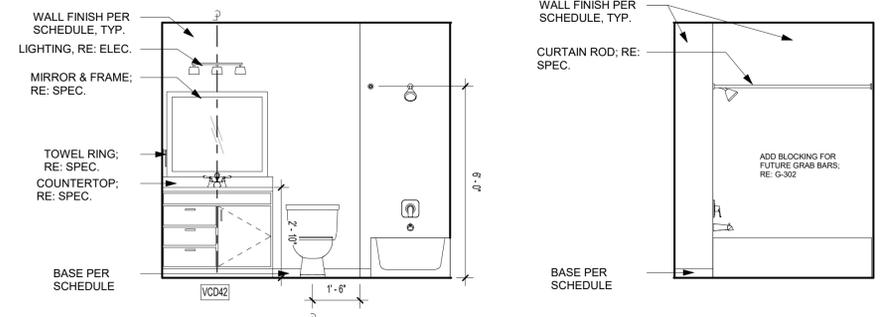
SHEET TITLE
 ENLARGED PLAN - 3RD FLOOR
 ZONE B
 PROJECT NUMBER: 23103
 SHEET NUMBER:

A-115

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

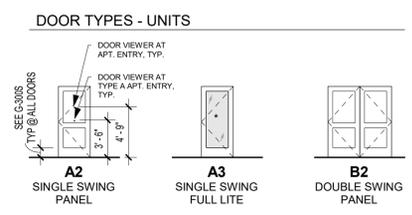
PROF SEAL ADDED
 REFERENCE G-003 FOR GENERAL NOTES
 REFERENCE A-120 FOR RCP LEGEND
 REFERENCE A-400 FOR UNIT PLAN LEGEND
 REFERENCE A-102 & A-103 FOR RC LOCATIONS

PRINTS ISSUED
 11/12/24 - CITY SUBMITTAL
 REVISIONS:
 2 12/20/24 Add #2
 5 03/28/25 ASI 7.3
 6 02/20/26 CHANGES TO APPROVED PLANS

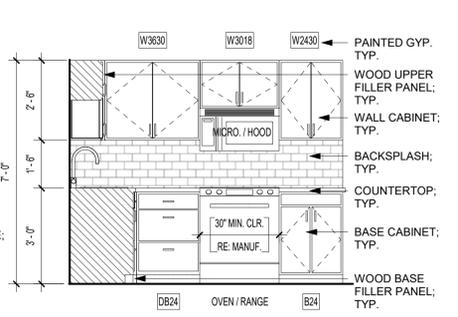
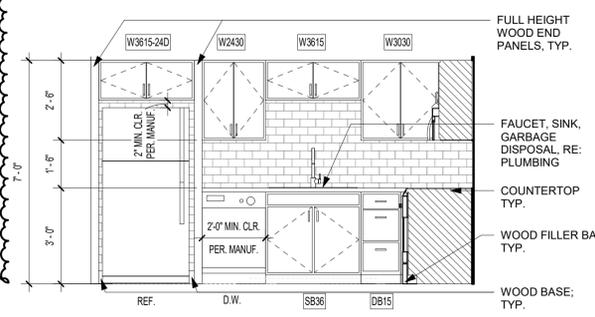


8 MAYA BATH ELEV. 2
 3/8" = 1'-0"

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



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

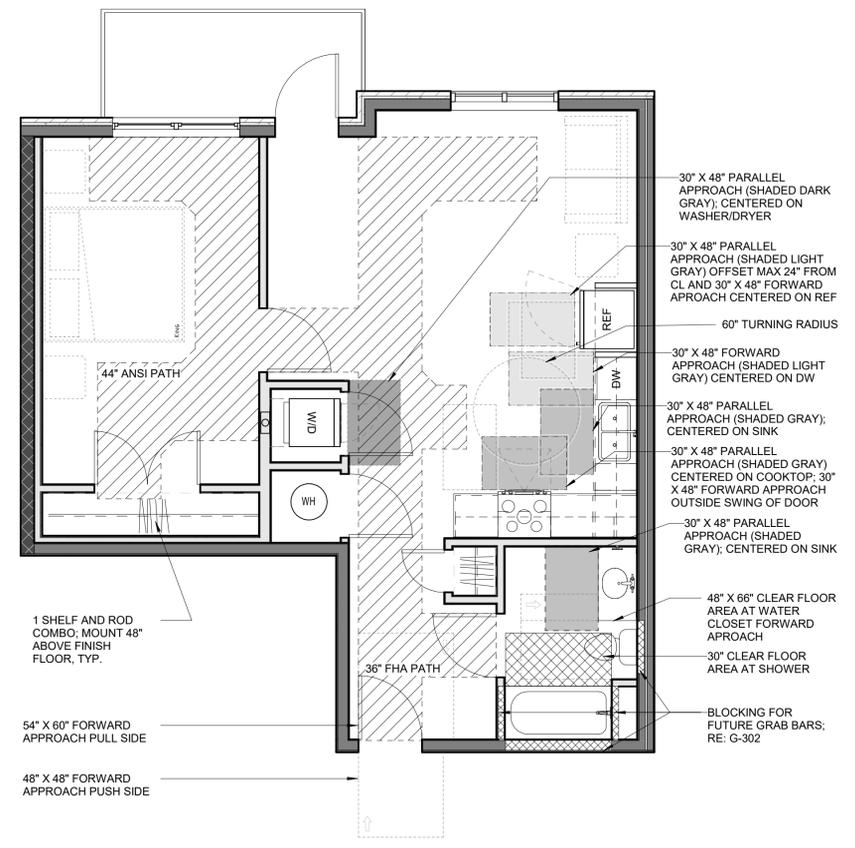
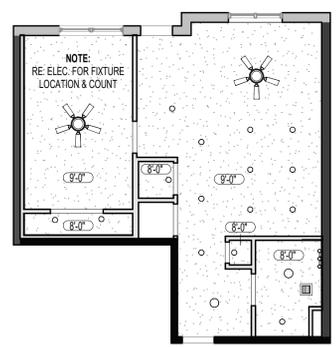
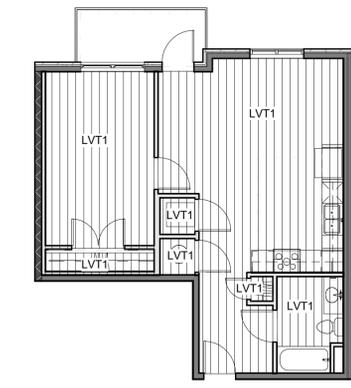


DOOR SCHEDULE - UNITS (MAYA)								
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3'-0"	6'-8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3'-0"	6'-8"	1 3/8"		A2	PH	
005	MECH.	3'-0"	6'-8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D.
006	LAUNDRY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

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

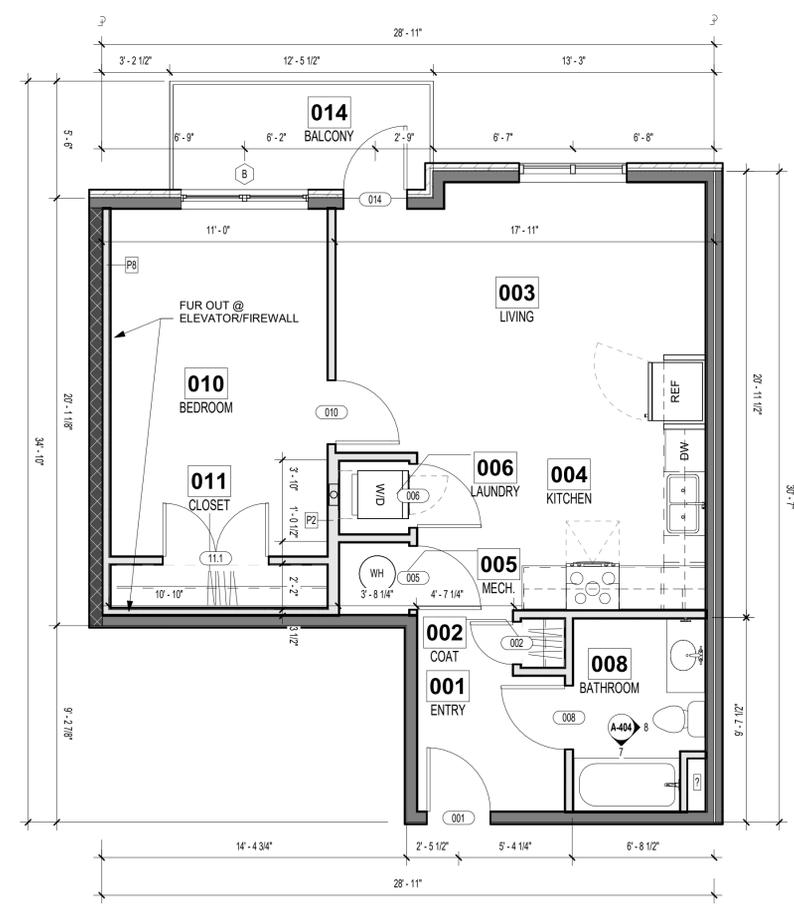
5 MAYA KIT. ELEV. 1
 3/8" = 1'-0"

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



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

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



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

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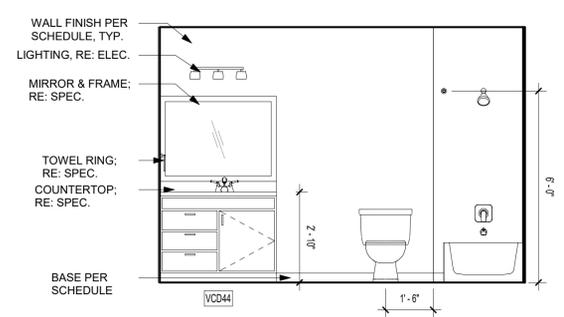
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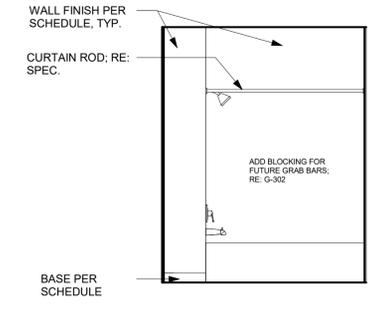
THE VILLAGE AT DISCOVERY -
 LOT 7
 LEE'S SUMMIT, MO

SHEET TITLE
 MAYA (1 BR) UNIT PLAN
 PROJECT NUMBER: 23103
 SHEET NUMBER:

A-404

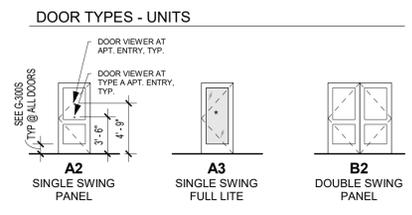


7 WILLOW BATH ELEV. 2
 3/8" = 1'-0"



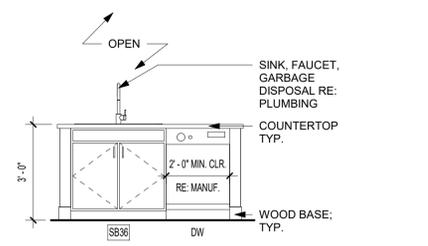
6 WILLOW BATH ELEV. 1
 3/8" = 1'-0"

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

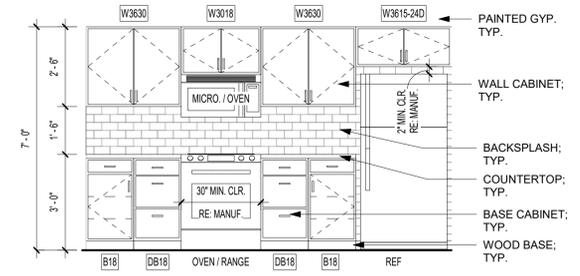


Room Finish Schedule - Units						
#	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1	WB, PT3	PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1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

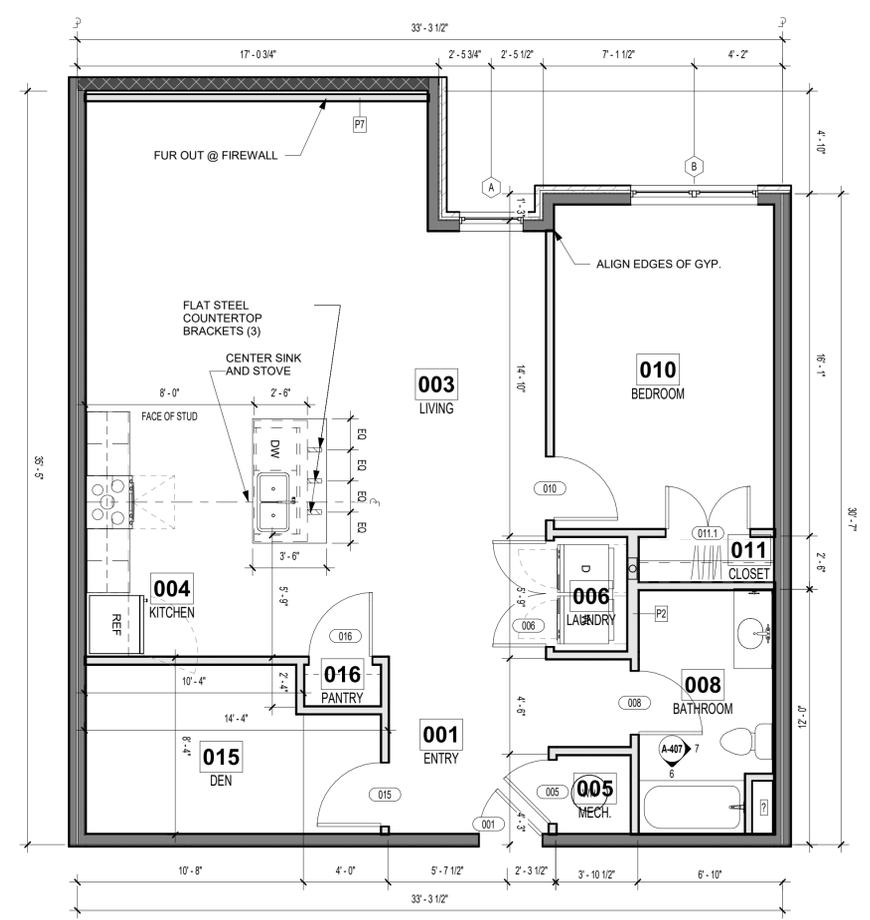
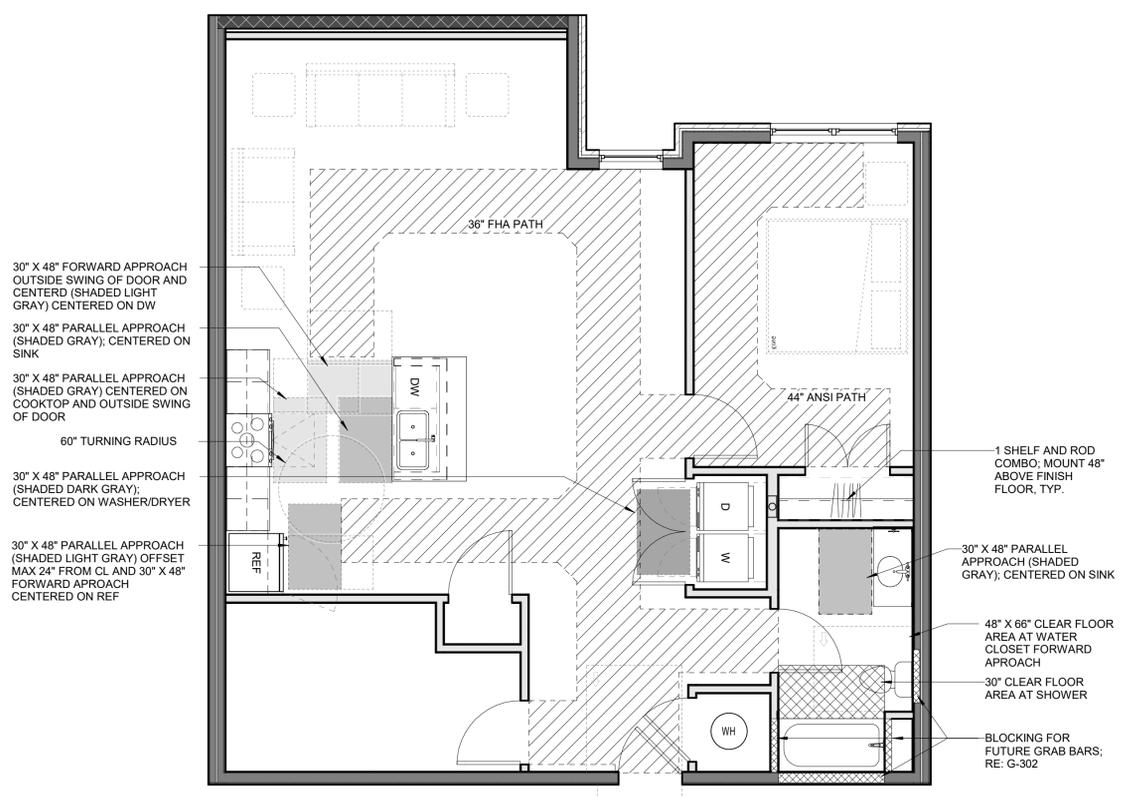
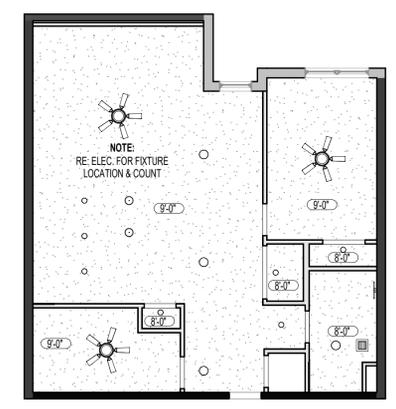
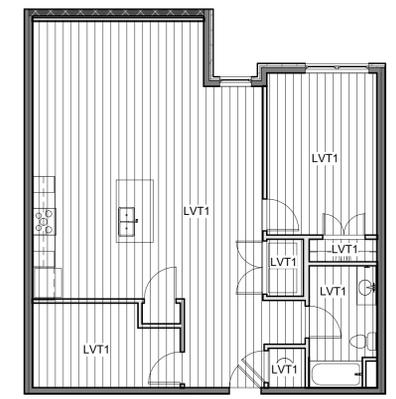
DOOR SCHEDULE - UNIT DOORS (WILLOW)								
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3'-0"	6'-8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
005	MECH.	3'-0"	6'-8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D.
006	LAUNDRY	5'-0"	6'-8"	1 3/8"		B2	PH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



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



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



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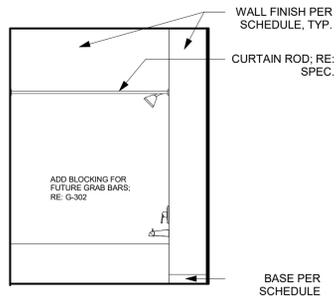
LEE'S SUMMIT, MO

SHEET TITLE
 WILLOW (1 BR) UNIT PLAN

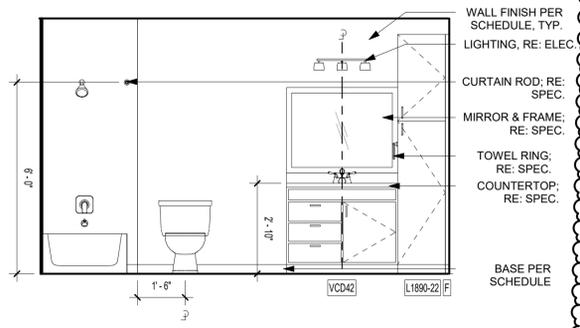
PROJECT NUMBER: 23103

SHEET NUMBER:

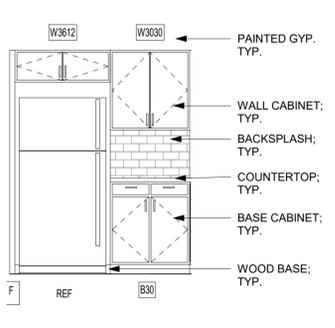
A-407



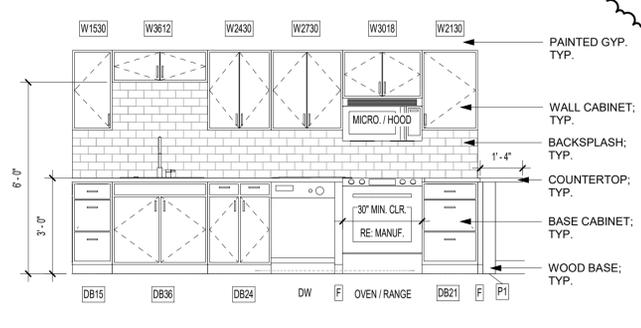
8 DELTA BATH ELEV. 2
 3/8" = 1'-0"



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

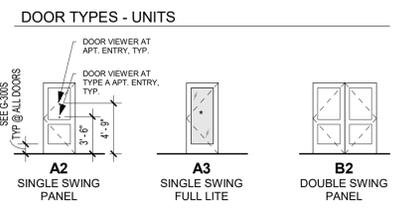


6 DELTA KIT. ELEV. 2
 3/8" = 1'-0" (MIRRORED)



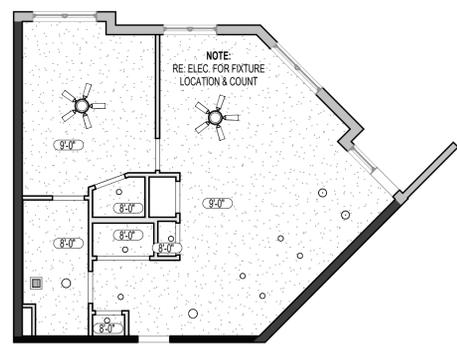
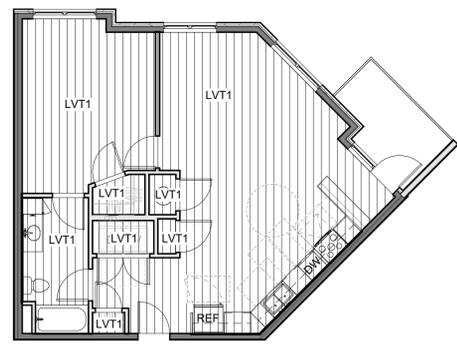
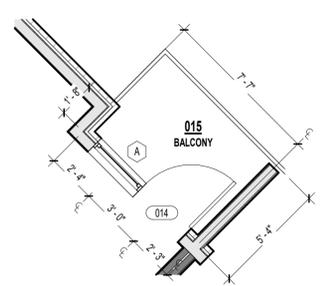
5 DELTA KIT. ELEV. 1
 3/8" = 1'-0" (MIRRORED)

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

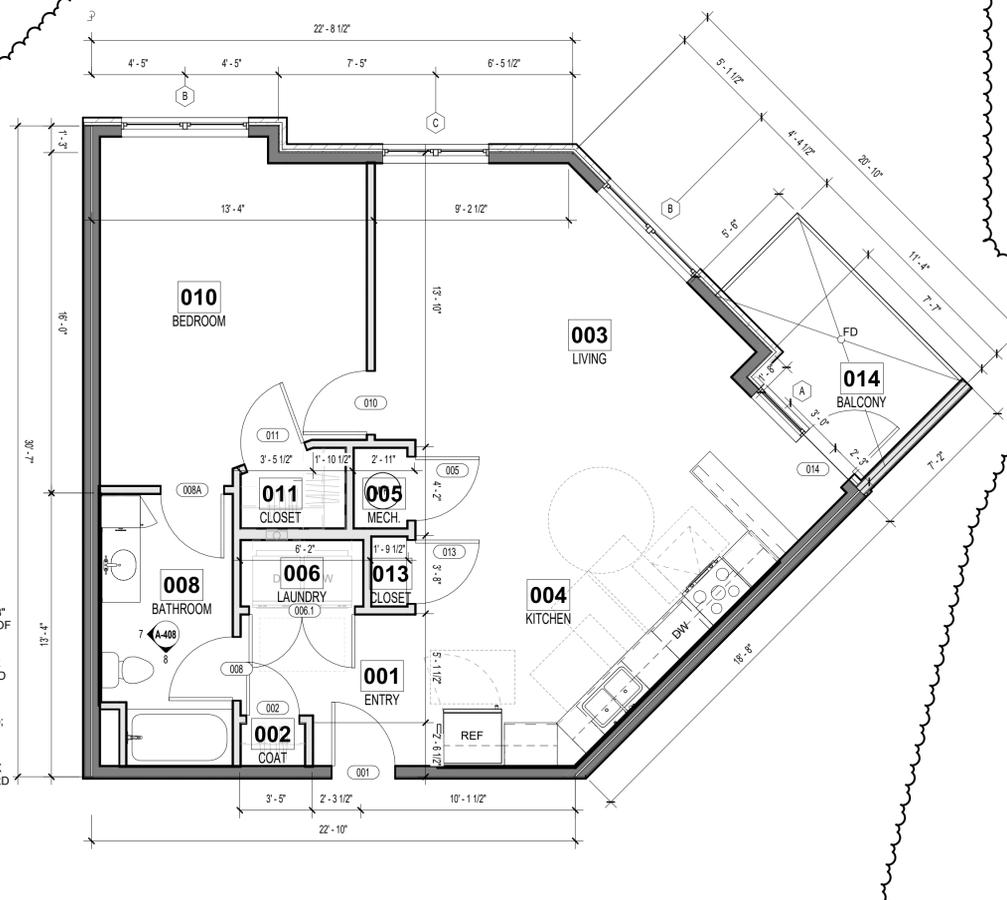
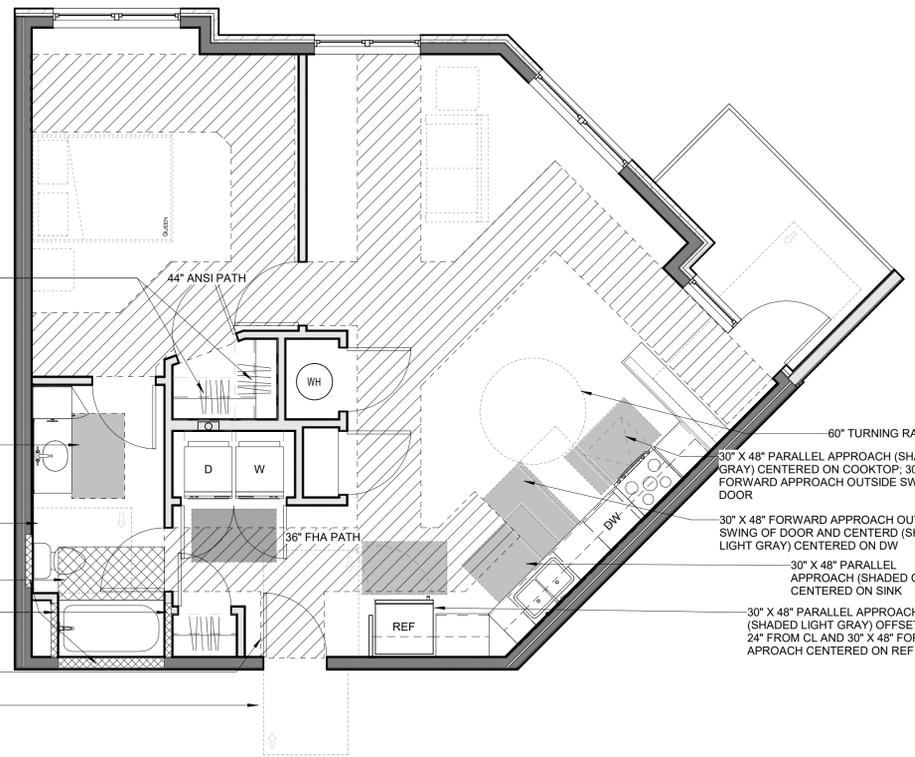


Room Finish Schedule - Units						
#	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
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004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007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

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



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



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



THE VILLAGE AT DISCOVERY - LOT 7
 LEE'S SUMMIT, MO
 SHEET TITLE
 DELTA (1 BR) UNIT PLAN
 PROJECT NUMBER: 23103
 SHEET NUMBER:
A-408



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

SANITARY SEWER PLAN SYMBOL LEGEND

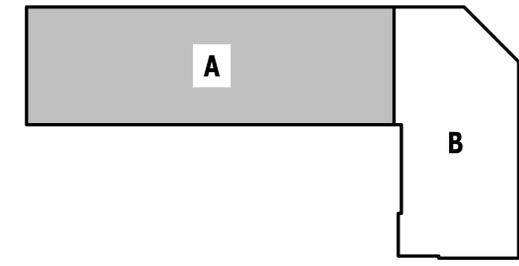
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

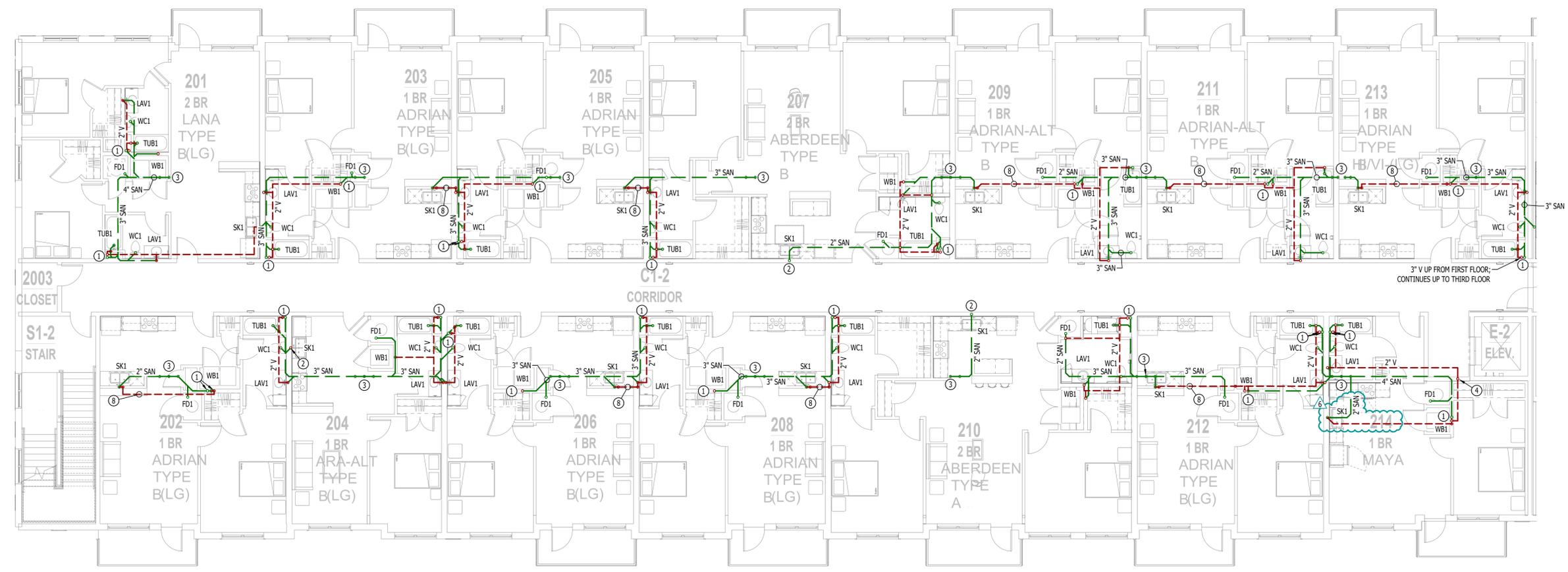
1. REFER TO P500 AND/OR P600 SERIES SHEETS FOR ADDITIONAL PLUMBING NOTES, DETAILS, REQUIREMENTS, AND SCHEDULES.
2. PLUMBING CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTS AND COORDINATE LOCATION OF ALL EQUIPMENT, PIPING, HANGERS / SUPPORTS, ETC. WITH HVAC AND ELECTRICAL TRADES BEFORE INSTALLATION OF ANY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

SANITARY SEWER PLAN KEY NOTES:

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



KEY PLAN
 SCALE: NTS



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

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:
The Village at Discovery - Lot 7
 1920 NE Discovery Ave.
 Lee's Summit, Jackson County, MO

AHJ APPROVAL STAMP

SHEET TITLE

SANITARY SEWER PLAN - SECOND FLOOR - AREA A

SHEET NUMBER

PS102



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

SANITARY SEWER PLAN SYMBOL LEGEND

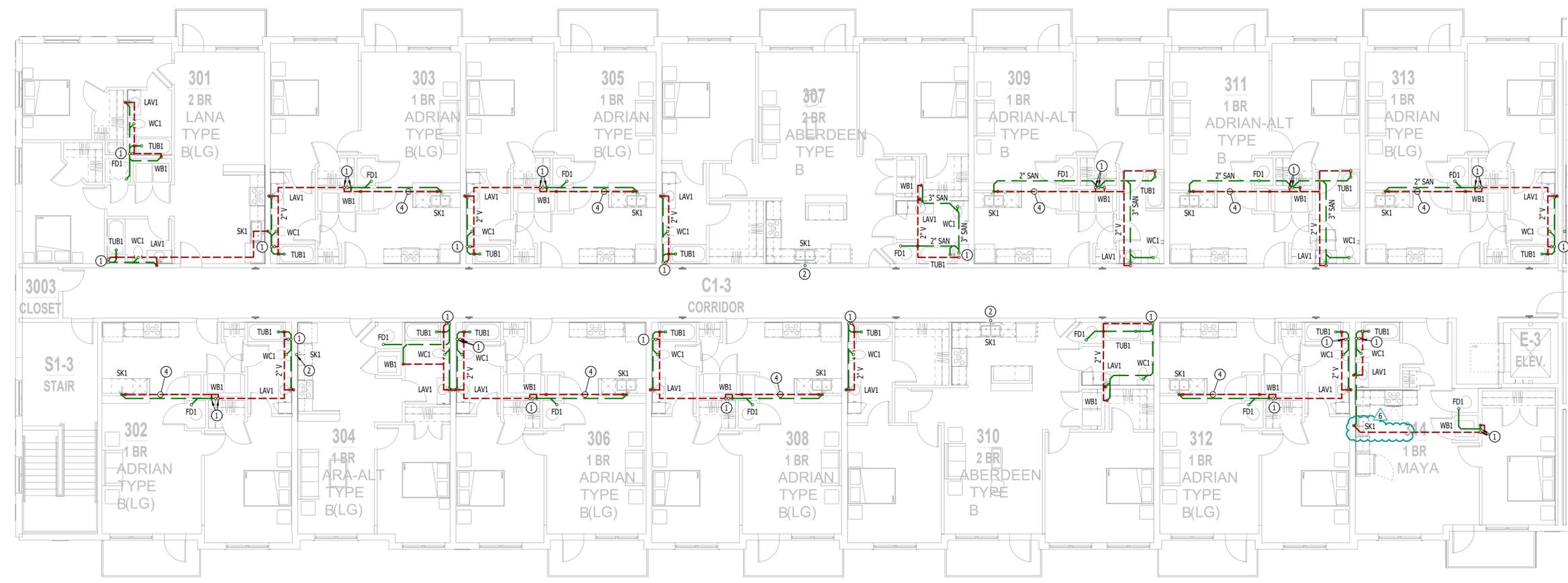
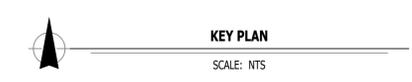
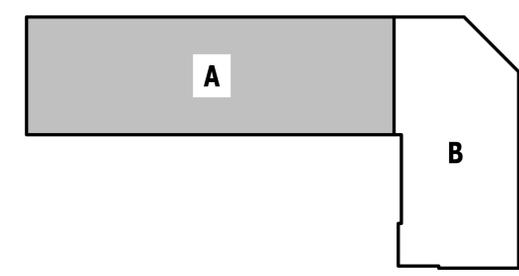
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

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

SANITARY SEWER PLAN KEY NOTES:

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



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

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:
The Village at Discovery - Lot 7
 1920 NE Discovery Ave.
 Lee's Summit, Jackson County, MO

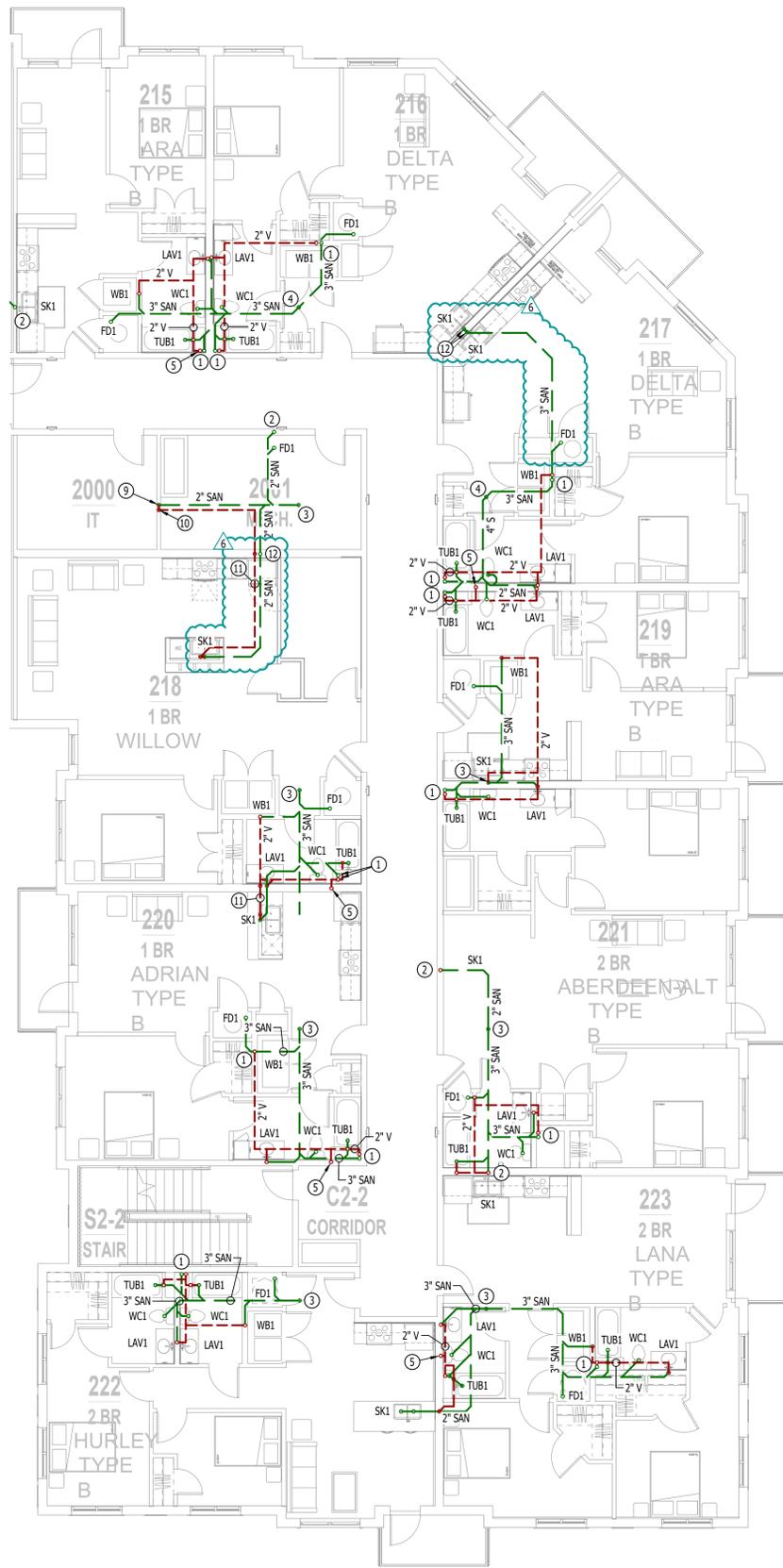
AHJ APPROVAL STAMP

SHEET TITLE

SANITARY SEWER PLAN - THIRD FLOOR - AREA A

SHEET NUMBER

PS103



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

SANITARY SEWER PLAN SYMBOL LEGEND

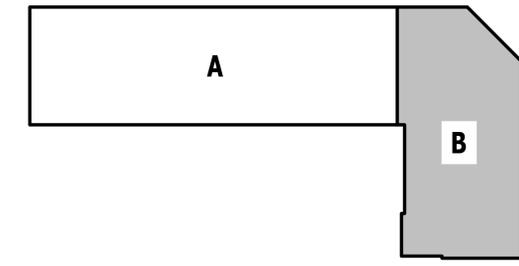
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

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

SANITARY SEWER PLAN KEY NOTES:

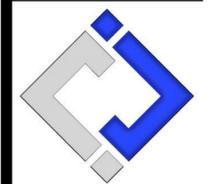
- ① 3" SANITARY STACK DOWN FROM THIRD FLOOR / 3" VENT UP TO THIRD FLOOR.
- ② 2" SANITARY STACK DOWN FROM THIRD FLOOR.
- ③ 3" SANITARY STACK DOWN TO FIRST FLOOR.
- ④ 4" SANITARY STACK DOWN TO FIRST FLOOR.
- ⑤ 3" VENT (CAPPED FOR FUTURE CONNECTION) UP FROM LEVEL BELOW; SEE SHEET P5101.
- ⑥ 6" PRIMARY &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



KEY PLAN
SCALE: NTS



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



J-SQUARED ENGINEERING

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

J2 PROJECT No: J21010
J2 DESIGN: ACW

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

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

The Village at Discovery - Lot 7

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

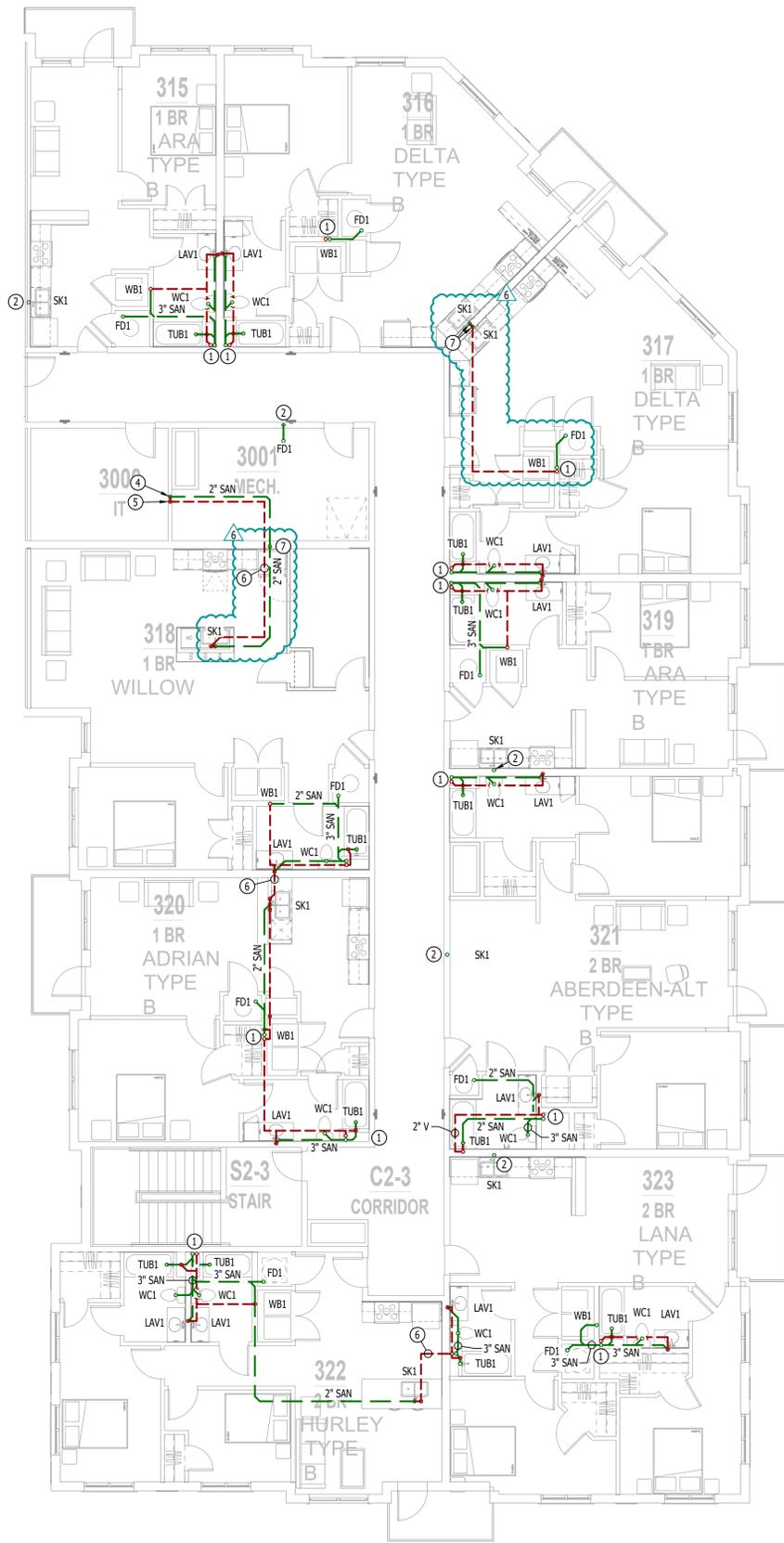
AHJ APPROVAL STAMP

SHEET TITLE

SANITARY SEWER PLAN - SECOND FLOOR - AREA B

SHEET NUMBER

PS112



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

SANITARY SEWER PLAN SYMBOL LEGEND

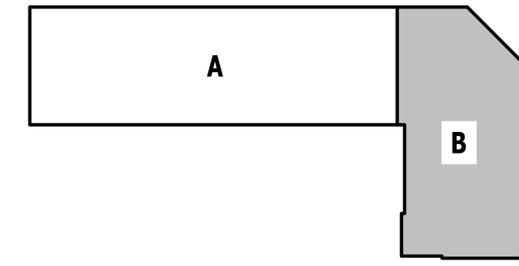
- SANITARY SEWER PIPING
- VENT PIPING
- STORM DRAIN PIPING
- PIPING TURNED DOWN / TURNED UP
- ✕ TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

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

SANITARY SEWER PLAN KEY NOTES:

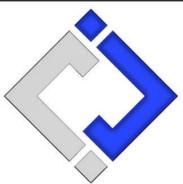
- ① 3" SANITARY STACK DOWN / 3" VENT UP FROM BELOW TO VENT THRU ROOF.
- ② 2" SANITARY STACK DOWN / 2" VENT UP TO VENT THRU ROOF.
- ③ 6" PRIMARY & 6" SECONDARY STORM DRAIN PIPING DOWN FROM ROOF & CONTINUES DOWN TO SECOND FLOOR.
- ④ HUB DRAIN IN WALL WITH ACCESS PANEL & AAV FOR CONDENSATE DISCHARGE. COORDINATE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



KEY PLAN
SCALE: NTS



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



J-SQUARED ENGINEERING

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

J2 PROJECT No: J21010
J2 DESIGN: ACW

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

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

The Village at Discovery - Lot 7

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

AHJ APPROVAL STAMP

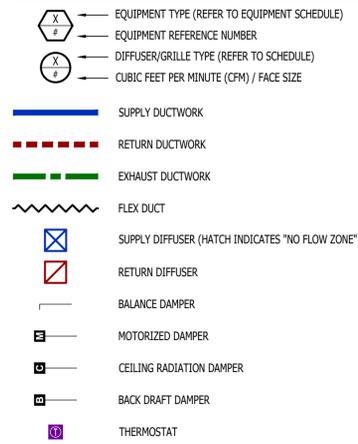
SHEET TITLE

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

SHEET NUMBER

PS113

HVAC PLAN SYMBOL LEGEND

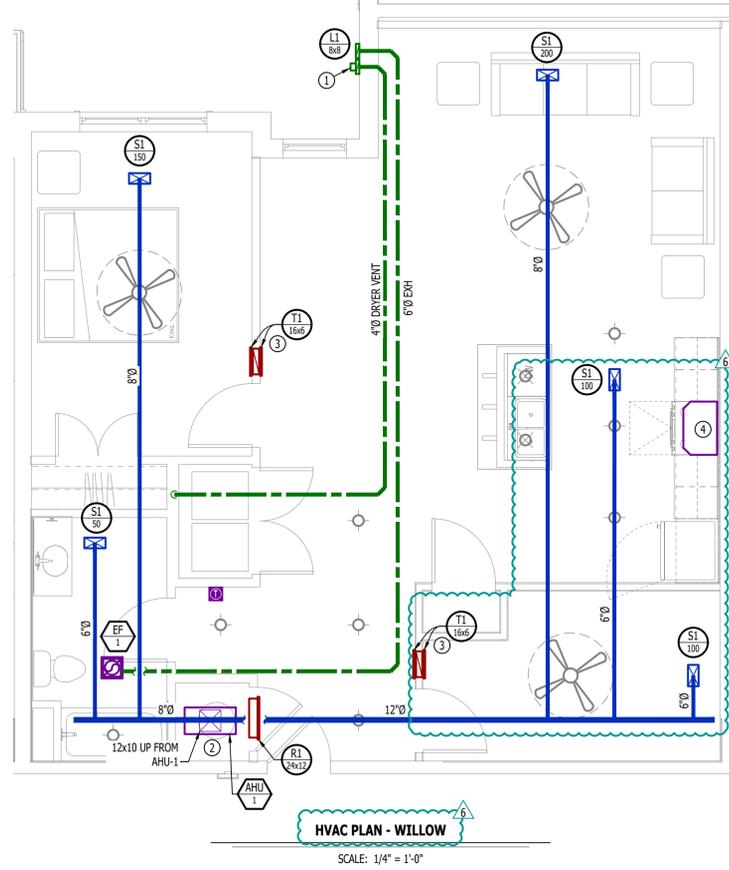


HVAC PLAN GENERAL NOTES:

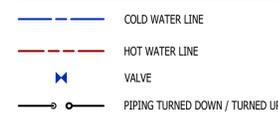
- SEE SHEET M501 FOR HVAC SCHEDULES, DETAILS, REQUIREMENTS, ETC.
- SEE SHEET MEP4 FOR CONDENSING UNIT LOCATIONS. REFRIGERANT PIPING SHALL ROUTE IN SPACES ABOVE FINISHED CEILINGS AND WITHIN WALL CAVITIES TO REMAIN CONCEALED.
- SUPPLY DUCTWORK FROM AHU AT FLOOR/CEILING PENETRATION SHALL BE PROTECTED BY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

HVAC PLAN KEY NOTES:

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



PLUMBING PLAN SYMBOL LEGEND

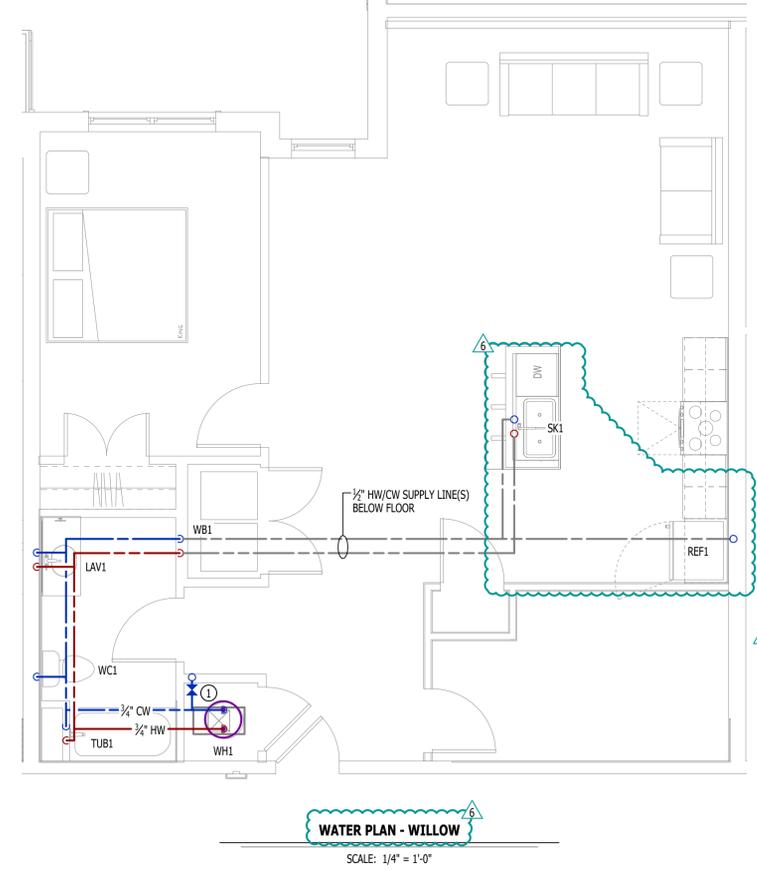


WATER PLAN GENERAL NOTES:

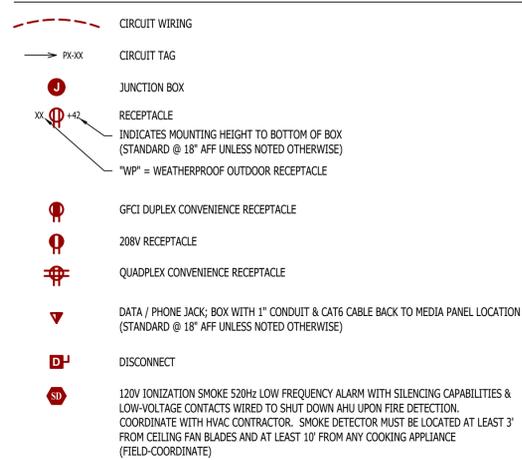
- SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.
- ALL PLUMBING LOCATED ON EXTERIOR WALLS SHALL ROUTE WITHIN INSULATION BARRIER.
- ALL DOMESTIC SUPPLY LINES SERVING MORE THAN (1) FIXTURE SHALL BE 3/2" UNLESS NOTED OTHERWISE.

WATER PLAN KEY NOTES:

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



POWER PLAN SYMBOL LEGEND

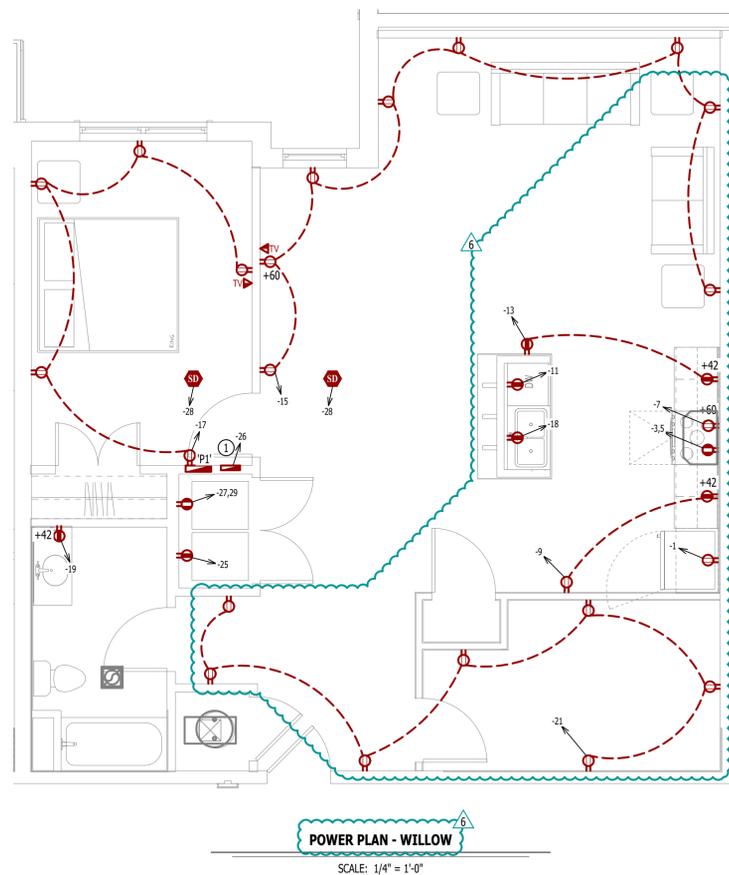


POWER PLAN GENERAL NOTES:

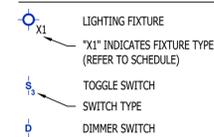
- SEE E500 & E600 SERIES SHEETS FOR POWER SCHEDULES, DETAILS, REQUIREMENTS, ETC.
- SEE SHEET MEP4 FOR CONDENSING UNIT LOCATIONS.
- VERIFY EACH DATA/RECEPTACLE LOCATION WITH OWNER PRIOR TO INSTALLATION.
- REFER TO "TYPICAL ADA MOUNTING HEIGHTS DETAIL", SHEET E501, FOR MOUNTING HEIGHTS OF DEVICES IN "ANSI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

POWER PLAN KEY NOTES:

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

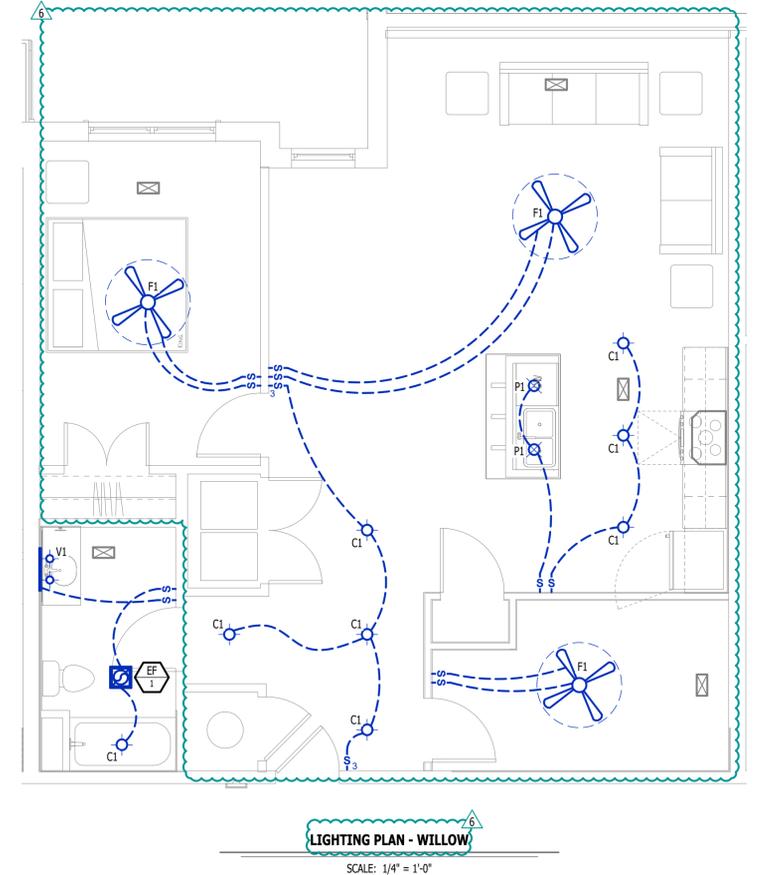


LIGHTING PLAN SYMBOL LEGEND



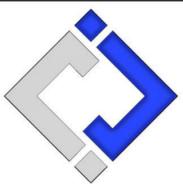
LIGHTING PLAN GENERAL NOTES:

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



RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/27/2024 10:38:09

JAMES P. WATSON
PROFESSIONAL ENGINEER
NUMBER PE-2015017071
James Watson, P.E. February 27, 2026
PE-2015017071
MO Certificate of Authority # 2018029680



J-SQUARED ENGINEERING

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

J2 PROJECT No: J21010
J2 DESIGN: ACW

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

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

The Village at Discovery - Lot 7

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

AHU APPROVAL STAMP

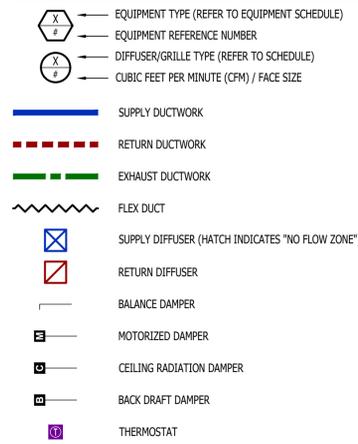
SHEET TITLE

UNIT TYPE WILLOW MEP PLAN

SHEET NUMBER

UMEP1.3

HVAC PLAN SYMBOL LEGEND

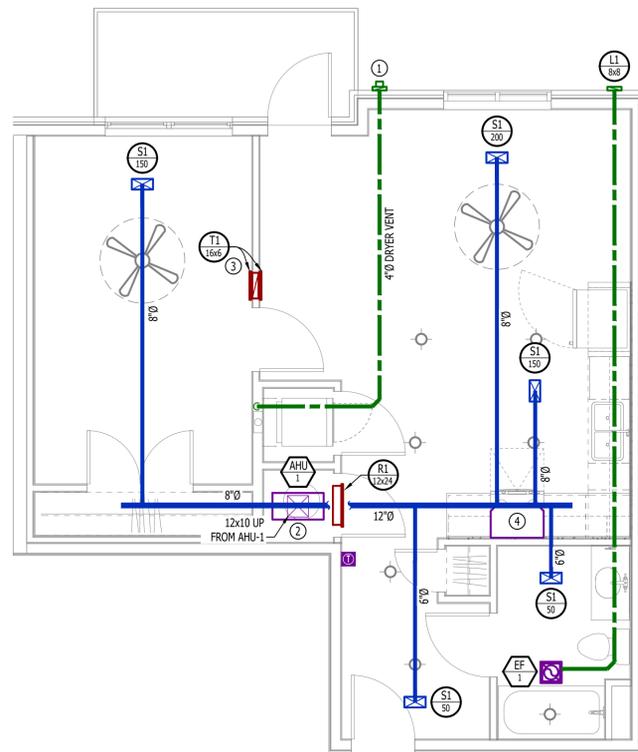


HVAC PLAN GENERAL NOTES:

- 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:

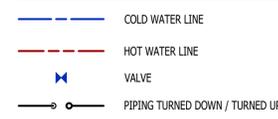
- TERMINATE 4" DRYER EXHAUST WITH VENT EQUAL TO DRYER WALL VENT #DWV4.
- AHU WALL MOUNTED ABOVE WATER HEATER, COORDINATE WITH PLUMBING CONTRACTOR. CONDENSATE TO DISCHARGE IN FLOOR DRAIN WITHIN CLOSET.
- H/LOW TRANSFER GRILLE (12" A.F.F. ON BEDROOM SIDE OF WALL; 84" A.F.F. ON OPPOSITE SIDE OF WALL).
-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



HVAC PLAN - MAYA

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

PLUMBING PLAN SYMBOL LEGEND

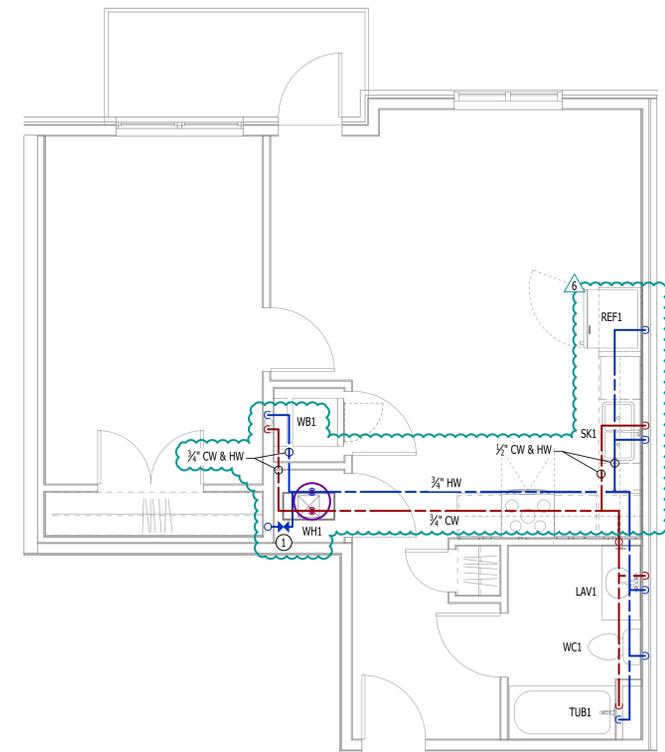


WATER PLAN GENERAL NOTES:

- 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:

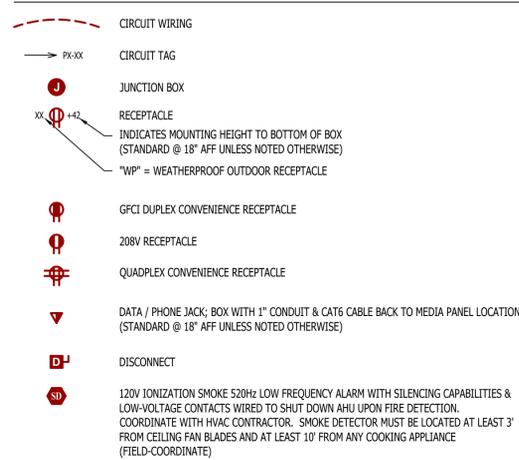
- 1" CW PIPE UP FROM BELOW WITH SHUT-OFF VALVE IN ACCESSIBLE LOCATION. SEE OVERALL PLUMBING PLANS FOR DETAILS.



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:

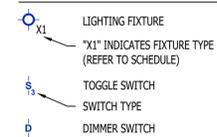
- MEDIA PANEL LOCATION; DATA/TV WIRING TO TERMINATE AT THIS LOCATION. DETERMINE EXACT LOCATION & DETAILS WITH OWNER PRIOR TO INSTALLATION.



POWER PLAN - MAYA

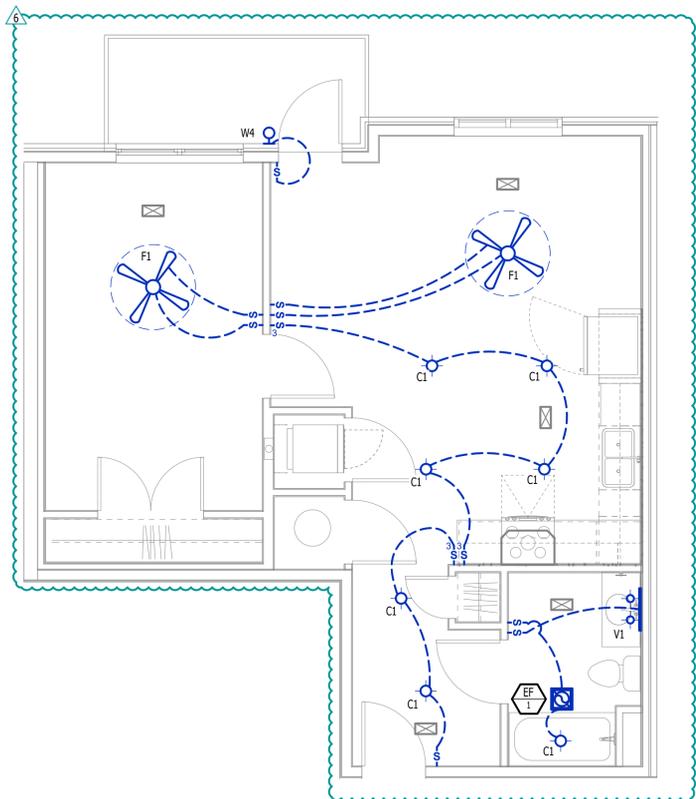
SCALE: 1/4" = 1'-0"

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.



LIGHTING PLAN - MAYA

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

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
1920 NE DISCOVERY, MISSOURI
10:38:09

JAMES P. WATSON
PROFESSIONAL ENGINEER
NUMBER PE-2015017071

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

J-SQUARED ENGINEERING

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

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

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

The Village at Discovery - Lot 7

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

AHJ APPROVAL STAMP

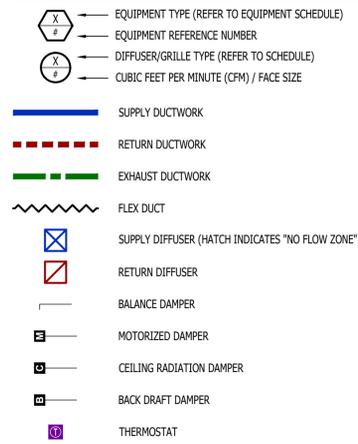
SHEET TITLE

**UNIT TYPE MAYA
MEP PLAN**

SHEET NUMBER

UMEP1.6

HVAC PLAN SYMBOL LEGEND



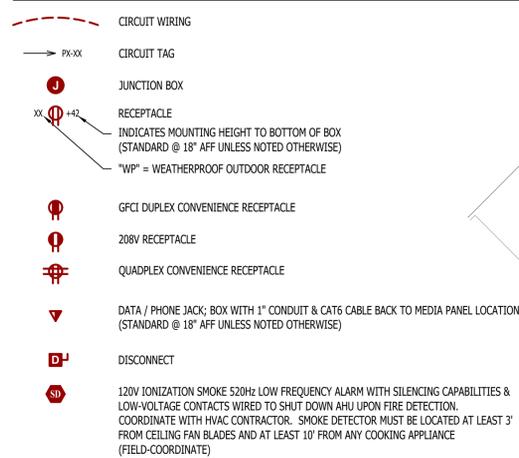
HVAC PLAN GENERAL NOTES:

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

HVAC PLAN KEY NOTES:

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

POWER PLAN SYMBOL LEGEND

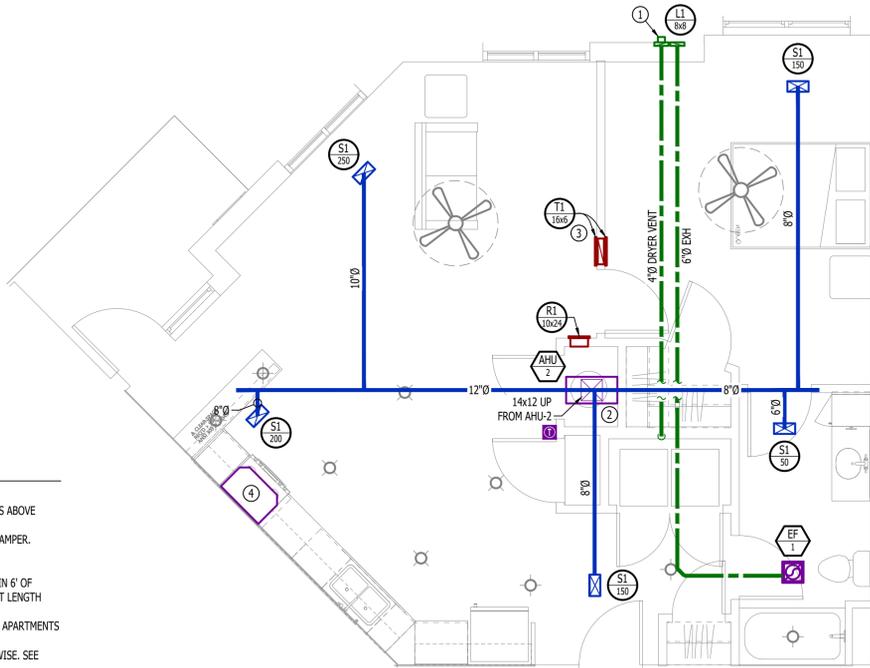


POWER PLAN GENERAL NOTES:

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

POWER PLAN KEY NOTES:

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



HVAC PLAN - DELTA

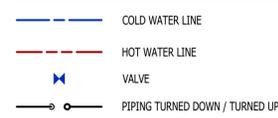
SCALE: 1/4" = 1'-0"



POWER PLAN - DELTA

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

PLUMBING PLAN SYMBOL LEGEND

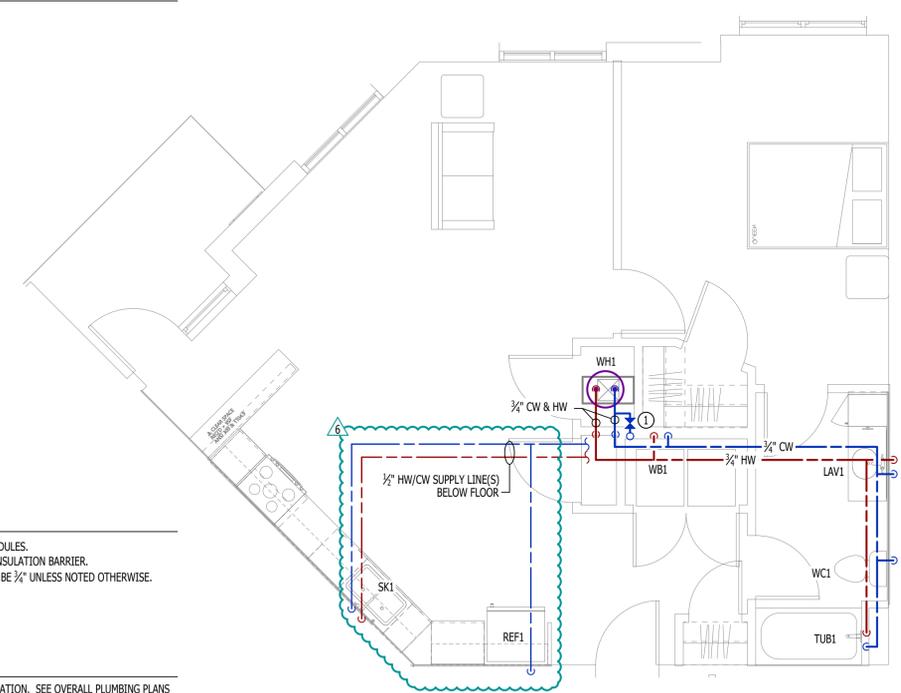


WATER PLAN GENERAL NOTES:

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

WATER PLAN KEY NOTES:

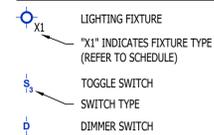
- 1" CW PIPE UP FROM BELOW WITH SHUT-OFF VALVE IN ACCESSIBLE LOCATION. SEE OVERALL PLUMBING PLANS FOR DETAILS.



WATER PLAN - DELTA

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

LIGHTING PLAN SYMBOL LEGEND



LIGHTING PLAN GENERAL NOTES:

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



LIGHTING PLAN - DELTA

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

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MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

The Village at Discovery - Lot 7

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

AHJ APPROVAL STAMP

SHEET TITLE

UNIT TYPE DELTA MEP PLAN

SHEET NUMBER

UMEP1.7