MAPLE TOWER RAD RENOVATIONS

NOT FOR CONSTRUCTION

601 MAPLE AVENUE,
CINCINNATI, OH 45229

CMHA SOLICITATION NUMBER: 2025-3010

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McGUINESS UNLIMITED

EMERALD BUILT ENVIRONMENTS
A CRETE UNITED COMPANY

ECS



ABBREVIATIONS

A		G		PT	POINT
AB	ANCHOR BOLT	GA	GAGE (GAUGE)	PTD	PAINTED
ABV	ABOVE	GALV	GALVANIZE (D)	PTN	PARTITION
AC	AIR CONDITIONING (UNIT)	GB	GRAB BAR	PTR	PAPER TOWEL RECEPTACLE
ACT	ACOUSTIC CEILING TILE	GC	GENERAL CONTRACTOR	PVC	POLYVINYL CHLORIDE
AD	AREA DRAIN	GL	GLASS	PVMT	PAVEMENT
ADH	ADHESIVE	GLZ	GLAZE		
ADJ	ADJACENT	GSKT	GASKET	Q	
AFF	ABOVE FINISH FLOOR	GVL	GRAVEL	QTF	QUARRY TILE FLOOR
AGGR	AGGREGATE	GWB	GYPSUM WALL BOARD	QTY	QUANTITY
AL	ALUMINUM			QUAL	QUALITY
ALTN	ALTERNATE	H			
ANDZ	ANODIZE	HB	HOSE BIB	R	
AP	ACCESS PANEL	HC	HOLLOW CORE	R	RADIUS
APPROX	APPROXIMATE (LY)	HD	HEAVY DUTY	RA	RETURN AIR
ARCH	ARCHITECTURE	HDR	HEADER	RAB	RABBET
ASPH	ASPHALT	HDW	HARDWARE	RCP	REFLECTED CEILING PLAN
AUTO	AUTOMATIC	HDWD	HARDWOOD	RD	ROOF DRAIN
		HGT	HEIGHT	REF	REFERENCE
B		HM	HOLLOW METAL	REFLD	REFLECTED
BETW	BETWEEN	HNDRL	HAND RAIL	REFR	REFRIGERATOR
BEV	BEVEL	HORIZ	HORIZONTAL	REINF	REINFORCE (D), (ING)
BF	BIFOLD	HPT	HIGH POINT	REQ	REQUIRE
BJ	BAR JOIST	HR	HOUR	REQD	REQUIRED
BLDG	BUILDING	HTG	HEATING	RESIL	RESILIENT
BLK(G)	BLOCK (ING)	HVAC	HEATING/ VENTILATION/ AIR-CONDITIONING	REV	REVISION (S), (REVISE)
BLW	BELOW			REG	REGISTER
BM	BENCH MARK	HWH	HOT WATER HEATER	RH	RIGHT HAND
BOT	BOTTOM			RI	RISER (STAIRS)
BRD	BOARD	I		RLG	RAILING
BRG	BEARING	ID	INSIDE DIAMETER	RM	ROOM
BRK	BRICK	IDENT	IDENTIFY	RMV	REMOVE (D)
BRZ	BRONZE	INCL	INCLUDE (D), (ING)	RO	ROUGH OPENING
BS	BOTH SIDES	INSUL	INSULATION	RTN	RETURN
BSMT	BASEMENT	INT	INTERIOR	RVS	REVERSE
BUR	BUILT-UP ROOFING	INTLK	INTERLOCK	RW	RIGHT OF WAY
BW	BOTH WAYS			RWC	RAINWATER CONDUCTOR
		J			
C		JST	JOIST	S	
CAB	CABINET	JB	JUNCTION BOX	S	SOUTH
CARP	CARPET (ED)	JC	JANITOR'S CLOSET	SASU	SELF-ADHERING SHEET UNDERLAYMENT
CB	CATCH BASIN	JT	JOINT		
CEM	CEMENT			SATC	SUSPENDED ACOUSTIC-TILE CEILING
CHAM	CHAMFER	K		SCHED	SCHEDULE
CI	CAST IRON	KD	KNOCK DOWN	SCRN	SCREEN
CJ	CONTRACTION/ CONTROL JOINT	KIT	KITCHEN	SDG	SIDING
CKT	CIRCUIT	KO	KNOCKOUT	SCT	STRUCTURAL CLAY TILE
CL	CENTERLINE	KPL	KICK PLATE	SECT	SECTION
CLG	CEILING			SH	SHEET
CLKG	CAULKING	L		SHTH	SHEATHING
CLOS	CLOSURE	L	LENGTH	SIM	SIMILAR
CLR	CLEAR	LAB	LABORATORY	SLT	SKYLIGHT
CMU	CONCRETE MASONRY UNIT	LAD	LADDER	SLV	SLEEVE
CNVR	CONVEYOR	LAM	LAMINATE (D)	SNDPRF	SOUNDPROOF
COL	COLUMN	LAV	LAVATORY	SPCR	SPACER
CONC	CONCRETE	LBL	LABEL	SPEC	SPECIFICATION (S)
CONN	CONNECTION	LF	LINEAR FOOT (FEET)	SPKR	SPEAKER
CONSTR	CONSTRUCTION	LH	LEFT HAND	SQ	SQUARE
CONT	CONTINUOUS (CONTINUE)	LN	LINEAR	SQFT	SQUARE FOOT (FEET)
CONTR	CONTRACT (CONTRACTOR)	LKR	LOCKER	SS	STAINLESS STEEL
CORR	CORRUGATED	LL	LIVE LOAD	STD	STANDARD
CRCMF	CIRCUMFERENCE	LLH	LONG LEG HORIZONTAL	STL	STEEL
CT	CERAMIC TILE	LLV	LONG LEG VERTICAL	STOR	STORAGE
CTB	CERAMIC TILE BASE	LNTL	LINTEL	STRUC	STRUCURAL
CTC	CENTER TO CENTER	LP	LOW POINT	SUSP	SUSPEND
CTF	CERAMIC TILE FLOOR	LT	LIGHT	SYM	SYMBOL
CTR	COUNTER	LVR	LOUVER	SYMM	SYMMETRICAL
CUFT	CUBIC FEET	LWC	LIGHT WEIGHT CONCRETE	SYNTH	SYNTHETIC
CUYD	CUBIC YARD			SYS	SYSTEM
		M			
D		M	METER (S)	T	
D	DEPTH	MATL	MATERIAL	TOB	TOP OF BEAM
DEMO	DEMOLITION	MAX	MAXIMUM	TOM	TOP OF MASONRY
DET	DETAIL	MBR	MEMBER	TOS	TOP OF STEEL
DF	DRINKING FOUNTAIN	MC	MEDICINE CABINET	TD	TRENCH DRAIN
DIA	DIAMETER	MED	MEDIUM	TEL	TELEPHONE
DIAG	DIAGONAL	MECH	MECHANICAL	TEMP	TEMPORARY
DIM	DIMENSION	MEMB	MEMBRANE	TER	TERRAZZO
DISP	DISPENSER	MTL	METAL	TG	TONGUE AND GROOVE
DIV	DIVISION (DIVIDE)	MTLR	METAL ROOF	TH	TOILET PAPER HOLDER
DL	DEAD LOAD	MEZZ	MEZZANINE	THK	THICK
DN	DOWN	MFD	MANUFACTURED	THKNS	THICKNESS
DO	DOOR OPENING (DITTO)	MFR	MANUFACURE (R)	TMPD	TEMPERED
DP	DAMPROOFING	MH	MANHOLE	TOL	TOLERANCE
DR	DOOR	MIN	MINIMUM	TPTN	TOILET PARTITION
DS	DOWNSPOUT	MIR	MIRROR	TR	TRUSS
DWG	DRAWING	MISC	MISCELLANEOUS	TRA	TRANSOM
DWR	DRAWER	MLDG	MOLDING	TRD	TREAD (STAIRS)
		MO	MASONRY OPENING	TYP	TYPICAL
E		MR	MARBLE		
EXH	EXHAUST	MAS	MASONRY	U	
EXP	EXPOSED	MT	MOUNT	UL	UNDERWRITER'S LABORATORY
E	EAST	MTD	MOUNTED	UND	UNDER
EA	EACH	MTG	MOUNTING	UNFIN	UNFINISHED
EF	EACH FACE	MVBL	MOVABLE	UNO	UNLESS NOTED OTHERWISE
EL	ELEVATION			UOS	UNLESS OTHERWISE SPECIFIED
ELEC	ELECTRIC (AL)	N		UR	URINAL
ELEV	ELEVATION	N	NORTH		
EMERG	EMERGENCY	NA	NOT APPLICABLE	W	
ENCL	ENCLOSURE (ENCLOSE)	NAT	NATURAL	W	WEST
EQL	EQUAL	NIC	NOT IN CONTRACT	W/	WITH
EQPT	EQUIPMENT	NO	NUMBER	W/O	WITHOUT
EST	ESTIMATE	NOM	NOMINAL	WA	WAINSCOT
EW	EACH WAY	NR	NOISE REDUCTION	WC	WATER CLOSET
EWC	ELECTRIC WATER COOLER	NRC	NOISE REDUCTION COEFFICIENT	WD	WOOD
EXC	EXCAVATE	NTS	NOT TO SCALE	WDW	WINDOW
EJ	EXPANSION JOINT			WGL	WIRE GLASS
EXIST	EXISTING	O		WI	WROUGHT IRON
EXT	EXTERIOR	OA	OVERALL	WM	WIRE MESH
		OB	OBSECURE	WP	WORKING POINT
F		OC	ON CENTER	WPG	WATERPROOFING
FBCK	FIREBRICK	OD	OUTSIDE DIAMETER	WS	WEATHER STRIPPING
FD	FLOOR DRAIN	OHD	OVERHEAD DOOR	WT	WEIGHT
FDN	FOUNDATION	OPA	OPAQUE	WTRPRF	WATERPROOF
FEC	FIRE EXTINGUISHER CABINET	OPNG	OPENING	WWF	WELDED WIRE FABRIC
FEXT	FIRE EXINGUISHER	OPP	OPPOSITE		
FFE	FINISH FLOOR ELEVATION	OH	OVERHEAD	Y	
FHC	FIRE HOSE CABINET			YD	YARD
FHR	FIRE HOSE RACK	P			
FL	FLASHING	PCF	POUNDS PER CUBIC FOOT		
FLEX	FLEXIBLE	PED	PEDESTAL		
FLG	FLOORING	PERF	PERFORATE (D)		
FLR	FLOOR	PL	PLATE		
FLUOR	FLUORESCENT	PLAM	PLASTIC LAMINATE		
FM	FACTORY MUTUAL	PLAS	PLASTER		
FNSH	FINISH	PLATF	PLATFORM		
FPRF	FIREPROOF	PWD	PLYWOOD		
FRES	FIRE RESISTANT	PNL	PANEL		
FRT	FIRE RETARTANT TREATED	PRCST	PRECAST		
FSTNR	FASTENER	PREFAB	PREFABRICATED		
FTG	FOOTING	PREFIN	PREFINISHED		
FURN	FURNISH (FURNITURE)	PRKG	PARKING		
FUT	FUTURE	PRL	PARALLEL		
FV	FIELD VERIFY	PROP	PROPOSED		
		PSF	POUNDS PER SQUARE FOOT		
		PSI	POUNDS PER SQUARE INCH		

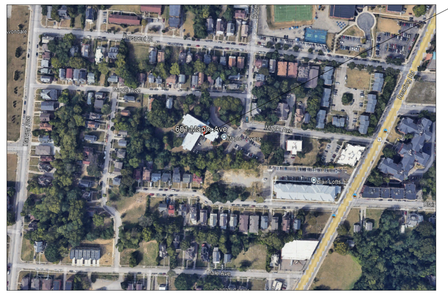
SYMBOLS

SIM. 1 A101 SIM. 1 A101	BUILDING SECTION
SIM. 1 A101	WALL SECTION
1 A101	EXTERIOR ELEVATION TAG
X X A101 X X	INTERIOR ELEVATION TAG
TS1 X-1 X-1	FLOOR TRANSITION TAG
1 A101 SIM	CALLOUT TAG
N Name Elevation	NORTH ARROW
	LEVEL ID TAG
ROOM NAME 101	TYPICAL ROOM TAG
W Wall Finish; F Floor Finish; B Base Finish	ROOM FINISH TAG
EXIT: #1 CLEAR WIDTH: 68 OCCUPANT LOAD: 340	EGRESS DOOR TAG
ACT-1 10'-0"AFF	CEILING FINISH / ELEVATION TAG
1	REVISION ID TAG
XX	FURNITURE TAG
X-1	MATERIAL TAG
XX	KEYNOTE TAG
X1	ACCESSORY / APPLIANCE TAG
101	DOOR TAG
1	WINDOW / STOREFRONT TAG
	CENTERLINE
M#.1 AS 4'-0" *SEE SHEETA5001FOR MORE INFO	PARTITION TAG
A	COLUMN GRID MARKER

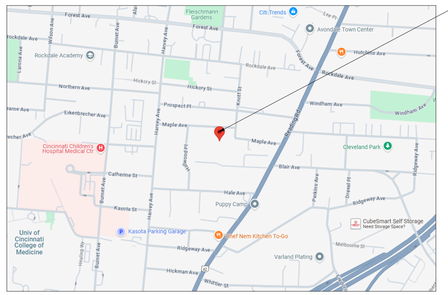
MATERIALS

EARTH (DISTURBED)	BLOCKING / SHIM	CONCRETE BLOCK	BATT INSULATION
EARTH (UNDISTURBED)	NOMINAL CUT LUMBER	BRICK	GYPSUM BOARD
GRAVEL	WOOD GRAIN	STEEL	BRASS
POURED CONCRETE	PLYWOOD	RIGID INSULATION	

VICINITY MAP



LOCATION MAP



SCOPE OF WORK

GENERAL RENOVATION TO THE EXISTING APARTMENT COMPLEX ON SITE. FINISHES AND FIXTURES TO BE REPLACED AS NOTED THROUGHOUT. MINOR LAYOUT MODIFICATIONS TO ADMIN OFFICES AND FRONT ENTRY. NO ADDITIONAL SQUARE FOOTAGE TO BE ADDED. NO CHANGES TO THE CURRENT OCCUPANCY / CLASSIFICATION.

HAZARDOUS MATERIALS:
THE EXISTING APARTMENT COMPLEX HAS BEEN TESTED FOR HAZARDOUS MATERIALS INCLUDING ASBESTOS AND LEAD BASED PAINT. ALL HAZARDOUS MATERIALS SHALL BE DIPOSED OF IN COMPLIANCE WITH REGULATING AUTHORITIES. THE CONTRACTOR SHALL REFER TO THE SPECIFICATION MANUAL FOR INFORMATION AND REQUIMENTS RELATED TO HAZARDOUS MATERIALS ABATEMENT.

PROJECT DIRECTORY

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GENERAL NOTES

1. THE WORK SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE AND NATIONAL BUILDING CODES.
2. CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK. ANY CONDITIONS NOT DOCUMENTED ON THESE DRAWINGS OR OBSERVED TO BE DIFFERENT THAN THOSE SHOWN ON THESE DRAWINGS ARE TO BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO COMMENCING THE WORK.
3. CONTRACTOR SHALL CONTACT LOCAL UTILITIES AS REQUIRED. SUBMIT ALL NOT ALREADY SUBMITTED PERMIT DOCUMENTS, QUALIFICATIONS, ETC. AND BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH PERMITS, UTILITY EXTENSIONS, TAP-INSPECTIONS, ETC. THE ARCHITECT/ENGINEER SHALL SUBMIT DOCUMENTS FOR OWNER'S REVIEW AND PERMIT PLAN REVIEW, HOWEVER, THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING THE PERMITS, AND ALL ASSOCIATED PERMIT AND INSPECTION COSTS/FEES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL DEBRIS RESULTING FROM CONSTRUCTION WORK ON THIS PROJECT.
5. EACH SUBCONTRACTOR IS RESPONSIBLE TO COORDINATE AND SCHEDULE HIS WORK WITH THE GENERAL CONTRACTOR AND ALL OTHER CONTRACTORS WHOSE WORK WILL BE AFFECTED BY THEIR WORK.
6. PARKING AT THE SITE BY CONSTRUCTION PERSONNEL SHALL BE LIMITED TO THE LOCATIONS DESIGNATED BY THE OWNER/OWNER'S REPRESENTATIVE.
7. ALL DIMENSIONS AND ELEVATIONS NOTED AS "(REF)" ARE FOR REFERENCE ONLY AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO USING THEM FOR ANY SITE CLEARING/CONSTRUCTION ACTIVITIES.
8. ALL EXPOSED DRYWALL SURFACES TO BE FINISH LEVEL 4 UNO.
9. ALL SCOPE DETAILED IN THIS DRAWING SET IS IN REFERENCE TO THE BUILDING SYSTEMS/ASSEMBLIES IN NEED OF REPLACEMENT AND/OR REPAIR AS IDENTIFIED IN THE PCNA (BASED ON THE RULE OF LESS THAN 50%), COMPLETED BY AN OFHA APPROVED THIRD PARTY, SELECTED AND CONTRACTED BY THE OWNER.

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REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	AMA

REVISIONS

REW JOB #	07425
DESIGN BY	AMA
DRAWN BY	AMA/EB/SCR
CHECK BY	SCR
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE: COVER SHEET

DRAWING NUMBER: **G0001**

REV: **0**

7/17/2025 3:35:59 PM

SHEET INDEX

SHEET #	NAME	REV	REVISION DATE
GENERAL			
G0001	COVER SHEET	0	07/18/25
G0002	SHEET INDEX	0	07/18/25
G0011	2024 DESIGN AND CONSTRUCTION FEATURES FORM	0	07/18/25
G0012	2024 DESIGN AND CONSTRUCTION FEATURES FORM	0	07/18/25
G1000	CODE INFORMATION	0	07/18/25
G1001	LIFE SAFETY PLAN - GROUND FLOOR	0	07/18/25
G1002	LIFE SAFETY PLAN - 1ST FLOOR	0	07/18/25
G1003	LIFE SAFETY PLANS - 2ND AND 3RD FLOOR	0	07/18/25
G1004	LIFE SAFETY PLANS - 4TH THRU 8TH FLOOR	0	07/18/25
G1005	LIFE SAFETY PLAN - 9TH FLOOR	0	07/18/25
G1031	ACCESSIBILITY STANDARDS	0	07/18/25
LANDSCAPING			
L0001	GENERAL NOTES AND SCHEDULE	0	07/18/25
L0002	KEY SHEET	0	07/18/25
L0010	DEMOLITION NOTES AND DETAILS	0	07/18/25
L0011	DEMOLITION PLAN	0	07/18/25
L2001	MATERIAL NOTES AND SCHEDULE	0	07/18/25
L2011	MATERIALS PLAN	0	07/18/25
L2011A	LAYOUT PLAN	0	07/18/25
L2021	HARDSCAPE DETAILS	0	07/18/25
L2022	HARDSCAPE DETAILS	0	07/18/25
L2023	HARDSCAPE DETAILS	0	07/18/25
L4010	PLANTING NOTES AND SCHEDULE	0	07/18/25
L4011	PLANTING PLAN	0	07/18/25
L4021	PLANTING DETAILS	0	07/18/25
CIVIL			
CS0001	COVER SHEET	0	07/18/25
CS4001	GENERAL NOTES	0	07/18/25
CS4002	GENERAL NOTES	0	07/18/25
V1001	ALTA / NSPS LAND TITLE SURVEY SHEET 1 OF 3	0	07/18/25
V1002	ALTA / NSPS LAND TITLE SURVEY SHEET 2 OF 3	0	07/18/25
V1003	ALTA / NSPS LAND TITLE SURVEY SHEET 3 OF 3	0	07/18/25
CD1001	DEMOLITION PLAN	0	07/18/25
CS1001	SITE & UTILITY PLAN	0	07/18/25
CS5001	SITE & UTILITY DETAILS	0	07/18/25
CS5002	SITE & UTILITY DETAILS	0	07/18/25
CE1001	EROSION & SEDIMENT CONTROL PLAN	0	07/18/25
CE4001	EROSION & SEDIMENT CONTROL NOTES	0	07/18/25
CE5001	EROSION & SEDIMENT CONTROL DETAILS	0	07/18/25
ARCHITECTURAL			
AD1001	DEMOLITION - GROUND FLOOR	0	07/18/25
AD1002	DEMOLITION - 1ST FLOOR	0	07/18/25
AD1003	DEMOLITION - 2ND AND 3RD FLOOR	0	07/18/25
AD1004	DEMOLITION - 4TH THRU 8TH FLOOR	0	07/18/25
AD1005	DEMOLITION - 9TH FLOOR	0	07/18/25
AD1011	DEMOLITION - ENLARGED GROUND FLOOR	0	07/18/25
AD1012	DEMOLITION - ENLARGED 1ST FLOOR	0	07/18/25
AD1021	DEMOLITION - ENLARGED TYPICAL APARTMENT UNITS	0	07/18/25
AD1022	DEMOLITION - ENLARGED TYPICAL APARTMENT UNITS	0	07/18/25
AD1023	DEMOLITION - ENLARGED TYPICAL APARTMENT UNITS	0	07/18/25
AD1024	DEMOLITION - ENLARGED TYPICAL APARTMENT UNITS	0	07/18/25
A1001	GROUND FLOOR PLAN	0	07/18/25
A1002	1ST FLOOR PLAN	0	07/18/25
A1003	2ND AND 3RD FLOOR PLAN	0	07/18/25
A1004	4TH THRU 8TH FLOOR PLAN	0	07/18/25
A1005	9TH FLOOR PLAN	0	07/18/25
A1011	ENLARGED GROUND FLOOR PLAN	0	07/18/25
A1012	ENLARGED 1ST FLOOR PLAN	0	07/18/25
A1021	REFLECTED CEILING PLAN - GROUND FLOOR	0	07/18/25
A1022	REFLECTED CEILING PLAN - 1ST FLOOR	0	07/18/25
A1023	REFLECTED CEILING PLAN - 2ND AND 3RD FLOOR	0	07/18/25
A1024	REFLECTED CEILING PLAN - 4TH THRU 8TH FLOOR	0	07/18/25
A1025	REFLECTED CEILING PLAN - 9TH FLOOR	0	07/18/25
A1031	ROOF PLAN	0	07/18/25
A4001	UNIT A 504S - ENLARGED PLANS AND INTERIOR ELEVATIONS	0	07/18/25
A4002	UNIT A 504M - ENLARGED PLANS AND INTERIOR ELEVATIONS	0	07/18/25
A4003	UNIT B - ENLARGED PLANS AND INTERIOR ELEVATIONS	0	07/18/25
A4004	UNIT B 504S - ENLARGED PLANS AND INTERIOR ELEVATIONS	0	07/18/25
A4005	UNIT B 504M - ENLARGED PLANS AND INTERIOR ELEVATIONS	0	07/18/25
A4006	UNIT C - ENLARGED PLANS AND INTERIOR ELEVATIONS	0	07/18/25
A4007	UNIT D 504M - ENLARGED PLANS AND INTERIOR ELEVATIONS	0	07/18/25
A5001	PARTITION TYPE DETAILS	0	07/18/25
A5011	DOOR SCHEDULE	0	07/18/25
A5041	SIGNAGE	0	07/18/25
PIPING			
P0001	PLUMBING GENERAL NOTES AND LEGENDS	0	07/18/25
P1000	UNDERGROUND PLUMBING PLAN	0	07/18/25
P1001	GROUND LEVEL PLUMBING PLAN	0	07/18/25
P1002	FIRST FLOOR PLUMBING PLAN	0	07/18/25
P1003	SECOND AND THIRD FLOOR PLUMBING PLAN	0	07/18/25
P1004	FOURTH - EIGHTH FLOOR PLUMBING PLAN	0	07/18/25
P1005	NINTH FLOOR PLUMBING PLAN	0	07/18/25
P1006	ROOF PLUMBING PLAN	0	07/18/25
P4000	UNDERGROUND LEVEL ENLARGED PLUMBING PLAN	0	07/18/25
P4001	UNDERGROUND LEVEL ENLARGED PLUMBING PLAN	0	07/18/25
P4002	UNDERGROUND LEVEL ENLARGED PLUMBING PLAN	0	07/18/25
P4003	GROUND LEVEL ENLARGED PLUMBING PLAN	0	07/18/25
P4004	GROUND LEVEL ENLARGED PLUMBING PLAN	0	07/18/25
P4005	GROUND LEVEL ENLARGED PLUMBING PLAN	0	07/18/25
P4006	GROUND LEVEL ENLARGED PLUMBING PLAN	0	07/18/25
P4007	FIRST FLOOR UNITS ENLARGED PLUMBING PLANS	0	07/18/25
P4008	SECOND AND THIRD FLOOR UNITS ENLARGED PLUMBING PLANS	0	07/18/25
P4009	PLUMBING FOURTH TO EIGHTH FLOOR UNITS ENLARGED PLUMBING PLANS	0	07/18/25
P4010	NINTH FLOOR UNITS ENLARGED PLUMBING PLANS	0	07/18/25
P6000	PLUMBING SCHEDULES	0	07/18/25
P9000	PLUMBING ISOMETRICS	0	07/18/25
P9001	PLUMBING ISOMETRICS	0	07/18/25
PD1000	PLUMBING DEMOLITION UNDERGROUND PLAN	0	07/18/25
PD1001	PLUMBING DEMOLITION GROUND FLOOR PLAN	0	07/18/25
PD1002	PLUMBING DEMOLITION FIRST FLOOR PLAN	0	07/18/25
PD1003	PLUMBING DEMOLITION SECOND FLOOR PLAN	0	07/18/25
PD1004	PLUMBING DEMOLITION FOURTH FLOOR PLAN	0	07/18/25
PD1005	PLUMBING DEMOLITION NINTH FLOOR PLAN	0	07/18/25
PD1006	PLUMBING DEMOLITION ROOF PLAN	0	07/18/25
MECHANICAL			
M0001	HVAC GENERAL NOTES	0	07/18/25
M0002	HVAC ABBREVIATIONS AND SYMBOLS	0	07/18/25
M1001	OVERALL GROUND LEVEL MECHANICAL PLAN	0	07/18/25
M1002	OVERALL 1ST LEVEL HVAC PLAN	0	07/18/25
M1003	OVERALL 2ND AND 3RD LEVELS HVAC PLAN	0	07/18/25
M1004	OVERALL 4TH - 9TH LEVELS HVAC PLAN	0	07/18/25

SHEET INDEX

SHEET #	NAME	REV	REVISION DATE
M4001	ENLARGED GROUND LEVEL HVAC PLAN	0	07/18/25
M5001	HVAC DETAILS	0	07/18/25
M5002	HVAC DETAILS	0	07/18/25
M5003	HAVC DETAILS	0	07/18/25
M5004	HAVC DETAILS	0	07/18/25
M6001	HVAC PIPING SCHEMATICS	0	07/18/25
M7001	HVAC SCHEDULES	0	07/18/25
M7002	HVAC SCHEDULES	0	07/18/25
M8001	HVAC CONTROL DIAGRAMS	0	07/18/25
M8002	HVAC CONTROL DIAGRAMS	0	07/18/25
M9001	BOILER ROOM PIPING 3D VIEW	0	07/18/25
MD1001	OVERALL GROUND LEVEL HVAC DEMOLITION PLAN	0	07/18/25
MD1002	OVERALL 1ST LEVEL HVAC DEMOLITION PLAN	0	07/18/25
MD1003	OVERALL 2ND AND 3RD LEVELS HVAC DEMOLITION PLAN	0	07/18/25
MD1004	OVERALL 4TH - 9TH LEVELS HVAC DEMOLITION PLAN	0	07/18/25
ELECTRICAL			
E0001	GENERAL NOTES	0	07/18/25
E0002	SYMBOL LEGENDS AND ABBREVIATIONS	0	07/18/25
E0003	EQUIPMENT SCHEDULES	0	07/18/25
E0004	SITE ELECTRICAL PLAN	0	07/18/25
E1001	GROUND FLOOR POWER PLAN	0	07/18/25
E1002	FIRST FLOOR POWER PLAN	0	07/18/25
E1003	2ND AND 3RD FLOOR POWER PLAN	0	07/18/25
E1004	4TH - 8TH FLOOR POWER PLAN	0	07/18/25
E1005	9TH FLOOR POWER PLAN	0	07/18/25
E1006	PENTHOUSE ELECTRICAL PLAN	0	07/18/25
E1101	GROUND FLOOR LIGHTING PLAN	0	07/18/25
E1102	FIRST FLOOR LIGHTING PLAN	0	07/18/25
E1103	2ND AND 3RD FLOOR LIGHTING PLAN	0	07/18/25
E1104	4TH - 8TH FLOOR LIGHTING PLAN	0	07/18/25
E1105	9TH FLOOR LIGHTING PLAN	0	07/18/25
E1201	FIRST FLOOR CABLE TRAY PLAN	0	07/18/25
E1202	2ND AND 3RD FLOOR CABLE TRAY PLAN	0	07/18/25
E1203	4TH - 9TH FLOOR CABLE TRAY PLAN	0	07/18/25
E2101	ELECTRICAL ELEVATIONS - LIGHTING	0	07/18/25
E4001	TYPICAL UNITS ELECTRICAL PLANS	0	07/18/25
E6001	SINGLE LINE DIAGRAM I	0	07/18/25
E6002	SINGLE LINE DIAGRAM II	0	07/18/25
E7001	APARTMENT UNIT PANEL SCHEDULES	0	07/18/25
E7002	BUILDING PANEL SCHEDULES	0	07/18/25
E7003	BUILDING PANEL SCHEDULES	0	07/18/25
ED0004	SITE ELECTRICAL DEMOLITION PLAN	0	07/18/25
ED1001	GROUND FLOOR ELECTRICAL DEMOLITION PLAN - POWER	0	07/18/25
ED1002	FIRST FLOOR ELECTRICAL DEMOLITION PLAN - POWER	0	07/18/25
ED1003	2ND AND 3RD FLOOR ELECTRICAL DEMOLITION PLAN - POWER	0	07/18/25
ED1004	4TH - 8TH FLOOR ELECTRICAL DEMOLITION PLAN - POWER	0	07/18/25
ED1005	9TH FLOOR ELECTRICAL DEMOLITION PLAN - POWER	0	07/18/25
ED1006	PENTHOUSE FLOOR ELECTRICAL DEMOLITION PLAN - POWER/LIGHTING	0	07/18/25
ED1101	GROUND FLOOR ELECTRICAL DEMOLITION PLAN - LIGHTING	0	07/18/25
ED1102	FIRST FLOOR ELECTRICAL DEMOLITION PLAN - LIGHTING	0	07/18/25
ED1103	2ND AND 3RD FLOOR ELECTRICAL DEMOLITION PLAN - LIGHTING	0	07/18/25
ED1104	4TH - 8TH FLOOR ELECTRICAL DEMOLITION PLAN - LIGHTING	0	07/18/25
ED1105	9TH FLOOR ELECTRICAL DEMOLITION PLAN - LIGHTING	0	07/18/25
ED2101	ELECTRICAL DEMOLITION ELEVATIONS - LIGHTING	0	07/18/25
ED4001	TYPICAL UNIT DEMOLITION PLAN - ELECTRICAL/LIGHTING	0	07/18/25
ED6001	EXISTING SINGLE LINE DIAGRAM I	0	07/18/25
ED6002	EXISTING SINGLE LINE DIAGRAM II	0	07/18/25

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CONSULTANT INFO

SEALS

R. E. WARNER
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25000 Country Club Blvd., Suite 340,
North Olmsted, OH 44070

REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	AMA

REVISIONS

REW JOB #	07425
DESIGN BY	AMA
DRAWN BY	AMA/EB/SCR
CHECK BY	SCR
DATE	07/18/25
SCALE	NONE

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE: SHEET INDEX

DRAWING NUMBER: **G0002**

REV: **0**

7/17/2025 3:36:01 PM

NOT FOR CONSTRUCTION

Housing Finance Agency

Instructions

2025 Design and Construction Features Form

Project Name: MAPLE TOWER RAD RENOVATIONS | Project Number: 0

Instructions

1. The architectural entity with whom the owner and developer contracted with to provide architectural services will complete the form and obtain all required signatures for the certifications.
2. The project applicant will submit the completed and signed form with the proposal application and this form must be coordinated with the OHFA Scope of Work form.
3. If funded, the project applicant will complete and submit the form again at final application with all changes from what was submitted at proposal application clearly identified.
4. A copy of the final, completed form must also be included in the 80% percent plan sets, copied onto the page(s) following the cover sheet, submitted at final application.

Both a signed PDF and the excel file are required for submission.

All communications related to the architectural review, including submission of architectural plans, must be sent to arch@ohiohome.org

Submission Requirements Checklist

Prelim.	Final	
☑	☑	**The completed, signed Certification.**
☑	☑	**The completed excel file of the DCF form.**
☑	☑	**Scope of Work form.** *(must also be completed at 8609)*
☐	☐	**Exception Request form(s), if applicable.**
	☑	**Asbestos, mold, lead-based paint considerations as required.**
	☐	**Items required to be completed per Phase I or II Environmental Site Assessment, or per applicable Environmental Review performed by OHFA.**
		Drawings/Plans, which must include all of the following:
☑	☐	Cover sheet with name of development, development address, development team, drawing index, code information, and table indicating unit schedule (including accessible, adaptable and sensory impaired units), types and sizes
☑	☐	Site plan
		Including adjacent parcel information (e.g. zoning, roads, railroad tracks, etc.)
		- clearly show the context of the neighborhood that the property will exist
		All site details, and parking data and layouts
☑	☐	Landscape Intent
☐	☐	Demolition Plan
☐	☐	Historic features (adaptive reuse & historic rehabs) *including description at preliminary and plans at final*
☑	☐	Dimensioned floor plans *with preliminary including room designations and proposed finishes*
☐	☐	Exterior elevations with material notations
	☐	Interior elevations with material notations (casework, PGB and MR gypsum board locations, etc.)
☑		Schematic Drawings and/or specifications for HVAC, plumbing, and electrical or similar items included in the scope of work.
☐	☐	Wall sections (if applicable)
	☐	Structure (if applicable)
	☐	Finishes and schedules
	☐	Details
	☐	Mechanical Plans *(recommended to submit schematic or description of mechanical at preliminary submission)*

Drawings must have a dimensioned plumbing plan and control points located for rough-in site verification. All pipes-through-floor and the walls they are intended to be located within must be dimensioned relative to the foundation where they must align with walls and/or islands above.

OHFA strongly encourages a surveyor to locate wall and through-slab pipe penetrations. Foundation over dig must be filled with insulation or forms and then back filled

Prelim.	Final	
☑	☐	**Electronic format (pdf)**

Single PDF file for drawings including all site plans, dimensioned floor plans, elevations, wall sections, structure, finishes, details and mechanical plans.

Separate PDF file for specifications. *(no hard copy)*

☐ **Electronic format (AutoCAD)**

Dimensioned floor plans only, submitted in DXF or DWG AutoCAD R-14 format.
- Required to include the project architect's polylines used for the area calculations as required by BOMA.
- If drawings are externally referenced (xref), submissions must be bound (xbind) prior to creating files for OHFA.
- Proprietary authorship information such as title blocks, Architecture seals, etc. should be removed.
- DXF should be generated from the base file and not a plan sheet file.

☑ ☐ **Hard copy**

Full set of architectural plans, 11"x17" scaled to fit. **Full-size architectural plans will be rejected.**
- Do not submit printed set of specifications set with the drawings

Housing Finance Agency

Development Information

2025 Design and Construction Features Form

Project Name: MAPLE TOWER RAD RENOVATIONS | Project Number: 0

Basic Project Information

Project Name	MAPLE TOWER RAD RENOVATIONS
OHFA Project Number	
LIHTC Type	4% LIHTC
List other OHFA sources	
Address	601 MAPLE AVENUE
City or Township	CINCINNATI
Zip Code	45229
County	HAMILTON
Construction Type	Rehabilitation
Rehab Level *(if applicable)*	Moderate Rehab B
Population Served	Families
Number of Buildings	1
Project Architect*	R. E. Warner & Associates Inc.
General Contractor	
Lead Developer	Cincinnati Metropolitan Housing Authority

** May use a Certified Engineer*

Project Narrative

This project is a selective rehab of all of the apartments in the complex, building and site. The project does not include roof replacement, exterior facade repairs or the elevator mechanical and controls systems. A minimum of 10% of the residential units will be mobility accessible. A minimum of 5% of the residential units will be accessible for the hearing and visually impaired (HVI). All mobility units shall also include visual/hearing impaired upgrades but are not counted toward the HVI unit count.

Design Exception Request Summary

Total Number of Design Exceptions Requested: 0

Provide the total number of exceptions for each category.

0 New Construction:

	Non-OHFA Requirement		Special Consideration		Supply Chain Issues

0 Rehabilitation or Adaptive Reuse:

	Universal Design		Accessibility		Replace items with 75%+ RUL
	Durable Materials - Exterior		Main Entry		Outdoor Recreational Features
	Sidewalks		Durable Materials - Interior		Major Building Components
	Common Areas		Elevators		Interior Doors
	Floor Coverings		Unit Sizes		Bedroom Sizes
	Bathrooms		Kitchen & Appliances		Laundry Facilities
	Supply Chain Issues		Other:		

List of Exceptions Requested:

Summarize each exception requested with a short phrase (1-5 words each).

Wage Rate Requirements

If federal or state funds are utilized in the proposed development, select any regulations that apply to the proposed development.

☑ **Davis Bacon and related acts:**
Davis Bacon Act prevailing wage provisions apply to contractors and subcontractors performing on federally funded or assisted contracts in excess of $2,000 for construction, alteration or repair (including painting and decorating of public buildings or public works).

☑ **Ohio Prevailing Wage:**
Ohio's prevailing wage laws apply to all public improvements financed in whole or in part by public funds when the total overal project cost is fairely estimated to be more than $200,000 for new construction or $60,000 for reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting.

☑ **HUD Section 3 Requirements:**
HUD Section 3 is a provision of the Housing and Urban Development (HUD) Act of 1968 requiring that recipients of certain HUD financial assistance, to the greatest extent feasible, provide job training, employment, and contracting opportunities for low- or very low-income residents in connection with projects and public works.

☐ **None of the above are applicable**

Sustainability

Are all energy efficiency requirements as stated in the **Ohio Building Code** or **Residential Code**?

☑ Yes, Development will meet all energy efficiency requirements as stated in the Ohio Building Code or Residental Code.
☐ No.

Third Party Certification selected:

Must specify full name of certification being sought. Exception requests must clearly articulate why the selected certification is equivalent or better to the three certifications.

☑ Enterprise Green Communities Certification or EGC Plus Certification
☐ LEED Residential - Silver Level Certification or higher
☐ National Green Building Standard (NGBS) - Silver Level Certification or higher

With Energy Star Homes or Energy Star MFNC compliance verified by a HERS rater

☐ Exception for: *list the certification being selected.*

HERS Rater (organization): Emerald Built Environments | Phone: 216-452-0909 | Email: www.emeraldbe.com

Housing Finance Agency

Contact Information

2025 Design and Construction Features Form

Project Name: MAPLE TOWER RAD RENOVATIONS | Project Number: 0

Project Contacts

Project Architect or Certified Engineer Information

Name:	R. E. Warner & Associates Inc.	Contact Name:	Andrew Henley
Address:	25000 Country Club Blvd. Suite 340	Title:	Architect of Record
City:	North Olmsted	Telephone Number:	440-935-9400
County:	Cuyahoga	Cell Phone Number:	
State:	Ohio	E-Mail Address:	ahenley@rewarner.com
Zip Code + 4:	44070		

General Contractor Information

Name:	Enter on Project Information	Contact Name:	
Address:		Title:	
City:		Telephone Number:	
County:		Cell Phone Number:	
State:		E-Mail Address:	
Zip Code + 4:			

Lead Developer Information

Name:	Cincinnati Metropolitan Housing Authority	Contact Name:	Michael Koch
Address:	1627 Western Avenuw	Title:	Manager - Design Services
City:	Cincinnati	Telephone Number:	513-617-3840
County:	Hamilton	Cell Phone Number:	
State:	Ohio	E-Mail Address:	michael.koch@cintimha.com
Zip Code + 4:	45214		

Co-Developer Information (if applicable)

Name:		Contact Name:	
Address:		Title:	
City:		Telephone Number:	
County:		Cell Phone Number:	
State:		E-Mail Address:	
Zip Code + 4:			

Co-Developer 2 Information (if applicable)

Name:		Contact Name:	
Address:		Title:	
City:		Telephone Number:	
County:		Cell Phone Number:	
State:		E-Mail Address:	
Zip Code + 4:			

Development Consultant Information (if applicable)

Name:		Contact Name:	
Address:		Title:	
City:		Telephone Number:	
County:		Cell Phone Number:	
State:		E-Mail Address:	
Zip Code + 4:			

Historic Consultant Information (if applicable)

Name:		Contact Name:	
Address:		Title:	
City:		Telephone Number:	
County:		Cell Phone Number:	
State:		E-Mail Address:	
Zip Code + 4:			

Housing Finance Agency

Amenities & Scope of Work Summary

2025 Design and Construction Features Form

Project Name: MAPLE TOWER RAD RENOVATIONS | Project Number: 0

Amenities

Amenities listed below are not required, and any amenities that are part of the project design must be identified below. Those required for competitive criteria are identified separately.

☐ Athletic Field	☐ Counseling Room(s)	☐ Indoor Play Area	☐ Security Gate(s)
☐ Basketball Court	☐ Covered Mailboxes	☑ Laundry Room(s)	☐ Service Coordinator Office
☐ Bike Racks	☐ Day Care	☐ Media/Library Room	☐ Splash Pads
☐ Bicycle Storage	☐ Dog Park(s)	☐ Outdoor Exercise Area	☐ Swimming Pool
☐ Clubhouse	☐ Exercise Room(s)	☑ Patio(s)	☐ Water Features
☐ Community Building	☐ Exterior Tenant Storage	☐ Playground Area(s)	☐ Walking Paths
☑ Community Room(s)	☐ Garage(s)	☐ Raised Garden Beds	☐ Wellness Center
☑ Computer Room(s)	☐ Gazebo/Pavilion	☑ Security Alarm System	

List any additional features that are included to benefit the population being served.

1. Indoor Kitchenette area
2. New Handicap Parking

Design-Related Competitive Criteria *(for 9% LIHTC)*

Select the items below that the development is seeking competitive points for under the 2024 QAP.

☐ Property-wide Wi-Fi (no cost to residents)	☐ A minimum 400 sqft. Outdoor patio area for residents that is at least 50% covered
☐ Energy Star-certified washer and dryer in all units	☐ An outdoor playground area *(new affordabilty - general & preserved affordability)*
☐ Energy Star-certified dishwasher in all units	☐ Roll-in showers in at least 50% of the total units *(new affordability - senior)*
☐ Exercise Room	

Scope of Work Summary

Must also submit the Scope of Work Excel Workbook, available under the forms of the program webpage.

Provide an overview of the proposed improvements to be made involving site design, building design, mechanical and electrical systems and building components including building exterior, interior, and life safety items.

1. The project involves various site improvements to enhance accessibility, safety, and aesthetics.
2. Replacing the deteriorating walkway, constructing an ADA-compliant sidewalk connection, and upgrading the building entrance for improved accessibility.
3. Landscaping improvements will include updated foundation planting, new plantings around the patio, and additional greenery to screen and protect dumpster locations.
4. Rehabilitation of 120 apartment units. Converting 12 to fully accessible units and 6 to visually and sensory imparied units.
5. Restoration of the exisiting interior finishes, kitchens, bathrooms etc. for all apartment units.
6. New finishes in common corridors, lobby and community room.
7. Replacement of all plumbing fixtures in the kitchens and bathroom areas, including lavatories, toilets, tub and shower
8. Converting public restrooms into handicap accessible restrooms
9. Creating handicap parking and accessible building entry
10. Replacement of hot water boiler and HVAC unit
11. Replacement of sanitary and storm pipes (TBD)
12. New LED fixtures in all units and replacement of electrical panels.
13. New smoke and CO2 alarms in all units

Address any issues raised in the Phase I Environmental Site Assessment (ESA) report(s) in the space provided below. Include information for all single-site and scattered-site proposals, as required by applicable program funding guidelines.

Housing Finance Agency

Amenities & Scope of Work Summary

2025 Design and Construction Features Form

Project Name: MAPLE TOWER RAD RENOVATIONS | Project Number: 0

Additional Scope Information for Rehabs & Adaptive Reuse

For any developments involving acquisition and rehabilitation or adaptive reuse, provide a narrative describing the history of improvements made to the building(s) and/or units.

N/A

For any developments proposing adaptive reuse or rehabilitation with historic tax credits, specify any restrictions or requirements that will be used to determine compliance with the Ohio Historic Preservation Tax Credit and/or Federal Historic Preservation Tax Credit programs.

N/A

Construction Type: Rehabilitation
Rehab Level (if applicable): Moderate Rehab B
Major Building System 1:
Major Building System 2:

Address any issues raised in the Physical Capital Needs Assessment (PCNA) and Scope of Work report(s) in the space provided below. Include information for all developments proposing rehabilitation of existing units or the adaptive reuse of a building at proposal submission, especially where the scope of work and PCNA do not agree. The description must identify and quantify work included for each selected Major Building System and coordinated with the Scope of Work form.

Housing Finance Agency

Development Details & Floor Area Details

2025 Design and Construction Features Form

Project Name: MAPLE TOWER RAD RENOVATIONS | Project Number: 0

Development Details

Number of sites:	One	Number of buildings that includes commerical space:	None
Site Acreage:	3.093		
Number of residential buildings:	One	Number of Units:	
Number of accessory buildings:	None	efficiency	0
		one-bedroom	114
Total Number of units:	120	two bedroom	6
Low-income Units:	120	three-bedroom	0
		four bedroom	0
Date built:	1965		

For proposals involving acquisition/rehabilitation or adaptive reuse, please specify the year the building(s) were originally constructed. For multiple building proposals, a range of dates may be provided.

Date first occupied: 1965

Year development was or will be occupied. For multiple building proposals or scattered site projects, a range of dates may be provided.

List detrimental land uses sufficiently close to impair residents' use. Include remedy addressing the land use.

N/A

List building/zoning variances, and identify if requested, pending or received:

N/A

Housing Finance Agency

Development Details & Floor Area Details

2025 Design and Construction Features Form

Project Name: MAPLE TOWER RAD RENOVATIONS | Project Number: 0

Floor Area Details

Total Number of Low Income Units: 120

Space	GSF	Notes
Gross Square Footage of all Buildings	84,677	Measures from exterior face of exterior building; includes structured exterior spaces (stair, balcony, portico).
Commercial Space Condominium Areas	0	Legally separate space under control of another program or condominimized legal separation.
Commercial Areas and Fee-Driven Space	0	Includes spaces for which residents must pay a fee for use/access (garages, storage, etc.)
Market Rate Unit Area	0	Must include lofts, mezzanine and restricted headroom areas
Low Income Unit Area	60,270	Must include lofts, mezzanine and restricted headroom areas
Manager's Unit Area	0	Must include lofts, mezzanine and restricted headroom areas
Common Area (Public)	4,113	Public restrooms, community rooms, libaries, offices, meeting rooms, kitchens, car canopy, portico, fitness rooms, laundry, mailboxes.
Common Area (Circulation)	12,673	Public hallways, stairways, and corridors to residential units.
Dedicated Program Space	213	Counseling space, wellness and health clinic, day care centers, etc.
Limited Common Area (Private)	0	Exterior spaces with access only through residential unit, i.e. balcony/porch/deck (patios without roof are not included).
Support	4,389	Electrical, mechanical, elevator room, sprinkler room, janitorial, trash, maintenance, storage that is not for tenant use, free-standing maintenance buildings.
Tenant Storage	0	Tenant storage outside of unit.
Major Vertical Penetrations	7,681	Includes duct shafts, stair shaft, elevator shaft, space open to below
Structured Parking/Garage	0	Attached or detached garage that residents do not pay a fee for.
Basement	0	Includes spaces with a minimum of 7' clear head height. Spaces less than 7' clear head space are crawl spaces per RCO 305.
TOTALS		
Non Low-income Floor Area	0	Commercial Space Condo Areas + Commercial Areas + Market Rate Unit Area
Low Income Floor Area	72,943	LI Unit Area + Common Area (Circulation) + Limited Common Area (Private) + Tenant Storage
% Common Area	19.82%	Common Area (Public) + Common Area (Circulation) / Gross Square Footage
Net Rentable Square Footage	84,677	Gross Square Footage - Non Low-Income Floor Area
Average net Rentable SQFT per LI Unit	705.6416667	Net Rentable Square Footage / Total Number of Low-Income Units

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CONSULTANT INFO

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North Olmsted, OH 44070

REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	AMA

REVISIONS

REW JOB #	07425
DESIGN BY	AMA
DRAWN BY	AMA/EB/SCR
CHECK BY	SCR
DATE	07/18/25
SCALE	NONE

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
2024 DESIGN AND CONSTRUCTION FEATURES FORM

DRAWING NUMBER: **G0011**

REV: **0**

7/17/2025 3:36:04 PM

Housing Finance Agency

Accessibility Information

2025 Design and Construction Features Form

Project Name MAPLE TOWER RAD RENOVATIONS *Project Number* 0

Adaptability & Accessibility

All developments must comply with all accessibility requirements as outlined in the Ohio Building Code, chapter 4101:1-11 for the design and construction of accessible project features, including site, common areas and units.

- ☑ Yes, the project will comply with the accessibility requirements as outlined in the Ohio Building Code.
- ☐ No.

Verify that the project will be designed and constructed to meet the requirements of the Fair Housing Act and that all units, other than the accessible units, will be designed and constructed as ANSI Type B units.

- ☑ Yes, the project will be designed and constructed to meet the requirements of the Fair Housing Act and all units, other than the accessible units, will be designed and constructed as ANSI Type B units.
- ☐ No.

504 Accessibility

All developments receiving OHFA funding must meet the accessibility requirements of Section 504. Identify the implementing standard the development will utilize to demonstrate compliance with Section 504 requirements (select one)

- ☑ Uniform Federal Accessibility Standards (UFAS)
- ☐ 2010 ADA Standards for Accessible Design under Title II of the ADA, except for certain specific identified provisions, as detailed in HUD's Notice on "Instructions for use of alternative accessibility standard," published in the Federal Register on May 23, 2014 ("Deeming Notice").
- ☐ An equivalent standard as defined in HUD's Deeming Notice (such as ICC/ANSI A117.1-2009 with OEBC 2024 or ICC/ANSI A117.1-2017 with ICC/OCB 2024), specify:

	Required	Provided
504 Mobility Units*:	6	12
504 Sensory Units:	3	6

Number of accessible parking spaces: 3

** Providing twice the number that is federally mandated under Section 504 as accessible for persons with mobility disabilities. To calculate the number of 504-mobility units needed to meet this threshold standard, first multiply the total number of units by 5%, roundup to the nearest whole unit, and multiply the result by two.*

Accessibilty Exception Requests (adaptive reuse or rehabilitation only)

Exception(s) Reqested for technical infeasibility of full compliance with 504 accessiblity. (adaptive reuse or rehabilitation only)

- ☐ Yes, Number of non-conforming accessible units: 0
- ☑ No.
- ☐ N/A.

Please provide a summary for the reason there is technical infeasibility. Each exception request must provide details that identify and quantify the technical infeasibility with supporting documentation and drawings.

Housing Finance Agency

Universal Design Information

2025 Design and Construction Features Form

Project Name MAPLE TOWER RAD RENOVATIONS *Project Number* 0

Universal Design Components

Select all of the below items that will be included in the development. Refer to the Design and Architectural Standards that are effective at the time application. Mandatory items are marked with an **R**, please identify "exception" under "page or note" if an exception was requested for the item. Exceptions for mandatory items must include two non-mandatory items.

Additionally, specify the architectural page reference, or if it will be covered by a general/universal plan note, mark "Note".

Entry

Included?	*Page or Note*	*Item*
R	Drawing	36"-wide (minimum) entry door
		- *On rehab/adaptative reuse only, not required on all units if infeasibility can be proven*
R	Note	Entry door with lever-style handle
R	Drawing	For primary entrance, minimum 5' x 5' level clear space inside and outside entry door
R	Drawing	Adequate non-glare lighting at walkways, accessible routes, and exterior spaces
R	Drawing	Adequate lighting both inside and outside the building and unit entrance
R	Note	High visibility address numbers (both building and exterior units)
R	Drawings	Overhead weather protection at entrances
		- *On rehab/adaptative reuse only, not required on all units if infeasibility can be proven*
☐		Built-in shelf/bench/ledge located outside the door
☐		Nonslip surfaces on walkways and entryways
☐		Primary unit entry with an accessible/dual peephole and backlit doorbell
☐		Door locks that are easy to operate, such as keyless locks with remote control or keypad
☐		No-step entry (1/2" or less threshold) at main entrance

Interior Stairs and Hallways

Included?	*Page or Note*	*Item*
R	Drawing	Adequate lighting to illuminate all stairway(s), landings, and hallway(s)
R	Drawing	Hallways with a minimum width of 42"
R	note	Anti-slip strips on front edge of steps in color-contrast material
☐		Color contrast between stair treads and risers
☐		Handrails on both sides of interior stairs

Interior Doors

Included?	*Page or Note*	*Item*
R	Drawing	34"-wide (minimum) doors leading to habitable room, allowing for a 32" minimum clearance
R	Drawing	Lever-style door hardware on all interior doors
R	Note	Interior maximum door threshold of ¾ inch beveled or flush
☐		Pocket doors with easy-to-grip handles

Faucets

Included?	*Page or Note*	*Item*
R		Anti-scald faucets with lever handle for all sinks, bathtubs, and showers
R		Pressure balanced faucets

Electrical

Included?	*Page or Note*	*Item*
R	Exception	Thermostat and control panels that are easy to read and simple to operate
R	Drawing	Rocker, touch light, or hands-free switches
R	Exception	Extra electrical outlets (for medical equipment or rechargeable items, etc.) placed 18" to 24" above finished floor (bedroom only)
☐		Lighted switches visible in the dark
☐		Switched outlets for lamps, etc. to be turned on with wall switch
☐		Electrical outlets, phone jacks, and data ports at least 18" above finished floor
☐		Light switches between 44"-48" above finished floor; thermostats no more than 48" above finished floor
☐		Clear access space of 30" by 48" in front of switches, outlets, and controls
☐		Audible and visual alarms for smoke/fire/carbon monoxide in all code-required accessible areas and all units

Housing Finance Agency

Universal Design Information

2025 Design and Construction Features Form

Project Name MAPLE TOWER RAD RENOVATIONS *Project Number* 0

Bathrooms

Included?	*Page or Note*	*Item*
R	Note	Countertops with beveled/radiused corners. Outside corners are suggested to be a two-inch corner radius, waterfall edge with oneinch radius, c
R	Note	Adjustable-height showerhead (articulated arm or similar) or hand-held showerhead with flexible hose and easily operable controls
R	Drawing	Non-glare lighting at vanities
☐		A full- or half-bath on the main floor with clear floor space of 30" x 48"
☐		Overhead light fixture in tub/shower
☐		Mirror(s) placed for both standing and sitting, such as a full-length or tilting mirror
☐		Toilet centered at least 18" from any side wall, tub, or cabinet
☐		In at least one bathroom per unit, including the following:
		- Low-threshold or curbless shower at least 5' x 3' OR ADA bathtub with seat
		- Clear knee space (at least 27" high) under sink. May be open knee space or achieved by means of removable vanity or fold-back or self-storing doors. Pipe protection panels must be provided to prevent contact with hot or sharp surfaces.
		- Grab bars, or wall-blocking for future installation of grab bars, in tub/shower, and toilet. Grab bars must be properly anchored and supported.

Kitchens

Included?	*Page or Note*	*Item*
R	Drawing	At least 15" clear space/"landing zone" on each side of stove and sink, and at least one side of refrigerator. This is countertop clear space and may be shared with another appliance and/or required work surface if applicable.
R	Note	Loop handles on drawers and cabinets
R	Drawing	Non-glare task lighting to illuminate sink, stove, and work areas
☐		Adjustable height shelves in wall cabinets
☐		Base cabinets with pull out drawers
☐		Pull-out work surface near the oven, refrigerator and/or microwave
☐		Visual contrast at front edge of countertop or between the countertop and the cabinets
☐		Side-by-side refrigerator-freezer
☐		Cooktop/range with front or side-mounted controls (senior units only)
☐		Extra outlets for small appliances, electronics, etc.
☐		Clear knee space (at least 27" high) under sink, counters, and/or cook tops. If under sink, pipes must have protection and may not be in the required knee space. May be open knee space or achieved by means of removable base cabinets or fold-back or self-storing doors.

Closets

Included?	*Page or Note*	*Item*
☐		Area is well-lit with a switch located outside the space
☐		Doors and handles that are easy to operate. No bi-fold or accordion-type doors
☐		Adjustable-height shelving and/or closet rods OR clothes rods installed at multiple heights
☐		Pull out-shelves, rollout cabinets, and other easy to access storage components

Housing Finance Agency

Certifications

2025 Design and Construction Features Form

Project Name MAPLE TOWER RAD RENOVATIONS *Project Number* 0

Certifications

We represent, warrant and certify to OHFA that the following does and will apply to the proposed development:

The Development will be designed and constructed to meet the requirements of all applicable laws, codes, program guidelines, as well as the OHFA Design and Architectural Standards and specific features applicable to the project as outlined in this form. This includes any and all local, state, or federal accessibility laws that currently exist and apply to the project. Any additional cost of construction required for the Development to be in compliance with any of these laws has been included in the development budget.

By signing this document, the owner, architect, and general contractor certify that the plans, specifications, and features submitted as part of this application will become a minimum standard for the proposed development. This hereby becomes a binding agreement for the actual construction intent if the development is awarded OHFA funding.By signing this document, the owner, architect, and general contractor certify that the plans, specifications, and features submitted as part of this application will become a minimum standard for the proposed development. This hereby becomes a binding agreement for the actual construction intent if the development is awarded OHFA funding.

OHFA does not take responsibility for design, construction, and plan review or any other municipal or building department review or approval and in no way does this agreement supersede any requirement by such jurisdictions.

OHFA reserves the right to verify compliance with agreed-upon features including durability of materials, accessibility, universal design, green building requirements and energy efficiency components.

1. Architect or Professional Engineer

I certify that the plans, specifications, and scope of work for the Development meet, and will continue to meet, any and all requirements including those set forth in this form, the OHFA Design and Architectural Standards, and all other applicable laws, codes, program guidelines or policy documents.

I understand that I am contractually obligated to know the federal, state and local accessibility laws applicable to the Development and have applied them accordingly. To the best of my professional knowledge and belief, I agree that the Development as designed is in compliance with all applicable federal, state and local housing and accessibility laws and regulations.

Authorized Signatory — Date

Andrew V. Henley — Print Name (Authorized Signatory)

Architect of Record — Title

R.E. Warner & associates Inc. — Organization

ARC.1717159 — Registration Number

2. General Contractor

I certify that I have reviewed the plans, specifications, and scope of work for the Development and that the Development will be constructed in accordance with any and all requirements as set forth in this form, the OHFA Design and Architectural Standards, and all other applicable laws, codes, program guidelines or policy documents.

I understand that I am obligated to know the federal, state and local accessibility laws applicable to the Development and will build the project accordingly.

Authorized Signatory — Date

Print Name (Authorized Signatory) — Title

Organization

Housing Finance Agency

Certifications

2025 Design and Construction Features Form

Project Name MAPLE TOWER RAD RENOVATIONS *Project Number* 0

3. Owner

I certify that I have reviewed the plans, specifications, and scope of work for the Development and that the Development shall be constructed in accordance with any and all requirements as set forth in this form, OHFA Design and Architectural Standards, and all other applicable laws, codes, program guidelines or policy documents.

The undersigned understands that any deviations from federal and state accessibility requirements are the responsibility of the Owner and, as such, Owner is responsible for such deviations.

Further, if for any reason, the features are not constructed in accordance with the requirements set forth above, the undersigned understands that OHFA may revoke or recapture the Development's funding and/or limit or prohibit the future participation of the undersigned, any subsidiaries or related entities in OHFA programs.

Authorized Signatory — Date

Michael Koch — Print Name (Authorized Signatory)

Manager Design Services — Title

Cincinnati Metropolitan Housing Authority — Organization

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CONSULTANT INFO

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North Olmsted, OH 44070

REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	AMA

REVISIONS

REW JOB #	07425
DESIGN BY	AMA
DRAWN BY	AMA/EB/SCR
CHECK BY	SCR
DATE	07/18/25
SCALE	NONE

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
2024 DESIGN AND CONSTRUCTION FEATURES FORM

DRAWING NUMBER: **G0012**

REV: **0**

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CODE COMPLIANCE DATA

GENERAL BUILDING INFORMATION

APPLICABLE CODES:

- 2024 OHIO EXISTING BUILDING CODE
- 2024 OHIO BUILDING CODE (IBC 2021 AMENDED)
- 2017 OHIO FIRE CODE
- OHIO FIRE SPRINKLER CODE 2022 (NFPA 13, 2022 NOT AMENDED)
- OHIO FIRE ALARM CODE 2022 (NFPA 72, 2022 NOT AMENDED)
- 2024 OHIO PLUMBING CODE (IPC 2021 AMENDED)
- 2024 OHIO MECHANICAL CODE (IMC 2021 AMENDED)
- OHIO FUEL GAS CODE 2021, (IFGC 2021 NOT AMENDED)
- OHIO ELECTRICAL CODE 2023 (NFPA 70, 2023 AMENDED)
- OHIO ACCESSIBILITY CODE 2017, (A117.1, 2017 AMENDED)
- CINCINNATI BUILDING CODE (CBC)
- OHIO ENERGY CONVSERVATION CODE 2017

GENERAL BUILDING INFORMATION:

- CONSTRUCTION TYPE: IB
- FIRE SPRINKLER SYSTEM: NO
- FIRE PROTECTION STANDPIPE: YES (IN TWO STAIRWELLS)
- FIRE ALARM: YES
- USER GROUPS: A-3, B-1, R-2, S-2

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS:

TABLE 504.3 - ALLOWABLE HEIGHT IN FEET ABOVE GRADE PLANE

EXISTING BUILDING (NO CHANGE):

HEIGHT ABOVE FINISHED GRADE (MAX): +/- 107'

TABLE 506.2 ALLOWABLE AREA DETERMINATION

ALLOWABLE VS. ACTUAL SQUARE FOOTAGE:
EXISTING BUILDING (NO CHANGE)

TABLE 508.4 - REQUIRED SEPARATION OF OCCUPANCIES

EXISTING BUILDING (NO CHANGE)

R-2 TO A-3:	2 HOURS
FURNACE ROOM:	1 HOUR
BOILER EQUIPMENT ROOM:	1 HOUR
REFRIGERANT MACHINERY ROOM:	1 HOUR
LAUNDRY ROOMS > 100 SF:	1 HOUR
SHAFT ENCLOSURE:	2 HOURS
CORRIDOR RATING:	1 HOUR
CORRIDOR DOOR RATING:	1/3 HOUR

CHAPTER 6 - TYPES OF CONSTRUCTION:

TABLE 601 FIRE RESISTANCE RATING REQS. FOR BLDG ELEMENTS (HRS)

BUILDING ELEMENT	FIRE RESISTANCE RATING
PRIMARY STRUCTURAL FRAME:	*2 HR*
EXTERIOR BEARING WALLS:	*2 HR*
INTERIOR BEARING WALLS:	*2 HR*
INTERIOR NON BEARING WALLS:	*0 HR*
FLOOR CONSTRUCTION:	*2 HR*
ROOF CONSTRUCTION:	*1 HR*

CHAPTER 8 - INTERIOR FINISHES:

TABLE 803.13 INTERIOR WALLS & CEILING FINISH REQS BY OCCUPANCY

INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS:

GROUP A-3:	*CLASS 'A'*
GROUP B-1:	*CLASS 'A'*
GROUP R-2:	*CLASS 'B'*
GROUP S-2:	*CLASS 'B'*

CORRIDORS & ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS:

GROUP A-3:	*CLASS 'A'*
GROUP B-1:	*CLASS 'B'*
GROUP R-2:	*CLASS 'B'*
GROUP S-2:	*CLASS 'B'*

ROOMS AND ENCLOSED SPACES:

GROUP A-3:	*CLASS 'C'*
GROUP B-1:	*CLASS 'C'*
GROUP R-2:	*CLASS 'C'*
GROUP S-2:	*CLASS 'C'*

CHAPTER 29 - PLUMBING SYSTEMS:

TABLE 2902.1 PLUMBING FIXTURE REQUIREMENTS

GROUND FLOOR - PLUMBING FIXTURES

A-3 : ASSEMBLY	OCCUPANTS: 134					67 M / 67 F
AUDITORIUMS W/O PERMANENT SEATING, ART GALLERIES, EXHIBITION HALLS, MUSEUMS, LECTURE HALLS, LIBRARIES, ARCADES AND GYMNASIUMS	WATER CLOSET		LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	M	F	1			
	1	2		0	1	1 SERVICE SINK

B-1 : BUSINESS	OCCUPANTS: 1				
BUILDING FOR THE TRANSACTION OF BUSINESS, PROFESSIONAL SERVICES, OTHER SERVICES INVOLVING MERCHANDISE, OFFICE BUILDING, BANKS, LIGHT INDUSTRIAL AND SIMILAR USES	WATER CLOSET	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	1	1	0	1	1 SERVICE SINK

S : STORAGE	OCCUPANTS: 13				
STRUCTURES FOR THE STORAGE OF GOODS, WAREHOUSES, STOREHOUSES AND FREIGHT DEPOTS, LOW AND MODERATE HAZARD	WATER CLOSET	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	1	1	0	1	1 SERVICE SINK

TOTAL PROVIDED:	1	2	1	1	0	1	1 SERVICE SINK

1ST FLOOR - PLUMBING FIXTURES

A-3 : ASSEMBLY	OCCUPANTS: 134					67 M / 67 F
AUDITORIUMS W/O PERMANENT SEATING, ART GALLERIES, EXHIBITION HALLS, MUSEUMS, LECTURE HALLS, LIBRARIES, ARCADES AND GYMNASIUMS	WATER CLOSET		LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	M	F	1			
	1	2		0	1	1 SERVICE SINK

B-1 : BUSINESS	OCCUPANTS: 1				
BUILDING FOR THE TRANSACTION OF BUSINESS, PROFESSIONAL SERVICES, OTHER SERVICES INVOLVING MERCHANDISE, OFFICE BUILDING, BANKS, LIGHT INDUSTRIAL AND SIMILAR USES	WATER CLOSET	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	1	1	0	1	1 SERVICE SINK

R-2 : RESIDENTIAL	DWELLING UNITS: 14					
APARTMENT HOUSE	WATER CLOSET	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	KITCHEN SINKS	CLOTHES WASHERS
	14	14	14	0	14	1

S : STORAGE	OCCUPANTS: 13				
STRUCTURES FOR THE STORAGE OF GOODS, WAREHOUSES, STOREHOUSES AND FREIGHT DEPOTS, LOW AND MODERATE HAZARD	WATER CLOSET	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	1	1	0	1	1 SERVICE SINK

TOTAL PROVIDED:	1	2	1	1	0	1	1 SERVICE SINK

2ND & 3RD FLOOR - PLUMBING FIXTURES

R-2 : RESIDENTIAL	DWELLING UNITS: 17					
APARTMENT HOUSE	WATER CLOSET	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	KITCHEN SINKS	CLOTHES WASHERS
	17	17	17	0	17	1

S : STORAGE	OCCUPANTS: 1				
STRUCTURES FOR THE STORAGE OF GOODS, WAREHOUSES, STOREHOUSES AND FREIGHT DEPOTS, LOW AND MODERATE HAZARD	WATER CLOSET	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	1	1	0	1	1 SERVICE SINK

TOTAL PROVIDED:	1	2	1	1	0	1	1 SERVICE SINK

4TH THRU 8TH FLOOR - PLUMBING FIXTURES

R-2 : RESIDENTIAL	DWELLING UNITS: 12					
APARTMENT HOUSE	WATER CLOSET	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	KITCHEN SINKS	CLOTHES WASHERS
	12	12	12	0	12	1

S : STORAGE	OCCUPANTS: 1				
STRUCTURES FOR THE STORAGE OF GOODS, WAREHOUSES, STOREHOUSES AND FREIGHT DEPOTS, LOW AND MODERATE HAZARD	WATER CLOSET	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	1	1	0	1	1 SERVICE SINK

TOTAL PROVIDED:	1	2	1	1	0	1	1 SERVICE SINK

9TH FLOOR - PLUMBING FIXTURES

R-2 : RESIDENTIAL	DWELLING UNITS: 12					
APARTMENT HOUSE	WATER CLOSET	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	KITCHEN SINKS	CLOTHES WASHERS
	12	12	12	0	12	1

S : STORAGE	OCCUPANTS: 1				
STRUCTURES FOR THE STORAGE OF GOODS, WAREHOUSES, STOREHOUSES AND FREIGHT DEPOTS, LOW AND MODERATE HAZARD	WATER CLOSET	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	1	1	0	1	1 SERVICE SINK

TOTAL PROVIDED:	1	2	1	1	0	1	1 SERVICE SINK

OCCUPANCY / USE GROUPS - OVERALL

PER OBC SECTIONS: 302.1 - 312.1, TABLE 1004.5

ROOM NAME	ROOM AREA (SF)	OCCUPANCY TYPE	OCCUPANT LOAD FACTOR	OCCUPANT LOAD TOTAL #
GROUND FLOOR				
A-3 : ASSEMBLY				
012 - COMMUNITY ROOM	1,822 SF	ASSEMBLY: UNCONCENTRATED (TABLE & CHAIRS)	15	122
	1,822 SF			122
S-1 : MODERATE-HAZARD STORAGE				
001 - MAINTENANCE ROOM	668 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	3
002 - FIRE COMMAND CENTER	204 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
003 - MECH EQUIP.	1,003 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	4
005 - INCENERATOR ROOM	278 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
006 - AIR CONDITIONER ROOM	121 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
024 - CHAIR STORAGE ROOM	182 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
025 - ELEC EQUIPMENT ROOM	113 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
026 - TRANSFORMER ROOM	120 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
	2,689 SF			13
FLOOR 1				
A-3 : ASSEMBLY				
104 - A.C. ROOM	40 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
101 - VESTIBULE	365 SF	ASSEMBLY: STANDING SPACE	5	73
102 - LOBBY	151 SF	ASSEMBLY: STANDING SPACE	5	31
116 - SOCIAL WORKER	342 SF	ASSEMBLY: UNCONCENTRATED (TABLE & CHAIRS)	15	23
105 - MAIL ROOM	68 SF	BUSINESS AREAS	150	1
107 - WASHROOM	33 SF	BUSINESS AREAS	150	1
	999 SF			130
B: BUSINESS				
104 - RECEPTION	140 SF	BUSINESS AREAS	150	1
106 - MANAGER OFFICE	177 SF	BUSINESS AREAS	150	2
109 - CASHIERS	105 SF	BUSINESS AREAS	150	1
	421 SF			4
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	6,219 SF	RESIDENTIAL	200	32
RESIDENTIAL UNITS	3,614 SF	RESIDENTIAL	200	19
	9,833 SF			51
S-2 : LOW-HAZARD STORAGE				
110 - STORAGE	295 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
	295 SF			1
FLOOR 2				
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	10,886 SF	RESIDENTIAL	200	55
	10,886 SF			55
S-2 : LOW-HAZARD STORAGE				
202 - STORAGE	295 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
	295 SF			1
FLOOR 3				
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	10,848 SF	RESIDENTIAL	200	55
	10,848 SF			55
S-2 : LOW-HAZARD STORAGE				
302 - STORAGE	295 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
	295 SF			1
FLOOR 4				
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	6,929 SF	RESIDENTIAL	200	35
401 - ELEVATOR LOBBY	273 SF	RESIDENTIAL	200	2
	7,202 SF			37
S-2 : LOW-HAZARD STORAGE				
402 - LAUNDRY	295 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
	295 SF			1
FLOOR 5				
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	6,898 SF	RESIDENTIAL	200	35
502 - LAUNDRY	295 SF	RESIDENTIAL	200	2
	7,193 SF			37
FLOOR 6				
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	6,898 SF	RESIDENTIAL	200	35
	6,898 SF			35
S-2 : LOW-HAZARD STORAGE				
602 - STORAGE	295 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
	295 SF			1
FLOOR 7				
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	6,898 SF	RESIDENTIAL	200	35
701 - ELEVATOR LOBBY	273 SF	RESIDENTIAL	200	2
702 - LAUNDRY	295 SF	RESIDENTIAL	200	2
	7,466 SF			39
FLOOR 8				
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	6,898 SF	RESIDENTIAL	200	35
801 - ELEVATOR LOBBY	273 SF	RESIDENTIAL	200	2
802 - LAUNDRY	295 SF	RESIDENTIAL	200	2
	7,466 SF			39
FLOOR 9				
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	6,930 SF	RESIDENTIAL	200	35
	6,930 SF			35
S-2 : LOW-HAZARD STORAGE				
903 - STORAGE	72 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
	72 SF			1
ROOF				
S-2 : LOW-HAZARD STORAGE				
903 - PENTHOUSE	223 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
904 - ELEVATOR CONTROL ROOM	273 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1
	496 SF			2
TOTALS:	82,697 SF			660

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DATE	07/18/25
SCALE	NONE

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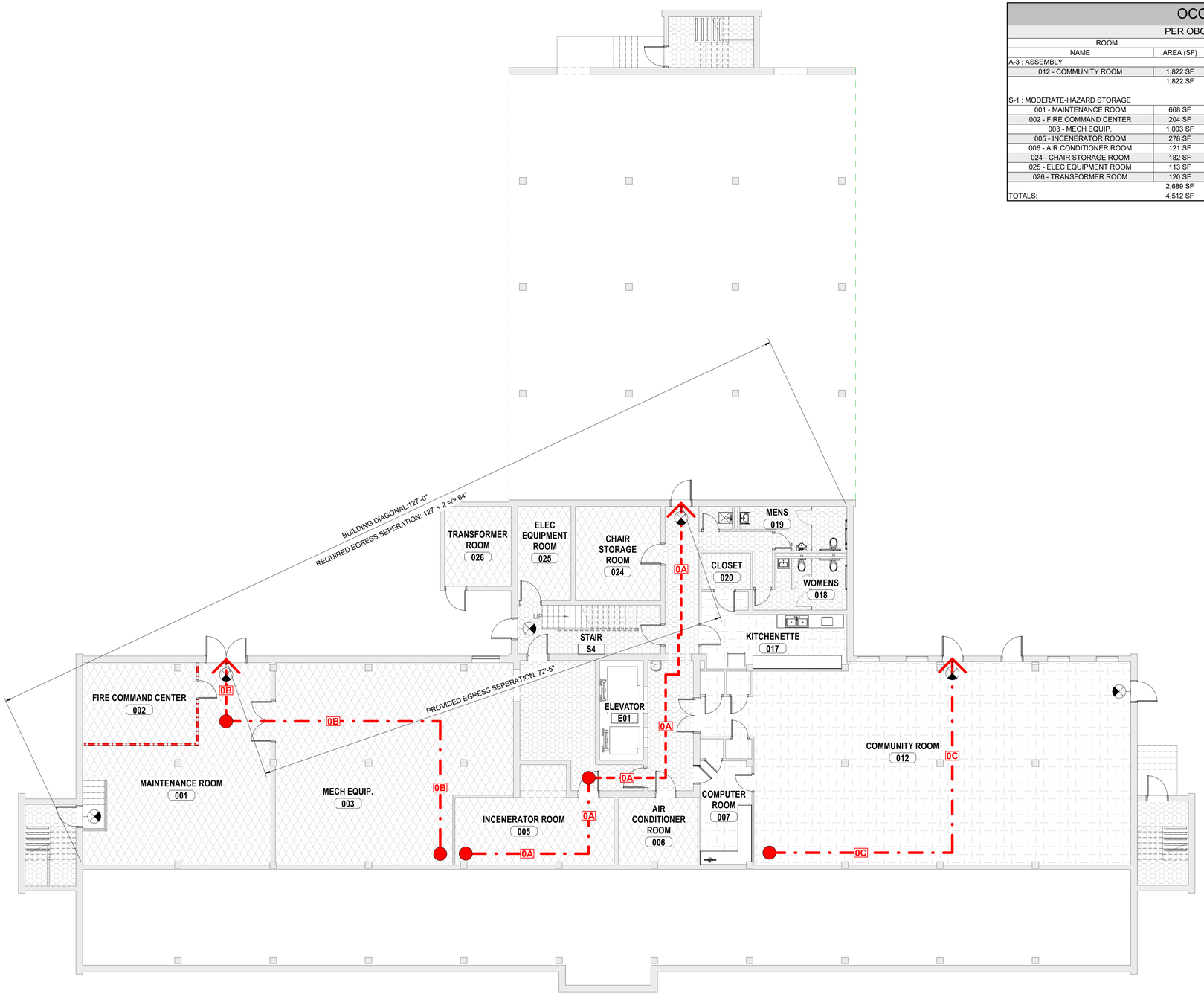
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601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
CODE INFORMATION

DRAWING NUMBER:
G1000

REV:
0

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OCCUPANCY / USE GROUPS

PER OBC SECTIONS: 302.1 - 312.1, TABLE 1004.5

ROOM NAME	AREA (SF)	OCCUPANCY TYPE	OCCUPANT LOAD FACTOR	OCCUPANT LOAD TOTAL #
A-3 : ASSEMBLY				
012 - COMMUNITY ROOM	1,822 SF	ASSEMBLY: UNCONCENTRATED (TABLE & CHAIRS)	15 NET	122
	1,822 SF			122
S-1 : MODERATE-HAZARD STORAGE				
001 - MAINTENANCE ROOM	668 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	3
002 - FIRE COMMAND CENTER	204 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	1
003 - MECH EQUIP.	1,003 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	4
005 - INCENERATOR ROOM	278 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	1
006 - AIR CONDITIONER ROOM	121 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	1
024 - CHAIR STORAGE ROOM	182 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	1
025 - ELEC EQUIPMENT ROOM	113 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	1
026 - TRANSFORMER ROOM	120 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	1
	2,689 SF			13
TOTALS:	4,512 SF			135

LIFE SAFETY PLAN GENERAL NOTES

1. LOCATIONS AND CLASSIFICATIONS OF FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH STATE & LOCAL FIRE CODE AND IS SUBJECT TO THE APPROVAL OF THE FIRE INSPECTOR. VERIFY QUANTITY AND EXACT LOCATION WITH FIRE DEPARTMENT INSPECTOR PRIOR TO ORDERING.
2. EXACT LOCATIONS OF FIRE EXTINGUISHER CABINETS TO BE CONFIRMED BEFORE INSTALLATION. PROVIDE ADDITIONAL FIRE EXTINGUISHERS AND CABINETS AS REQUIRED BY THE FIRE DEPT FIELD INSPECTORS.
3. ALL EXITS SHALL HAVE EXIT SIGNS AND ALL BLIND CORRIDOR TURNS SHALL HAVE DIRECTIONAL EXIT SIGN.
4. CHANGE OF LEVEL AT ALL EXITS AND ENTRANCES SHALL NOT EXCEED 1/2" NOTIFY ARCHITECT OF ANY DISCREPANCIES.
5. ALL DOORS IN THE PATH OF EGRESS MUST BE OPENABLE WITH NOT MORE THAN ONE RELEASING OPERATION.
6. EXIT ACCESS DOORS SERVING ELECTRICAL ROOMS HAVING EQUIPMENT RATED 1200 AMPS OR MORE; BEING OVER 6 FT. WIDE; AND CONTAINING OVERCURRENT, OR CONTROL DEVICES MUST BE EQUIPPED WITH PANIC HARDWARE.

LIFE SAFETY SYMBOL LEGEND

	EGRESS PATH OF TRAVEL
	EGRESS COMMON PATH OF TRAVEL
1A	PATH OF TRAVEL TAG

EGRESS PATHS

PER OBC TABLES: 1006.2.1 & 1017.2

PATH ID	EGRESS TRAVEL DISTANCE ACTUAL	EGRESS TRAVEL DISTANCE ALLOWABLE	COMMON PATH OF TRAVEL DISTANCE ACTUAL	COMMON PATH OF TRAVEL DISTANCE ALLOWABLE
0A	85' - 1"	250'-0"	55' - 3"	125'-0"
0B	61' - 6"	250'-0"	9' - 4"	125'-0"
0C	56' - 8"	250'-0"	0"	125'-0"

EGRESS WIDTHS

OBC 1005.3.2

EXIT NUMBER	WIDTH	OCCUPANT LOAD
1	33.5"	223
2	33.5"	167
3	33.5"	167
4	33.5"	223
5	33.5"	223
5	68.5"	342
6	33.5"	223
PROVIDED WIDTH:	269.5"	1568

USE GROUP LEGEND

- A-3 : ASSEMBLY
- R-2 : RESIDENTIAL
- S-1 : MODERATE-HAZARD STORAGE

FIRE RATED WALL LEGEND

	1-HOUR RATED WALL

NOT FOR CONSTRUCTION

N

LIFE SAFETY - GROUND FLOOR PLAN

SCALE: 1/8" = 1'-0"

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SCALE	AS NOTED

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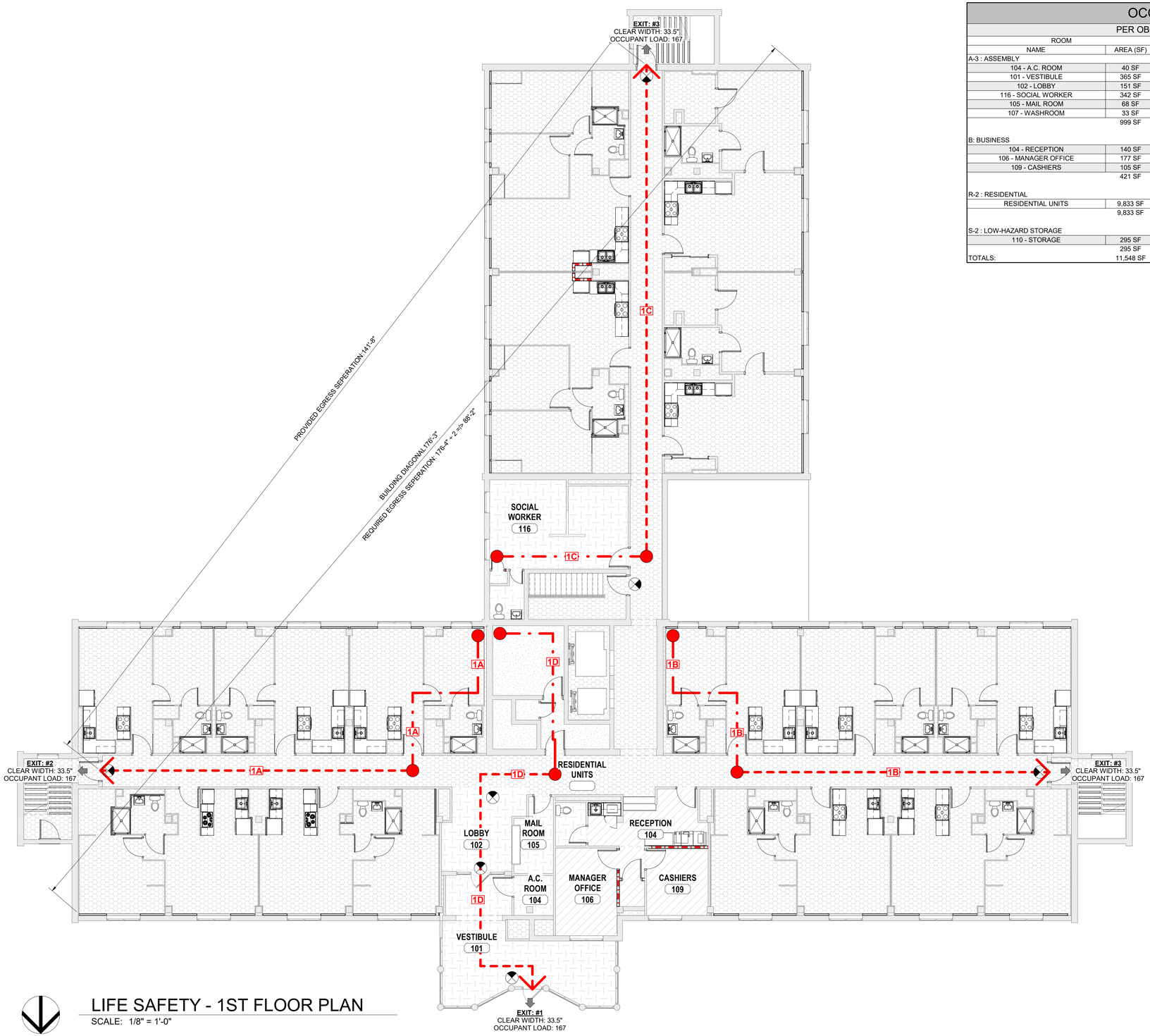
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
LIFE SAFETY PLAN - GROUND FLOOR

DRAWING NUMBER: **G1001**

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LIFE SAFETY - 1ST FLOOR PLAN

SCALE: 1/8" = 1'-0"

N

OCCUPANCY / USE GROUPS

PER OBC SECTIONS: 302.1 - 312.1, TABLE 1004.5

ROOM NAME	AREA (SF)	OCCUPANCY TYPE	OCCUPANT LOAD FACTOR	OCCUPANT LOAD TOTAL
A-3 : ASSEMBLY				
104 - A.C. ROOM	40 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	1
101 - VESTIBULE	365 SF	ASSEMBLY: STANDING SPACE	5 NET	73
102 - LOBBY	151 SF	ASSEMBLY: STANDING SPACE	5 NET	31
116 - SOCIAL WORKER	342 SF	ASSEMBLY: UNCONCENTRATED (TABLE & CHAIRS)	15 NET	23
105 - MAIL ROOM	68 SF	BUSINESS AREAS	150 GROSS	1
107 - WASHROOM	33 SF	BUSINESS AREAS	150 GROSS	1
	999 SF			130
B: BUSINESS				
104 - RECEPTION	140 SF	BUSINESS AREAS	150 GROSS	1
106 - MANAGER OFFICE	177 SF	BUSINESS AREAS	150 GROSS	2
109 - CASHIERS	105 SF	BUSINESS AREAS	150 GROSS	1
	421 SF			4
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	9,833 SF	RESIDENTIAL	200 GROSS	51
	9,833 SF			51
S-2 : LOW-HAZARD STORAGE				
110 - STORAGE	295 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	1
	295 SF			1
TOTALS:	11,548 SF			186

LIFE SAFETY PLAN GENERAL NOTES

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5. ALL DOORS IN THE PATH OF EGRESS MUST BE OPENABLE WITH NOT MORE THAN ONE RELEASING OPERATION.
6. EXIT ACCESS DOORS SERVING ELECTRICAL ROOMS HAVING EQUIPMENT RATED 1200 AMPS OR MORE; BEING OVER 6 FT. WIDE; AND CONTAINING OVERCURRENT, OR CONTROL DEVICES MUST BE EQUIPPED WITH PANIC HARDWARE.

LIFE SAFETY SYMBOL LEGEND

	EGRESS PATH OF TRAVEL
	EGRESS COMMON PATH OF TRAVEL
1A	PATH OF TRAVEL TAG

EGRESS PATHS

PER OBC TABLES: 1006.2.1 & 1017.2

PATH ID	EGRESS TRAVEL DISTANCE ACTUAL	EGRESS TRAVEL DISTANCE ALLOWABLE	COMMON PATH OF TRAVEL DISTANCE ACTUAL	COMMON PATH OF TRAVEL DISTANCE ALLOWABLE
1A	81' - 4"	250'-0"	49' - 7"	125'-0"
1B	81' - 5"	250'-0"	49' - 7"	125'-0"
1C	101' - 9"	250'-0"	78' - 0"	125'-0"
1D	85' - 4"	250'-0"	54' - 3"	125'-0"

EGRESS WIDTHS

OBC 1005.3.2

EXIT NUMBER	WIDTH	OCCUPANT LOAD
1	33.5"	167
2	33.5"	167
3	33.5"	167
3	33.5"	167
PROVIDED WIDTH:	134"	668

USE GROUP LEGEND

- A-3 : ASSEMBLY
- B: BUSINESS
- R-2 : RESIDENTIAL
- S-2 : LOW-HAZARD STORAGE

FIRE RATED WALL LEGEND

	1-HOUR RATED WALL

NOT FOR CONSTRUCTION

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SCALE	AS NOTED

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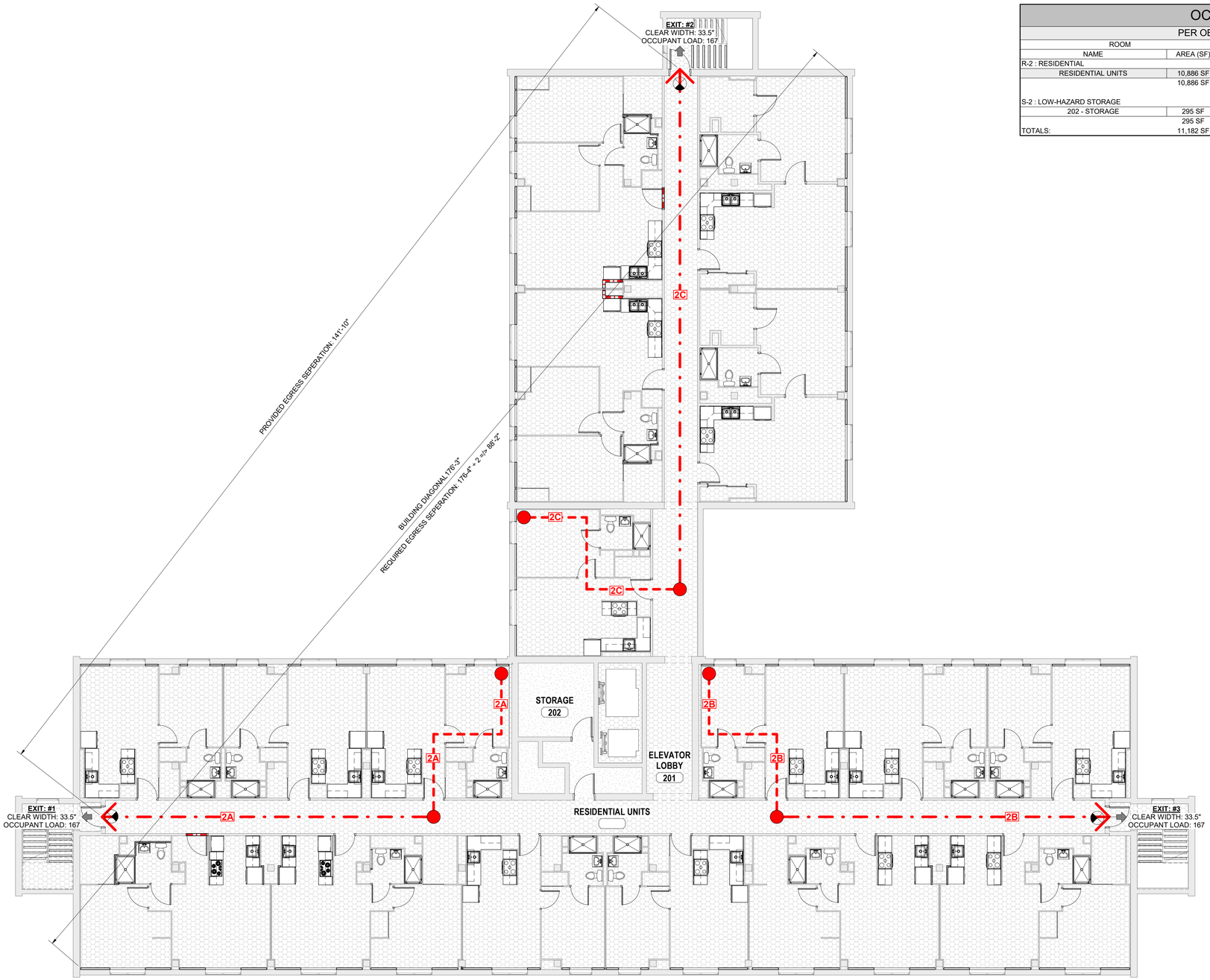
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE: LIFE SAFETY PLAN - 1ST FLOOR

DRAWING NUMBER: **G1002**

REV: **0**

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OCCUPANCY / USE GROUPS

PER OBC SECTIONS: 302.1 - 312.1, TABLE 1004.5

ROOM NAME	AREA (SF)	OCCUPANCY TYPE	OCCUPANT LOAD FACTOR	OCCUPANT LOAD TOTAL
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	10,886 SF	RESIDENTIAL	200 GROSS	55
	10,886 SF			55
S-2 : LOW-HAZARD STORAGE				
202 - STORAGE	295 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	1
	295 SF			1
TOTALS:	11,182 SF			56

LIFE SAFETY PLAN GENERAL NOTES

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5. ALL DOORS IN THE PATH OF EGRESS MUST BE OPENABLE WITH NOT MORE THAN ONE RELEASING OPERATION.
6. EXIT ACCESS DOORS SERVING ELECTRICAL ROOMS HAVING EQUIPMENT RATED 1200 AMPS OR MORE; BEING OVER 6 FT. WIDE; AND CONTAINING OVERCURRENT, OR CONTROL DEVICES MUST BE EQUIPPED WITH PANIC HARDWARE.

LIFE SAFETY SYMBOL LEGEND

	EGRESS PATH OF TRAVEL
	EGRESS COMMON PATH OF TRAVEL
1A	PATH OF TRAVEL TAG

EGRESS PATHS

PER OBC TABLES: 1006.2.1 & 1017.2

PATH ID	EGRESS TRAVEL DISTANCE ACTUAL	EGRESS TRAVEL DISTANCE ALLOWABLE	COMMON PATH OF TRAVEL DISTANCE ACTUAL	COMMON PATH OF TRAVEL DISTANCE ALLOWABLE
2A	81' - 5"	250'-0"	31' - 8"	125'-0"
2B	81' - 7"	250'-0"	31' - 8"	125'-0"
2C	112' - 4"	250'-0"	34' - 3"	125'-0"

EGRESS WIDTHS

OBC 1005.3.2

EXIT NUMBER	WIDTH	OCCUPANT LOAD
1	33.5"	167
2	33.5"	167
3	33.5"	167
PROVIDED WIDTH:	100.5"	501

USE GROUP LEGEND

R-2 : RESIDENTIAL

S-2 : LOW-HAZARD STORAGE

NOT FOR CONSTRUCTION

N

LIFE SAFETY - 2ND AND 3RD FLOOR PLAN

SCALE: 1/8" = 1'-0"

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SCALE	AS NOTED

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601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
LIFE SAFETY PLANS - 2ND AND 3RD FLOOR

DRAWING NUMBER: **G1003**

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OCCUPANCY / USE GROUPS

PER OBC SECTIONS: 302.1 - 312.1, TABLE 1004.5

ROOM NAME	AREA (SF)	OCCUPANCY TYPE	OCCUPANT LOAD FACTOR	OCCUPANT LOAD TOTAL #
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	6,929 SF	RESIDENTIAL	200 GROSS	35
401 - ELEVATOR LOBBY	273 SF	RESIDENTIAL	200 GROSS	2
	7,202 SF			37
S-2 : LOW-HAZARD STORAGE				
402 - LAUNDRY	295 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	1
	295 SF			1
TOTALS:	7,497 SF			38

LIFE SAFETY SYMBOL LEGEND

	EGRESS PATH OF TRAVEL
	EGRESS COMMON PATH OF TRAVEL
1A	PATH OF TRAVEL TAG

EGRESS PATHS

PER OBC TABLES: 1006.2.1 & 1017.2

PATH ID	EGRESS TRAVEL DISTANCE ACTUAL	EGRESS TRAVEL DISTANCE ALLOWABLE	COMMON PATH OF TRAVEL DISTANCE ACTUAL	COMMON PATH OF TRAVEL DISTANCE ALLOWABLE
4A	102' - 11"	250'-0"	30' - 5"	125'-0"
4B	81' - 9"	250'-0"	31' - 10"	125'-0"

EGRESS WIDTHS

OBC 1005.3.2

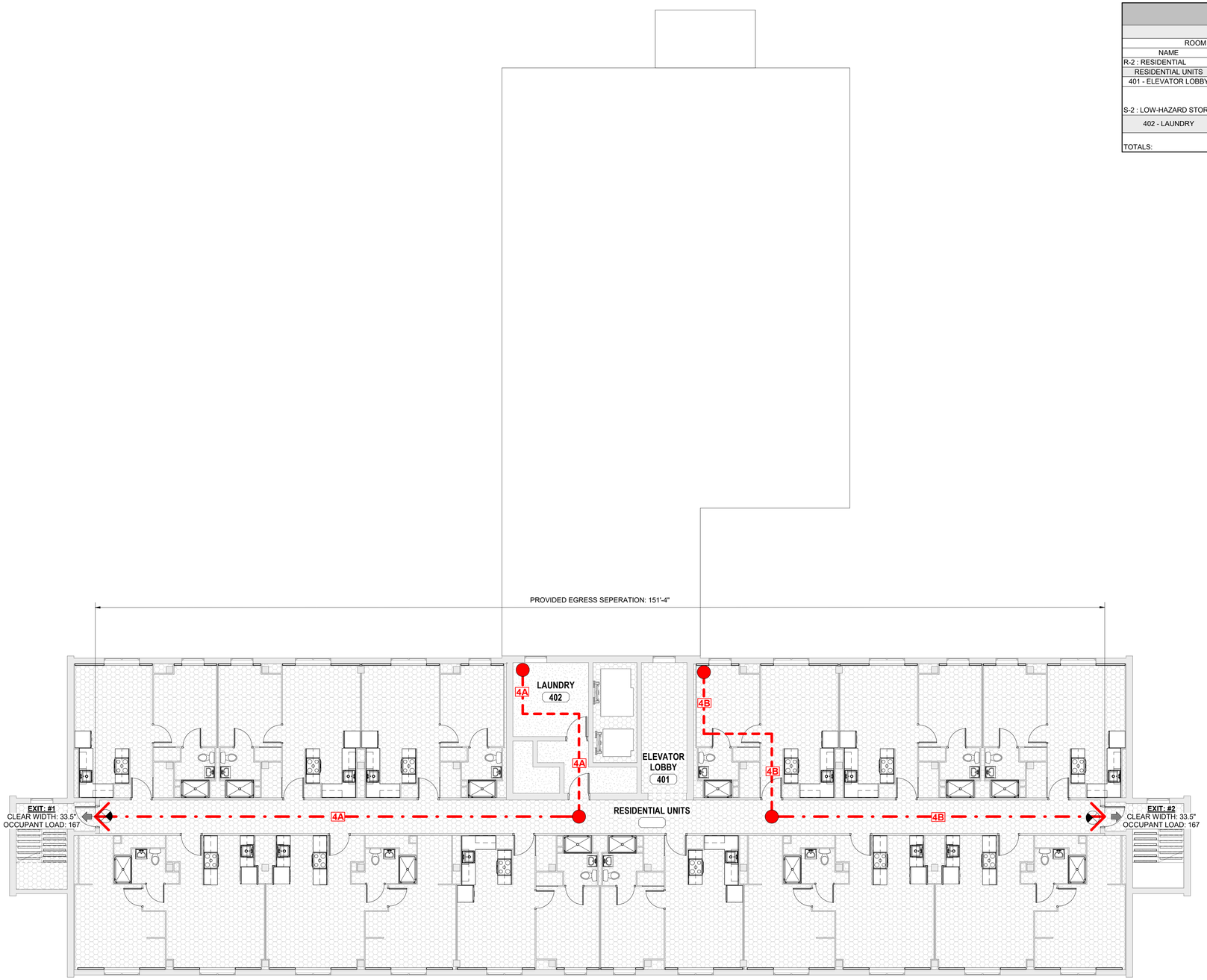
EXIT NUMBER	WIDTH	OCCUPANT LOAD
1	33.5"	167
2	33.5"	167
PROVIDED WIDTH:	67"	334

USE GROUP LEGEND

R-2 : RESIDENTIAL

S-2 : LOW-HAZARD STORAGE

NOT FOR CONSTRUCTION



N

LIFE SAFETY - 4TH THRU 8TH FLOOR PLAN

SCALE: 1/8" = 1'-0"

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601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
LIFE SAFETY PLANS - 4TH THRU 8TH FLOOR

DRAWING NUMBER: **G1004**

REV: **0**

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OCCUPANCY / USE GROUPS

PER OBC SECTIONS: 302.1 - 312.1, TABLE 1004.5

ROOM NAME	AREA (SF)	OCCUPANCY TYPE	OCCUPANT LOAD FACTOR	OCCUPANT LOAD TOTAL #
R-2 : RESIDENTIAL				
RESIDENTIAL UNITS	6,930 SF	RESIDENTIAL	200 GROSS	35
	6,930 SF			35
S-2 : LOW-HAZARD STORAGE				
903 - <varies>	295 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	2
904 - ELEVATOR CONTROL ROOM	273 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS	1
	568 SF			3
TOTALS:	7,497 SF			38

LIFE SAFETY SYMBOL LEGEND

	EGRESS PATH OF TRAVEL
	EGRESS COMMON PATH OF TRAVEL
1A	PATH OF TRAVEL TAG

EGRESS PATHS

PER OBC TABLES: 1006.2.1 & 1017.2

PATH ID	EGRESS TRAVEL DISTANCE ACTUAL	EGRESS TRAVEL DISTANCE ALLOWABLE	COMMON PATH OF TRAVEL DISTANCE ACTUAL	COMMON PATH OF TRAVEL DISTANCE ALLOWABLE
9A	89' - 3"	250'-0"	16' - 9"	125'-0"
9B	81' - 9"	250'-0"	31' - 10"	125'-0"
9C	41' - 10"	250'-0"	0"	125'-0"

EGRESS WIDTHS

OBC 1005.3.2

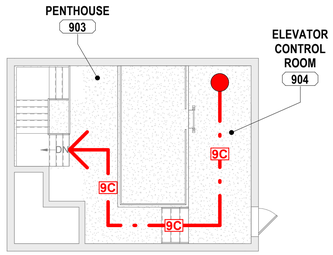
EXIT NUMBER	WIDTH	OCCUPANT LOAD
2	33.5"	167
PROVIDED WIDTH:	33.5"	167

USE GROUP LEGEND

R-2 : RESIDENTIAL

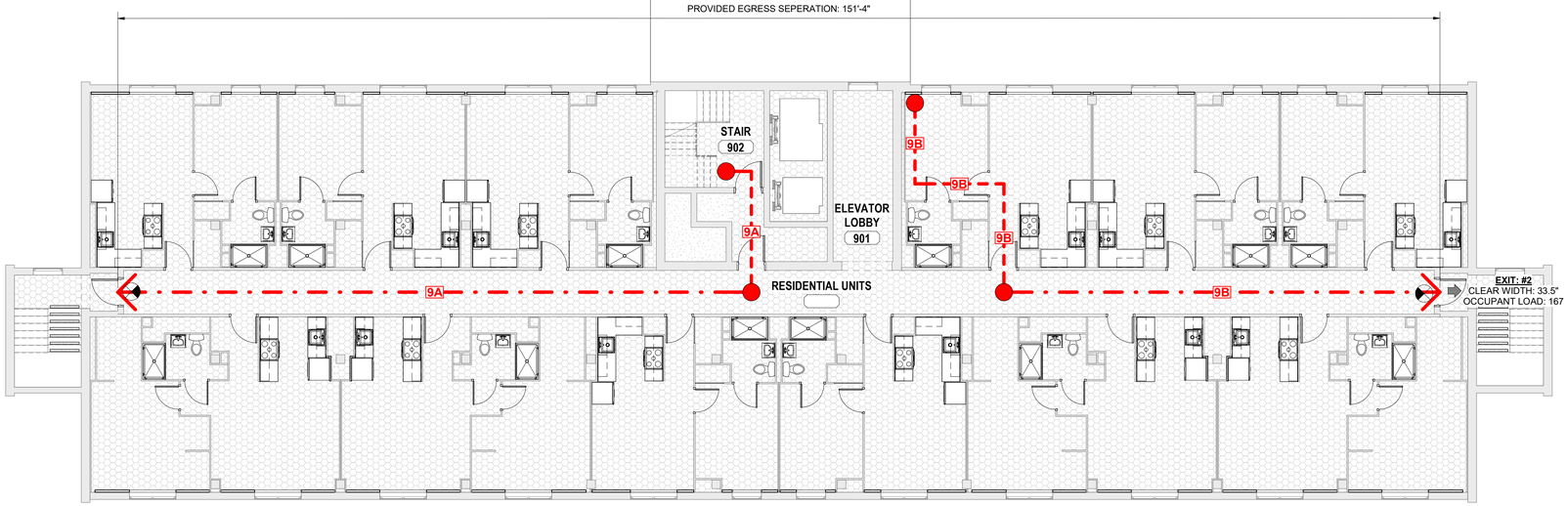
S-2 : LOW-HAZARD STORAGE

NOT FOR CONSTRUCTION



2 - LIFE SAFETY - PENTHOUSE

SCALE: 1/8" = 1'-0"



N

LIFE SAFETY - 9TH FLOOR PLAN

SCALE: 1/8" = 1'-0"

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SCALE	AS NOTED

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601 MAPLE AVENUE,
CINCINNATI, OH 45229

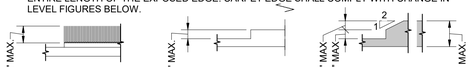
DRAWING TITLE:
LIFE SAFETY PLAN - 9TH FLOOR

DRAWING NUMBER: **G1005**

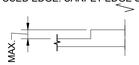
REV: **0**

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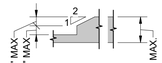
NOTES:
1. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT.
2. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL COMPLY WITH CARPET PILE HEIGHT FIGURE BELOW. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE SHALL COMPLY WITH CHANGE IN LEVEL FIGURES BELOW.



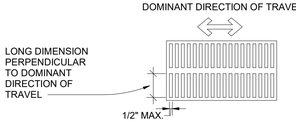
CARPET PILE HEIGHT
FIG. 302.2



VERTICAL CHANGE IN LEVEL
FIG. 303.2



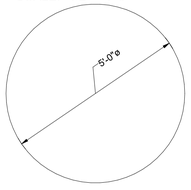
BEVELED CHANGE IN LEVEL
FIG. 303.3



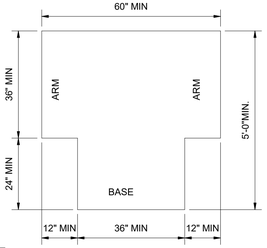
ELONGATED OPENINGS IN FLOOR OR GROUND SPACE
FIG. 302.3

FLOOR SURFACES & LEVEL CHANGES

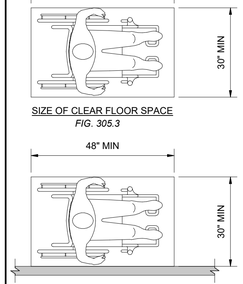
SCALE: 1/2" = 1'-0"



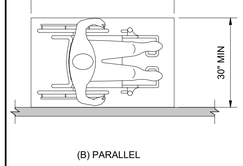
CIRCULAR TURNING SPACE



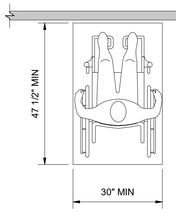
T-SHAPED TURNING SPACE
FIG. 304.3.2



SIZE OF CLEAR FLOOR SPACE
FIG. 305.3

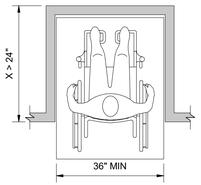


(B) PARALLEL

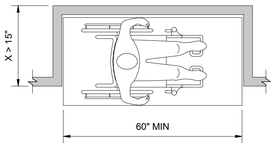


(A) FORWARD

SIZE AND POSITION OF CLEAR FLOOR SPACE
FIG. 305.5



MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH
FIG. 305.7.1

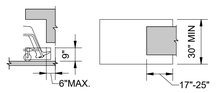


MANEUVERING CLEARANCE IN AN ALCOVE, PARALLEL APPROACH
FIG. 305.7.2

CLEAR FLOOR OR GROUND SPACE

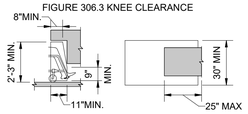
SCALE: 1/2" = 1'-0"

FIGURE 306.2 TOE CLEARANCE



(A) ELEVATION (B) PLAN

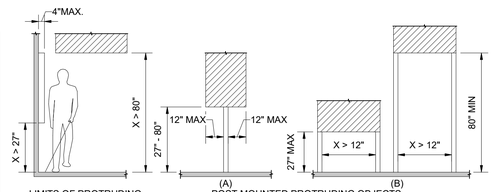
FIGURE 306.3 KNEE CLEARANCE



(A) ELEVATION (B) PLAN

KNEE AND TOE CLEARANCE

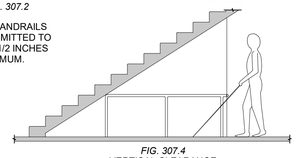
SCALE: 1/4" = 1'-0"



LIMITS OF PROTRUDING OBJECTS
FIG. 307.2

(A) POST MOUNTED PROTRUDING OBJECTS
(B)
FIG. 307.3

EXCEPTION: HANDRAILS SHALL BE PERMITTED TO PROTRUDE 4 1/2 INCHES (115 MM) MAXIMUM.


FIG. 307.4
VERTICAL CLEARANCE

PROTRUDING OBJECTS

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

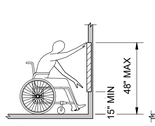


FIGURE 308.2.1 UNOBSTRUCTED FORWARD REACH

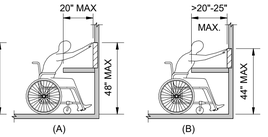


FIGURE 308.2.2 UNOBSTRUCTED HIGH FORWARD REACH

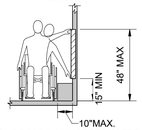


FIGURE 308.3.1 UNOBSTRUCTED SIDE REACH

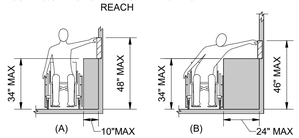


FIGURE 308.3.2 UNOBSTRUCTED HIGH SIDE REACH

REACH RANGES

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

FIGURE 403.5 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

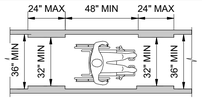
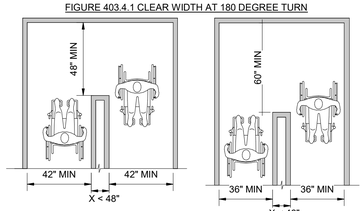


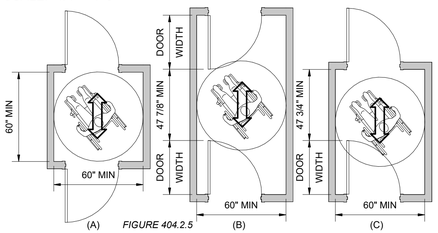
FIGURE 403.4.1 CLEAR WIDTH AT 180 DEGREE TURN



(A) 180 DEGREE TURN (B) 180 DEGREE TURN (EXCEPTION)

CLEAR WIDTH

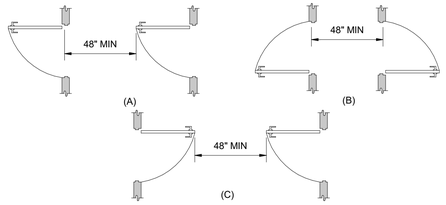
SCALE: 1/4" = 1'-0"



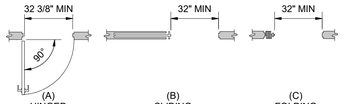
(A) *FIGURE 404.2.5* (B) (C)

ACCESSIBLE DOORS IN A SERIES

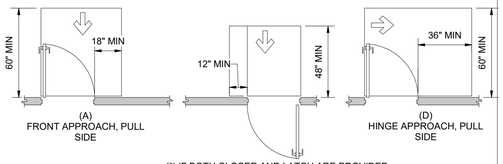
SCALE: 1/4" = 1'-0"



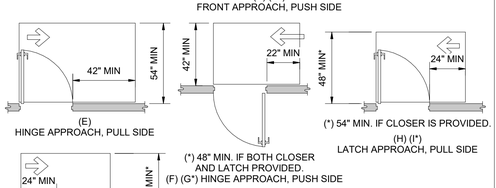
TWO DOORS IN SERIES
FIG. 404.2.6



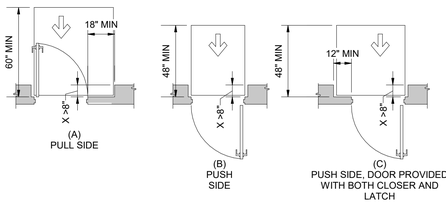
DOORS IN SERIES AND GATES IN SERIES



(*) IF BOTH CLOSER AND LATCH ARE PROVIDED
(B) (C*)
FRONT APPROACH, PUSH SIDE



CLEAR WIDTH OF DOORWAYS
FIG. 404.2.3



MANEUVERING CLEARANCE AT RECESSED DOORS AND GATES
FIG. 404.2.4.3

DOORS, DOORWAYS & GATES

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

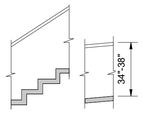
HEIGHT TO FINISH FLOOR FROM BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 INCHES TO LESS THAN OR EQUAL TO 70 INCHES	LESS THAN 72 INCHES	5/8 INCH
	72 INCHES AND GREATER	5/8 INCH, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 72 INCHES
GREATER THAN 70 INCHES TO LESS THAN OR EQUAL TO 120 INCHES	LESS THAN 180 INCHES	2 INCHES
	GREATER THAN 180 INCHES	2 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 180 INCHES
GREATER THAN 120 INCHES	LESS THAN 21 FEET	3 INCHES
	21 FEET AND GREATER	3 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 21 FEET

1. THE VERTICAL HEIGHT IS MEASURED FROM THE FLOOR OF THE VIEWING POSITION TO THE BASELINE OF THE HIGHEST LINE OF CHARACTERS.

VISUAL CHARACTER HEIGHT

SCALE: 12" = 1'-0"

FIGURE 505.4 HANDRAIL HEIGHT



(A) STAIRS (B) RAMP

FIGURE 505.5 HANDRAIL CLEARANCE

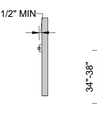


FIGURE 505.10.1 TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

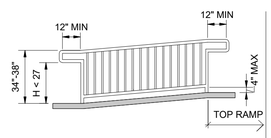


FIGURE 505.10.2 TOP HANDRAIL EXTENSIONS AT STAIRS

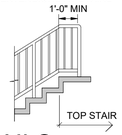
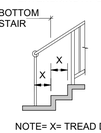


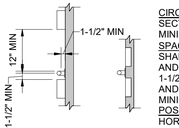
FIGURE 505.10.3 BOTTOM HANDRAIL EXTENSIONS AT STAIRS



NOTE= X= TREAD DEPTH

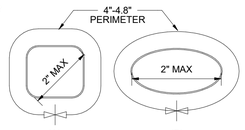
HANDRAILS

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



(A) PROJECTING OBJECTS (B) RECESSED OBJECTS
SPACING OF GRAB BARS
FIG. 609.3

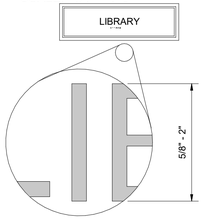
CIRCULAR CROSS SECTION. GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1-1/4 INCHES MINIMUM AND 2 INCHES MAXIMUM.
SPACING. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1-1/2 INCHES THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1-1/2 INCHES MINIMUM. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12 INCHES MINIMUM.
POSITION OF GRAB BARS. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. EXCEPT THAT AT WATER CLOSETS FOR CHILDREN'S USE, GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION 18 INCHES MINIMUM AND 27 INCHES MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE.



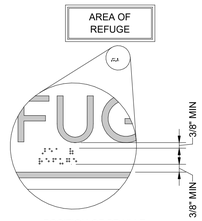
(A) (B)
GRAB BAR NON-CIRCULAR CROSS SECTION
FIG. 609.2.2

GRAB BARS

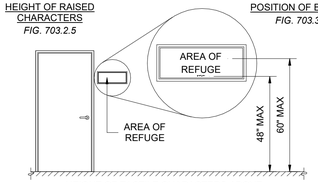
SCALE: 1/4" = 1'-0"



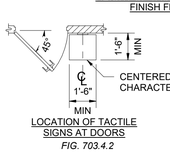
HEIGHT OF RAISED CHARACTERS
FIG. 703.2.5



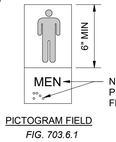
POSITION OF BRAILLE
FIG. 703.3.2



HEIGHT OF TACTILE CHARACTERS ABOVE FINISH FLOOR OR GROUND
FIG. 703.4.1



LOCATION OF TACTILE SIGNS AT DOORS
FIG. 703.4.2



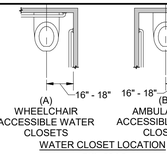
PICTOGRAM FIELD
FIG. 703.6.1


INTERNATIONAL SYMBOL OF ACCESSIBILITY
FIG. 703.7.2.1

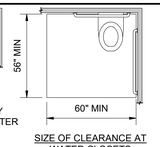

INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS
FIG. 703.7.2.4

SIGNS

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



WATER CLOSET LOCATION
FIG. 604.2



SIZE OF CLEARANCE AT WATER CLOSETS
FIG. 604.3.1



FIGURE 604.5.1 SIDE WALL GRAB BAR FOR WATER CLOSET

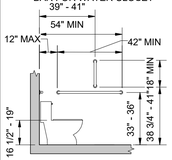
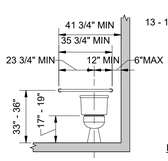


FIGURE 604.5.2 REAR WALL GRAB BAR FOR WATER CLOSET



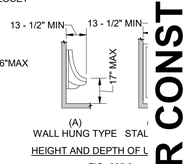
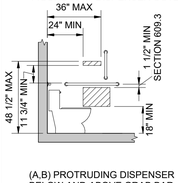
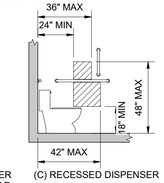


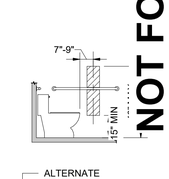
FIGURE 604.7 DISPENSER OUTLET LOCATION

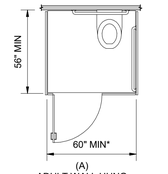


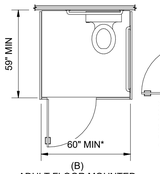
(A,B) PROTRUDING DISPENSER BELOW AND ABOVE GRAB BAR

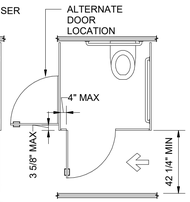


(C) RECESSED DISPENSER





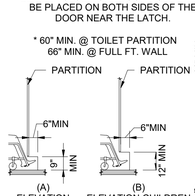


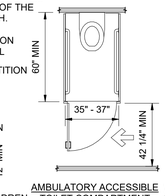


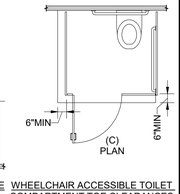
SIZE OF WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT
FIG. 604.8.1.1

TOILET COMPARTMENT DOORS SHALL BE SELF CLOSING. A DOOR PULL SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH.

* 60" MIN. @ TOILET PARTITION
66" MIN. @ FULL FT. WALL

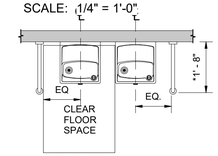


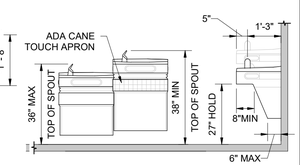




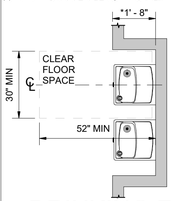
WATERCLOSETS COMPARTMENTS

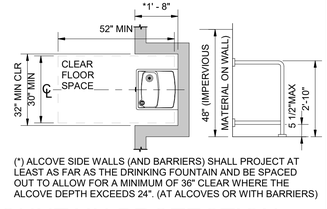
SCALE: 1/4" = 1'-0"





36" MIN IF BARRIER LENGTH IS > 24"





(*) ALCOVE SIDE WALLS (AND BARRIERS) SHALL PROJECT AT LEAST AS FAR AS THE DRINKING FOUNTAIN AND BE SPACED OUT TO ALLOW FOR A MINIMUM OF 36" CLEAR WHERE THE ALCOVE DEPTH EXCEEDS 24". (AT ALCOVES OR WITH BARRIERS)

DRINKING FOUNTAIN PROTECTION

SCALE: 3/8" = 1'-0"

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DESIGN BY	AMA
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CHECK BY	SCR
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
ACCESSIBILITY STANDARDS

DRAWING NUMBER: **G1031**

REV: **0**

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GENERAL ABBREVIATIONS:

ABBREVIATION	EXTENSION
ADA	AMERICANS WITH DISABILITIES ACT STANDARDS
ADJ.	ADJACENT (LAYOUT, MEASUREMENT)
AM	APICAL MERISTEM (PALM TREE REFERENCE)
ARCH	ARCHITECT
AUJ	AUTHORITIES UNDER JURISDICTION
CAD	COMPUTER-AIDED DESIGN
CIP OR C.I.P.	CAST-IN-PLACE (CONCRETE APPLICATIONS)
CIVIL	CIVIL ENGINEER
CJ	CONTROL OR COLD JOINT
CL	CENTERLINE (LAYOUT, MEASUREMENT)
CLS	CENTER LINE OF SWALE (GRADIENT)
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONC.	CONCRETE
DIA	DIAMETER (LAYOUT, MEASUREMENT)
EJ	EXPANSION JOINT (CONCRETE APPLICATIONS)
EQ	EQUAL (LAYOUT, MEASUREMENT)
EXT.	EXTERIOR
F.O.B.	FACE OF BUILDING
GALV.	GALVANIZED
GEOTECH	GEOTECHNICAL OR SOILS ENGINEER
GPH	GALLONS PER HOUR (IRRIGATION)
GPM	GALLONS PER MINUTE (IRRIGATION)
HEX.	HEXAGONAL
HSS	HOLLOW STRUCTURAL SECTION
IE	INVERT ELEVATION
LA OR L.A.	LANDSCAPE ARCHITECT
LED OR L.E.D.	LIGHT-EMITTING DIODE (ELECTRICAL FIXTURE)
LOW OR L.O.W.	LIMIT OF WORK
MAX.	MAXIMUM
MEP	MECHANICAL, ELECTRICAL, PLUMBING ENGINEER
MIN.	MINIMUM
NAP OR N.A.P.	NOT A PART
N.I.S.	NOT IN SCOPE
OC OR O.C.	ON-CENTER (LAYOUT, MEASUREMENT)
OD OR O.D.	OUTSIDE DIAMETER (LAYOUT, MEASUREMENT)
PA OR P.A.	PLANTING AREA
PERF.	PERFORATED
POB OR P.O.B.	POINT OF BEGINNING (LAYOUT, MEASUREMENT)
PL	PROPERTY LINE
PSI	POUNDS PER SQUARE INCH (IRRIGATION)
PT	PRESSURE-TREATED
R	RADIUS (LAYOUT, MEASUREMENT)
REF	REFERENCE OR REFER TO
REINF.	REINFORCEMENT
RIM	TOP OF RIM OR GRATE (ELEVATION)
R.O.W.	RIGHT OF WAY
SE	STRUCTURAL ENGINEER
SPECS	CONTRACT SPECIFICATIONS
S/S OR SS	STAINLESS STEEL
SWMP	STORM WATER MANAGEMENT PLAN
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
TBD	TO BE DETERMINED
TYP	TYPICAL
W/	WITH
WL	WATER LEVEL

CODE INFORMATION:

ALL ELEMENTS WERE DESIGNED TO AND CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE FOLLOWING CODES NOTED AND OTHER GOVERNANCES SUBJECT TO THIS PROJECT. THIS MAY NOT BE A FULL OR EXHAUSTIVE LIST AND CONTRACTOR IS REQUIRED TO VERIFY ALL PERTINENT CODES ARE REFERENCED AS NEEDED.

2018 INTERNATIONAL BUILDING CODE WITH STATE OF OHIO AMENDMENTS
2010 AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN
2023 OHFA DESIGN AND ARCHITECTURAL STANDARDS

LANDSCAPE GENERAL NOTES:

1. THE CONTRACTOR SHALL PERFORM ALL WORK AND SERVICES NOTED, DESCRIBED OR RELAYED IN THE PLANS AND SPECIFIED CONTRACT DOCUMENTS AND AS SUCH REQUIRED BY THE CONTRACT INCLUDING, WITHOUT LIMITATION, THE SCOPE OF WORK DEPICTED IN THESE DRAWINGS AND SPECIFICATIONS AND ANY SUPPLEMENTAL DOCUMENTS.
2. CONTRACTOR TO VERIFY SITE INFORMATION AS NEEDED, INCLUDING PROPERTY LINES, EASEMENTS, BUILDINGS, ROADWAY CURB AND GUTTERS, UTILITIES AND OTHER INFORMATION AFFECTING THE SCOPE OF WORK INCLUDED ON THESE DRAWINGS. MORE SPECIFIC UTILITY INFORMATION IS INDICATED ON THE CIVIL DRAWINGS.
3. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING, LOCATING AND PROTECTING ALL EXISTING UTILITIES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING UTILITY INFORMATION TO THEIR BEST ABILITIES WITH ASSISTANCE FROM OWNER OR DESIGN TEAM IF APPLICABLE SUCH THAT THEY ARE SATISFIED AS TO ALL LOCATIONS OF UTILITIES, SHOWN AND NOT SHOWN HEREIN.
4. CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT FOR DIRECTION ON HOW TO PROCEED IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE DRAWINGS. FAILURE TO NOTIFY THE LANDSCAPE ARCHITECT WILL NOT RELIEVE CONTRACTOR OF RESPONSIBILITY TO COMPLETE WORK AS INDICATED IN CONTRACT DOCUMENTS.
5. EXCAVATION IN THE VICINITY OF UTILITIES SHALL BE UNDERTAKEN WITH CARE. CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SITE UTILITIES PRIOR TO BEGINNING EXCAVATION AND ABIDE BY ALL AUTHORITIES UNDER JURISDICTION REQUIREMENTS AND REGULATIONS. POT HOLE EXCAVATION OR OTHER INVESTIGATIVE PRACTICES MAY BE REQUIRED TO VERIFY UTILITIES PRIOR TO OTHER WORK OCCURRING AND SHALL BE PART OF THE CONTRACTOR'S RESPONSIBILITIES AND CONTRACT.
6. CONTRACTOR SHALL NOTIFY LOCAL UTILITY OR CITY AUTHORITIES FOR PROVISION OF ALL LOCATIONS OF EXISTING UNDERGROUND UTILITIES. POT HOLE EXCAVATE AS NECESSARY TO CONFIRM LOCATIONS PRIOR TO ANY EXCAVATIONS.
7. BASE INFORMATION INCLUDING THE LOCATION OF PROPERTY LINES, EASEMENTS, BUILDINGS, ROADS, CURBS AND UTILITIES HAVE BEEN PROVIDED FROM A SURVEY PROVIDED BY THE CIVIL ENGINEER. EVERY ATTEMPT HAS BEEN MADE TO SHOW THESE CONDITIONS WHERE THEY EXIST ON THESE DRAWINGS. CONTRACTOR SHALL USE EVERY EFFORT AND PRECAUTION IN DEMOLITION, SITE CLEARING, GRADING OR EXCAVATION WORK SINCE EXISTING UTILITIES MAY VARY FROM SURVEY DATA.
8. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL FEDERAL STATE AND LOCAL PERMITS INCLUDING BUT NOT LIMITED TO STORMWATER POLLUTION PREVENTION, TREE REMOVAL, GRADING AND UTILITY, ETC.
9. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS AND REGULATIONS.
10. CONTRACTOR IS RESPONSIBLE TO ADHERE TO ALL ACCESSIBILITY REQUIREMENTS FOR FEDERAL, STATE, AND LOCAL GOVERNING DOCUMENTS AND AGENCIES. IF ANY CONDITION IN THESE DOCUMENTS DOES NOT ALLOW OR REPRESENT COMPLIANCE CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION.
11. ALL DRAWINGS TO BE READ AND USED IN CONJUNCTION WITH PROJECT SPECIFICATIONS.
12. ALL SCOPE, ELEMENTS, LANDSCAPE, ETC. TO REMAIN SHALL BE PROTECTED BY THE CONTRACTOR USING MEANS AS NEEDED OR IDENTIFIED PER THE TYPE OF ELEMENT TO BE PROTECTED AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
13. CONTRACTOR IS REQUIRED TO REPAIR OR REPLACE WITH APPROVED IN KIND MATERIALS ANY DAMAGE DONE TO BUILDINGS, STRUCTURES, UTILITIES, PAVING, PLANTING OR ANY OTHER SITE AND OFF SITE IMPROVEMENTS TO REMAIN AT NO COST TO OWNER. ANY DAMAGE BY THE CONTRACTOR DURING THE EXECUTION OF WORK TO UTILITIES OR ELEMENTS TO REMAIN IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.
14. THE CONTRACTOR SHALL PROVIDE ALL BARRIERS AND PROTECTION TO KEEP PEDESTRIAN AND VEHICULAR CLEAR OF THE CONSTRUCTION WORK AT A SAFE DISTANCE. ALL ROUTES INTERRUPTED BY THIS SCOPE MAY REQUIRE TEMPORARY ALTERNATE ROUTING INCLUDING TEMPORARY PAVEMENT OR OTHER ACCESS ELEMENTS AND SHALL BE PART OF THE CONTRACTOR'S RESPONSIBILITY AND CONTRACT. CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE SITE INCLUDING SECURING IN PROCESS WORK, ELEMENTS ETC. UNTIL PROJECT IS READY FOR TURN-OVER.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA INCLUDING GENERAL TRASH AND DEBRIS.
16. ON-SITE CONSTRUCTION DRAINAGE SYSTEMS AND OFF-SITE STORMWATER DRAINAGE SYSTEMS AND ASSOCIATED EROSION CONTROL SHALL BE MAINTAINED, MODIFIED AND/OR REMOVED AS NOTED ON CIVIL ENGINEERING OR OTHER ENTITY PLANS.
17. FOLLOW ALL DRAWN OR NOTED DIMENSIONS IN PLAN DOCUMENTS AND DO NOT SCALE PLAN DOCUMENTS.
18. CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT, STAKING AND SURVEY REQUIRED FOR CONSTRUCTION PURPOSES. REFER CIVIL DOCUMENTS AND SURVEY DATA FOR BENCHMARKS AND CONDITIONS.
19. WHEN NEW PAVEMENTS ARE PLACED AGAINST EXISTING PAVEMENTS, SAWCUT EXISTING AT NEAREST JOINT DESIGNATED AND APPROVED BY LANDSCAPE ARCHITECT. INSTALL NEW PAVEMENT FLUSH, CONTINUOUSLY, WITH EXISTING PAVEMENT. PROTECT EXISTING PAVEMENT FROM DAMAGE DURING DEMOLITION AND NEW PAVEMENT INSTALLATION.

GENERAL SITE LIGHTING NOTES:

1. REFER TO SITE LIGHTING PLANS AND COORDINATE INSTALLATION WITH HARDSCAPE AND LANDSCAPE SCOPE DEPICTED IN THESE DOCUMENTS.
2. REFER TO ELECTRICAL DOCUMENTS FOR REFERENCE TO ELECTRICAL REQUIREMENTS OF LIGHTING. REVIEW ELECTRICAL LAYOUT AND COORDINATE WITH THE HARDSCAPE AND LANDSCAPE SCOPE IN THESE DOCUMENTS.
3. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND ELECTRICAL ENGINEER FOR DIRECTION AND RESOLUTION OF DISCREPANCIES PRIOR TO PROCEEDING.
4. AT OR JUST PRIOR TO SUBSTANTIAL COMPLETION, ELECTRICAL CONTRACTOR SHALL PERFORM FINAL LIGHT AIMING AND ADJUSTMENTS (ESPECIALLY FOR TREE LIGHTS) UNDER DIRECTION OF LANDSCAPE ARCHITECT AND LIGHTING DESIGNER.
5. AT OR JUST PRIOR TO SUBSTANTIAL COMPLETION, CONTRACTOR SHALL PERFORM PHOTOMETRIC AND OR LUMEN TESTS THROUGHOUT SITE AS DESIGNATED UPON COMPLETION OF ALL LIGHTING SYSTEM INSTALLS AND CONFIRM REQUIRED LIGHT LEVELS ARE MET OR LIGHTING IS DISTRIBUTED AS DESIGNATED.
6. ALL TREE MOUNTED LIGHTS SHALL BE COMPLETED BY TREE CLIMBERS SPECIALIZING IN TREE LIGHTING OR PRUNING AND NOT BY LIFTS OR LADDERS UNLESS DIRECTED OTHERWISE.

HARDSCAPE AND WALL PROTECTION NOTES

1. ALL HARDSCAPE SYSTEMS TO REMAIN SHALL BE PROTECTED IN PLACE, BY CONTRACTOR, THROUGH ALL SCOPES AND PERIODS OF CONSTRUCTION FROM DEMOLITION TO LANDSCAPE.
2. ALL SITE WALLS OR VERTICAL SURFACES SHALL BE PROTECTED IN PLACE, BY CONTRACTOR, DURING SCOPES OCCURRING AROUND WALL SYSTEMS AT TIME OF SCOPE, MINIMUM.
3. HARDSCAPE PROTECTION SHALL BE COMPRISED OF A THICK, OPEN AIR WEAVE FILTER FABRIC LAYER ON THE PAVEMENT SURFACE AND TWO LAYERS OF 3/4" THICK EXTERIOR GRADE PLYWOOD ABUTTED END TO END, SECURED TO EACH OTHER.
4. ALL PROTECTION TO BE REMOVED AND DISPOSED OF AT OR NEAR COMPLETION OF PROJECT AND HARDSCAPE SYSTEMS CLEANED AS NOTED HEREIN. REPAIR OR REPLACE ANY DAMAGED SURFACE ACCORDINGLY PER SPECIFICATIONS AT NO ADDITIONAL COST TO PROJECT.

GENERAL SITE SLEEVING NOTES:

1. ALL SITE/LANDSCAPE SLEEVE LOCATIONS AND SIZES NOTED IN LANDSCAPE ARCHITECTS DRAWINGS ARE FOR IRRIGATION, LANDSCAPE, AND FUTURE OR MISCELLANEOUS SCOPE OF WORK ONLY. DRAWINGS MAY NOT REPRESENT OTHER TRADES (ELECTRICAL, AUDIO/VISUAL, GAS, ETC.).
2. CONTRACTOR IS RESPONSIBLE TO COORDINATE AND VERIFY ALL OTHER CONSULTANTS AND SUB-CONTRACTOR SLEEVING REQUIREMENTS NOT NOTED ABOVE AND PLACE SUCH SLEEVES PRIOR TO HARDSCAPE INSTALLATION.
3. ALL SLEEVES SHALL BE EXTENDED MIN. 12" PAST END OF CONCRETE AND MARKED.
4. ALL SLEEVES INSTALLED SHALL BE FIELD MARKED AND AS-BUILTS PREPARED WITH +/-6" OF LOCATIONS PROVIDED.
5. ALL SLEEVES TO BE SCHEDULE 40 PVC MIN. UNDER HARDSCAPE SYSTEMS.

SPECIFIC SCOPE GENERAL NOTES:

1. REFER TO DEMOLITION SHEET (L0010) FOR GENERAL DEMOLITION NOTES.
2. REFER TO MATERIALS NOTES AND SCHEDULES SHEET (L2001) FOR ALL GENERAL AND SPECIFIC MATERIAL NOTES AND REFERENCES.
3. REFER TO PLANTING NOTES AND PLANT MATERIAL SCHEDULE SHEET (L4010) FOR GENERAL PLANTING NOTES.

07.18.2025 - BID	SHEET NUMBER	SHEET TITLE
●	L0001	GENERAL NOTES AND SCHEDULE
●	L0002	KEY SHEET
●	L0010	DEMOLITION NOTES AND DETAILS
●	L0011	DEMOLITION PLAN
●	L2001	MATERIALS NOTES AND SCHEDULE
●	L2011	MATERIALS PLAN
●	L2011A	LAYOUT PLAN
●	L2021	HARDSCAPE DETAILS
●	L2022	HARDSCAPE DETAILS
●	L2023	HARDSCAPE DETAILS
●	L4010	PLANTING NOTES AND SCHEDULE
●	L4011	PLANTING PLAN
●	L4021	PLANTING DETAILS

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(214)954-0016
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NOTE:
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MAPLE TOWER RAD RENOVATIONS
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DRAWING TITLE: GENERAL NOTES AND SCHEDULE
DRAWING NUMBER: **L0001**
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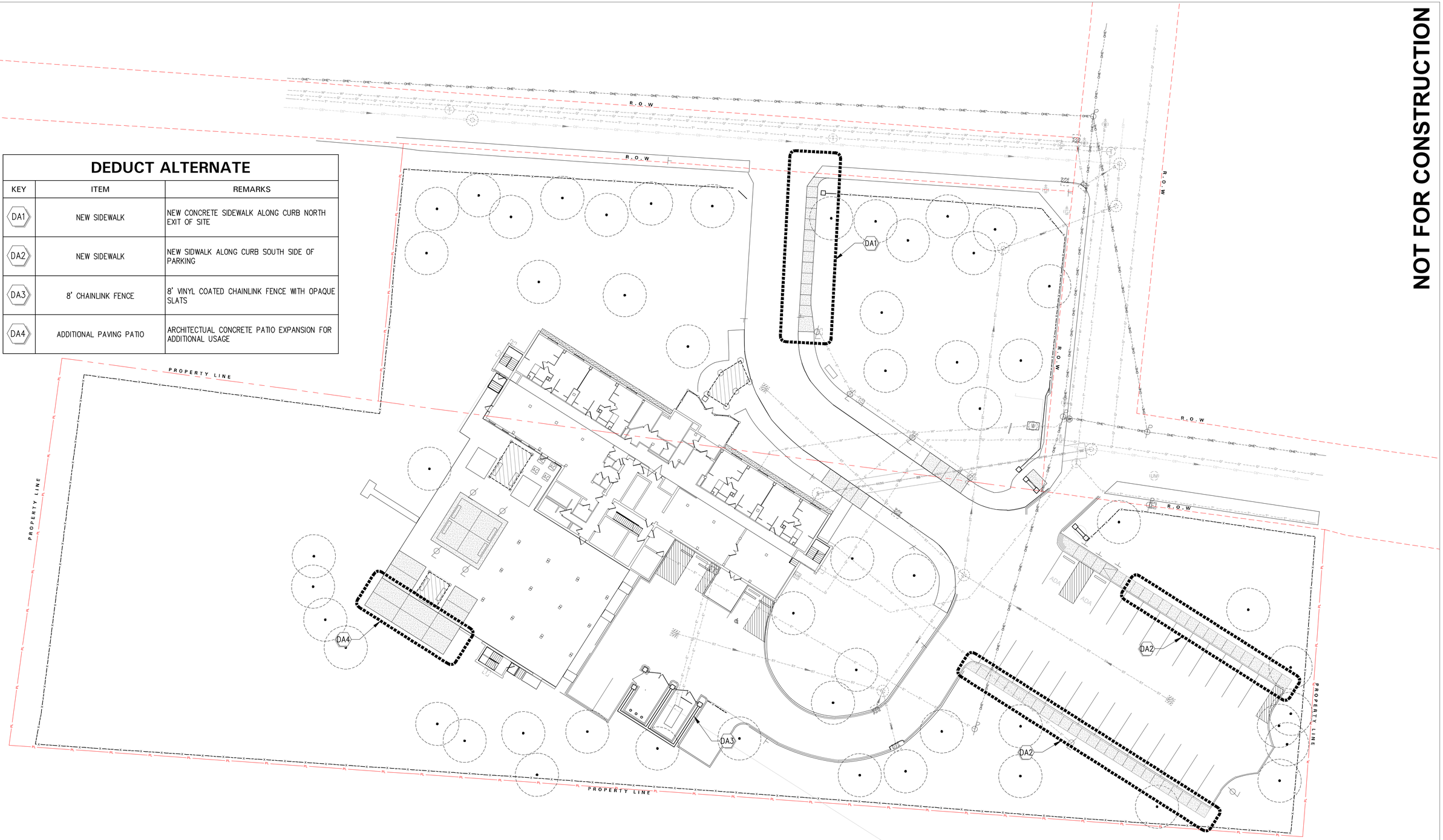
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DEDUCT ALTERNATE

KEY	ITEM	REMARKS
DA1	NEW SIDEWALK	NEW CONCRETE SIDEWALK ALONG CURB NORTH EXIT OF SITE
DA2	NEW SIDEWALK	NEW SIDWALK ALONG CURB SOUTH SIDE OF PARKING
DA3	8' CHAINLINK FENCE	8' VINYL COATED CHAINLINK FENCE WITH OPAQUE SLATS
DA4	ADDITIONAL PAVING PATIO	ARCHITECTUAL CONCRETE PATIO EXPANSION FOR ADDITIONAL USAGE



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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE,
CINNCINATI, OH, 45229

DRAWING TITLE: KEY SHEET

DRAWING NUMBER: L0002

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GENERAL DEMOLITION NOTES:

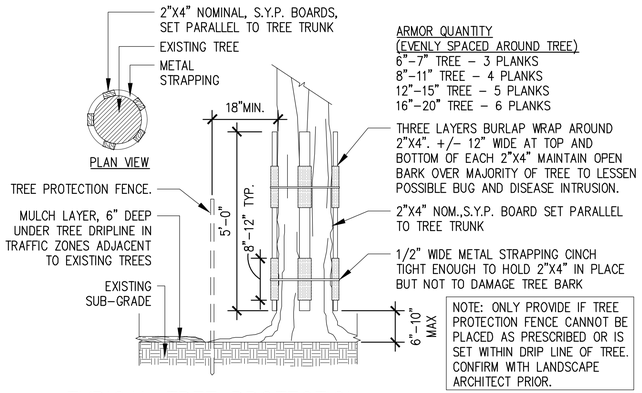
1. THE CONTRACTORS AND SUB-CONTRACTORS SHALL VISIT THE SITE PRIOR TO SUBMITTING THEIR BID TO BECOME FAMILIAR WITH ALL EXISTING FIELD CONDITIONS AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
2. DURING DEMOLITION AND CONSTRUCTION OPERATIONS, PROVIDE ALL NECESSARY PROTECTION MEASURES TO SAFEGUARD AND PROVIDE SAFE PASSAGE FOR THE PUBLIC. SUCH AS BUT NOT LIMITED TO: BARRICADES, TEMPORARY PARTITIONS, DUST BARRIERS, SIGNS, ETC. ERECT AND MAINTAIN THESE BARRIERS TO THE SATISFACTION OF THE OWNER AND LANDSCAPE ARCHITECT AND ALL APPLICABLE RULES AND REGULATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO SAFEGUARD AGAINST THE INTERRUPTION OF SERVICES TO THE PUBLIC.
4. WHILE AN ATTEMPT HAS BEEN MADE TO SHOW THE ITEMS TO BE REMOVED, IT IS THE RESPONSIBILITY OF THE VARIOUS CONTRACTORS TO CONDUCT ON-SITE EXAMINATIONS AND FAMILIARIZE THEMSELVES WITH THE ACTUAL SITE CONDITIONS. ADDITIONAL ITEMS, AS REQUIRED TO COMPLETE THE SCOPE NOT SHOWN TO BE REMOVED, SHALL BE REMOVED WITHOUT ADDITIONAL COST TO THE OWNER.
5. CARE SHOULD BE EXERCISED IN THE REMOVAL OF WORK TO PREVENT THE RELEASE OF TOXIC SUBSTANCES. SHOULD TOXIC SUBSTANCES, SUCH AS ASBESTOS BE ENCOUNTERED, THE OWNER AND LANDSCAPE ARCHITECT SHALL BE NOTIFIED. UPON AUTHORIZATION, THE DISPOSAL OF SAME SHALL CONFORM TO ALL GOVERNING CODES AND REGULATIONS. DISPOSAL SHALL BE DONE ONLY BY CONTRACTORS LICENSED FOR THIS WORK.
6. COORDINATE CONSTRUCTION TIMING, MOVEMENT OF CONSTRUCTION MATERIALS AND STORAGE OF REFUSE CONTAINERS WITH THE OWNER.
7. REFER TO ARCHITECTURAL, M.E.P. AND CIVIL DRAWINGS (IF ANY) FOR ADDITIONAL DEMOLITION REQUIREMENTS.
8. THE CONTRACTOR SHALL INCLUDE IN THE BID THE COST OF REMOVING ANY EXISTING SITE FEATURES AND APPURTENANCES NECESSARY TO ACCOMPLISH THE CONSTRUCTION OF THE PROPOSED SITE IMPROVEMENTS. REFER TO PLANS TO DETERMINE EXCAVATION AND DEMOLITION EXTENTS AND TO DETERMINE THE LOCATION OF THE PROPOSED SITE IMPROVEMENTS.
9. THE OWNER RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE AT NO ADDITIONAL COST.
10. UNLESS SPECIFICALLY NOTED TO BE SAVED / STOCKPILE OR REUSED / RELOCATED, ALL SITE FEATURES CALLED FOR REMOVAL SHALL BE REMOVED WITH THEIR FOOTINGS, ATTACHMENTS, BASE MATERIAL, ETC, TRANSPORTED FROM THE SITE TO BE DISPOSED OF IN A LAWFUL MANNER AT AN ACCEPTABLE DISPOSAL SITE.
11. ALL EXISTING SITE FEATURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE DEMOLITION PERIOD. ANY FEATURES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING CONDITIONS AT MINIMUM TO THE SATISFACTION OF THE OWNER OR LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO PROJECT.
12. DURING OPERATIONS, CONTRACTOR SHALL TAKE CARE TO NOT DISTURB EXISTING MATERIALS TO REMAIN, OUTSIDE THE LIMITS OF EXCAVATION AND BACKFILL AND SHALL TAKE WHATEVER MEASURES NECESSARY, AT THE CONTRACTOR'S EXPENSE, TO PREVENT ANY EXCAVATED MATERIAL FROM COLLAPSING. ALL BACKFILL MATERIALS SHALL BE PLACED AND COMPACTED AS SPECIFIED TO THE SUBGRADE REQUIRED FOR THE INSTALLATION OF THE REMAINDER OF THE CONTRACT WORK.
13. IT SHALL BE THE CONTRACTOR'S OPTION, WITH CONCURRENCE OF THE OWNER, TO REUSE EXISTING GRAVEL IF IT MEETS THE REQUIREMENTS OF THE SPECIFICATIONS FOR GRAVEL BORROW.
14. ALL ITEMS CALLED FOR REMOVAL SHALL BE REMOVED TO FULL DEPTH INCLUDING ALL FOOTINGS, FOUNDATIONS, AND OTHER APPURTENANCES, EXCEPT AS SPECIFICALLY NOTED OTHERWISE.
15. 'CLEAR AND GRUB VEGETATION' SHALL INCLUDE REMOVAL OF GRASS, SHRUBS, AND UNDERBRUSH, REMOVAL OF ROOTS AND ROUGH GRADING, BY THE CONTRACTOR.
16. TREES DESIGNATED FOR REMOVAL SHALL BE TAGGED BY CONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
17. THE STORAGE OF MATERIALS AND EQUIPMENT WILL BE PERMITTED AT LOCATIONS DESIGNATED BY OWNER OR OWNER'S REPRESENTATIVE. PROTECTION OF STORED MATERIALS AND EQUIPMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
18. STRIP AND STORE EXISTING TOPSOIL FOR LATER REUSE WHERE APPROPRIATE, AND AS NOTED ON PLAN, WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS.
19. THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN, CONTRACTOR SHALL INSTALL TREE PROTECTION BARRIER AFTER CLEARING UNDERBRUSH AND TAKE DUE CARE TO PREVENT INJURY TO TREES DURING CLEARING OPERATIONS.

EXISTING TREE MAINTENANCE NOTES:

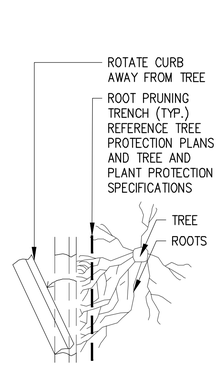
1. TREE MAINTENANCE SHALL OCCUR AS NOTED FOR ALL EXISTING TREES AS REQUIRED PER SPECIFICATIONS. SUCH OPERATIONS MAY INCLUDE TRIMMING, PRUNING, FERTILIZING, WATERING, ROOT PRUNING AND/OR FOLIAGE WASHING AS REQUIRED BY LANDSCAPE ARCHITECT OR ARBORIST DESIGNATED BY LANDSCAPE ARCHITECT OR OWNER.
2. TREE MAINTENANCE OPERATIONS SHALL BE DEEMED HIGH PRIORITY AND SHALL OCCUR WHEN SUCH AFOREMENTIONED OPERATIONS ARE NOTED TO OCCUR AND SHALL OCCUR AS DIRECTED BY LANDSCAPE ARCHITECT.
3. IF STORM DAMAGE OCCURS DURING COURSE OF CONTRACT, IMMEDIATE PROPER PRUNING AND MAINTENANCE OF DAMAGED AREAS SHALL OCCUR UNDER DIRECTION OF LANDSCAPE ARCHITECT OR DESIGNATED ARBORIST. ALL DEBRIS SHALL BE REMOVED OF PROPERLY. COSTS ASSOCIATED WITH THESE OPERATIONS SHALL BE PROVIDED FOR APPROVAL OF OWNER PRIOR TO WORK OCCURRING.

GENERAL TREE PROTECTION NOTES:

1. ALL GUIDELINES STATED BELOW SHALL BE STRICTLY ADHERED TO AND MONITORED BY CONTRACTOR AND ALL ENTITIES ASSOCIATED WITH THE OWNER OR DESIGN CONSULTANTS.
2. ANY DAMAGE, REMOVAL OR DESTRUCTION OF ANY TREE NOT SUBJECT TO REMOVAL BY THESE DOCUMENTS OR OTHER WRITTEN PERMISSIONS SHALL BE SUBJECT TO FINES OR CONTRACTUAL PENALTIES ASSESSED TO THE CONTRACTOR OR OTHER ENTITIES RESPONSIBLE FOR DAMAGE OR REMOVAL. FINES OR PENALTIES SHALL BE THE VALUE OF TREE, MINIMUM, AS PROVIDED BY INDEPENDENT ARBORIST AS SELECTED BY THE OWNER/LANDSCAPE ARCHITECT.
3. TREE DRIP LINE IS DEFINED AS THE OUTER LIMIT OF THE TREE CANOPY EDGE AT ALL POINTS (360° AROUND TREE PERIMETER) SET AT FURTHEST OUTREACH OF SUCH NOTED TREE CANOPY.
4. PRIOR TO TREE CLEARING, BRUSH REMOVAL, MASS GRADING OR ANY OTHER TYPE OF CONSTRUCTION OPERATION, CONTRACTOR SHALL CLEARLY TAG OR MARK ALL TREES TO BE REMOVED OR RELOCATED (PER SPECIFICATIONS) AND OBTAIN THE LANDSCAPE ARCHITECT'S FINAL APPROVAL PRIOR TO SUCH TREE REMOVAL.
5. CONTRACTOR SHALL PROVIDE AND SET TREE PROTECTION FENCING AROUND EACH TREE OR GROUP OF TREES TO BE RETAINED AS DEPICTED IN THESE DOCUMENTS TO PREVENT THE REMOVAL OF PROTECTED TREES, STORAGE OF CONSTRUCTION MATERIALS, PLACEMENT OF DEBRIS OR FILL, CONSTRUCTION OPERATIONS AND/OR EQUIPMENT USAGE/STORAGE WITHIN THE DRIP LINE.
6. REFER TO TREE PROTECTION AND DEMOLITION DOCUMENTS FOR FENCING LAYOUT AND TYPE OF FENCE INCLUDING HEIGHT AND INSTALLATION REQUIREMENTS OF SAID FENCING REQUIRED.
7. DURING CONSTRUCTION OPERATIONS, CONTRACTOR SHALL PROHIBIT CLEANING, PARKING, OR STORAGE OF EQUIPMENT OR MATERIALS UNDER THE CANOPY OF TREES AND PREVENT RUN-OFF FROM SUCH NOTED ITEMS INTO AREAS PROTECTED. CONTRACTOR SHALL NOT ALLOW THE DISPOSAL OF ANY WASTE MATERIAL SUCH AS, BUT NOT LIMITED TO, PAINT, OIL, SOLVENTS, ASPHALT, CONCRETE, MORTAR, ETC., OR ALLOW RUN-OFF FROM ANY SUCH ITEMS IN TO THE TREE CANOPY AREA.
8. NO ATTACHMENTS OR WIRES OF ANY KIND, OTHER THAN THOSE OF A TREE PROTECTIVE NATURE SHALL BE ATTACHED TO ANY TREE.
9. NO FILL OR STORAGE OF FILL MATERIALS OR ANY EXCAVATION OPERATIONS SHALL OCCUR WITHIN THE DRIP LINE OF A TREE TO BE PRESERVED UNLESS THERE IS A SPECIFIC APPROVED PLAN FOR USE OF TREE WELLS OR RETAINING WALLS. CHANGES OF GRADE (FOUR INCHES OR GREATER) WILL REQUIRE ADDITIONAL MEASURES TO MAINTAIN PROPER OXYGEN AND WATER EXCHANGE OF THE ROOTS.
10. ANY ADDITIONAL TREES REQUIRED FOR REMOVAL FOR CONSTRUCTION PROCESSES, UTILITY INSTALLATIONS, ETC. THAT ARE NOT NOTED OR REFERENCED ON PLANS SHALL BE NOTED ON PLAN (8.5 X 11) BY CONTRACTOR WITH REASON FOR REMOVAL AND SUBMITTED TO LANDSCAPE ARCHITECT FOR REVIEW AND PROCESSING WITH THE OWNER. UPON APPROVAL OF SUBJECT TREE'S REMOVAL BY LANDSCAPE ARCHITECT AND ONCE A TREE REMOVAL PERMIT HAS BEEN OBTAINED FROM THE CITY OF DALLAS, SUCH TREE CAN BE REMOVED IN MANNER DEEMED APPROPRIATE. CONTRACTOR SHALL ALLOW MIN. TEN (10) WORKING DAYS FOR SUCH NOTED APPROVAL FROM LANDSCAPE ARCHITECT.
11. ANY TREES WHICH ARE IMPACTED BY EXCAVATION OR TRENCHING, NEED ROOTS 1" AND LARGER TO BE CLEAN CUT (NO TEARS) AS QUICKLY AS POSSIBLE AND BEFORE BEING COVERED WITH SOIL. REFER TO SPECIFICATIONS.
12. REFER TO L0011 FOR SITE TREE SUMMARY AND REMOVAL SCHEDULE.
13. ALL TREES UNDER 8" CALIPER NOT ON SURVEY SHALL BE PROTECTED UNLESS NOTED TO BE REMOVED.
14. ALL FENCE LOCATIONS ARE DIAGRAMMATIC ONLY. LOCATIONS SHALL BE STAKED IN FIELD BY CONTRACTOR REFERENCING FENCE LAYOUT AND ALL PROPOSED SCOPES OF WORK TO OCCUR. STAKING SHALL THEN BE APPROVED BY LANDSCAPE ARCHITECT, REVISIONS (IF ANY) MADE AND FENCE INSTALLED PRIOR TO ANY DEMOLITION OF TREES OR OTHER SCOPE OF WORK OCCURS.
15. PLACE TREE PROTECTION FENCING MIN 3' OUTSIDE OF DRIP LINE OF TREES IF POSSIBLE (REFER TO SPECIFICATIONS AND DETAILS) UNLESS OTHERWISE NOTED ON THIS SHEET OR APPROVED BY LANDSCAPE ARCHITECT.
16. NO OVER CUT AND MACHINERY TRESPASSING IN ROOT ZONE.
17. AIR SPADE OR HAND EXCAVATE ONLY IN THE TREE ROOT ZONE.

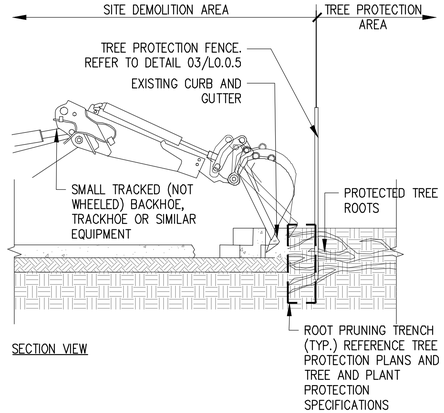


03 TYPICAL TREE PROTECTION
1/2" = 1'-0"

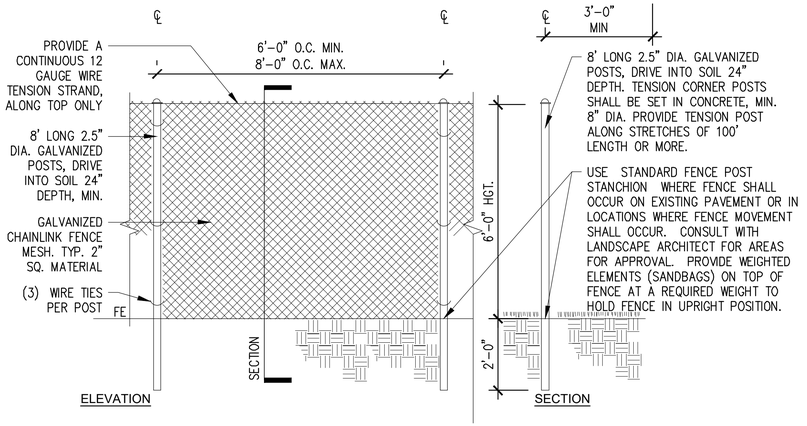


DEMOLITION SEQUENCE:
1. PERFORM ANY ROOT PRUNING.
2. INSTALL TREE PROTECTION FENCING
3. BREAK OR CUT 6" SECTIONS OF CURB.
4. CAREFULLY ROTATE CURB SECTIONS AWAY FROM ROOTS.
5. COORDINATE ALL DEMOLITION OPERATIONS AROUND PROTECTED TREES WITH ENGINEER AND PROJECT ARBORISTS.

NOTES:
1. COORDINATE WITH LANDSCAPE ARCHITECT PRIOR TO DEMOLITION ACTIVITIES.
2. ALL TREE PROTECTION MEASURES MUST BE IN PLACE AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO DEMOLITION ACTIVITIES.
3. LANDSCAPE ARCHITECT TO APPROVE ANY CANOPY THINNING AND/OR CANOPY RAISING PRUNING TO ALLOW FOR DEMOLITION ACTIVITIES PRIOR TO CONSTRUCTION.



02 TYPICAL CURB DEMOLITION
1" = 1'-0"



01 TYPICAL TREE PROTECTION FENCE
1/2" = 1'-0"

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REV	DATE	DESCRIPTION	
0	07/18/25	BID	HMT

REVISIONS

REW JOB #	07425
DESIGN BY	HMT
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DATE	07/18/25
SCALE	AS NOTED

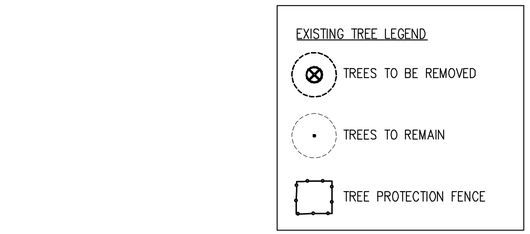
CMHA
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE,
CINNCINATI, OH, 45229

DRAWING TITLE: DEMOLITION NOTES AND DETAILS
DRAWING NUMBER: **L0010**
REV: **0**

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R.O.W

PROPERTY LINE

TREE PROTECTION FENCE (TYP.)

EXISTING TREE TO REMAIN

EXISTING TREE IN PLANTER TO BE REMOVED

EXISTING TREE IN PLANTER TO BE REMOVED

EXISTING TREE

EXISTING TREE TO REMAIN

EXISTING TREE TO REMAIN (TYP.)

EXISTING TREE TO REMAIN (TYP.)

TREE PROTECTION FENCE (TYP.)

TREE PROTECTION FENCE (TYP.)

NOTE

ALL EXISTING TREES WITH A TRUNK CALIPER OF 8" OR GREATER SHALL BE PRUNED TO REMOVE DEAD, DAMAGED, DISEASED, OR LOOSE LIMBS. PRUNING SHALL BE PERFORMED BY A QUALIFIED ARBORIST IN ACCORDANCE WITH ANSI A300 STANDARDS. CARE SHALL BE TAKEN TO PRESERVE THE OVERALL HEALTH AND STRUCTURAL INTEGRITY OF EACH TREE. IF THE HEALTH OR STRUCTURAL STABILITY OF A TREE IS IN QUESTION AND THE CERTIFIED ARBORIST RECOMMENDS REMOVAL, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY FOR REVIEW AND DIRECTION.

0 10' 20'
1" = 20'

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CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE,
CINNCINATI, OH, 45229

DRAWING TITLE: DEMOLITION PLAN

DRAWING NUMBER: **L0011**

REV: **0**

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LAYOUT/DIMENSIONAL CONTROL NOTES:

1. THE CONTRACTOR SHALL LAYOUT AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR DIRECTION AND RESOLUTION OF DISCREPANCIES PRIOR TO PROCEEDING.
2. VERIFY LOCATIONS OF ALL SITE IMPROVEMENTS INSTALLED UNDER OTHER SECTIONS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTION OF THE CONFLICTING/CONCERNED AREA PRIOR TO COMMENCING WORK.
3. ALL DIMENSIONS ARE TAKEN PERPENDICULAR TO WALL, CURB, P.O.B., OR CENTERLINE UNLESS OTHERWISE NOTED. DIMENSIONS AT CURB ARE FROM BACK OF CURB.
4. WHERE DIMENSIONS ARE CALLED AS "EQUAL", ALL REFERENCED ITEMS SHALL BE SPACED EQUALLY, MEASURED TO THEIR CENTER LINES OR OTHER NOTED REFERENCES.
5. INSTALL ALL INTERSECTING ELEMENTS AT 90 DEGREES TO EACH OTHER UNLESS OTHERWISE NOTED.
6. DIMENSIONAL COORDINATE POINTS HAVE BEEN COORDINATED WITH DATA PROVIDED BY CIVIL ENGINEER.
7. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
8. THIS DRAWING INCLUDES THE LOCATION OF VARIOUS DRAIN DEVICES AND SYSTEMS. COORDINATE CONSTRUCTION, DETAILS AND UTILITY CONNECTIONS WITH RELATED ENGINEERING DRAWINGS. CONFIRM LOCATIONS WITH THE LANDSCAPE ARCHITECT PRIOR TO ROUGH IN.
9. FOR HANDICAPPED STANDARDS, VERIFY COMPLIANCE WITH LATEST EDITION OF ADA, AND OTHER LOCAL ACCESSIBLE STANDARDS PRIOR TO CONSTRUCTION. WHERE FIELD MODIFICATIONS ARE REQUIRED FOR COMPLIANCE, CONSTRUCTION CHANGES MAY BE APPLIED INCLUDING DIFFERENT GRADES AND LAYOUT THAN THOSE NOTED HEREIN. CONTACT LANDSCAPE ARCHITECT IF CONDITIONS OCCUR.

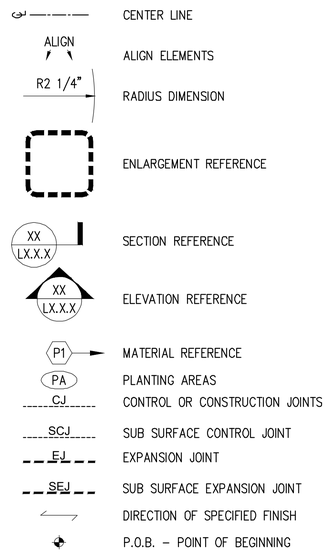
GENERAL EXPANSION/CONTROL JOINT NOTES:

1. JOINTS SHALL BE LAID OUT AS SHOWN IN THESE DRAWINGS AND PER A.C.I. STANDARDS. ADVISE THE LANDSCAPE ARCHITECT WHERE LAYOUT DISCREPANCIES EXIST TO DETERMINE JOINT RESOLUTION.
2. AT ALL CONDITIONS WHERE NEW PAVEMENT OR CURBS ADJOINS EXISTING PAVEMENT OR CURBS, REMOVAL OF EXISTING SHALL OCCUR BEYOND LOCATION SHOWN TO NEAREST JOINT IN EXISTING PAVEMENT TO REMOVE ANY SMALL UNITS OR OFFSETS IN JOINTING.
3. ALL SUB-SLAB JOINT LAYOUT, IF NOT SHOWN, SHALL BE PER LATEST A.C.I. STANDARDS ANY STANDARD DETAILS IN THESE DOCUMENTS.
4. REFER TO DETAILS FOR ALL SUB-SLAB EXPANSION/CONTROL JOINT INSTALLATION. IF NONE PROVIDED, USE STANDARD JOINTS DETAILED HEREIN.
4. REFER TO DETAILS FOR TYPICAL CONCRETE EXPANSION AND CONTROL JOINT INSTALLATION.
5. REFER TO MATERIALS AND/OR LAYOUT PLANS FOR JOINT LOCATIONS AND TYPE DESIGNATION.
6. TOOLED JOINTS SHALL BE INSTALLED AT APPROPRIATE TIMING OF CURB DURING CONCRETE INSTALLATION.
7. SAWCUT JOINTS SHALL BE INSTALLED WITHIN 24 HOURS OF INSTALLING CONCRETE. OVERCUT OF JOINTS INTO NON-JOINTED SURFACES IS NOT PERMITTED. ALL JOINTS SHALL BE EXTENDED FULLY TO TERMINUS LOCATION AS SHOWN AND IN SOME CONDITIONS MAY REQUIRE HAND TOOL EXECUTION.
8. PROVIDE CONTINUOUS EXPANSION JOINTS IN ALL CASES BETWEEN STRUCTURES SUCH AS WALLS, CURBS, STEPS AND BUILDING OR WHERE CONCRETE ABUTS UTILITY VAULTS OR BOXES, WHEN WALLS OR FLATWORK MEETS VERTICAL OR IN GRADE DEVICES UNLESS NOTED OTHERWISE. JOINTS SHALL BE CONTINUOUS AND SHALL COMPLY WITH THE DRAWING DETAILS. REQUIRED EXPANSION JOINTS NOTED HEREIN MAY NOT BE SHOWN ON THESE DRAWINGS BUT ARE A CONSTRUCTION REQUIREMENT.
9. ALL JOINTING SHALL COMPLY WITH CONTRACT DOCUMENTS AND SHALL BE CONTINUOUS IN ALL INSTANCES.
10. SEALANT IS REQUIRED IN EXPANSION JOINTS UNLESS OTHERWISE NOTED. SEALANT SHALL BE INSTALLED NEAT, EVEN, CONSISTENT AND WITHOUT OVER POUR ONTO PAVING OR ADJACENT SURFACES AND CONTROL JOINTS. GENERALLY THE SEALANT IS TO BE HELD DOWN FROM THE SURFACE 1/8 INCH OR AT THE BOTTOM OF THE TOOLED RADIUS (IF ANY).
11. REFERENCE DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS ON INSTALLATION OF SEALANTS AND RELATED MATERIALS.
12. SEALANT SHALL NOT BE APPLIED TO CONTROL JOINTS UNLESS NOTED OTHERWISE.

GENERAL FINISH NOTES:

1. SEPARATE ALL DIS-SIMILAR METALS FROM EACH OTHER WITH SPECIFIED OR APPROVED NON-METALLIC SEPARATION DEVICES.
2. ALL EXPOSED WELDS SHALL BE GROUND FLUSH OR CONTINUOUS PENDING WELD TYPE AND FINISH SUCH AS REQUIRED TO PROVIDE A SMOOTH CONTINUOUS AND EVEN APPEARANCE AND SHALL BE FINISHED TO MATCH NEIGHBORING FINISHES.
3. ALL FASTENERS AND METALS IN DIRECT CONTACT WITH SOILS SHALL BE EPOXY COATED UNLESS OTHERWISE NOTED OR DIRECTED HEREIN.
4. ALL FASTENERS SHALL BE CONCEALED OR PLACED IN HIDDEN LOCATIONS FROM GENERAL VIEW UNLESS NOTED OTHERWISE.
5. ALL FASTENERS SHALL BE TAMPER-PROOF WHERE APPLICABLE AND APPROVED TYPE AND MATERIAL BY LANDSCAPE ARCHITECT.
6. ALL LOCATIONS OF EXPOSED UTILITY ACCESS POINTS LIKE ELECTRICAL OR LOW VOLTAGE CABLE JUNCTION BOXES, HANDHOLDS OR PULL BOXES, MANHOLES, ETC. SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLACEMENT.
7. ALL ABOVE GRADE EXPOSED ELECTRICAL COMPONENTS (JUNCTION BOXES, CONDUITS, ETC.) SHALL BE PAINTED WITH COLOR TO BE DETERMINED PENDING LOCATION.

LAYOUT AND MATERIALS LEGEND:



CENTER LINE
ALIGN ELEMENTS
RADIUS DIMENSION
ENLARGEMENT REFERENCE
SECTION REFERENCE
ELEVATION REFERENCE
MATERIAL REFERENCE
PLANTING AREAS
CONTROL OR CONSTRUCTION JOINTS
SUB SURFACE CONTROL JOINT
EXPANSION JOINT
SUB SURFACE EXPANSION JOINT
DIRECTION OF SPECIFIED FINISH
P.O.B. - POINT OF BEGINNING

PAVING SCHEDULE

KEY	ITEM	SUPPLIER	MATERIAL	SIZE	FINISH	COLOR	REMARKS	SPEC
P1	STANDARD CONCRETE PAVING	-	STANDARD CONCRETE	PER PLAN	LIGHT TO MEDIUM BROOM FINISH	NATURAL	AGGREGATE TO BE SINGLE COLOR- NO RAINBOW MIXES. FINISH AS NOTED. EXPANSION JOINT SURFACE SEALANT TO MATCH CONCRETE COLOR.	321313
P2	ARCHITECTURAL CONCRETE	SILKO	ARCHITECTUAL CONCRETE	PER PLAN	LIGHT TO MEDIUM BROOM FINISH	TBD	PEDESTRIAN CONCRETE THICKNESS AND REINFORCEMENT PER CIVIL AGGREGATE TO BE SINGLE COLOR. NO RAINBOW MIXES. FINISH AS NOTED	321316
P3	TRUNCATED DOME TILE	ACCESS TILE	PER MANUFACTURER	24" X 24"	PER MANUFACTURER	FEDERAL YELLOW	CAST IN PLACE REPLACEABLE TILE INSTALL PER MANUFACTURERS INSTRUCTION AND TO MEET ADA AND OHA STANDARDS	

STEEL (S)

KEY	ITEM	SUPPLIER	MATERIAL	SIZE	FINISH	COLOR	REMARKS	SPEC
S1	EXISTING FENCE	ON SITE	METAL FENCE	PER PLAN	NA	NA	EXISTING FENCE TO BE REMOVED AND STORED FOR REUSE. INSTALLATION WITH CONCRETE FOOTING AS NEEDED TO MATCH EXISTING CONDITIONS	
S2	STEEL EDGING	COLMET OR APPROVED EQUAL	POWDER COATED STEEL	5" WIDTH X 3/16" THICK	POWDER COATED	BLACK	STANDARD STEEL EDGING. REFER TO DETAILS FOR INSTALLATION MINIMUM OF (4) STAKES PER TEN LINEAR FEET.	329400

MASONARY SCHEDULE

KEY	ITEM	SUPPLIER	MATERIAL	SIZE	FINISH	COLOR	REMARKS	SPEC
M1	SPLIT FACE CMU BLOCK WALL	OBERFIELDS	CMU BLOCK WALL	8"HT X 16"L X 10"W	SPLIT FACE	BRENTWOOD #2310	SPLIT FACE CMU BLOCK WALL. CORE FILLED AND REINFORCED. 3/8" RAKED JOINTS.	042213
	(DEDUCT ALTERNATE) VINYL COVERED CHAINLINK FENCE			8'HT	VINYL	BLACK	4" GALVINZED POST; WITH BLACK PLASTIC SLATS TO MATCH COLOR	323113
M2	STONE SIGN (EXISTING STONE)	ON SITE	EXISTING STONE	-	NATURAL	NATURAL		044216
M3	CAST STONE RAIL	INDIANA CAST STONE	CAST STONE	12" X 3" X 47 5/8"	SMOOTH	LIMESTONE	CAST STONE CAP RAIL (MODEL# RAL-DS) 3/8" RAKED JOINTS	
M4	CAST STONE RAIL	INDIANA CAST STONE	CAST STONE	3" THICK X 30" SQAURE	SMOOTH	LIMESTONE	CAST STONE CAP (MODEL# CAPFL) 3/8" RAKED JOINTS	

AMENITIES SCHEDULE

KEY	ITEM	SUPPLIER	MATERIAL	SIZE	FINISH	COLOR	REMARKS	SPEC
A1	EXISTING BENCH	ON SITE	-	EXISTING	EXISTING	EXISTING	EXISTING BENCHES TO BE REMOVED AND STORED. AFTER PAVING DRIED; BENCHED TO BE RELOCATED PER PLANS AND PERMINATLY REINSTALLED	

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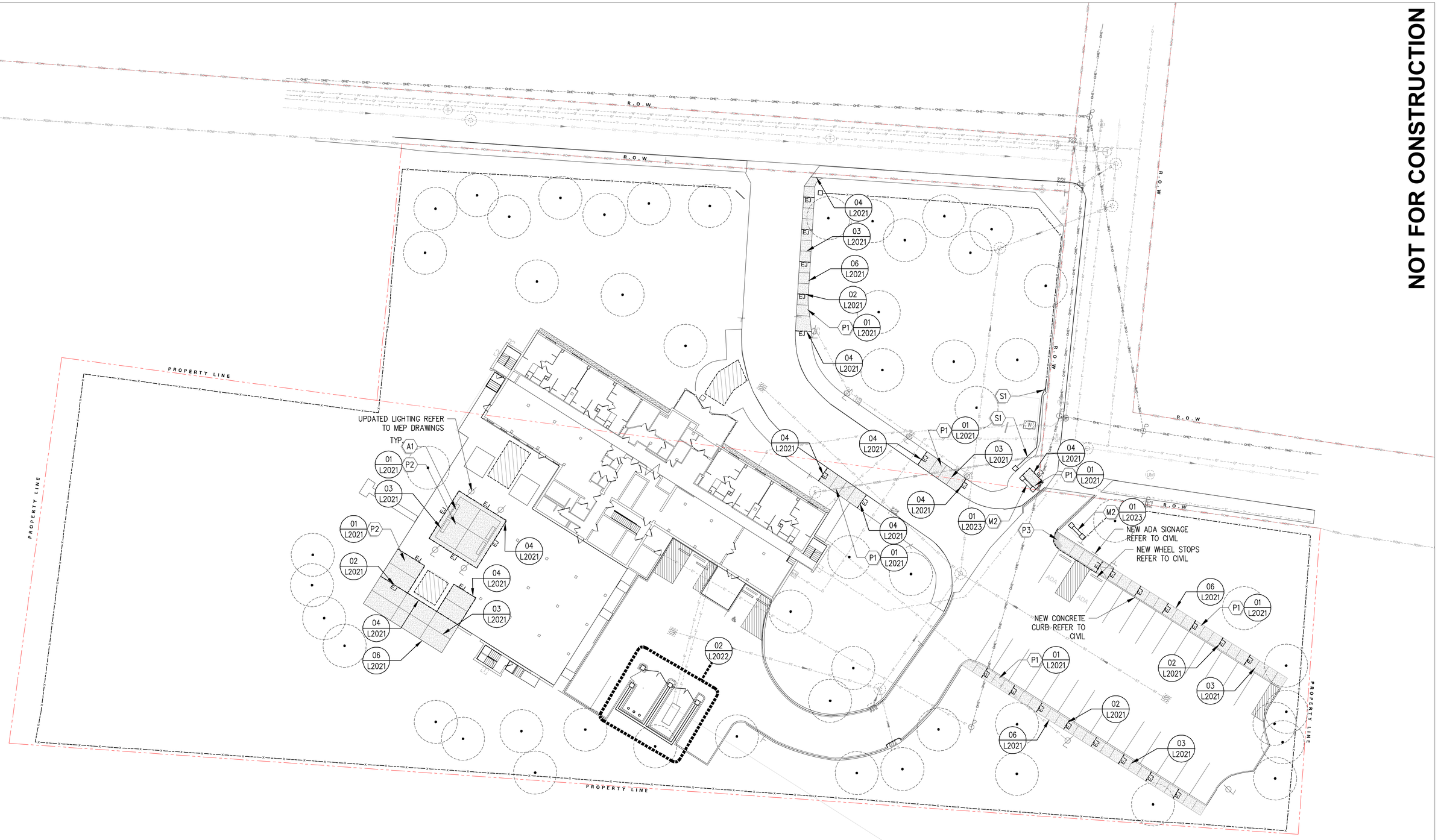
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DRAWING TITLE: MATERIALS NOTES AND SCHEDULE
DRAWING NUMBER: **L2001**
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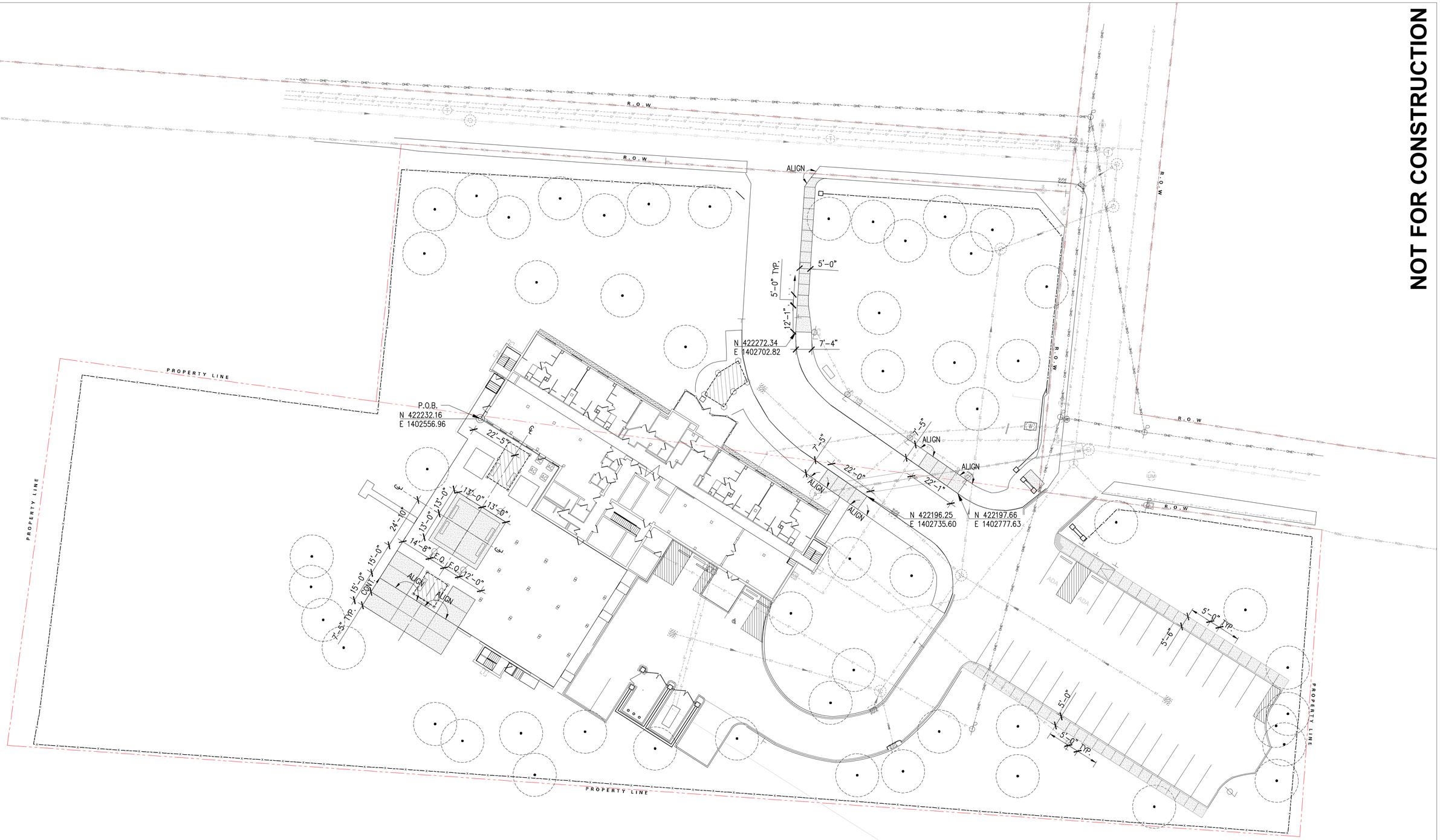
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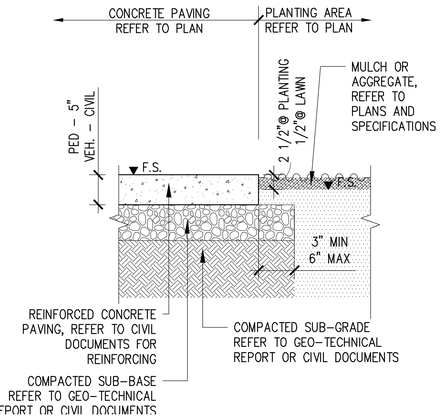
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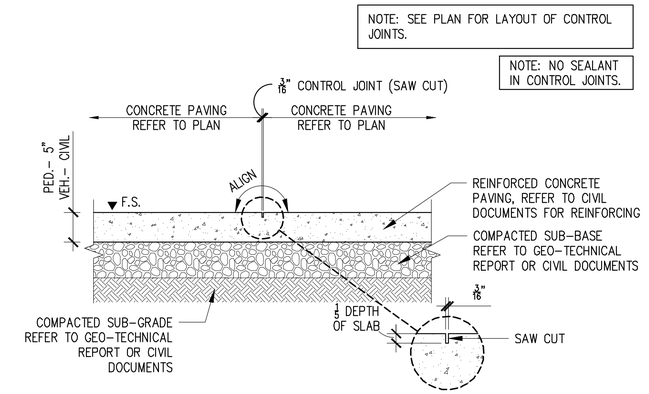
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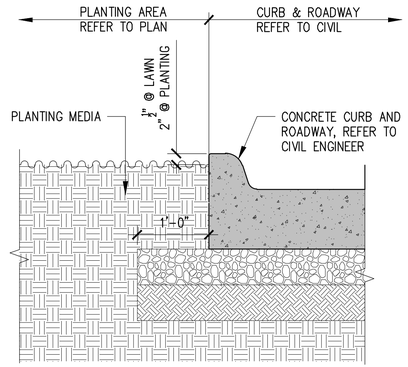
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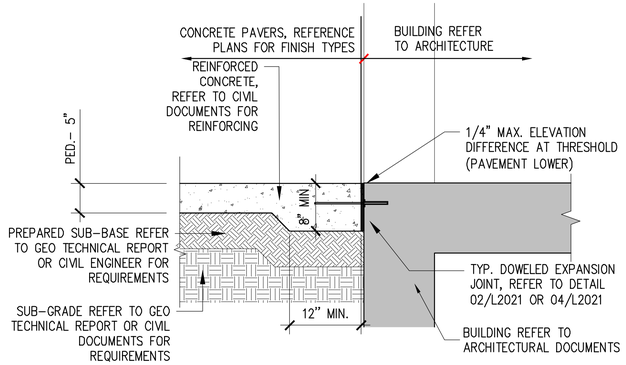
06 CONCRETE PAVING AT PLANTING
1" = 1'–0"



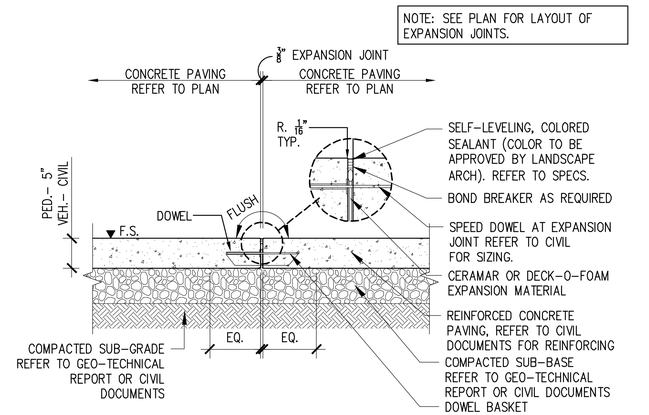
03 TYPICAL CONTROL JOINT
1" = 1'–0"



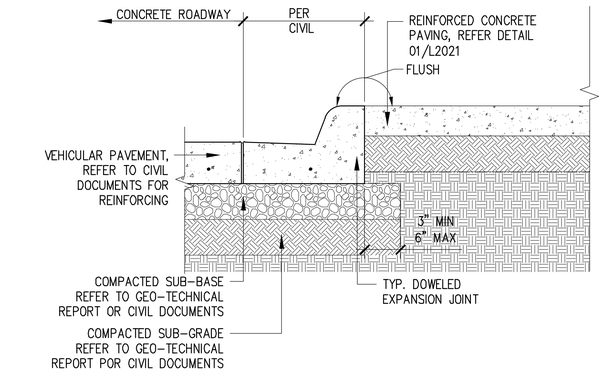
08 CONCRETE CURB AT PLANTING
1" = 1'–0"



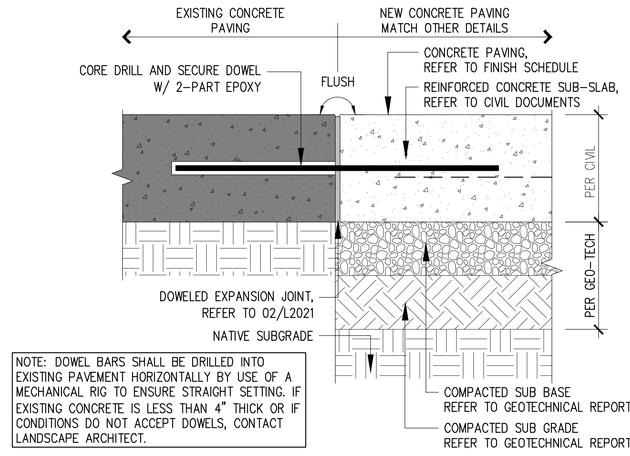
05 CONCRETE PAVING AT ARCHITECTURE
1" = 1'–0"



02 TYPCAL EXPANSION JOINT
1" = 1'–0"

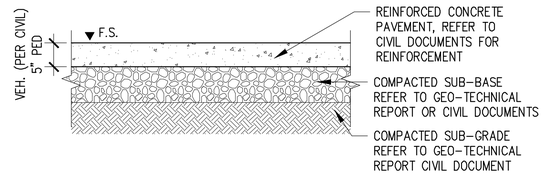


07 CONCRETE PAVING AT CONCRETE CURB
1" = 1'–0"



04 TYPICAL CONCRETE PAVING AT EXISTING CONCRETE
1" = 1'–0"

GENERAL NOTES:
1. PEDESTRIAN PAVING TO HAVE A MAX. 2% CROSS SLOPE AS SHOWN.
2. PEDESTRIAN PAVING TO HAVE A 8'–0" MIN. CLEARANCE ABOVE. PRUNE ALL OVERHANGING TREE LIMBS TO MAINTAIN THIS CLEARANCE.
3. PEDESTRIAN PAVING TO BE ON A MAXIMUM 5% LONGITUDINAL SLOPE.
4. PEDESTRIAN PAVING CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
5. CONCRETE PAVING THICKNESS TO BE MINIMUM OF 5" UNLESS NOTED ON PLANS.



NOTE: SEE PLAN FOR LAYOUT OF JOINTS.

01 TYPICAL CONCRETE
1" = 1'–0"

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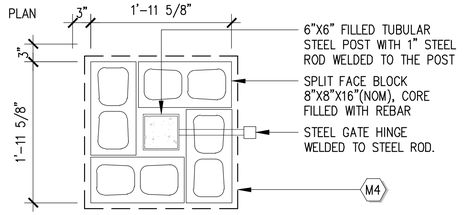
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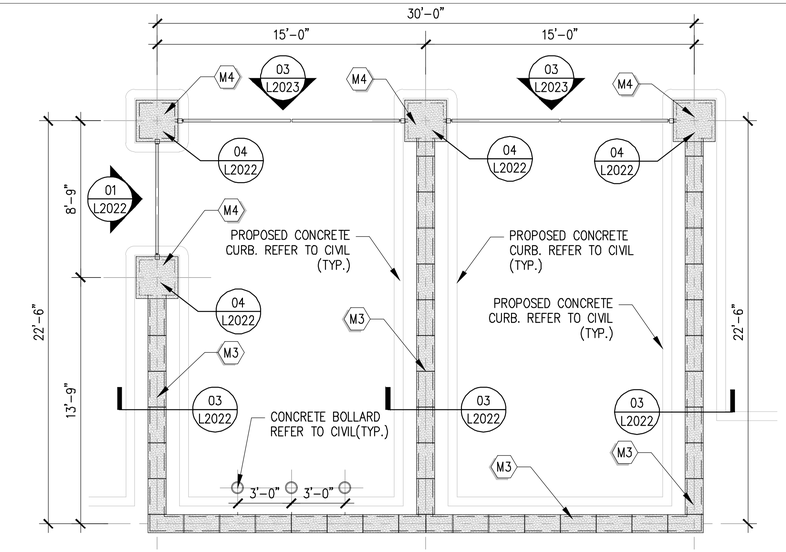
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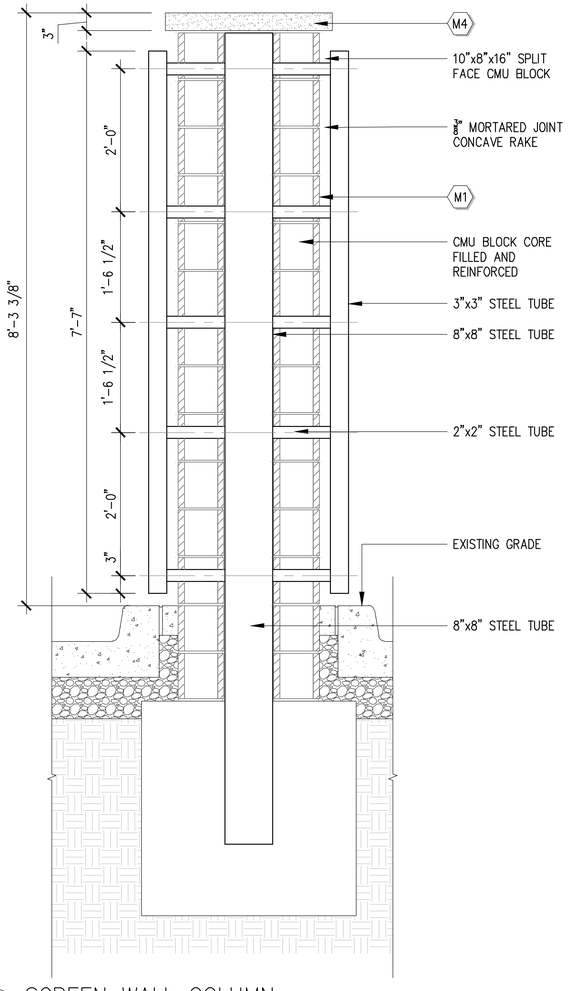
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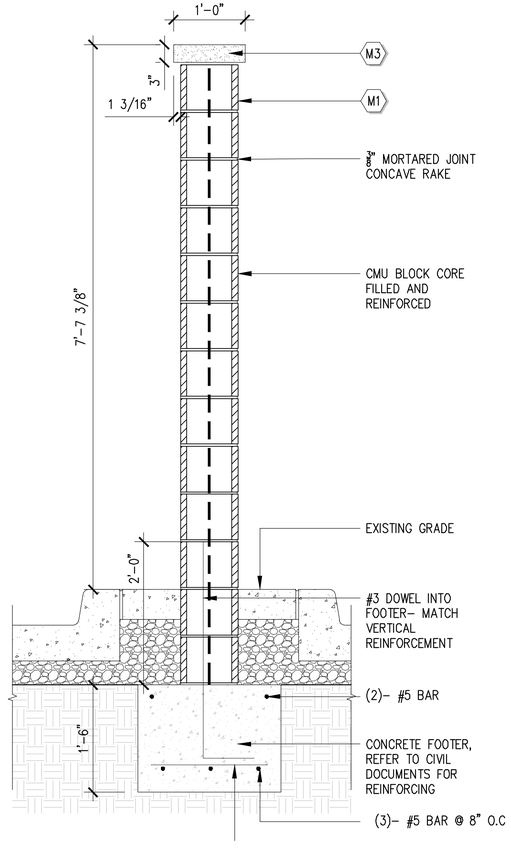
PLAN



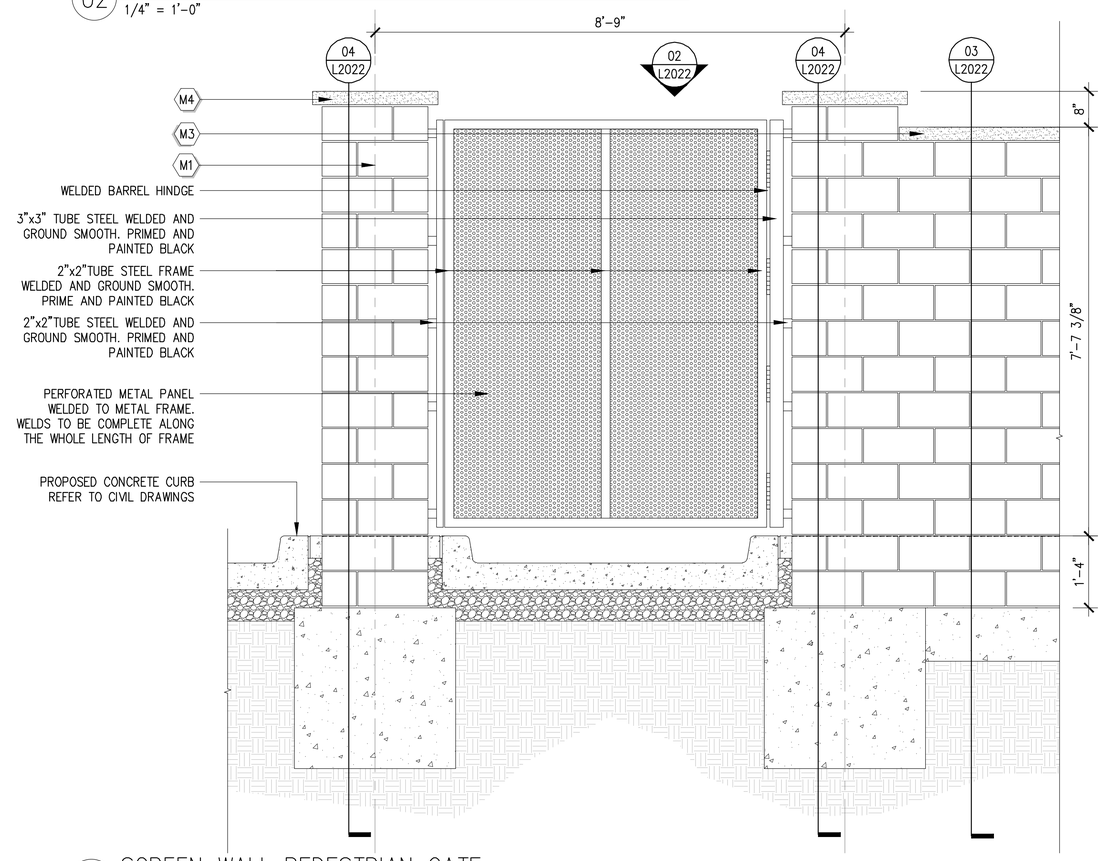
02 SCREEN WALL ENLARGEMENT
1/4" = 1'-0"



04 SCREEN WALL COLUMN
1" = 1'-0"



03 SCREEN WALL SECTION
1" = 1'-0"



01 SCREEN WALL PEDESTRIAN GATE
3/4" = 1'-0"

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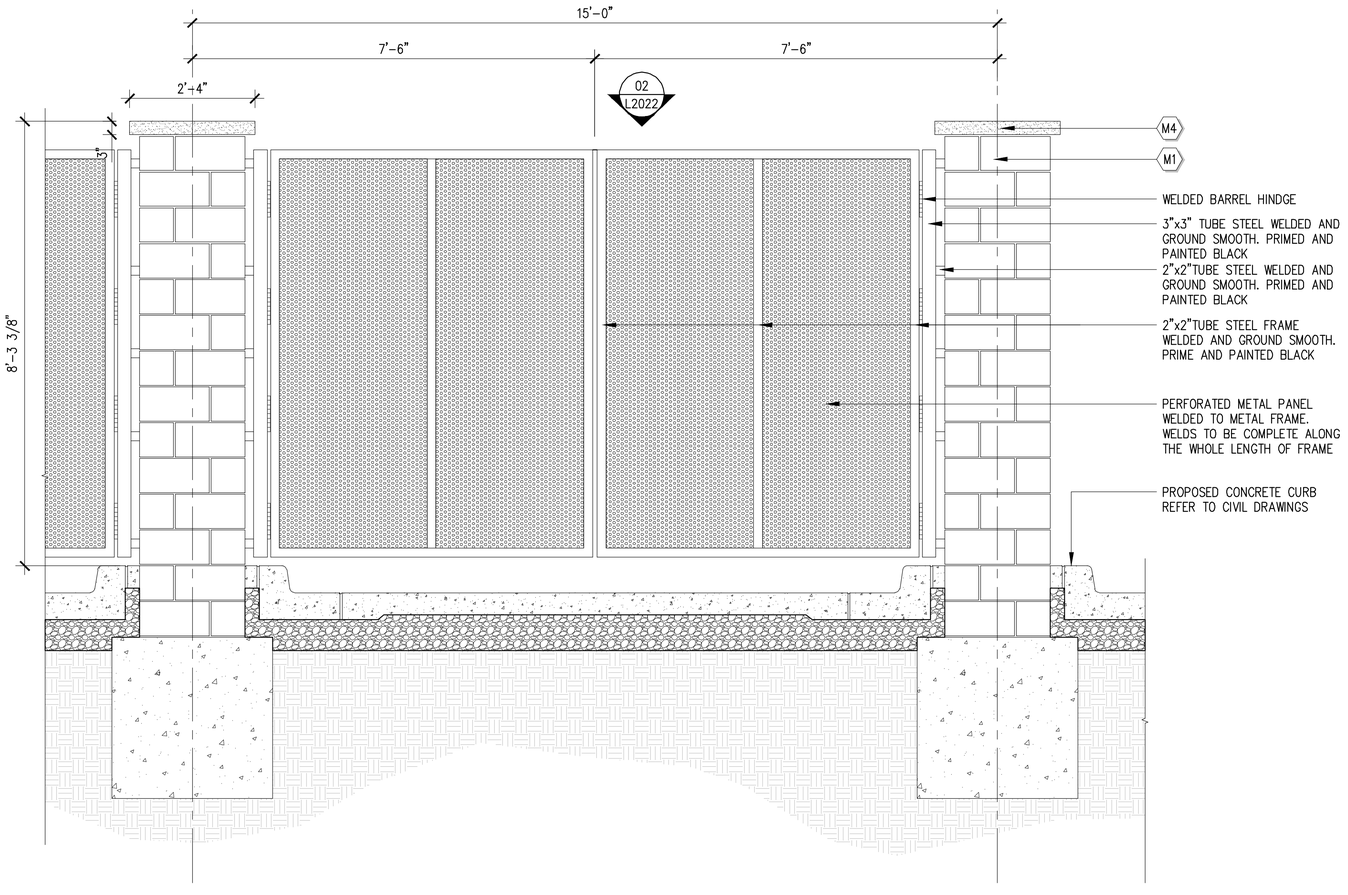
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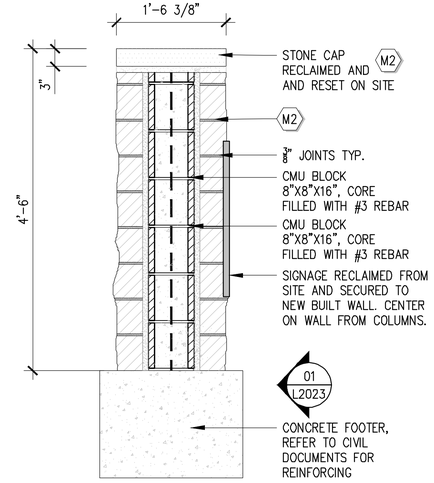
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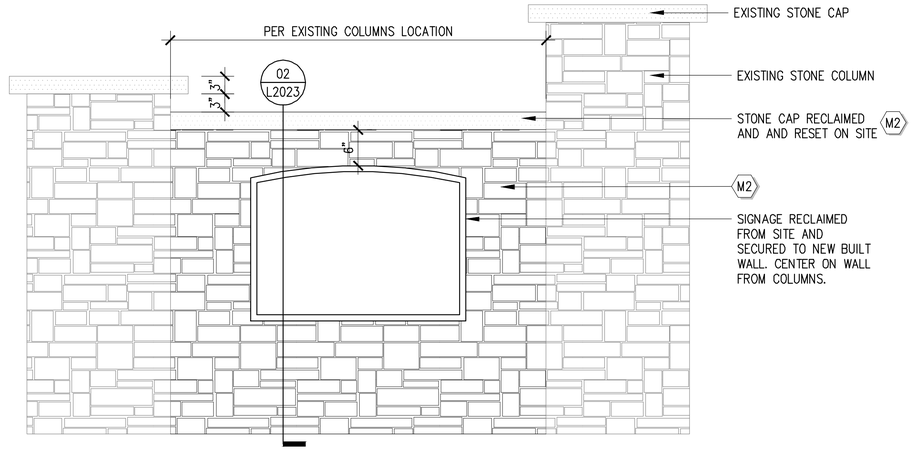
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03 DUMPSTER GATE ELEVATION
3/4" = 1'-0"



02 NEW WALL SECTION
1" = 1'-0"



01 TYPICAL NEW WALL ELEVATION
1" = 1'-0"

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PLANTING SCHEDULE

TREES

SYMBOL	ABBR.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY.	REMARKS
·	CER CAN	CERCIS CANADENSIS	EASTERN REDBUD	2" CAL	PER PLANS	1	FULL. MATURE. MATCHED CHARACTER IN FROM AND CANOPY SINGLE TRUNK. SPECIMEN QUALITY
·	COFL	CORNUS FLORIDA	FLOWERING DOGWOOD	2" CAL	PER PLANS	3	FULL. MATURE. MATCHED CHARACTER IN FORM AND CANOPY. SINGLE TRUNK. SPECIMEN QUALITY

SHRUBS

SYMBOL	ABBR.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY.	REMARKS
	COSE	CORNUS SERICEA 'KELSEYI'	'KELSEYI' RED OSIER DOGWOOD	7 GAL.	36" O.C.E.W.	PER PLAN	GRADE A PLANT MATERIAL; FULL AND WELL ROOTED; TRIANGULAR SPACED.
	HYQU	HYDRANGEA QUERCIFOLIA	OAKLEAF HYDRANGEA	7 GAL.	36" O.C.E.W.	PER PLAN	GRADE A PLANT MATERIAL; FULL AND WELL ROOTED; TRIANGULAR SPACED.
	ILVE	ILEX VERTICILLATA	WINTERBERRY	3 GAL.	24" O.C.E.W.	PER PLAN	GRADE A PLANT MATERIAL; FULL AND WELL ROOTED; TRIANGULAR SPACED.
	NERA	NEPETA RACEMOSA 'WALKER'S LOW'	WALKER'S LOW CATMINT	1 GAL.	18" O.C.E.W.	PER PLAN	GRADE A PLANT MATERIAL; FULL AND WELL ROOTED; TRIANGULAR SPACED.
	PIPU	PICEA PUNGENS 'GLOBOSA'	DWARF GLOBE BLUE SPRUCE	1 GAL.	18" O.C.E.W.	PER PLAN	GRADE A PLANT MATERIAL; FULL AND WELL ROOTED; TRIANGULAR SPACED.
	SESP	SEDUM SPECTABILE 'AUTUMN JOY'	AUTUMN JOY SEDUM	1 GAL.	18" O.C.E.W.	PER PLAN	GRADE A PLANT MATERIAL; FULL AND WELL ROOTED; TRIANGULAR SPACED.

GRASSES

SYMBOL	ABBR.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY.	REMARKS
	SOD	FESTUCA X	TALL FESCUE	STANDARD SQUARES OR ROLLS	FULL COVERAGE	PERPLANS; FULL COVERAGE	MATURE; WELL ROOTED TURF; NO WEEDS; DRY EDGES OR THIN SOIL PROFILES. DISCARD TOP LAYER OF PALLET

GROUNCOVER

SYMBOL	ABBR.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY.	REMARKS
	HOXB	HOSTA X 'BLUE ANGEL'	BLUE ANGEL HOSTA	1 GAL.	18" O.C.E.W.	PER PLAN	GRADE A PLANT MATERIAL; FULL AND WELL ROOTED; TRIANGULAR SPACED.
	RUHI	RUDBECKIA HIRTA	BLACK-EYED SUSAN	1 GAL.	18" O.C.E.W.	PER PLAN	GRADE A PLANT MATERIAL; FULL AND WELL ROOTED; TRIANGULAR SPACED.

NOTES:

PLANT QUANTITY REFERENCE CHART:

QUANTITY FORMULA BASED ON SPACING TYPE		EXAMPLE (100 SQ FT. AREA @ 24" O.C. SPACING)
SQUARE SPACING:	$\frac{\text{AREA (IN SQ FT.)}}{\text{SPACING}^2\text{(IN FEET)}}$	$\frac{100}{2^2}$ = 25 QTY
TRIANGULAR SPACING:	$\frac{\text{AREA (IN SQ FT.)}/0.86}{\text{SPACING}^2\text{ (IN FEET)}}$	$\frac{100/0.86}{2^2}$ =29 QTY

NOTE:
DEDUCT THE OFFSET DIMENSION SHOWN TO THE FIRST SHRUB WHEN CALCULATING SQUARE FOOT OF COVERAGE FOR THE AREA.

GENERAL PLANTING NOTES:

1. VERIFY LOCATIONS OF ALL PERTINENT SITE IMPROVEMENTS INSTALLED UNDER OTHER SCOPES AND UTILITIES. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTION PRIOR TO COMMENCING WORK.
2. LANDSCAPE CONTRACTOR TO VERIFY ALL UTILITIES AND VERIFY IN FIELD LOCATIONS AND DEPTHS. REPORT ANY CONFLICTS TO LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.
3. AGRONOMIC SOIL TESTING TO OCCUR ON SITE AT DESIGNATED LOCATIONS, PER SPECIFICATION SECTIONS 32 91 13. PROVIDE FOUR (4) TEST SAMPLES BASED ON SOIL TAKEN FROM A MINIMUM OF FOUR AREAS WITHIN SITE AT GENERALLY EQUAL SPACING ON SITE AND IN LOCATIONS APPROVED BY LANDSCAPE ARCHITECT.
4. SAMPLES SHALL THEN BE TESTED AND ANALYZED FOR AGRICULTURAL SUITABILITY AND FERTILITY BY ACCREDITED SOIL TESTING LABORATORY PER SPECIFICATIONS. ANALYSIS SHALL INCLUDE REVIEW AND COORDINATION WITH SPECIFICATIONS AND RECOMMENDATIONS FOR SOIL PREPARATION AND BACKFILL MIX. SUBMIT SOILS ANALYSES TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO SOIL PREPARATION. THIS REQUIREMENT APPLIES TO ALL SOILS AND CONDITIONS WITHIN THIS PROJECT.
5. PREPARE ALL PLANTING AREAS AS FOLLOWS PRIOR TO TOPSOIL PLACEMENT:
   - COMPLETE ROUGH GRADE TO ELEVATIONS OF FINAL GRADE LESS TOPSOIL DEPTH.
   - RIP SUB-SOIL TO MINIMUM 12" DEPTH FOR PLANTING AREAS AND 4" DEPTH FOR LAWN AND GRASSES AREAS.
   - TILL THE RIPPED SOIL TO BREAK DOWN SOILS CLUMPS TO SIZES NOTED IN SPECIFICATIONS AND RESPREAD TO MEET GRADE.
   - REMOVE ALL ROCKS, TRASH, DEBRIS OR OTHER CONTAMINANTS PER SPECIFICATIONS.
   - PLACE TOPSOIL IN DEPTHS SPECIFIED LIMITING EXCESSIVE COMPACTION.
6. TOPSOIL SHALL BE A MINIMUM OF 8 INCHES IN DEPTH OVER ALL NON-HARDSCAPE AREAS AND PLACED SUCH THAT TOP ELEVATION OF TOPSOIL IS ELEVATION OF FINISHED GRADE NOTED ABOVE. TOPSOIL SHALL CONFORM TO SPECIFICATIONS AND IMPORT TOP SOIL SHALL BE SIMILAR TO THE AREA'S EXISTING TOPSOIL, REFER TO SPECIFICATIONS. ON SITE TOPSOIL FROM STRIPPING OPERATIONS SHALL BE USED ON SITE PRIOR TO OFF SITE TOPSOIL. TOPSOILS SHALL BE TESTED PER SPECIFICATION AND AMENDED PER RECOMMENDATIONS FROM TESTING AGENT AND LANDSCAPE ARCHITECT. REFER TO SPECIFICATIONS FOR ADDITIONAL SOIL AMENDMENTS, REQUIREMENTS AND DEPTHS.
7. FINAL GRADING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO PLANTING.
8. FINISH GRADES OF ALL SHRUB AREAS SHALL BE MAX. (2 1/2") BELOW ADJACENT CURB OR PAVEMENT. APPLIED MULCH (2" DEPTH) SHALL BE 1/2" BELOW ADJACENT PAVEMENT.
9. FINISH GRADES OF ALL TURF AREAS (TOP OF SOD SOIL LEVEL) SHALL BE 1/2" BELOW ADJACENT CURB OR PAVEMENT, (UNLESS OTHERWISE NOTED).
10. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF FINE GRADING, REMOVAL OF MISCELLANEOUS DEBRIS AND ANY ADDITIONAL FILL REQUIRED TO CREATE A SMOOTH CONDITION PRIOR TO PLANTING IN ALL AREAS.
11. LANDSCAPE AND OPEN AREAS SHALL BE KEPT FREE OF TRASH, LITTER AND WEEDS AT ALL TIMES DURING CONSTRUCTION.
12. ALL TREES SHALL BE SELECTED AND TAGGED AT THE APPROVED LOCATION OF NURSERY OR FIELD GROWING CONDITIONS PER THE SPECIFICATIONS. ALL PLANT MATERIALS MAY ALSO BE INSPECTED AND REVIEWED AT THE PLACE OF GROWTH FOR VERIFICATION THEY ALIOGN WITH SPECIFIED TYPES, SIZES AND CONDITIONS.
13. PROVIDE MATCHING FORMS AND SIZES FOR ALL PLANT MATERIALS WITHIN EACH SPECIES, PLANT TYPE AND SIZE DESIGNATED.
14. ALL PLANT MATERIALS SHALL MEET OF EXCEED ALL ANSI Z60.1 STANDARD REQUIREMENT.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLANT COUNTS AND SQUARE FOOTAGE'S. QUANTITIES, IF PROVIDED ON THESE DOCUMENTS ARE FOR OWNER OR CITY INFORMATION ONLY. PLANT SPACING IS AS INDICATED ON 'PLANT SCHEDULE' UNLESS OTHERWISE NOTED. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE FULL COVERAGE IN ALL PLANTING AREAS AS SPECIFIED IN THE PLANT SCHEDULE.
16. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION, AND MUST BE REPLACED WITH PLANT MATERIAL OF SIMILAR VARIETY AND SIZE IF DAMAGED, DESTROYED, OR REMOVED.
17. PLANT MATERIALS SHALL BE DELIVERED TO THE SITE ONLY AFTER BEDS ARE GRADED, PREPARED, LAYOUTS APPROVED AND EDGINGS IN PLACE. ALL SHIPMENTS OF MATERIALS SHALL BE THOROUGHLY PROTECTED FROM DRYING WINDS AND SITTING IN FULL SUN DURING TRANSPORTATION. ALL PLANTS WHICH CANNOT BE PLANTED AT ONCE IR WITHIN 1-2 DAYS OF DELIVERY TO THE SITE SHALL BE WELL PROTECTED AGAINST THE POSSIBILITY OF DRYING OUT AND SUN DAMAGE. ALL ROOTBALLS IN BALLED AND BURLAPPED CONDITION SHALL BE SUPPORTED TO MAINTAIN VERTICAL PLACEMENT AND AND COVERED WITH MULCH OR SOIL SUCH THAT ROOT TIPS AND BURLAP DO NOT DRY OUT. ALL PLANTS SHALL BE WATERED AND MAINTAINED BY CONTRACTOR UNTIL PLANTED AND THEN IRRIGATED AS NEEDED WITH SUPPLEMENTAL WATERING PROVIDED AS NEEDED BY CONTRACTOR.
18. CONTRACTOR SHALL PROTECT ALL PLANTS AGAINST ENVIRONMENTAL CONDITIONS THAT DO NOT FAVOR THE PLANT MATERIALS DURING THE PROCESS OF DELIVERY, STORAGE OR INSTALLATION (HEAT, DRYING WINDS, FREEZE, FROST EXCESSIVE RAIN) AND CONSTRUCTION CONDITIONS (CHEMICAL STORAGE, EQUIPMENT, EQUIPMENT EXHAUST, ETC.)
19. ALL PLANTS ARE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE.
20. TREE LOCATIONS ARE GENERALLY DIAGRAMMATIC. CONTRACTOR SHALL STAKE ALL TREE LOCATIONS IN FIELD USING DIFFERENT COLORED OR FLAGGED WOOD STAKES FOR EACH DIFFERENT TREE SPECIES AND SIZE FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST TREES TO FINAL LOCATION IN FIELD.
21. SHRUB, GROUNDCOVER AND SEASONAL COLOR BED LAYOUTS SHALL BE STAKED BY CONTRACTOR FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO EXCAVATION OR EDGE SETTING. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST MINOR PLANT BED LAYOUTS TO EXACT LOCATION IN FIELD TO MEET INTENT AND SITE CONDITIONS (MINOR) AND SHALL GENERALLY MAINTAIN PLANS QUANTITIES.
22. ALL TREES TO BE PLANTED A MINIMUM OF (10'-0") FEET FROM FACE OF BUILDING AND (5'-0") FEET FROM CURBS OR PAVEMENT EXCEPT AS APPROVED BY LANDSCAPE ARCHITECT. ALL TREES TO BE PLANTED A MINIMUM (5'-0") FROM ALL UTILITY LINES EXCEPT AS APPROVED BY LANDSCAPE ARCHITECT.
23. LANDSCAPE ARCHITECT SHALL BE NOTIFIED BY CONTRACTOR MINIMUM (72) HOURS PRIOR TO PLANT DELIVERY SO THAT UPON DELIVERY LANDSCAPE ARCHITECT CAN REVIEW LAYOUTS AND PLACEMENT AS NEEDED AND PROVIDE COMMENTS PRIOR TO PLANTINGS.
24. LANDSCAPE ARCHITECT AND/OR OWNER RESERVE THE RIGHT TO REJECT ANY UNSATISFACTORY, DEFECTIVE PLANT MATERIAL OR ANY PLANT MATERIALS NOT MEETING SPECIFICATIONS AT ANY TIME DURING THE PROCESS OF PLANT SELECTION, DELIVERY OR PLANTING.
25. ALIGN AND EQUALLY SPACE IN ALL DIRECTIONS ALL TREES, SHRUBS AND VINES AS NOTED IN THE DRAWINGS.
26. LANDSCAPE ARCHITECT OR OWNER SHALL REVIEW PLANT MATERIAL AS NEEDED FOR CONFORMANCE TO SPECIFIED PLANT SPECIES AND VARIETIES, SIZING AND CONDITIONS AND PROVIDE COMMENTS, IF NEEDED TO CONTRACTOR.
27. INSTALL ALL PLANT MATERIAL IN ACCORDANCE WITH DETAILS AND SPECIFICATIONS.
28. TREES PLANTED ON A SLOPE SHALL HAVE THE SOIL STAIN AT THE AVERAGE GRADE OF SLOPE.
29. PRUNE NEWLY PLANTED TREES ONLY AS DIRECTED BY LANDSCAPE ARCHITECT. DO NOT PRUNE TREES AT NURSERY ONCE TAGGED BY LANDSCAPE ARCHITECT UNTIL ON-SITE AND SET AND ONLY UNDER DIRECTION OF LANDSCAPE ARCHITECT.
30. HARDWOOD MULCH SHALL BE USED IN ALL PLANTED AREAS (SHRUB, GROUNDCOVER, PERENNIAL, AND SEASONAL COLOR) EXCEPT HYDROSEEDED OR LAWN AREAS. ALL AREAS ARE TO BE MULCHED USING SHREDDED HARDWOOD MULCH AS NOTED IN DETAILS AND SPECIFICATIONS. A CONSISTENT TWO INCH (4") LAYER OF MULCH COVER SHALL BE APPLIED AT MINIMUM UNLESS NOTED OTHERWISE.
31. MAINTENANCE OF PLANTING AND GRASS/TURF AREAS SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS DELIVERED TO SITE AND SHALL CONTINUE UNTIL THE COMPLETION OF THE LANDSCAPE ESTABLISHMENT PERIOD PER THE SPECIFICATIONS.

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DRAWING TITLE: PLANTING NOTES AND SCHEDULE

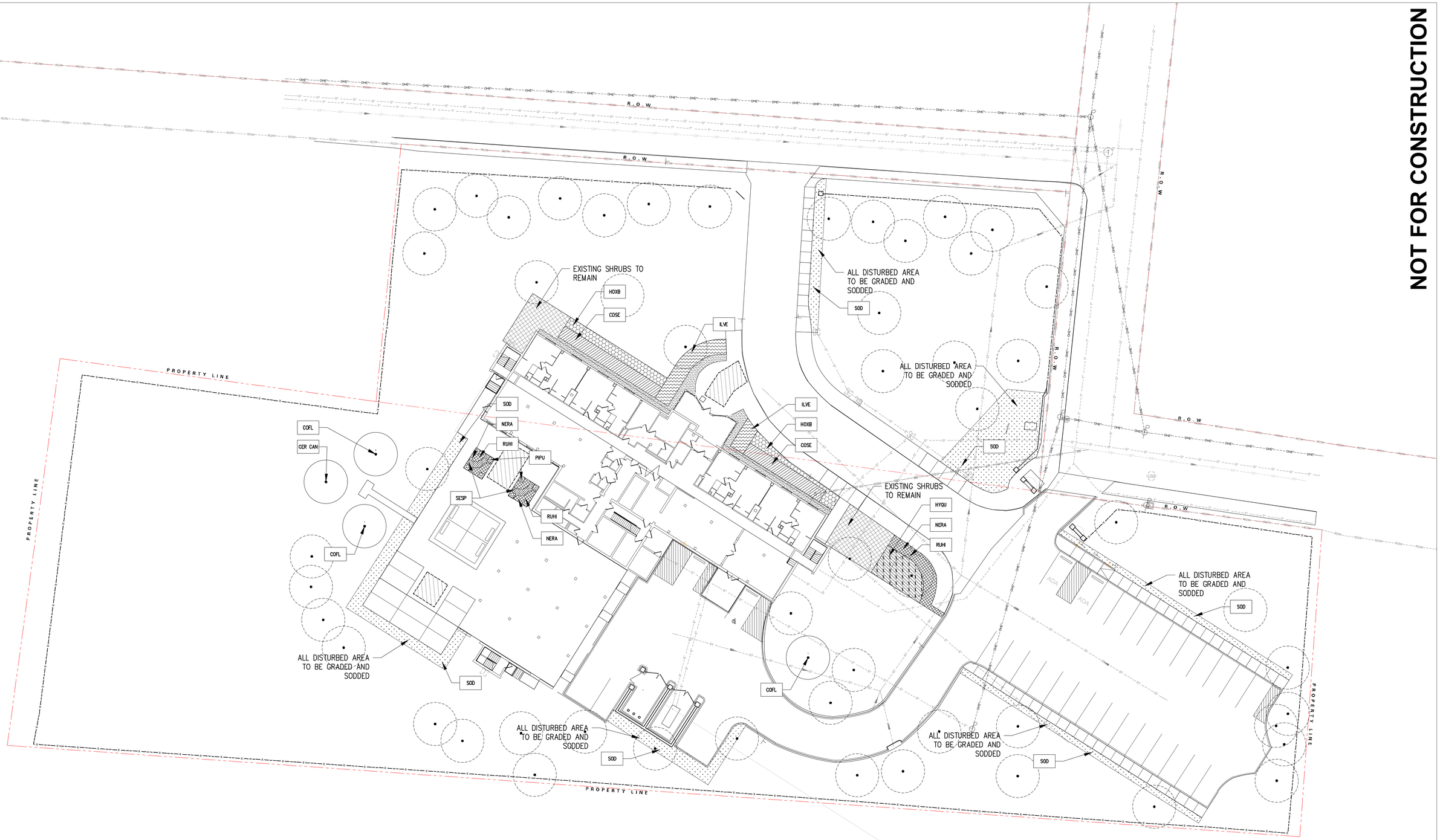
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0 10' 20'

1" = 20'

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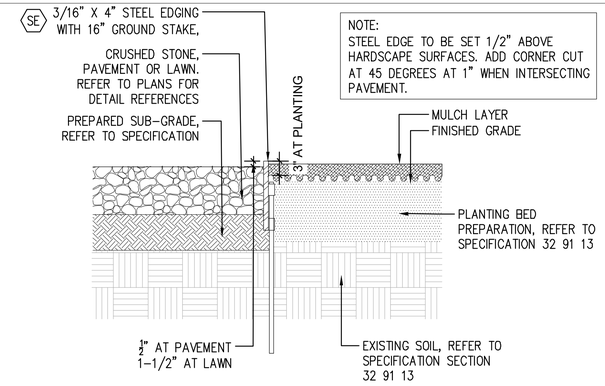
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DRAWING NUMBER: **L4011**

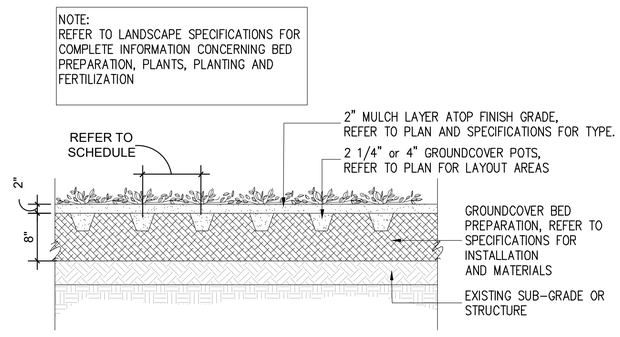
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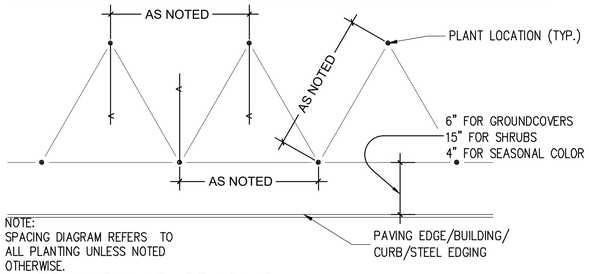
04 TYP. STEEL EDGING
1" = 1'-0"



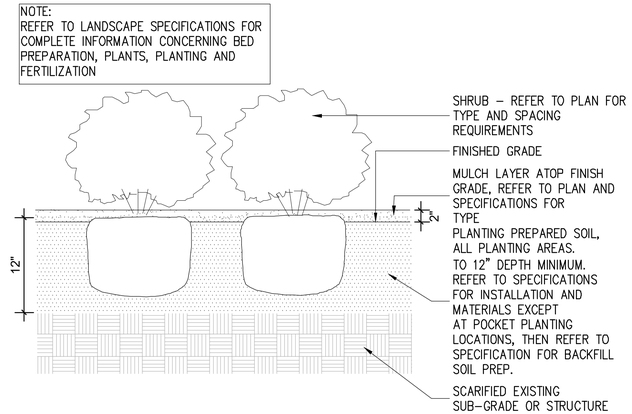
03 TYP. GROUND COVER PLANTING
1" = 1'-0"

PLANT QUANTITY CALCULATION		EXAMPLE (100 SQ FT. AREA @ 24"" O.C. SPACING)
SQUARE SPACING:	AREA (IN SQ FT.) / SPACING² (IN FEET)	100 / 2² = 25 QTY
TRIANGULAR SPACING:	AREA (IN SQ FT.)/0.86 / SPACING² (IN FEET)	100/0.86 / 2² = 29 QTY

NOTE:
DEDUCT THE OFFSET DIMENSION SHOWN TO THE FIRST SHRUB
WHEN CALCULATING SQUARE FOOT OF COVERAGE FOR THE PLANT AREA.

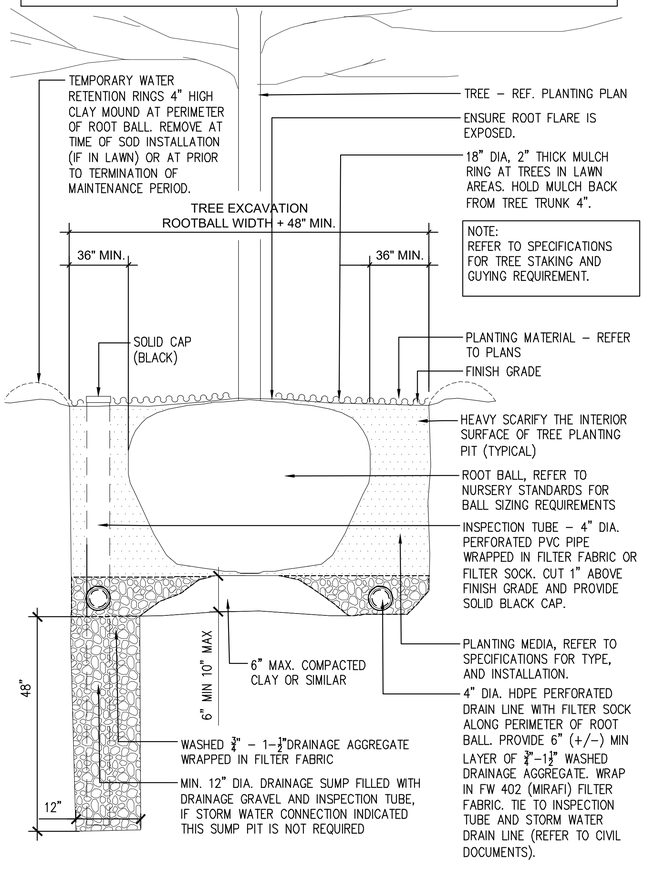


05 TRIANGULAR SPACING
1" = 1'-0"



02 TYP. SHRUB MASS PLANTING DETAIL
1" = 1'-0"

NOTES:
1. STABILIZE SOIL BELOW ROOT BALL PRIOR TO PLANTING TO PREVENT TREE FROM SETTLING.
2. TOP OF ROOTBALL SHALL BE 2" ABOVE FINISH GRADE.
3. ALL WIRE ROPE AND SYNTHETIC MATERIALS SHALL BE REMOVED COMPLETELY FROM ROOTBALL AND REMOVE TOP 1/3 OF BURLAP.
4. SIDES OF PLANTING PITS SHALL BE THOROUGHLY SCARIFIED.
5. TREE PLANTING PITS SHALL RECEIVE PERCOLATION TESTS PRIOR TO PLANTING PER SPECIFICATIONS.
6. REVIEW TREE EXCAVATION PITS WITH LANDSCAPE ARCHITECT PRIOR TO PLACEMENT OF TREES
7. REFER TO SPECIFICATIONS FOR TREE STAKING AND GUYING



01 TYP. TREE PLANTING DETAIL
1" = 1'-0"

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DRAWING TITLE: PLANTING DETAILS

DRAWING NUMBER: **L4021**

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MAPLE TOWER RAD RENOVATIONS

601 MAPLE AVENUE

CINCINNATI, HAMILTON COUNTY, OHIO

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LOCATION MAP

SCALE: N.T.S.

DRAWING INDEX				
SHEET NUMBER	DRAWING NUMBER	REVISION	ISSUE DATE	TITLE
1	CS0001	A	07/18/25	COVER SHEET
2	CS4001	A	07/18/25	GENERAL NOTES
3	CS4002	A	07/18/25	GENERAL NOTES
4	V1001	D	07/18/25	ALTA/NSPS LAND TITLE SURVEY (1 OF 3)
5	V1002	D	07/18/25	ALTA/NSPS LAND TITLE SURVEY (2 OF 3)
6	V1003	D	07/18/25	ALTA/NSPS LAND TITLE SURVEY (3 OF 3)
7	CD1001	D	07/18/25	DEMOLITION PLAN
8	CS1001	D	07/18/25	SITE & UTILITY PLAN
9	CS5001	D	07/18/25	SITE & UTILITY DETAILS
10	CS5002	C	07/18/25	SITE & UTILITY DETAILS
11	CE1001	D	07/18/25	EROSION & SEDIMENT CONTROL PLAN
12	CE4001	D	07/18/25	EROSION & SEDIMENT CONTROL NOTES
13	CE5001	D	07/18/25	EROSION & SEDIMENT CONTROL DETAILS

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138 EAST COURT ST
CINCINNATI, OHIO 45202
COUNTY ENGINEER
513-946-4250

SANITARY - METROPOLITAN SEWER DISTRICT
1600 GEST ST
CINCINNATI, OHIO 45204
CUSTOMER SERVICE
513-244-1300

STORMWATER - STORMWATER MANAGEMENT UTILITY
4747 SPRING GROVE AVE
CINCINNATI, OHIO 45232
CUSTOMER SERVICE
513-591-5050

WATER - GREATER CINCINNATI WATER WORKS
4747 SPRING GROVE AVE
CINCINNATI, OHIO 45232
CUSTOMER SERVICE
513-591-7700

SWPPP - HAMILTON COUNTY SWCD
2702 EAST KEMPER ROAD
SHARONVILLE, OHIO 45241
CUSTOMER SERVICE
513-946-8020

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CALL 8-1-1 or 1-800-362-2764
CALL TWO WORKING DAYS BEFORE YOU DIG
(NON MEMBERS MUST BE CALLED DIRECTLY)

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DRAWING TITLE:
COVER SHEET

DRAWING NUMBER:
CS0001

REV:
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SITE WORK GENERAL NOTES

THE CONTRACTOR'S RESPONSIBILITIES INCLUDE, BUT ARE NOT LIMITED TO, CONSTRUCTION PROCEDURES, MATERIALS, TESTING, INSTALLATION SEQUENCE AND COORDINATION WITH THE OWNER. THE OWNER AND R.E. WARNER SHALL NOT BE RESPONSIBLE FOR THE MEANS AND METHODS USED TO COMPLETE THIS PROJECT.

SECURE AND PAY FOR ALL LICENSES, GOVERNMENT FEES, AND PERMITS THAT MAY BE REQUIRED TO PROPERLY EXECUTE AND COMPLETE THE WORK.

LOCATE ALL REFERENCE POINTS, LAYOUT WORK, AND BE RESPONSIBLE FOR ALL MEASUREMENTS AND OTHER WORK TO BE EXECUTED UNDER THE CONTRACT. VERIFY ALL ITEMS SHOWN ON THE PLANS, VERIFY ALL DIMENSIONS OF ANY EXISTING AND NEW WORK, BE RESPONSIBLE FOR THEIR ACCURACY, AND SUBMIT ANY DIFFERENCES FOUND TO THE OWNER BEFORE PROCEEDING WITH THE WORK. NO EXTRA COMPENSATION WILL BE PERMITTED BECAUSE OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND MEASUREMENTS INDICATED ON THE DRAWINGS.

THE CONTRACTOR SHALL PROTECT EXISTING BUILDINGS AND FOUNDATIONS AND UNDERGROUND UTILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY CONSTRUCTION OPERATIONS.

MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHALL BE STORED AT OWNER DESIGNATED LOCATION(S).

SURVEY AND TOPOGRAPHIC DATA, ALONG WITH EXISTING UTILITY INFORMATION SHOWN ON THESE DRAWINGS WERE PROVIDED BY R.E. WARNER & ASSOCIATES INC. AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO STARTING WORK.

THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, TYPE, SIZE AND MATERIAL, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES. DURING INVESTIGATION OF THE EXISTING UTILITIES AND TOPOGRAPHY AND/OR DURING THE CONSTRUCTION PHASE, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF DISCREPANCIES FOUND BETWEEN THE PLANS AND THE EXISTING CONDITIONS. THE CONTRACTOR SHALL EXPOSE UTILITIES OR STRUCTURES. IF ANY UTILITIES AND/OR APPURTENANCES ARE DAMAGED DURING THE COURSE OF THIS PROJECT, THE CONTRACTOR WILL BE RESPONSIBLE FOR IMMEDIATELY NOTIFYING THE OWNER AND FOR REPAIRING AND REPLACING THE DAMAGED UTILITY AND/OR APPURTENANCES IN COMPLIANCE WITH THE OWNER'S OR UTILITIES REPAIR/REPLACEMENT STANDARDS. THE CONTRACTOR SHALL MAKE THE NECESSARY REPAIRS AT NO EXPENSE TO THE OWNER.

THE CONTRACTOR IS RESPONSIBLE FOR REMOVING, PRESERVING AND REPLACING, IF NECESSARY, ALL EXISTING OBSTRUCTIONS WHICH WOULD NORMALLY BE REMOVED AS PART OF THE CONTRACT BID WHERE SPECIFIED OR SHOWN ON THE PLANS.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING OPERATIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL FROM THE OWNER A CONSTRUCTION SCHEDULE PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL MAINTAIN ALL BUSINESS AND PROJECT INSURANCES REQUIRED BY THE SCOPE AND NATURE OF THE PROJECT, AND REQUIRED TO DO BUSINESS IN THE STATE OF OHIO, CUYAHOGA COUNTY AND THE CITY OF STRONGSVILLE. THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE OWNER, IN A TIMELY MANNER, ANY NONCONFORMING, AND PREVIOUSLY UNKNOWN, UNEXPOSED OR UNEXPECTED CONDITIONS WHICH MAY AFFECT THE NATURE, SCOPE, COST, SCHEDULE OR SAFETY OF THE PROJECT. BEFORE PROCEEDING WHEN ONE OF THESE CONDITIONS EXIST, THE CONTRACTOR SHALL WAIT FOR CLARIFICATIONS FROM THE OWNER. ANY WORK DONE UNDER THESE CONDITIONS WITHOUT CLARIFICATION OF INSTRUCTIONS WILL BE AT THE CONTRACTORS RISK.

THE CONTRACTOR SHALL HAUL-IN OR HAUL AWAY EXCESS EARTHWORK AS REQUIRED, AND SHALL DISPOSE OF SPOILS ACCORDINGLY. THE COST OF DISPOSAL OF ALL SPOIL MATERIAL SHALL BE INCLUDED IN THE COST OF THE PROJECT.

STANDARDS AND SPECIFICATIONS

WORK SHALL BE PERFORMED IN ACCORDANCE WITH SPECIFICATIONS/REQUIREMENTS OF THE CITY OF CINCINNATI, HAMILTON COUNTY AND THE LATEST EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION SPECIFICATIONS OR APPROVED EQUAL. IN THE CASE OF A CONFLICT BETWEEN THE CITY CINCINNATI AND THE OHIO DEPARTMENT OF TRANSPORTATION OR PROJECT SPECIFICATIONS/REQUIREMENTS, THE CITY OF CINCINNATI REQUIREMENTS WILL TAKE PRECEDENCE, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

PLAN DISCREPANCIES

OBSERVED DISCREPANCIES FROM THE PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER SO THAT THE APPROPRIATE ADJUSTMENTS MAY BE MADE PRIOR TO THE START OF CONSTRUCTION OR THE CONTINUATION OF CONSTRUCTION.

FAILURE BY THE CONTRACTOR TO VERIFY AND/OR DETERMINE EXISTING INFORMATION AND NOTIFY THE OWNER WILL RESULT IN THE CONTRACTOR BEING RESPONSIBLE FOR ANY CHANGES NECESSARY TO COMPLETE THE WORK SPECIFIED WITHOUT ADDITIONAL COMPENSATION.

PLAN MODIFICATIONS

ANY MODIFICATIONS TO THE NOTES OR CHANGES TO THE WORK AS SHOWN ON THESE PLANS MUST HAVE THE PRIOR WRITTEN APPROVAL OF THE OWNER. THE CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS INDICATING ALL CHANGES AND DEVIATIONS FROM THE CONSTRUCTION DRAWINGS.

SAFETY

IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, AT ALL TIMES FOR THE PROTECTION OF THE EMPLOYEES, WORKERS, GENERAL PUBLIC AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.

THE CONTRACTOR SHALL PROPERLY SUPPORT AND/OR MAINTAIN ALL EXCAVATIONS PER APPLICABLE SAFETY REQUIREMENTS AND COMPLY WITH ALL O.S.H.A. REGULATIONS. PRIOR TO COMMENCING CONSTRUCTION, THE OWNER/CONTRACTOR SHALL NOTIFY THE PROJECT'S ASSIGNED "COMPETENT PERSON' IN O.S.H.A. EXCAVATION STANDARDS.

PUBLIC STREETS SHALL BE KEPT CLEAN AND FREE OF DEBRIS (MUD, STONE, ETC.) AT ALL TIMES.

THE CONTRACTOR SHALL ALERT ALL LOCAL EMERGENCY AGENCIES (FIRE, POLICE, AMBULANCE, ETC.) OF THE NATURE OF THE PROPOSED PROJECT PRIOR TO BEGINNING OF CONSTRUCTION ACTIVITIES. ACCESS FOR EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.

CONSTRUCTION AREA

THE CONTRACTOR SHALL CONFINE OPERATIONS TO AREAS BEING CONSTRUCTED OR REPAIRED. DO NOT UNREASONABLY ENCUMBER THE SITE WITH MATERIALS OR EQUIPMENT. COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE OWNER.

THE CONTRACTOR SHALL CLOSE AND BACKFILL ALL UTILITY TRENCHES IMMEDIATELY FOLLOWING CONSTRUCTION. TRENCHES MAY BE PLATED AND SECURED OVERNIGHT IF NECESSARY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE SITE CLEAN, TAKE RESPONSIBILITY FOR FINAL CLEANING, AND REMOVE TOOLS, EQUIPMENT AND SURPLUS MATERIALS FROM THE SITE AT COMPLETION OF THE WORK. DO NOT STOCKPILE ANY EXCESS MATERIAL THAT IS NOT TO BE USED FOR ONSITE FILL. DISPOSE OF EXCESS MATERIAL AS DIRECTED BY THE OWNER.

EXISTING UTILITIES

THE CONTRACTOR'S RESPONSIBILITIES INCLUDE, BUT ARE NOT LIMITED TO, THE INVESTIGATION, VERIFICATION OR EXISTING UTILITY DIMENSIONS AND LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES.

THE CONTRACTOR SHALL NOTIFY CALL THE OHIO UTILITIES PROTECTIVE SERVICE AT 8-1-1 OR 1-800-362-2764, AND ALL PRIVATE UTILITY OWNERS A MINIMUM OF 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY.

EXISTING MONUMENTATION

THE CONTRACTOR SHALL PRESERVE ALL CORNERSTONES, IRON PINS, CONCRETE MONUMENTS AND/OR ANY TYPE OF LAND MONUMENT. THE CONTRACTOR SHALL REPLACE/RESET ANY DISTURBED OR DAMAGED MONUMENTS AND SHALL FURNISH A CERTIFICATION BY A REGISTERED SURVEYOR THAT REPLACED MONUMENTS HAVE BEEN RESTORED.

DEWATERING OPERATIONS

WHEN DEEMED NECESSARY BY SITE CONDITIONS OR EXCAVATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL DEWATERING EQUIPMENT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

THE PROPOSED LOCATION OF WELL POINTS, HEADER PIPE, ELECTRICAL DISTRIBUTION, GENERATORS AND DISCHARGE PIPES, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

INSPECTION

WORK REQUIRED FOR THIS IMPROVEMENT SHALL BE SUBJECT TO INSPECTION BY CITY/COUNTY OFFICIALS. THE CONTRACTOR SHALL GIVE A 24 HOUR NOTICE BEFORE STARTING ANY WORK ON THIS PROJECT AND SHALL KEEP THE OWNER INFORMED OF THEIR CONSTRUCTION SCHEDULE.

CONSTRUCTION NOISE

CONSTRUCTION NOISE ASSOCIATED WITH ANY IMPROVEMENT PROJECT SHALL BE LIMITED TO LEVELS COMMENSURABLE WITH ADJOINING LAND AND THEIR ASSOCIATED USAGE AS DETERMINED BY THE CITY OF CINCINNATI.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER AND CALCIUM CHLORIDE IF REQUIRED FOR DUST CONTROL AS DIRECTED BY THE OWNER AND/OR CITY. SUFFICIENT QUANTITIES OF MATERIAL SHALL BE STORED ON THE JOB SITE AT ALL TIMES TO BE USED FOR DUST CONTROL.

SITE UTILITY NOTES:

1. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF UTILITY COMPANIES AND MUNICIPAL DEPARTMENTS ON SITE AS REQUIRED.
2. SITE CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND UNDERGROUND UTILITY CONTRACTORS TO AVOID SEWERS AND OTHER UTILITY INTERFERENCES.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK SHOWN ON THESE DRAWINGS WITH THE WORK SHOWN ON THE BUILDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS, INCLUDING BUT NOT LIMITED TO BUILDING UTILITY & DOWNSPOUT ELEVATIONS.
4. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
5. STORM SEWERS SHALL BE HDPE OR APPROVED EQUIVALENT.
6. CORES IN STORM STRUCTURES MUST BE PROVIDED TO ACCOMMODATE ROOF DRAINS SHOWN ON REFERENCED DRAWINGS.
7. SANITARY SEWERS SHALL BE PVC SDR-35 OR APPROVED EQUIVALENT.
8. ALL UTILITIES ROUTED UNDER PROPOSED OR FUTURE PAVEMENT AND TO A POINT ONE (1) FOOT BEYOND ALL PROPOSED OR FUTURE CURBS SHALL BE BACKFILLED WITH PREMIUM MATERIAL PER ODOT ITEMS 611 OR 613.
9. INLET AND OUTLET STORMWATER PIPES SHALL BE JOINED TO THE MANHOLE, CATCH BASIN OR EXISTING STORM DRAINAGE STRUCTURE WITH A WATERTIGHT GASKET OR ANY OTHER WATERTIGHT CONNECTION ARRANGEMENT.
10. FITTINGS USED IN CONSTRUCTION OF WATER MAINS SHALL INCLUDE RESTRAINERS FOR ALL PVC AND DUCTILE IRON PIPE. CONCRETE THRUST BLOCKS ARE PERMITTED, BUT NO FLOWABLE BACKFILL IS PERMITTED. ALL WATER MAINS SHALL BE INSTALLED WITH #12 TRACER WIRE TO FACILITATE THE LOCATING OF THESE MAINS AFTER THEY ARE BURIED.
11. DURING TIE-INS OF WATER MAINS, THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING PIPE UPSTREAM AND DOWNSTREAM OF TIE-IN ZONE AT PRESSURE OF > 35 PSI. CONTRACTOR WILL BE RESPONSIBLE FOR DISINFECTING, FLUSHING, AND BACTERIA TESTING OF ANY WATER MAIN THAT DROPS BELOW 35 PSI.
12. MINIMUM PIPE CLEARANCES SHALL BE AS FOLLOWS:
    - A. A TEN FEET MINIMUM HORIZONTAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER LINE AND SANITARY SEWER.
    - B. AN 18-INCH MINIMUM VERTICAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER MAIN AND SANITARY SEWER AT ALL CROSSINGS.
    - C. A TEN FEET MINIMUM HORIZONTAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER MAIN AND STORM SEWER.
    - D. A 18-INCH MINIMUM VERTICAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE WATER MAIN AND STORM SEWER AT ALL CROSSINGS.
    - E. AN 18-INCH MINIMUM VERTICAL SEPARATION (OUT-TO-OUT, CLEAR) WILL BE MAINTAINED BETWEEN THE SANITARY SEWER AND STORM SEWER CROSSINGS. OTHERWISE, ENCASE IN CONCRETE.
13. RIGID POLYVINYL CHLORIDE (PVC) PRESSURE PIPE AND FITTINGS SHALL MEET REQUIREMENTS OF AMERICAN WATER WORKS ASSOCIATION AS PER AWAA C900 AND ASTM D-2772 FOR A WORKING PRESSURE OF 150 PSI WITH OUTSIDE DIMENSIONS THE SAME AS OUTSIDE DIMENSIONS OF CAST IRON PIPE AND A STANDARD DIMENSION RATIO OF SDR-18.
14. EACH JOINT MUST BE INSTALLED WITH A RUBBER RING AND BALL AS PART OF EACH JOINT TO PROVIDE FOR CONTRACTION AND EXPANSION.
15. PIPE AND FITTINGS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION AND SPECIFICATION. EACH LENGTH OF PIPE SHALL BE TESTED TO FOUR TIMES THE CLASS PRESSURE OF THE PIPE FOR A MINIMUM DWELL OF FIVE SECONDS.
16. ALL PIPE AND FITTINGS SHALL BE FREE OF DEFECTS, BLEMISHES, CRACKS OR OTHER IMPERFECTIONS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING AN EXFILTRATION TEST ON THE NEW PIPE AND MANHOLES IN ORDER TO DETERMINE LEAKAGE. THE METHOD OF TEST SHALL BE ACCEPTABLE TO THE CITY. MAXIMUM PERMISSIBLE LEAKAGE IS 100 GALLONS PER 24 HOURS PER INCH OF PIPE DIAMETER PER MILE OF SEWER. SEWER LEAKAGE TESTING SHALL COMPLY WITH ASTM F-1417 AND THE MANHOLE LEAKAGE TESTING SHALL COMPLY WITH ASTM C-1244.
18. ALL MANHOLES ARE TO BE CONSTRUCTED TO PERMIT GRADE ADJUSTMENTS BY USE OF CAST-IN-PLACE OR PRECAST ADJUSTMENT COLLARS. MANHOLES TO BE VACUUM TESTED IN ACCORDANCE WITH EPA REQUIREMENTS.
19. DEFLECTION TEST:
    - A. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE IN ACCORDANCE WITH ASTM D2412. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 60 DAYS TO PERMIT STABILIZATION OF THE SOIL-PIPE SYSTEM.
    - B. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. IF DEFLECTION EXCEEDS 5% REPLACEMENT OR CORRECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH REQUIREMENTS IN THE APPROVED SPECS.
    - C. THE RIGID BALL OR MANDREL USED FOR THE DEFLECTION TEST SHALL HAVE A DIAMETER NOT LESS THAN 95% OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
20. CONTACT THE CITY OF CINCINNATI FIRE DEPARTMENT 48 HOURS IN ADVANCE TO INSPECT THE HYDROSTATIC TEST AND FLUSHING OF THE UNDERGROUND FIRE LINE BEFORE BACKFILLING. THE FIRE LINE WILL BE FLUSHED WITH THE APPROPRIATE GPM AS NOTED IN THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR PRIVATE FIRE SERVICE LINES. THE CONTRACTOR IS RESPONSIBLE TO SUPPLY ALL NECESSARY MATERIALS AND TESTING EQUIPMENT.
21. CONTRACTOR SHALL COORDINATE TRENCHING AND BACKFILLING AROUND PERIMETER OF BUILDING WITH ELECTRICAL CONTRACTOR FOR INSTALLATION OF GROUNDING LOOP.

SANITARY SEWER ACCEPTANCE TESTING

1. SANITARY LINE AIR PRESSURE

A. LOW PRESSURE AIR SHALL BE INTRODUCED INTO THE SEALED LINE UNTIL THE INTERNAL PRESSURE REACHES 4.0 PSIG GREATER THAN THE AVERAGE BACK PRESSURE OF ANY GROUND WATER PRESSURE THAT MAY BE OVER THE PIPE. AT LEAST TWO (2) MINUTES SHALL BE ALLOWED FOR THE AIR PRESSURE TO STABILIZE. AFTER THE STABILIZATION PERIOD THE HOSE FOR INTRODUCING LOW PRESSURE AIR INTO THE SEALED LINE SHALL BE DISCONNECTED FROM THE AIR SOURCE IN SUCH A MANNER AS TO RETAIN THE PRESSURE IN THE SEALED LINE.

B. NO AIR PRESSURE LOSS SHALL BE ACCEPTED.

PIPE DIAMETER (INCHES)	MINUTES
6	4.0
8	4.0
10	5.0
12	5.5
15	7.5
18	8.5

C. WHERE HIGH GROUND WATER IS KNOWN TO EXIST, THE HEIGHT IN FEET OF GROUND WATER 2 FT. ABOVE THE INVERT OF THE SEWER SHALL BE DIVIDED BY 2.31 TO ESTABLISH THE POUNDS OF PRESSURE THAT WILL BE ADDED TO THE INTERNAL AIR PRESSURE USED FOR THE LINE ACCEPTANCE TEST. MAXIMUM AIR PRESSURE IS NOT TO EXCEED 8 PSIG. DOWN STREAM MANHOLE WELL POINT SHALL NOT BE PUMPED DOWN FOR THE PURPOSES OF THIS TESTING PROCEDURE.

D. IF THE INSTALLATION FAILS TO THE MEET THE REQUIREMENTS OF THIS TEST, THE CONTRACTOR SHALL DETERMINE AT HIS OWN EXPENSE THE SOURCE OF THE LEAKAGE. HE/SHE SHALL REPAIR OR REPLACE ALL DEFECTIVE MATERIALS AND/OR WORKMANSHIP AND THEN RE-TEST THE INSTALLATION FOR COMPLIANCE WITH THESE SPECIFICATIONS FOR THE LINE ACCEPTANCE TEST.

2. VACUUM TESTING FOR MANHOLES

VACUUM TESTING SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

A. THIS TEST METHOD IS ONLY APPLICABLE TO PRECAST MANHOLES AND ITEM "L" BELOW.

B. ALL LIFTING HOLES AND EXTERIOR JOINTS SHALL BE FILLED AND POINTED WITH AN APPROVED NON-SHRINKING MORTAR GROUT.

C. ALL PIPES, MANHOLE BOOT STUB OUTS AND OTHER OPENINGS INTO THE MANHOLE SHALL BE SUITABLY PLUGGED IN SUCH A MANNER AS TO PREVENT DISPLACEMENT OF THE PLUGS WHILE THE VACUUM IS DRAWN.

D. INSTALLATION AND OPERATION OF VACUUM EQUIPMENT AND INDICATING DEVICES SHALL BE IN ACCORDANCE WITH EQUIPMENT SPECIFICATIONS AND INSTRUCTIONS PROVIDED BY THE MANUFACTURER.

E. THE TEST HEAD SHALL BE PLACED AT THE INSIDE OF THE TOP OF THE MANHOLE, CASTING AND THE SEAL INFLATED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

F. A MEASURED VACUUM OF 10 INCHES OF MERCURY SHALL BE DRAWN TO THE MANHOLE. THE TIME FOR THE VACUUM TO DROP TO 9 INCHES OF MERCURY SHALL BE RECORDED.

G. ACCEPTANCE FOR 4 FT. DIAMETER MANHOLES SHALL BE DEFINED AS WHEN THE ELAPSED TIME FOR A NEGATIVE PRESSURE CHANGE FROM 10 IN. TO 9 IN. OF MERCURY MEETS OR EXCEEDS THE FOLLOWING:

MANHOLE DEPTH	DIAMETER	TIME TO DROP 1" HG
10 FT. OR LESS	4 FT.	60 SECONDS
10 FT. TO 15 FT.	4 FT.	75 SECONDS
15 FT. TO 25 FT.	4 FT.	90 SECONDS

H. FOR MANHOLES 5 FT. IN DIAMETER, ADD AN ADDITIONAL 15 SECONDS AND FOR MANHOLES 6 FT. IN DIAMETER 30 SECONDS TO THE TIME REQUIREMENTS FOR FOUR FOOT DIAMETER MANHOLES. PRECAST GREASE TRAP TIMING SHALL BE DEPENDANT UPON SIZES OF THE UNIT.

I. IF THE MANHOLE FAILS THE TEST, NECESSARY REPAIRS SHALL BE MADE BY THE CONTRACTOR AND THE VACUUM TEST REPEATED UNTIL THE MANHOLE PASSES THE TEST. REPAIRS ARE TO BE MADE WITH NON-SHRINK GROUT ONLY.

J. IF THE MANHOLE JOINT MASTIC IS DISPLACED DURING THE VACUUM TEST, THE MANHOLE SHALL BE DISASSEMBLED, THE SEAL REPLACED, AND THE MANHOLE RETESTED.

K. VACUUM TESTING WILL BE REQUIRED IN ALL EXISTING TIE-IN CONNECTION MANHOLES, UNLESS OTHERWISE ADVISED BY THE MUNICIPAL UTILITY DEPARTMENT OR UTILITY OWNER.

L. VACUUM TESTING METHOD SHALL ALSO BE USED IN THE CASE OF EXTERIOR PRECAST GREASE TRAP/INTERCEPTOR INSTALLATIONS.

M. COMPACTION AND TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SPECIFICATIONS/REQUIREMENTS OF THE LATEST EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION SPECIFICATIONS. COMPACTION AND TESTING SHALL CONFORM TO ODOT ITEM 204.

DRAINAGE:

CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE TO EXISTING STORM STRUCTURES FOR THE DURATION OF THE CONSTRUCTION SCHEDULE. SEE PROPOSED UTILITY PLAN AND STORM WATER POLLUTION PREVENTION PLAN AND DETAILS.

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North Olmsted, OH 44070

REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	TSW

REVISIONS

REW JOB #	07425
DESIGN BY	TSW
DRAWN BY	TSW
CHECK BY	ABS
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE
CINCINNATI, OH 45229

DRAWING TITLE:
GENERAL NOTES

DRAWING NUMBER:
CS4001

REV:
0

7/15/2025 8:31 AM

NOT FOR CONSTRUCTION

SURVEY NOTES:

1. ALL SURVEY AND TOPOGRAPHIC DATA, ALONG WITH EXISTING UTILITY INFORMATION SHOWN ON THIS DRAWING WAS TAKEN FROM AVAILABLE RECORDS AND FIELD SURVEYS PERFORMED BY RE WARNER & ASSOCIATES, INC. IN APRIL, 2025.
2. MEASUREMENTS ARE BASED ON THE FOLLOWING DATUMS:
   HORIZONTAL - U.S. STATE PLANE 1983/OHIO SOUTH 3402
   VERTICAL - GEOID MODEL G18US.
3. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

GENERAL DEMOLITION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REMOVING ALL DEMOLITION DEBRIS FROM THE SITE.
2. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/OR REPLACING ALL PAVEMENT, PAVEMENT MARKINGS, FENCES, WALKS, LAWN AND LANDSCAPING AREAS THAT ARE DAMAGED AND/OR DESTROYED AS PART OF THESE IMPROVEMENTS AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/OR REPLACING ALL PUBLIC AND PRIVATE UTILITIES THAT ARE DAMAGED AND/OR DESTROYED AS PART OF THESE IMPROVEMENTS AT NO ADDITIONAL COST TO THE OWNER.
4. PER THE U.S. FISH & WILDLIFE SERVICE, TREES MUST NOT BE CUT DOWN DURING THE MONTHS OF APRIL 1 THROUGH OCTOBER 15 IN ORDER TO PROTECT THE NORTHERN INDIANA BAT SPECIES. TREE REMOVAL IS DEFINED AS REMOVAL OF ALL TREES WITH A TRUNK DIAMETER EQUAL TO OR GREATER THAN 5 INCHES (SEE ODOT'S ECO TECHNICAL GUIDANCE ON INDIANA BAT AND NORTHERN LONG-EARED BAT PBO REVISED MAY 2018 DOCUMENT).
5. UTILITIES NOTED TO BE ABANDONED ARE TO BE REMOVED AS NEEDED FOR THE PROPOSED CONSTRUCTION. SEE SITE PLANS FOR ABANDONING LIMITS OF EXISTING UTILITIES AND ALL TEMPORARY AND PROPOSED RE-ROUTING LOCATIONS.

GENERAL LAYOUT NOTES:

1. BUILDING DIMENSIONS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY. SEE STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS.
2. WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
3. ALL PAVEMENT DIMENSIONS ARE TO FACE OF CURB.
4. ALL PROPOSED SWALES AND DISTURBED LAWN AREAS TO BE PERMANENTLY SEEDED UNLESS OTHERWISE NOTED.
5. SEE LANDSCAPING DRAWINGS FOR PLANTING DETAILS AND GENERAL NOTES AS WELL AT SITE IRRIGATION SYSTEM REQUIREMENTS.
6. SEE ELECTRICAL DRAWINGS FOR UNDERGROUND ELECTRICAL AND LIGHTING PLANS.
7. WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS/REQUIREMENTS OF THE CITY OF CINCINNATI, HAMILTON COUNTY, AND THE LATEST EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS OR APPROVED EQUAL.
8. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
9. ALL DISTURBED LAWN AREAS TO BE PERMANENTLY SEEDED UNLESS OTHERWISE NOTED.
10. ALL PAVEMENT MARKINGS SHALL BE ODOT ITEM 642, TYPE 1, 2 APPLICATIONS. COORDINATE COLOR WITH OWNER.
11. SEE LANDSCAPE ARCHITECTURE SHEETS L2021, L2022, AND L2023 FOR ALL HARDSCAPE DETAILS APPLICABLE TO FENCING, FENCE POSTS, SCREEN WALLS, SIGN, DECORATIVE AGGREGATE, CONCRETE JOINTS FOR PAVEMENT AND WALK, AND PERMEABLE PAVERS FOR BOTH PEDESTRIAN AND PARKING AREAS.
12. SPILL KITS AND DRAIN BLOCKER MATS SHALL BE PLACED NEARBY FUEL TANKS, TRANSFORMERS, AND EQUIPMENT AREAS CONTAINING OIL OR FUEL.

SITE GRADING PLAN GENERAL NOTES:

1. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY WITH EXISTING CONTOURS. ALL PROPOSED PAVEMENT EDGES SHALL MATCH AND BE BLENDED WITH EXISTING PAVEMENT EDGES.
2. THE GRADING SURROUNDING DRAINAGE STRUCTURES SHALL HAVE A UNIFORM AND POSITIVE SLOPE FROM THE LAST GIVEN ELEVATION TO THE STRUCTURE.
3. CONTRACTOR SHALL ENSURE ALL SITE CONDITIONS DRAIN ACCORDING TO THE NEW SITE CONDITIONS.
4. GRADES SHOWN ARE FINISH GRADES (UNLESS NOTED OTHERWISE). SEE PAVEMENT DETAILS TO DETERMINE DEPTH OF SUBGRADE.
5. PROPOSED SIDEWALK TO HAVE A MAXIMUM 1.5% CROSS SLOPE PER ADA STANDARDS.
6. CONTRACTOR TO FEATHER ELEVATIONS OF PROPOSED BUILDING FINISH FLOOR TO MATCH ELEVATIONS OF THE EXISTING BUILDING FINISH FLOOR.
7. ALL SWALES AND DISTURBED LAWN AREAS SHALL BE PERMANENTLY SEEDED. SEE SWPPP FOR MORE INFORMATION.
8. ALL LANDSCAPE AREAS SHALL HAVE A MAX SLOPE OF 3:1.
9. ALL ACCESSIBLE RAMPS SHALL BE INSTALLED PER DETAILS ON SHEET C500.

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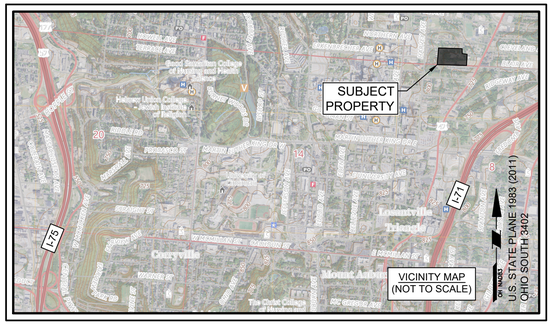
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ALTA/NSPS LAND TITLE SURVEY

FOR

CINCINNATI METROPOLITAN HOUSING AUTHORITY
AN OHIO POLITICAL SUBDIVISION

SITUATE IN THE CITY OF CINCINNATI
COUNTY OF HAMILTON AND STATE OF OHIO
PART OF MILLCREEK TOWNSHIP SECTION 9, TOWN 3, FRACTIONAL RANGE 2



LEGAL DESCRIPTION

PPN: 107-0008-0182-00
DEED BOOK 3307, PAGE 204

SITUATE IN THE CITY OF CINCINNATI, HAMILTON COUNTY, OHIO AND IN SECTION 9, TOWN 3, FRACTIONAL RANGE 2, MILLCREEK TOWNSHIP AND BEING PARTS OF LOTS NUMBERED 2, 3 AND 4 JAMES S. CORRY'S SUBDIVISION, PER SHERIFF AND RECORDER IN DEED BOOK 275, PAGE 529, HAMILTON COUNTY RECORDER'S OFFICE AND BEING THE SOUTH 46 FEET OF LOT NO. 15 OF JOHN M. SCUDDER'S SUBDIVISION, A PLAT OF WHICH IS RECORDED IN PLAT BOOK 6, PAGE 163 OF SAID RECORDS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE SOUTH LINE OF MAPLE AVENUE 450.80 FEET WEST OF THE INTERSECTION OF THE SOUTH LINE OF MAPLE AVENUE AND THE WESTERLY LINE OF READING ROAD;

THENCE S. 1° 30' E. A DISTANCE OF 141.94 FEET TO A POINT;

THENCE S. 88° 30' W. A DISTANCE OF 599.80 FEET TO A POINT IN THE EASTERLY LINE OF THE SAID JOHN M. SCUDDER'S SUBDIVISION;

THENCE WITH THE EASTERLY LINE OF THE SAID SCUDDER'S SUBDIVISION N. 2° 29' E. A DISTANCE OF 134.09 TO THE SOUTHEASTERLY CORNER OF LOT NO. 15 OF SAID SUBDIVISION;

THENCE WITH THE SOUTHERLY LINE OF SAID LOT NO. 15, N. 87° 31' W. A DISTANCE OF 100 FEET TO A POINT IN THE EASTERLY LINE OF HALLWOOD PLACE;

THENCE WITH THE EASTERLY LINE OF HALLWOOD PLACE N. 2° 29' E. A DISTANCE OF 46.00 FEET TO A POINT, SAID POINT BEING 4.00 FEET SOUTHWARDLY FROM THE NORTHWESTERLY CORNER OF SAID LOT NO. 15;

THENCE PARALLEL WITH THE NORTHERLY LINE OF SAID LOT NO. 15, AND 4.00 FEET DISTANT THEREFROM S. 87° 31' E. A DISTANCE OF 100 FEET TO A POINT IN THE EASTERLY LINE OF SAID LOT NO. 15;

THENCE S. 87° 49' E. A DISTANCE OF 147.46 FEET TO A POINT;

THENCE NO. 0° 09' E. A DISTANCE OF 120.65 FEET TO A POINT IN THE SOUTHERLY LINE OF MAPLE AVENUE;

THENCE WITH THE SOUTHERLY LINE OF MAPLE AVENUE NO. 88° 24' E, A DISTANCE OF 310.00 FEET TO A POINT IN THE WESTERLY LINE OF KNOTT STREET;

THENCE WITH THE WESTERLY LINE OF KNOTT STREET S. 0° 30' W. A DISTANCE OF 139.20 FEET TO A POINT, SAID POINT BEING THE INTERSECTION OF THE WESTERLY LINE OF KNOTT AND THE SOUTHERLY LINE OF MAPLE AVENUE AS RUNNING EASTWARDLY FROM KNOTT STREET;

THENCE WITH THE SOUTHERLY LINE OF MAPLE AVENUE S. 87° 02' E. A DISTANCE OF 131.92 FEET TO THE PLACE OF BEGINNING AND CONTAINING 3.231 ACRES OF LAND, MORE OR LESS.

BEING THE SAME TRACT OF LAND CONVEYED TO THE ORTHODOX JEWISH HOME FOR THE AGED, THE GRANTOR HEREIN, BY DEEDS RECORDED IN DEED BOOK 1184, PAGE 525, DEED BOOK 1193, PAGE 20 AND DEED BOOK 1322, PAGE 434, HAMILTON COUNTY RECORDER'S OFFICE.

ZONING INFORMATION

THE SUBJECT PREMISES IS ZONED RM-0.7-T PER THE CITY OF CINCINNATI CAGIS ZONING MAP MADE AVAILABLE ONLINE BY THE CTY OF CINCINNATI DEPARTMENT OF BUILDINGS & INSPECTIONS. A CITY OF CINCINNATI ZONING VERIFICATION LETTER WAS NOT PROVIDED TO THE SURVEYOR.
THE INFORMATION BELOW WAS OBTAINED FROM TITLE XIV, CHAPTER 1405, SECTION 07 AND TITLE XIV, CHAPTER 1425 OF THE CITY OF CINCINNATI, OHIO CODE OF ORDINANCES.

LOT REGULATIONS
MIN. LOT AREA - 700 SQ. FT. PER DWELLING UNIT
MIN. LOT WIDTH - NONE

YARD REGULATIONS
MIN. FRONT BUILDING SETBACK - 5 FT.
PER RM-0.7 DISTRICT (MULTI-FAMILY RESIDENTIAL)
MIN. SIDE BUILDING SETBACK - 0 FT. MIN., 5 FT. TOTAL PLUS 1 FT.
MIN. AND 2 FT. TOTAL FOR EACH FIVE FEET OF BUILDING HEIGHT ABOVE 35 FT.
(RESULTING IN 14 FT. MIN., 33 FT. TOTAL)
MIN. REAR BUILDING SETBACK - 25 FT. MIN. PLUS 1 FT. FOR EACH FIVE FEET OF BUILDING HEIGHT ABOVE 35 FT.
(RESULTING IN 39 FT. REAR SETBACK)

MINIMUM PARKING SETBACK
MIN. FRONT SETBACK - NOT PERMITTED
MIN. REAR OR SIDE SETBACK - NONE FOUND

HEIGHT OF BUILDING = 107'-7" AND 38'-7" (SEE PLAN FOR AREAS)
FLOOR SPACE = 13,167 SQ. FT.

BASIS OF BEARINGS

THE BASIS OF BEARINGS IS U.S. STATE PLANE 1983 (2011) OHIO SOUTH 3402.

ENCROACHMENTS

1. POSSIBLE ENCROACHMENT OF SIDEWALK ALONG SOUTH LINE OF MAPLE AVENUE (APPROXIMATELY 4 FEET).
2. POSSIBLE ENCROACHMENT OF GRAVEL PILE ALONG SOUTH LINE OF PARCEL #107-0008-0136-00 (AS SHOWN ON PLAT).

NOTES

1. THE PROPERTY HAS DIRECT ACCESS TO MAPLE AVENUE, A DEDICATED PUBLIC STREET AND RIGHT OF WAY AND KNOTT STREET, A DEDICATED PUBLIC STREET AND RIGHT OF WAY.
2. THERE IS EVIDENCE OF EARTH MOVING WORK ALONG THE SOUTH LINE OF PARCEL #107-0008-0136-00 AS SHOWN ON SHEET 2.
3. THERE IS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.
4. NO INFORMATION WAS OBSERVED OR PROVIDED TO THE SURVEYOR TO INDICATE THE EXISTENCE OF DIVISION OR PARTY WALLS ON THIS PROPERTY.
5. NO PROPERTY IMPROVEMENTS WERE OBSERVED WITHIN OFFSITE EASEMENTS OR SERVITUDES BENEFITING THE SUBJECT PROPERTY, NOR WERE ANY SUCH EASEMENTS OR SERVITUDES FOUND OR PROVIDED.
6. ALL SURVEY AND TOPOGRAPHIC DATA, ALONG WITH EXISTING UTILITY INFORMATION SHOWN HEREON WAS TAKEN FROM AVAILABLE RECORDS AND FIELD SURVEYS PERFORMED BY R.E. WARNER & ASSOCIATES, INC. IN MARCH 2025. VERTICAL RELIEF IS SHOWN IN 1-FOOT CONTOURS. SEE ELEVATION BENCHMARKS ON SHEET 3 OF THIS SURVEY.
7. MEASUREMENTS SHOWN HEREON ARE IN U.S. SURVEY FEET AND DECIMAL PARTS THEREOF AND ARE BASED ON THE FOLLOWING DATUMS:
   HORIZONTAL - U.S. STATE PLANE 1983 OHIO SOUTH 3402, GEOID MODEL G18US.

FLOOD ZONE DESIGNATION

THE SUBJECT PROPERTY IS LOCATED WITHIN (ZONE "X") AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.

AS SHOWN ON THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL 238 OF 390 (MAP NUMBER 39061C0238E), HAVING AN EFFECTIVE DATE OF FEBRUARY 17, 2010. (PANEL NOT PRINTED PER FEMA MAP SERVICE CENTER DUE TO NO SPECIAL FLOOD HAZARD AREAS EXISTING WITHIN PANEL AREA)

2021 ALTA/NSPS LAND TITLE CERTIFICATION

TO CINCINNATI METROPOLITAN HOUSING AUTHORITY, AN OHIO POLITICAL SUBDIVISION.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 7(a), 7(b)(1), 7(c), 8, 9, 11(a), 13, 14, AND 16 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED IN MARCH AND APRIL 2025.

DATE OF PLAT JULY 18, 2025

BY: _____
CHRISTOPHER J. TOMKO
OHIO PROFESSIONAL SURVEYOR REGISTRATION NO. 8243
EMAIL: CTomko@rewarner.com / PHONE: 440-835-9400

NOTES CORRESPONDING TO SCHEDULE B - PART II EXCEPTIONS

NO TITLE COMMITMENT WAS PROVIDED TO THE SURVEYOR .

NOTES CORRESPONDING TO TABLE A - OPTIONAL SURVEY RESPONSIBILITIES AND SPECIFICATIONS

1. FOUND AND SET MONUMENTS ARE SHOWN ON SHEET 2.
2. ADDRESSES OF THE SURVEYED PROPERTY ARE SHOWN ON SHEET 2.
3. FLOOD ZONE CLASSIFICATION IS SHOWN ON THIS SHEET.
4. GROSS LAND AREAS ARE SHOWN ON SHEET 2. TOTAL COMBINED GROSS LAND AREA IS 141,020.122 SQ. FT. OR 3.237 AC.
5. VERTICAL RELIEF CONTOURS ARE SHOWN ON SHEET 3.

7(a). EXTERIOR BUILDING DIMENSIONS ARE SHOWN ON SHEETS 2 AND 3.

7(b)(1). SQUARE FOOTAGE OF BUILDING FOOTPRINT IS SHOWN ON SHEET 3.

7(c). BUILDING HEIGHTS ARE SHOWN ON ALL SHEETS.

8. SUBSTANTIAL FEATURES OBSERVED DURING FIELDWORK ARE DEPICTED ON SHEET 3.
9. NUMBER AND TYPE OF PARKING SPOTS ARE LISTED ON THIS SHEET AND DEPICTED ON SHEET 3.

11(a). EVIDENCE OF EXISTING UNDERGROUND UTILITIES ON THE PROPERTY WAS TAKEN FROM PLANS PROVIDED BY CMHA AND DEPICTED ON SHEET 3. NO PRIVATE UTILITY LOCATE REQUEST WAS PERFORMED.

13. NAMES OF ADJOINERS ARE DETAILED ON SHEET 2.
14. DISTANCES TO NEAREST INTERSECTIONS ARE DEPICTED ON SHEET 2.
16. EVIDENCE OF RECENT EARTH MOVING WORK WAS FOUND AND IS DEPICTED ON SHEET 2.
17. STREET RIGHT OF WAY IS DETAILED ON THIS SHEET.
18. NO PLOTTABLE OFFSITE EASEMENTS WERE FOUND BY OR PROVIDED TO THE SURVEYOR.
19. PROFESSIONAL LIABILITY INSURANCE BY THE SURVEYOR IS IN EFFECT IN THE AMOUNT OF $5,000,000 AT THE TIME OF THIS SURVEY.

PREPARED FOR

CINCINNATI METROPOLITAN HOUSING AUTHORITY
1627 WESTERN AVENUE
CINCINNATI, OH 45214

PARKING SPACES

REGULAR PARKING SPACES - 27
HANDICAP PARKING SPACES - 5

UTILITIES INFORMATION

THE APPROXIMATE SIZES AND LOCATIONS OF UNDERGROUND FACILITIES ARE DEPICTED HEREON ACCORDING TO OBSERVATIONS COMBINED WITH AVAILABLE RECORDS FROM CMHA.

THE EXACT SIZES, LOCATIONS AND DEPTHS OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DETERMINED WITHOUT EXCAVATION.

RIGHT OF WAY CHANGES

NO EVIDENCE WAS FOUND OF ANY PLANNED RIGHT OF WAY CHANGES AFFECTING THE SUBJECT PROPERTY.

EXISTING STRUCTURE TABLE

KEYNOTE	STRUCTURE NAME	STRUCTURE DETAILS
150	EX. CATCH BASIN	RIM = 765.69 12" RCP (E) INV. = 762.49
151	EX. STORM MH.	RIM = 770.94 12" RCP (SW) INV. = 765.64 12" RCP (SE) INV. = 765.64 12" RCP (W) INV. = 761.44 12" RCP (NE) INV. = 761.39
152	EX. CURB INLET	RIM = 769.84 12" RCP (N) INV. = 766.19
153	EX. CURB INLET	RIM = 769.57 12" RCP (N) INV. = 766.62
154	EX. STORM MH.	RIM = 772.54 12" RCP (SW) INV. = 766.54 12" RCP (SE) INV. = 763.74 12" RCP (NW) INV. = 760.99 12" RCP (N) INV. = 760.84
155	EX. CURB INLET	RIM = 773.89 12" RCP (SE) INV. = 770.64* 12" RCP (NW) INV. = 768.89*
156	EX. CATCH BASIN	RIM = 777.10 12" RCP (SE) INV. = 773.30
157	EX. CATCH BASIN	RIM = 770.21 12" RCP (NW) INV. = 764.86
158	EX. STORM MH.	RIM = 773.50* 12" RCP (NE) INV. = 758.40* 12" RCP (S) INV. = 758.40*
159	EX. STORM MH.	RIM = 767.47 12" RCP (SW) INV. = 757.47 12" RCP (N) INV. = 757.42
160	EX. CURB INLET	RIM = 767.20 12" PVC (SW) INV. = 763.75 12" RCP (N) INV. = 762.10 12" RCP (NE) INV. = 761.85
161	EX. CURB INLET	RIM = 767.31 FILLED WITH DEBRIS
162	EX. CURB INLET	RIM = 766.65 12" RCP (S) INV. = 763.15
250	EX. COMBINED SWR. MH.	RIM = 776.00* 8" STORM ROOF DRAIN (NW)* 12" RCP (NE) INV. = 763.75*
251	EX. COMBINED SWR. MH.	RIM = 771.84 12" RCP (W) INV.=761.39 12" RCP (E) INV.=761.34 12" RCP (SW) INV.=761.21*
252	EX. COMBINED SWR. MH.	RIM = 766.75 12" RCP (SW) INV. = 760.75 12" RCP (W) INV. = 756.60 12" RCP (S) INV. = 756.00 12" RCP (N) INV. = 755.95
253	EX. COMBINED SWR. MH.	RIM = 785.68 12" RCP (W) INV. = 773.63 12" RCP (E) INV. = 773.58
350	EX. WATER SERVICE VAULT	RIM = 774.38
550	EX. TELECOM MH.	RIM = 772.27
551	EX. TELECOM MH.	RIM = 766.68
552	EX. TELECOM MH.	RIM = 777.20
553	EX. TELECOM MH.	RIM = 785.54
950	EX. UNKNOWN MH.	RIM = 770.42

* DENOTES UTILITY LOCATION, SIZE AND MATERIAL ARE BASED ON RECORD DRAWINGS AND ARE APPROXIMATE.

Ohio Utilities Protection Service
Call 811 before you dig
CALL 8-1-1 or 1-800-362-2764
CALL TWO WORKING DAYS BEFORE YOU DIG
(NON MEMBERS MUST BE CALLED DIRECTLY)

LEGEND

- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- EX. PROPERTY LINE
- EX. RIGHT OF WAY (R/W) LINE
- EX. SUBDIVISION LINE
- EX. STORM SEWER
- EX. SANITARY SEWER
- EX. ELECTRIC LINE
- EX. OVERHEAD ELECTRIC LINE
- EX. GAS LINE
- EX. WATER LINE
- EX. FENCE LINE
- EX. FENCE GATE
- EX. TREE LINE
- CROSS CUT FOUND
- I.P.F. IRON PIN FOUND
- I.P.F. CAPPED IRON PIN FOUND
- P.F. IRON PIPE FOUND
- M.N.S. MAG NAIL SET
- D.H.S. DRILL HOLE SET
- BENCH MARK
- MONUMENT BOX FOUND
- EX. CATCH BASIN (C.B.)
- EX. STORM MANHOLE (STM. MH.)
- EX. CURB INLET (C.I.)
- EX. SANIATARY MANHOLE (SAN. MH.)
- EX. WATER MANHOLE
- EX. FIRE HYDRANT
- EX. GAS VALVE
- EX. GAS METER
- EX. ELECTRIC METER
- EX. ELECTRIC PULLBOX
- EX. ELECTRIC MANHOLE
- EX. TELECOM RISER PEDESTAL
- EX. UNKNOWN MANHOLE
- EX. UNKNOWN MANHOLE
- EX. GUY WIRE ANCHOR
- EX. 1-POST SIGN
- EX. AIR CONDITIONING UNIT
- EX. ADA PARKING PAVEMENT MARKING
- EX. SQUARE COLUMN
- EX. POST OR ROUND COLUMN
- EX. LIGHT POLE
- EX. POWER POLE
- EX. FLAG POLE
- EX. DECIDUOUS TREE
- EX. EVERGREEN TREE
- FLOW ARROW
- PVC POLYVINYL CHLORIDE PIPE
- RCP REINFORCED CONCRETE PIPE
- (D.) DISTANCE FROM DEED
- (M.) MEASURED DISTANCE
- (F.) FOUND
- (U.) USED
- (C.) CALCULATED
- (R.) RECORD
- * DENOTES APPROXIMATE UTILITY LOCATION BASED ON RECORD DRAWINGS.
- P.P.O.B. PRINCIPAL POINT OF BEGINNING

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25000 Country Club Blvd., Suite 340,
North Olmsted, OH 44070

REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	JPS

REVISIONS

REW JOB #	07425
DESIGN BY	JPS
DRAWN BY	JPS
CHECK BY	CJT
DATE	07/18/25
SCALE	AS NOTED

CMHA
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
ALTA / NSPS LAND TITLE SURVEY
SHEET 1 OF 3

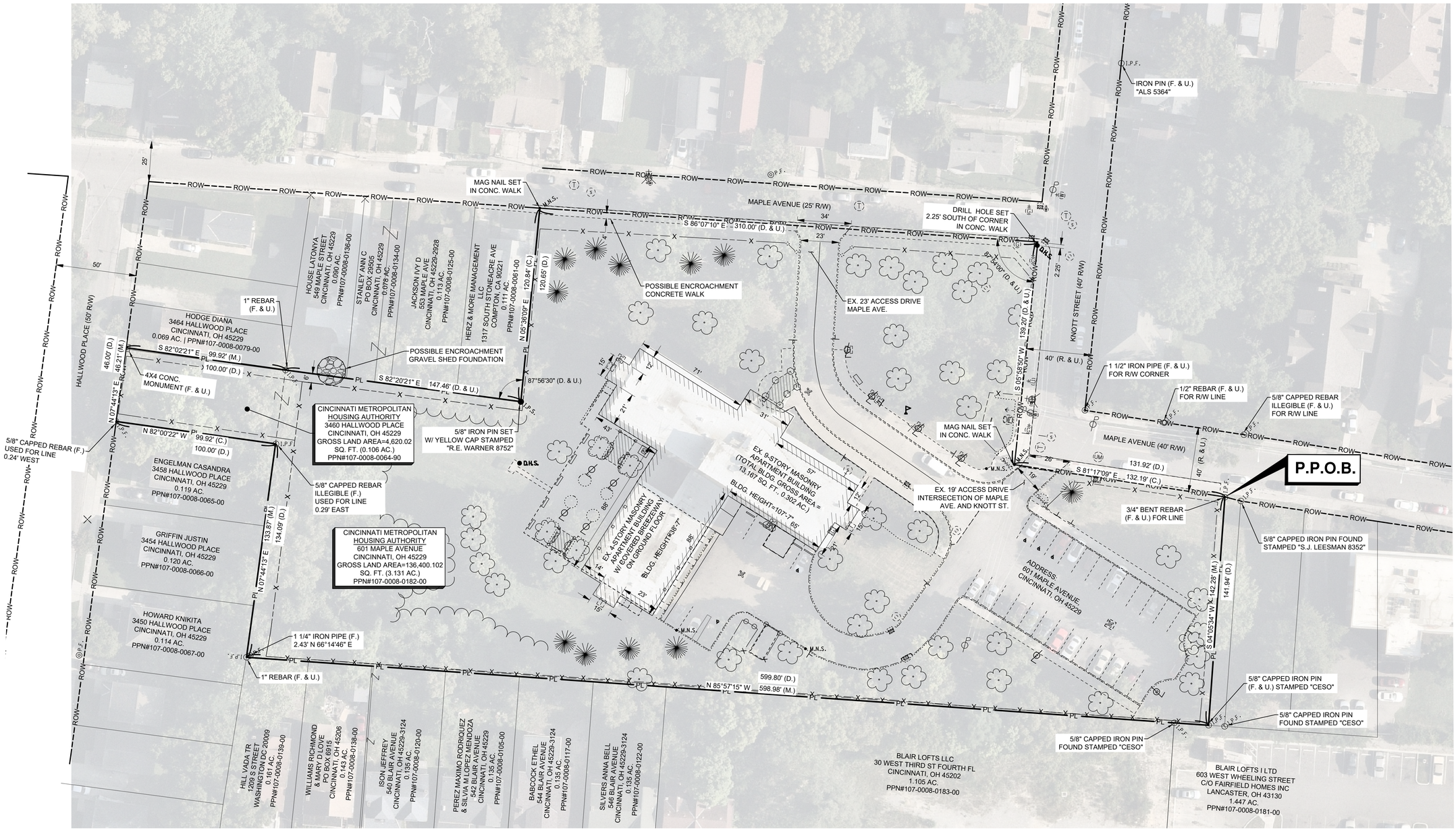
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GRID NORTH
U.S. STATE PLANE 1983 (2011)
OHIO SOUTH 3402

30 0 15 30
SCALE: 1 INCH = 30 FEET



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DATE	07/18/25
SCALE	AS NOTED

CMHA

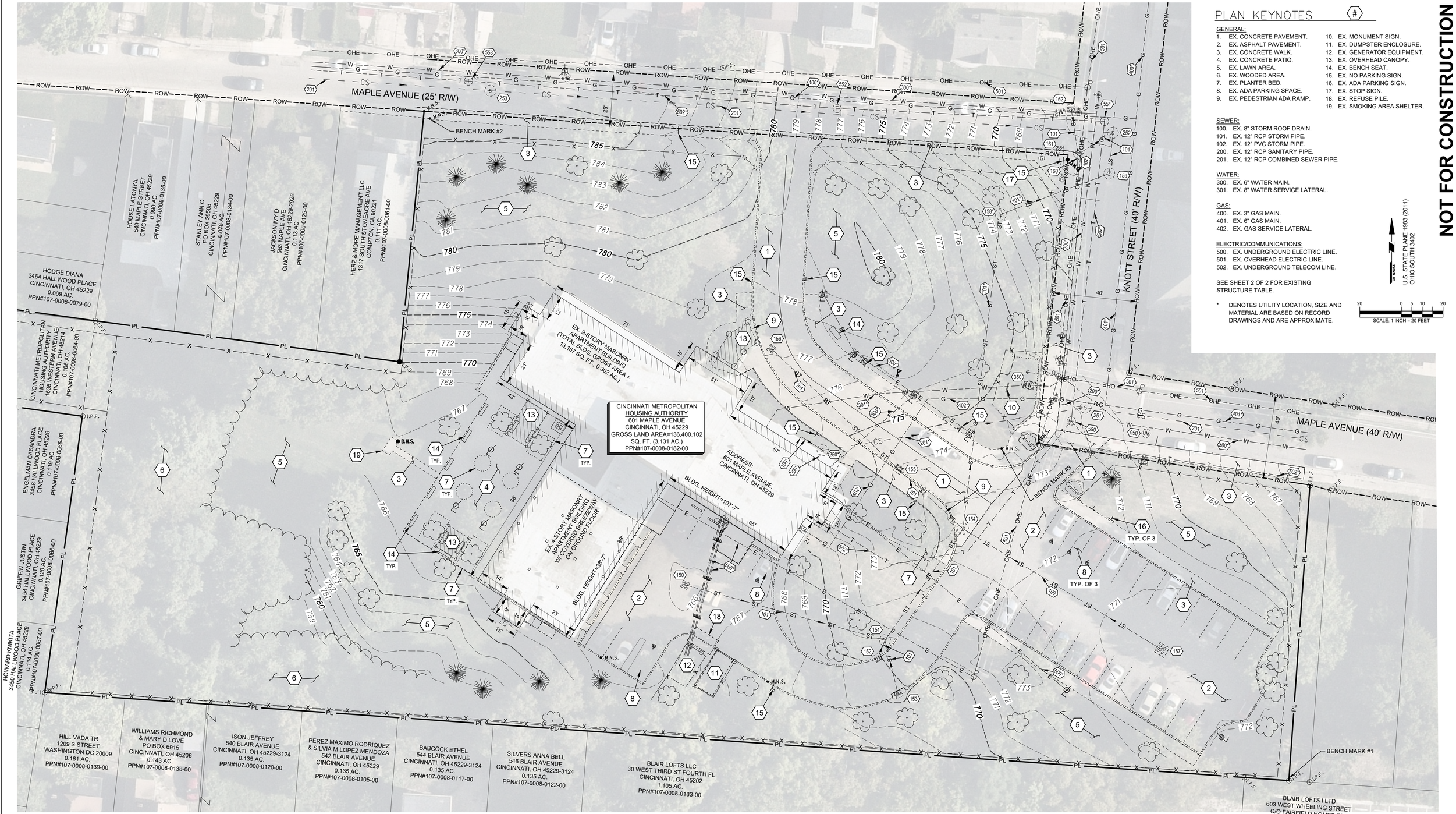
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DRAWING TITLE:
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SHEET 2 OF 3

DRAWING NUMBER: **V1002**

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PLAN KEYNOTES (#)

GENERAL:
1. EX. CONCRETE PAVEMENT.
2. EX. ASPHALT PAVEMENT.
3. EX. CONCRETE WALK.
4. EX. CONCRETE PATIO.
5. EX. LAWN AREA.
6. EX. WOODED AREA.
7. EX. PLANTER BED.
8. EX. ADA PARKING SPACE.
9. EX. PEDESTRIAN ADA RAMP.
10. EX. MONUMENT SIGN.
11. EX. DUMPSTER ENCLOSURE.
12. EX. GENERATOR EQUIPMENT.
13. EX. OVERHEAD CANOPY.
14. EX. BENCH SEAT.
15. EX. NO PARKING SIGN.
16. EX. ADA PARKING SIGN.
17. EX. STOP SIGN.
18. EX. REFUSE PILE.
19. EX. SMOKING AREA SHELTER.

SEWER:
100. EX. 8" STORM ROOF DRAIN.
101. EX. 12" RCP STORM PIPE.
102. EX. 12" PVC STORM PIPE.
200. EX. 12" RCP SANITARY PIPE.
201. EX. 12" RCP COMBINED SEWER PIPE.

WATER:
300. EX. 6" WATER MAIN.
301. EX. 8" WATER SERVICE LATERAL.

GAS:
400. EX. 3" GAS MAIN.
401. EX. 6" GAS MAIN.
402. EX. GAS SERVICE LATERAL.

ELECTRIC/COMMUNICATIONS:
500. EX. UNDERGROUND ELECTRIC LINE.
501. EX. OVERHEAD ELECTRIC LINE.
502. EX. UNDERGROUND TELECOM LINE.

SEE SHEET 2 OF 2 FOR EXISTING STRUCTURE TABLE.

* DENOTES UTILITY LOCATION, SIZE AND MATERIAL ARE BASED ON RECORD DRAWINGS AND ARE APPROXIMATE.

U.S. STATE PLANE 1983 (2011)
OHIO SOUTH 3402

SCALE: 1 INCH = 20 FEET

NOT FOR CONSTRUCTION

BENCH MARK #1:	BENCH MARK #2:	BENCH MARK #3:
PT. #205 CAPPED IRON PIN FOUND. N 422038.00 E 1402932.97 ELEV.=769.78	PT. #213 MAG NAIL SET IN CONCRETE WALK. N 422355.89 E 1402520.42 ELEV.=785.67	PT. #20 MAG NAIL SET IN CONCRETE WALK. N 422197.50 E 1402795.02 ELEV.=774.17

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DATE	07/18/25
SCALE	AS NOTED

CMHA

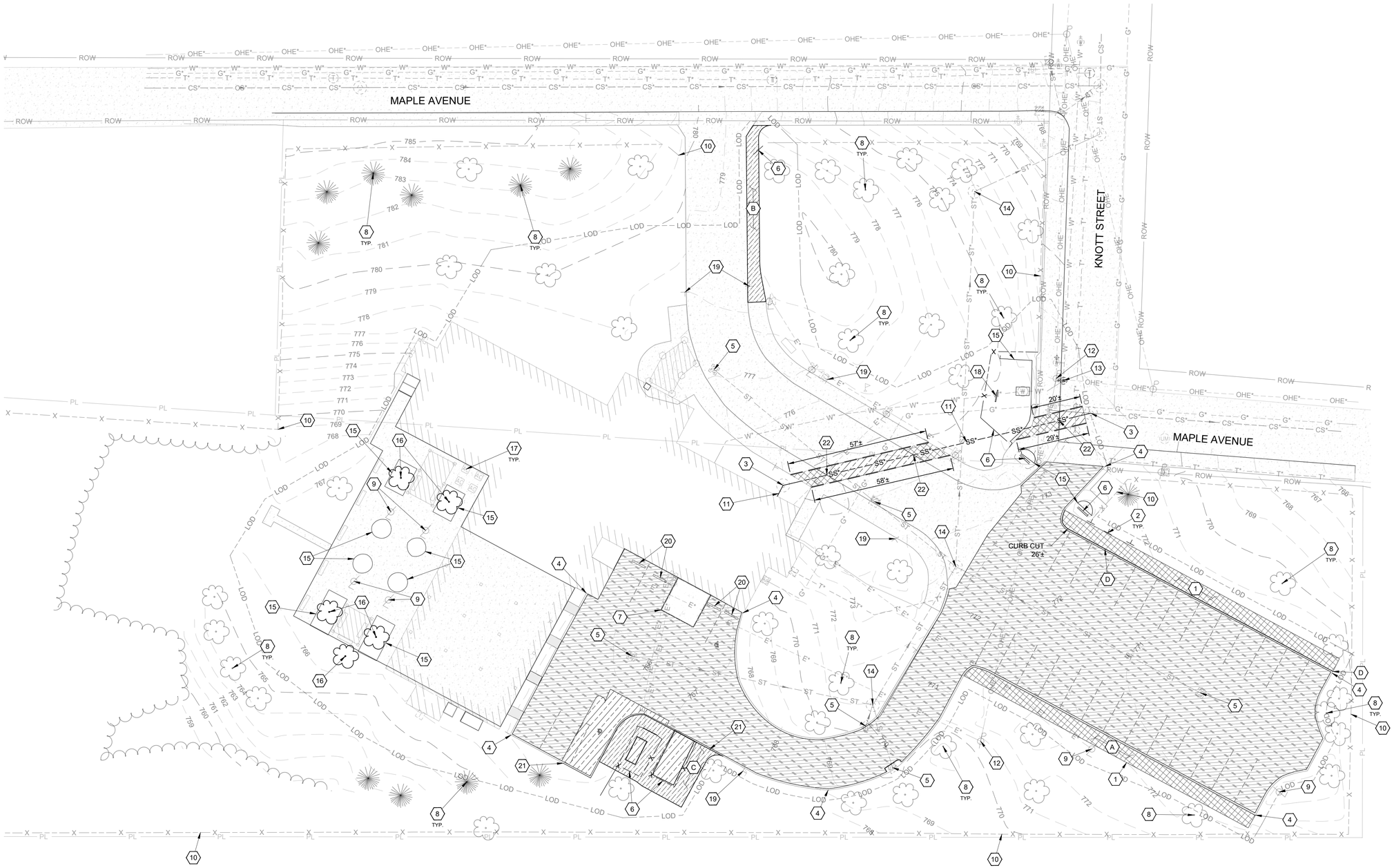
MAPLE TOWER RAD RENOVATIONS
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CINCINNATI, OH 45229

DRAWING TITLE:
ALTA / NSPS LAND TITLE SURVEY
SHEET 3 OF 3

DRAWING NUMBER: **V1003**

REV: **0**

7/16/2025 8:33 AM



0 20' 40'

SCALE: 1" = 20'

NOT FOR CONSTRUCTION

LEGEND

- PROPOSED SAWCUT LINE
- PROPOSED CONSTRUCTION LIMITS
- PROPOSED SIDEWALK REMOVAL
- PROPOSED ASPHALT RESURFACING
- PROPOSED PAVEMENT REMOVAL
- PROPOSED GRASS REMOVAL CLEARING AND GRUBBING
- EXISTING PAVEMENT TO REMAIN

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL LOCATION DIMENSIONS, VERTICAL CONTROL ELEVATIONS, AND PROPERTY LINE LOCATIONS PRIOR TO DEMOLITION OPERATIONS. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION PLANS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONTINUING WITH DEMOLITION WORK.
2. REMOVE ALL EXISTING PAVEMENT AND STRUCTURES WITHIN THE HATCHED AREA UNLESS OTHERWISE NOTED.
3. COORDINATED WITH LOCAL POWER, TELEPHONE, CABLE, AND GAS COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES.
4. CONTRACTOR TO DETERMINE SOURCE OF ALL EXPOSED UTILITIES AND, IF REQUIRED, RECONNECT TO PROPOSED UTILITIES.
5. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND LEGAL DISPOSAL OF ALL UNSUITABLE MATERIALS FROM THE PROJECT SITE. CONTRACTOR SHALL CONTACT ALL LOCAL AUTHORITIES TO DETERMINE DISPOSAL REQUIREMENTS.
6. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/OR REPLACING ALL PAVEMENT, FENCES, WALKS, LAWN, AND LANSCAPING AREAS THAT ARE DAMAGED AS PART OF THESE IMPROVEMENTS AT NO ADDITIONAL COST TO THE OWNER.

PLAN KEYNOTES (#)

1. EXISTING CONCRETE SIDEWALK TO BE REMOVED & REPLACED
2. EXISTING SIGNAGE TO REMOVED & REPLACED
3. EXISTING SANITARY MANHOLE TO REMAIN - CONTRACTOR TO PROTECT-IN-PLACE
4. EXISTING CURB TO REMAIN - CONTRACTOR TO PROTECT-IN-PLACE
5. EXISTING CATCH BASIN TO REMAIN - CONTRACTOR TO PROTECT-IN-PLACE
6. EXISTING FENCE TO BE REMOVED & STORED TO BE REUSED
7. EXISTING CONCRETE PAD TO REMAIN - CONTRACTOR TO PROTECT-IN-PLACE
8. EXISTING TREE TO REMAIN - CONTRACTOR TO PROTECT-IN-PLACE
9. EXISTING LIGHT POLE TO REMAIN - CONTRACTOR TO PROTECT-IN-PLACE
10. EXISTING FENCE TO REMAIN - CONTRACTOR TO PROTECT-IN-PLACE
11. EXISTING SANITARY SEWER TO BE REMOVED AND REPLACED IN KIND
12. EXISTING POWER POLE TO REMAIN - CONTRACTOR TO PROTECT-IN-PLACE
13. EXISTING WATER VALVE TO BE REMOVED AND REPLACED
14. EXISTING STORM MANHOLE TO REMAIN - CONTRACTOR TO PROTECT-IN-PLACE
15. EXISTING STONE PLANTER WALL TO BE REMOVED & STORED TO BE REUSED
16. EXISTING TREE TO BE REMOVED
17. EXISTING AC UNITS TO REMAIN - CONTRACTOR TO PROTECT-IN-PLACE
18. EXISTING SIGNAGE TO BE REMOVED
19. EXISTING SIGNAGE TO REMAIN - CONTRACTOR TO PROTECT-IN-PLACE
20. EXISTING WHEEL STOPS TO BE REMOVED & STORED TO BE REUSED
21. EXISTING CONCRETE CURB TO BE REMOVED
22. EXISTING CONCRETE CURB TO BE REMOVED AND REPLACED

ALTERNATE KEYNOTES (#)

A. ALTERNATE NO. 6 - EXISTING CONCRETE SIDEWALK TO BE REMOVED
B. ALTERNATE NO. 11 - GRASS REMOVAL/CLEARING & GRUBBING FOR PROPOSED CONNECTING SIDEWALK
C. ALTERNATE NO. 5 - GRASS REMOVAL/CLEARING & GRUBBING FOR PROPOSED TWO ADDITIONAL PARKING SPACES
D. ALTERNATE NO. 7 - EXISTING CONCRETE CURB TO BE REMOVED AND REPLACED

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CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE
CINCINNATI, OH 45229

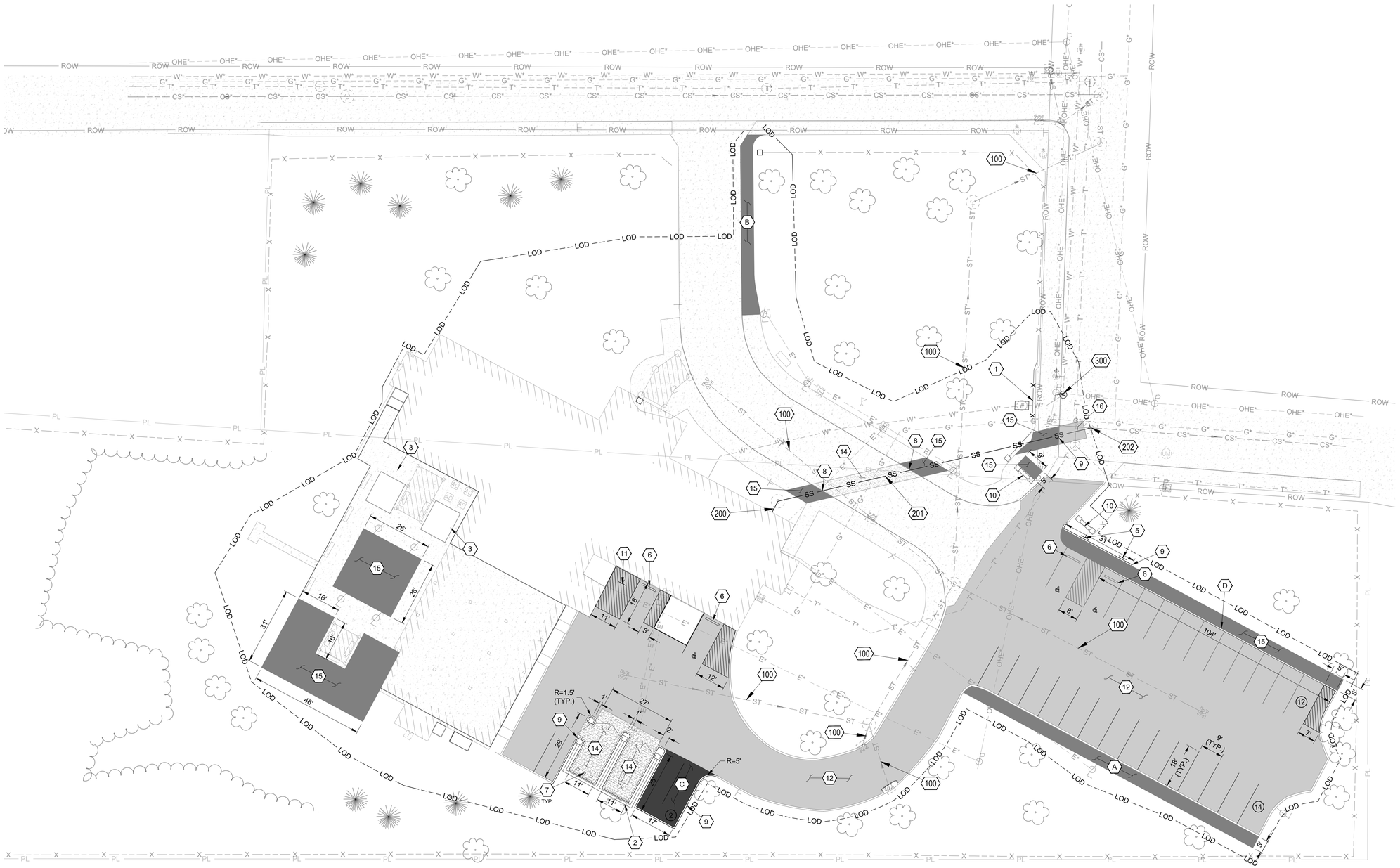
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DEMOLITION PLAN

DRAWING NUMBER:
CD1001

REV:
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NOT FOR CONSTRUCTION



LEGEND

- SS SS — PROPOSED SANITARY SEWER
- X X — PROPOSED FENCE
- PROPOSED ASPHALT PAVEMENT RESTORATION (SEE DETAIL 02 ON SHEET CS5001)
- PROPOSED ASPHALT RESURFACING
- PROPOSED CONCRETE SIDEWALK (SEE DETAIL 05 ON SHEET CS5001)
- PROPOSED CONCRETE PAVEMENT (SEE DETAIL 01 ON SHEET CS5001)
- PROPOSED ASPHALT PAVEMENT (SEE DETAIL 04 ON SHEET CS5001)
- EXISTING PAVEMENT TO REMAIN
- PROPOSED WATER VALVE

NOTES:

1. REFER TO CITY OF CINCINNATI CONSTRUCTION STANDARD DETAILS FOR CONSTRUCTION NOTES AND STANDARD DETAILS.
2. THE CITY OF CINCINNATI DESIGN AND CONSTRUCTION STANDARDS APPLY WHETHER INDICATED ON THESE PLANS OR NOT.
3. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL NOTIFY ENGINEER IF ANY DEFICIENCIES ARE FOUND DURING INSPECTION & CLEANING OF STORM SEWER SYSTEM.

PLAN KEYNOTES (#)

1. PROPOSED FENCE - SEE LANDSCAPE PLANS FOR DETAILS
2. PROPOSED DUMPSTER ENCLOSURE - SEE LANDSCAPE PLANS FOR MORE DETAILS
3. PROPOSED PLANTERS - SEE LANDSCAPE PLANS FOR DETAILS
4. PROPOSED LANDSCAPING - SEE LANDSCAPE PLANS FOR DETAILS
5. PROPOSED ADA SIGNAGE - SEE DETAIL 08 ON SHEET CS5001
6. PROPOSED WHEEL STOPS - SEE DETAIL 09 ON SHEET CS5001
7. PROPOSED BOLLARD - SEE DETAIL 10 ON SHEET CS5002
8. PROPOSED TYPE P1 CURB - SEE DETAIL 03 ON SHEET CS5001
9. PROPOSED TYPE S1 CURB - SEE DETAIL 06 ON SHEET CS5001
10. PROPOSED STONE WALL - SEE LANDSCAPE PLANS FOR DETAILS
11. PROPOSED NO PARKING SIGNAGE - SEE DETAIL 11 ON SHEET CS5002
12. PROPOSED ASPHALT RESURFACING
13. PROPOSED ASPHALT PAVEMENT - SEE DETAIL 04 ON SHEET CS5001
14. PROPOSED CONCRETE PAVEMENT - SEE DETAIL 01 ON SHEET CS5001
15. PROPOSED CONCRETE SIDEWALK - SEE DETAIL 05 ON SHEET CS5001
16. PROPOSED ASPHALT PAVEMENT RESTORATION - SEE DETAIL 02 ON SHEET CS5001

ALTERNATE KEYNOTES (#)

A. ALTERNATE NO. 6 - PROPOSED CONCRETE SIDEWALK - SEE DETAIL 05 ON SHEET CS5001 FOR MATERIAL & SEE LANDSCAPE SITE PLAN FOR MORE INFORMATION
B. ALTERNATE NO. 11 - PROPOSED CONCRETE SIDEWALK - SEE DETAIL 05 ON SHEET CS5001 FOR MATERIAL & SEE LANDSCAPE SITE PLAN FOR MORE INFORMATION
C. ALTERNATE NO. 5 - PROPOSED ASPHALT PAVEMENT - SEE DETAIL 04 ON SHEET CS5001
D. ALTERNATE NO. 7 - PROPOSED TYPE S1 CURB - SEE DETAIL 06 ON SHEET CS500

UTILITY KEYNOTES (###)

STORM

100. SCOPE & HYDRO JET EXISTING STORM SEWER

SANITARY

200. PROPOSED 5 LF OF 12" RCP @ 0.20% MIN (SEE PLUMBING SHEET P1000 FOR CONTINUATION)
201. PROPOSED 128 LF OF 12" RCP @ 0.20% MIN - SEE DETAIL 12 ON SHEET CS5002
202. CONNECT PROPOSED SAN. SWR. @ EXISTING INVERT (INV. EL. = 761.34±)

WATER

300. PROPOSED 8" GATE VALVE - SEE DETAIL 13 ON SHEET CS5002

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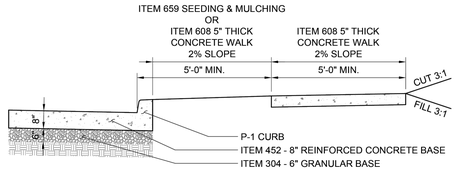
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE
CINCINNATI, OH 45229

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SITE & UTILITY PLAN

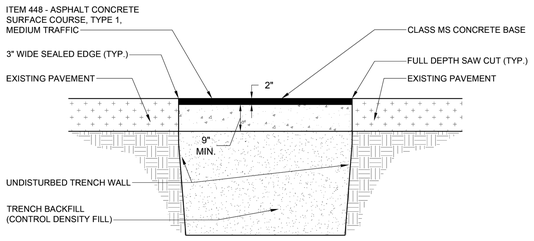
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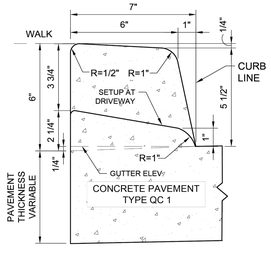


01 CONCRETE PAVEMENT
NOT TO SCALE

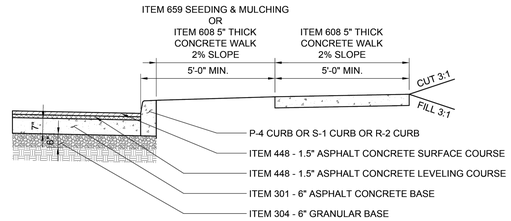


NOTES:
1. SAW CUT FULL DEPTH PAVEMENT WITH WET DIAMOND BLADE SAW. VERMEER WILL NOT BE PERMITTED.
2. VERTICAL FACE OF EXISTING PAVEMENT SHALL BE CLEANED BY COMPRESSED AIR AND WETTED PRIOR TO PLACING CONCRETE.
3. PLACE AND FINISH CONCRETE BASE IN ACCORDANCE WITH ODOT CMS ITEM 452.
4. PLACE AND COMPACT ASPHALT CONCRETE SURFACE COURSE IN ACCORDANCE WITH ODOT CMS ITEM 401.
5. ITEM 702.04 - EDGES OF NEW ASPHALT SURFACE COURSE SHALL BE SEALED WITH A UNIFORM 3" WIDTH OF HOT APPLIED ASPHALT BINDER.
6. IF THE PROPOSED PAVEMENT WIDTH IS GREATER THAN 3'-0", THE CONTRACTOR HAS THE OPTION TO USE ODOT CMS ITEM 301 - ASPHALT CONCRETE BASE.
   A. ASPHALT CONCRETE BASE MUST BE PLACED AND COMPACTED IN TWO EQUAL LIFTS. THE THICKNESS OF ASPHALT BASE SHALL BE 8" ON RESIDENTIAL STREETS AND 10" ON ARTERIAL STREETS.
   B. PRIOR TO PLACING THE ASPHALT BASE, ALL VERTICAL SURFACE SHALL BE CLEANED AND COATED WITH BITUMINOUS MATERIAL IN ACCORDANCE WITH ODOT 407.02.

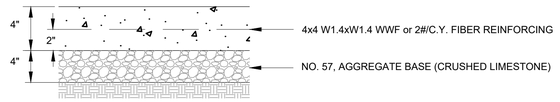
02 ASPHALT PAVEMENT RESTORATION
NOT TO SCALE



03 TYPE P1 CURB
NOT TO SCALE



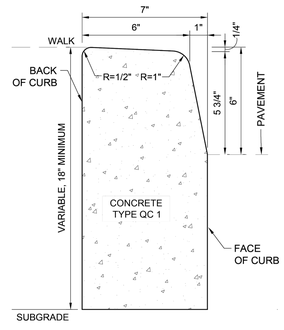
04 ASPHALT PAVEMENT
NOT TO SCALE



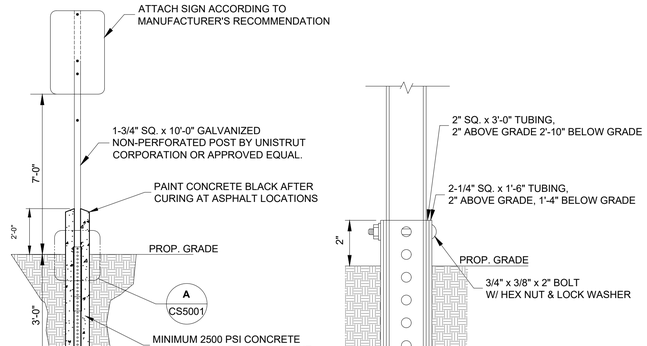
NOTES:
CONCRETE SHALL MEET ODOT CLASS C 4000 PSI EXTERIOR GRADE SPECIFICATIONS.

PROVIDE CONTRACTION JOINT EVERY 5' O.C. SAW CUT OR HAND TOOLED & EXPANSION JOINT EVERY 25' WITH PREFORMED EXP. JT. MATERIAL PER ODOT CMS 705.03.

05 CONCRETE SIDEWALK
NOT TO SCALE



06 TYPE S1 CURB
NOT TO SCALE

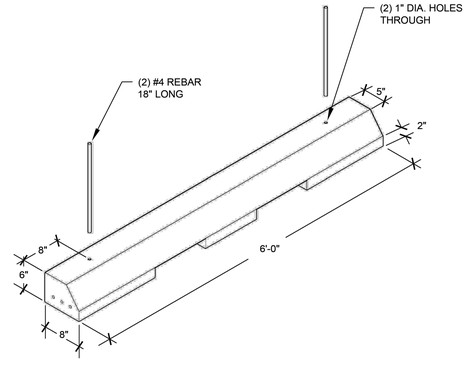


NOTE: TO ASSURE PROPER HOLE ALIGNMENT, ANCHOR ASSEMBLY SHALL BE ASSEMBLED AND BOLTED PRIOR TO PLACEMENT

07 SIGN POST
NOT TO SCALE

VAN ACCESSIBLE	GREEN ON WHITE R7-8a	NOTE: SEE ODOT TRAFFIC ENGINEERING MANUAL (TEM), SECTION 295-2, SIGN DESIGNS AND MARKINGS (SDMM) FOR DIMENSIONS AND FOR ADDITIONAL INFORMATION NECESSARY FOR THE FABRICATION AND INSTALLATION AND MAINTENANCE OF ALL TRAFFIC SIGNS. SIGN POST DETAILS SHOWN ABOVE.
RESERVED PARKING	BORDER, ARROW: GREEN SYMBOL: WHITE ON BLUE BACKGROUND: WHITE R7-8	
$250 FINE MINIMUM	GREEN ON WHITE R7-H8bP	

08 ADA SIGNAGE
NOT TO SCALE



09 CONCRETE WHEEL STOP
NOT TO SCALE

NOT FOR CONSTRUCTION

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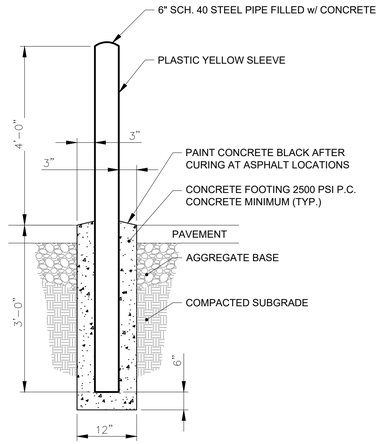
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601 MAPLE AVE
CINCINNATI, OH 45229

DRAWING TITLE:
SITE & UTILITY DETAILS

DRAWING NUMBER: CS5001

REV: 0

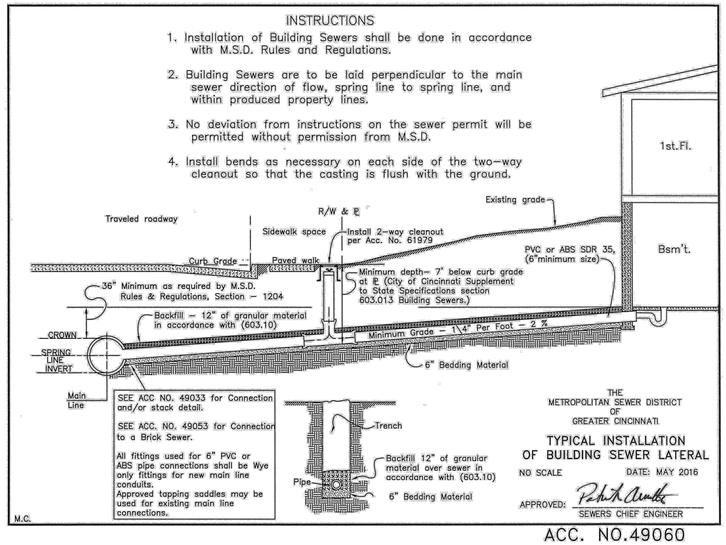
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NOTES:

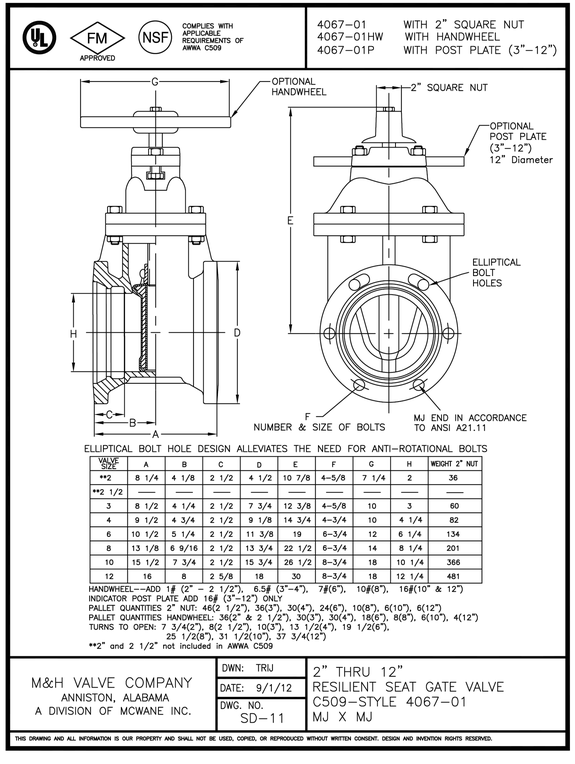
3'-6" DEPTH WHERE AVAILABLE.
COORDINATE DEPTH OF BOLLARDS WITH STRUCTURAL FOUNDATIONS.

10 BOLLARD
NOT TO SCALE



ACC. NO.49060

12 TYPICAL SANITARY SEWER LATERAL
NOT TO SCALE



ELLIPTICAL BOLT HOLE DESIGN ALLEVIATES THE NEED FOR ANTI-ROTATIONAL BOLTS

VALVE SIZE	A	B	C	D	E	F	G	H	WEIGHT 2" NUT
**2	8 1/4	4 1/8	2 1/2	4 1/2	10 7/8	4-5/8	7 1/4	2	36
**2 1/2	——	——	——	——	——	——	——	——	——
3	8 1/2	4 1/4	2 1/2	7 3/4	12 3/8	4-5/8	10	3	60
4	9 1/2	4 3/4	2 1/2	9 1/8	14 3/4	4-3/4	10	4 1/4	82
6	10 1/2	5 1/4	2 1/2	11 3/8	19	6-3/4	12	6 1/4	134
8	13 1/8	6 9/16	2 1/2	13 3/4	22 1/2	6-3/4	14	8 1/4	201
10	15 1/2	7 3/4	2 1/2	15 3/4	26 1/2	8-3/4	18	10 1/4	366
12	16	8	2 5/8	18	30	8-3/4	18	12 1/4	481

HANDWHEEL--ADD 1# (2" - 2 1/2"), 6.5# (3"-4"), 7#(6"), 10#(8"), 16#(10" & 12")
INDICATOR POST PLATE ADD 16# (3"-12") ONLY
PALLET QUANTITIES 2" NUT: 46(2 1/2"), 36(3"), 30(4"), 24(6"), 10(8"), 6(10"), 6(12")
PALLET QUANTITIES HANDWHEEL: 36(2" & 2 1/2"), 30(3"), 30(4"), 18(6"), 8(8"), 6(10"), 4(12")
TURNS TO OPEN: 7 3/4(2"), 8(2 1/2"), 10(3"), 13 1/2(4"), 19 1/2(6"), 25 1/2(8"), 31 1/2(10"), 37 3/4(12")
**2" and 2 1/2" not included in AWWA C509

M&H VALVE COMPANY
ANNISTON, ALABAMA
A DIVISION OF MCWANE INC.

DWN: TRIJ
DATE: 9/1/12
DWG. NO. SD-11

2" THRU 12"
RESILIENT SEAT GATE VALVE
C509-STYLE 4067-01
MJ X MJ

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13 TYPICAL SANITARY SEWER LATERAL
NOT TO SCALE



11 NO PARKING SIGNAGE
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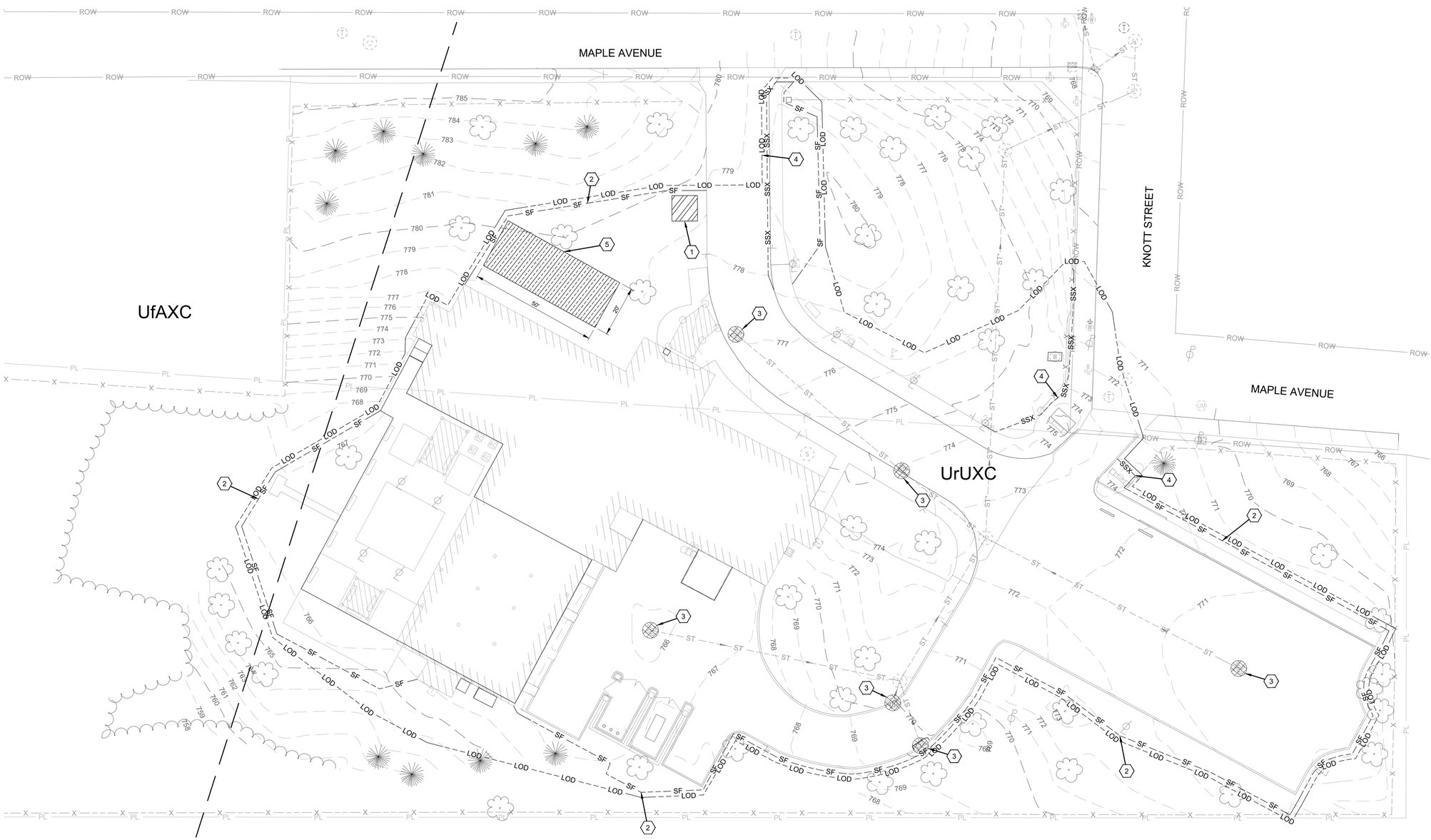
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SITE & UTILITY DETAILS

DRAWING NUMBER: **CS5002**
REV: **0**

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0 20' 40'
SCALE: 1" = 20'

LEGEND

	SOIL TYPE BOUNDARY
UfAXC	URBAN LAND-ALFIC UDARENTS SOIL TYPE
UrUXC	URBAN LAND-UDORTHENTS SOIL TYPE
LOD	PROPOSED CONSTRUCTION LIMITS
SF	PROPOSED SILT FENCE
SSX	PROPOSED SILT SOCK
	PROPOSED INLET PROTECTION

PLAN KEYNOTES

1. PROPOSED CONCRETE WASHOUT - SEE DETAIL 01 ON SHEET CE5001
2. PROPOSED SILT FENCE - SEE DETAIL 03 ON SHEET CE5001
3. PROPOSED INLET PROTECTION - SEE DETAIL 04 ON SHEET CE5001
4. PROPOSED COMPOST FILTER SOCK - SEE DETAIL 02 ON SHEET CE5001
5. PROPOSED CONTRACTOR LAYDOWN AREA

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE
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DRAWING TITLE:
EROSION & SEDIMENT CONTROL PLAN

DRAWING NUMBER:
CE1001

REV:
0

7/15/2025 9:07 AM

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SITE DESCRIPTION NOTES

1. THE PRIMARY NATURE OF THE CONSTRUCTION ACTIVITY IS THE RENOVATION OF AN EXISTING MULTI-FAMILY BUILDING AS WELL AS PARKING LOT RESURFACING, UTILITY UPGRADES, AND LANDSCAPING. THE PROJECT ADDRESS IS 601 MAPLE AVE. THIS PROJECT IS LOCATED IN THE CITY OF CINCINNATI, HAMILTON COUNTY, STATE OF OHIO.

2. THE TOTAL PROJECT AREA IS 1.56 ACRES,

3. THE CURRENT LAND USE CODE OF THE PROPERTY IS 645 - METROPOLITAN HOUSING AUTHORITY OWNED, ZONED AS RM-0.7-T - RESIDENTIAL MULTI-FAMILY.

4. LATITUDE: 39.142220 LONGITUDE: -84.495129

5. THE NATURAL SOIL ON SITE ACCORDING TO THE USGS ONLINE SURVEY IS URBAN LAND-ALFIC UDARENTS COMPLEX (UfAXC) AND URBAN LAND-UDORTHENTS COMPLEX (UrUXC). IT HAS BEEN SHOWN AND LABELED ON SHEET CE1001.

6. THE SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES SHOULD BE AS FOLLOWS:
   a. OBTAIN NOI COVERAGE FOR SITE PRIOR TO ANY CONSTRUCTION ACTIVITIES COMMENCING.
   b. INSTALL CONSTRUCTION FENCE, SILT FENCE, AND INLET PROTECTION.
   c. DEMOLISH PAVEMENT, VEGETATION, AND UTILITIES.
   d. CONSTRUCT NEW UTILITIES.
   e. INSTALL NEW PAVEMENT, CONCRETE PADS, AND EXTERIOR EQUIPMENT.
   f. PROVIDE PERMANENT STABILIZATION.
   g. FILE NOI ONCE ALL SWPPP COMPONENTS HAVE BEEN COMPLETED.

7. PAVEMENT AREAS COLLECT STORM WATER VIA CATCH BASINS AND ROUTE THE WATER THROUGH UNDERGROUND SEWERS AND DISCHARGE TO THE EXISTING SITE. THE AREAS WITH PERVIOUS COVER SHEET FLOW OFF-SITE.

EROSION AND SEDIMENT CONTROL MAINTENANCE

1. THE IMPLEMENTATION OF SEDIMENT AND EROSION CONTROLS WILL BE IN ACCORDANCE WITH THE OHIO EPA STANDARDS.

2. SHOULD THE FABRIC ON THE SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

3. THE CONTRACTOR SHALL MEET REQUIREMENTS OF THE OHIO EPA AND OHIO DNR RAINWATER MANUAL.

4. ALL DEWATERING FLOWS SHALL BE SILT-FREE PRIOR TO DISCHARGE, AND DISCHARGE SHALL BE DIRECTED TO STABILIZED SITES SUCH AS STREAMS, PONDS, STORM SEWERS OR EXISTING GRASSED DRAINAGE WAYS ACCEPTABLE TO THE OWNER, NOT ONTO EXPOSED SOILS OR ANY OTHER SITE WHERE FLOWS COULD CAUSE EROSION.

5. IF, DUE TO WEATHER OR ONSET OF WINTER, FINAL GRADING CANNOT BE ACCOMPLISHED IMMEDIATELY, MULCHING AND TEMPORARY SEEDING IF FEASIBLE, OR SOME OTHER TYPE OF TEMPORARY EROSION CONTROL MEASURES MUST BE USED WITHIN 30 DAYS UNTIL LONG-TERM RESTORATION CAN OCCUR.

6. PRESERVATION SHALL TAKE PRECEDENCE OVER REMOVAL WITHIN THE TEMPORARY WORK LIMITS AND PERMANENT EASEMENT WIDTHS. REMOVE ONLY THOSE TREES, SHRUBS AND STRUCTURES NECESSARY TO COMPLETE CONSTRUCTION AND MAINTAIN THE NEW FACILITIES. REPLACEMENT "IN-KIND" OF REMOVED ITEMS SHOULD OCCUR WHEREVER POSSIBLE.

7. STOCKPILED TOPSOIL AND MATERIALS SHALL BE PROTECTED WITH EROSION CONTROL BARRIERS OR TEMPORARY SEEDING.

8. EXCESS SOIL THAT IS STOCKPILED MUST BE EITHER REMOVED OR REGRADED WITHIN 15 DAYS OF THE COMPLETION OF THE CONSTRUCTION.

9. ALL DISTURBED VEGETATION IS TO BE RESEEDED AS PART OF RESTORATION. UNLESS THE AREA WILL BE PAVED OR OCCUPIED. TOPSOILING FOR THE RESTORATION OF VEGETATED AREAS DISTURBED BY CONSTRUCTION SHALL AVERAGE (4) INCHES IN THICKNESS AT A MINIMUM.

10. ONLY WATER OR CALCIUM CHLORIDE WILL BE USED AS A DUST PALLIATIVE.

11. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS OF ACHIEVING FINAL SITE STABILIZATION OR AFTER TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL HAVE THE FINAL GRADE RE-ESTABLISHED AND BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

12. MINIMIZE TRACKING OF SEDIMENTS BY VEHICLES BY UTILIZING THE CONSTRUCTION ENTRANCE AS THE ENTRANCE FOR VEHICLES. MAINTAIN THIS ENTRANCE WITH STONE AS NEEDED TO PREVENT DIRT AND MUD FROM TRACKING ONTO THE ROADWAY. REGULARLY SWEEP THE ROADWAY PER TOWNSHIP REQUIREMENTS TO ENSURE ROADWAY DOES NOT BUILD UP WITH SEDIMENTS.

13. SEDIMENT/STORM WATER PONDS AND EROSION AND SEDIMENT CONTROLS SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF GRUBBING. UPON COMPLETION OF CONSTRUCTION OF PONDS, SEEDING AND MULCHING OF ENTIRE CONSTRUCTED POND AREA SHALL IMMEDIATELY FOLLOW TO AID IN THE STABILIZATION AND MINIMIZE EROSION AND SEDIMENT TRANSPORT OF THE SOIL BEFORE WATER LEAVES THE POND. ALL EROSION AND SEDIMENT CONTROLS SHALL CONTINUE TO FUNCTION UNTIL DISTURBED AREAS ARE FULLY RESTABILIZED.

14. NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF. (THIS INCLUDES WASHING OUT OF CEMENT TRUCKS.) DESIGNATED WASH PIT AREAS ARE SHOWN ON THE PLANS AND ARE PRESET FOR THIS PURPOSE AWAY FROM AREAS OF STORM WATER RUNOFF.

NON-VISIBLE/NON-SEDIMENT POLLUTANTS

1. ALL CONCRETE WASHOUTS SHALL NOT BE ALLOWED TO FLOW TO STORM DRAINS OR ANY OTHER WATER CONVEYANCE MEASURE.

2. ALL WASTE MATERIALS SHALL BE PROPERLY COLLECTED AND PLACED IN WASTE DISPOSAL CONTAINERS. CONTAINERS SHALL REMAIN COVERED WHILE NOT IN USE AND AT THE END OF EACH SHIFT TO PREVENT THE RELEASE OF LEACHATE.

3. ALL CONSTRUCTION AND DEMOLITION DEBRIS TO BE DISPOSED OF IN ACCORDANCE WITH ORC 3714 AT AN APPROVED OHIO EPA LANDFILL.

4. ALL EQUIPMENT FUELING AND MAINTENANCE SHALL BE PERFORMED IN THE DESIGNATED AREA SHOWN ON SHEET C200 AND AWAY FROM ANY STORM DRAINS OR OTHER WATER CONVEYANCE MEASURES. SECONDARY CONTAINMENT IS REQUIRED FOR ALL FUEL OIL STORAGE TANKS.

INSPECTIONS

1. THE OWNER MUST PROVIDE REGULAR INSPECTION AND MAINTENANCE FOR ALL EROSION AND SEDIMENT CONTROL PRACTICES. PERMANENT RECORDS OF ALL MAINTENANCE AND INSPECTIONS MUST BE KEPT THROUGHOUT THE CONSTRUCTION PERIOD. INSPECTION MUST BE MADE A MINIMUM OF ONCE EVERY SEVEN (7) DAYS AND IMMEDIATELY AFTER STORM EVENTS GREATER THAN 0.5 INCHES OF RAIN WITHIN A 24-HOUR PERIOD. THE NAME OF OWNER'S DESIGNATED QUALIFIED INSPECTION PERSONNEL, THEIR SIGNATURE, MAJOR OBSERVATIONS, DATE OF INSPECTIONS AND CORRECTIVE MEASURES TAKEN MUST BE NOTED ON ALL INSPECTIONS. THE INSPECTIONS RECORDS MUST BE KEPT ON SITE FOR 3 YEARS AFTER CONSTRUCTION.

2. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED WITHIN 3 DAYS OF INSPECTION FOR NON SEDIMENT POND BMPS, AND WITHIN 10 DAYS OF INSPECTION FOR REPLACING A BMP NOT MEETING THE INTENDED FUNCTION. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED BY THE APPLICANT OR HIS DESIGNEE ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF 0.5 INCH OR GREATER RAINFALL. A WRITTEN LOG OF THESE INSPECTIONS MUST BECOME PART OF THE SWPPP. THE LOG SHOULD INDICATE THE DATES OF INSPECTION, INSPECTOR, WEATHER CONDITIONS, OBSERVATIONS, ACTIONS TAKEN TO CORRECT PROBLEMS, AND THE DATE ACTION WAS TAKEN. THESE LOGS MUST BE KEPT ON SITE WITH THE SWPPP.

3. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL AND WEEKLY WHETHER THERE HAS BEEN RAIN OR NOT. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

4. CONTRACTOR/OWNER SHALL PROVIDE QUALIFIED INSPECTION PERSONNEL TO PERFORM INSPECTIONS.

5. THE FREQUENCY OF INSPECTIONS MAY BE REDUCED TO MONTHLY FOR DORMANT SITES IF THE ENTIRE SITE IS TEMPORARILY STABILIZED OR RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR EXTENDED PERIODS OF TIME.

POLLUTANT CONTROL NOTES

1. PROTECTED STORAGE AREAS ARE TO BE USED FOR INDUSTRIAL OR CONSTRUCTION MATERIALS TO MINIMIZE EXPOSURE OF SUCH MATERIALS TO STORMWATER.

2. FUEL TANKS ARE TO BE CONTAINED OR DIKED IN THE EVENT OF A LEAK OF SPILL.

3. THE CONTRACTOR SHALL USE PLAN DESIGNATED AREA FOR THE STORAGE OR DISPOSAL OF SOLID AND TOXIC WASTES (INCLUDING DUMPSTER AREA), TRUCK WASHOUT, COMPOUND STORAGE, AND VEHICLE REFUELING.

4. ALL CONSTRUCTION AND DEMOLITION DEBRIS (C&DD) WASTE WILL BE DISPOSED OF IN AN OHIO EPA APPROVED C&DD LANDFILL AS REQUIRED BY THE OHIO REVISED CODE (ORC) 3714 AND LOCAL REGULATIONS.

5. SPILLS ON PAVEMENT (LESS THAN 25 GALLONS) SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH TRASH AT A LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTE SUCH AS MOST SOLVENTS, GASOLINE, OIL BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPILLS, WHICH RESULT IN CONTACT WITH WATERS OF THE STATE, MUST BE REPORTED TO THE OHIO EPA'S HOTLINE.

SPECIFICATIONS FOR MULCH

1. MULCH AND/OR OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING, IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 14 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

2. MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:

A. STRAW - STRAW SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC, OR 90 LBS/1000 SQ FT (TWO TO THREE BALES), THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY. DIVIDE AREA INTO APPROXIMATELY 1,000 SQ FT SECTIONS AND PLACE TWO 45-LB BALES OF STRAW IN EACH SECTION.

B. HYDROSEEDER - WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB/AC OR 46 LB/1,000 SQ FT

C. OTHER - OTHER ACCEPTABLE METHODS INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 10-20 TONS/AC.

3. MULCH ANCHORING - MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH:

A. MECHANICAL - USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.

B. MULCH NETTINGS - USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING SUGGESTIONS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.

C. ASPHALT EMULSION - FOR STRAW MULCH, APPLY AT THE RATE OF 160 GAL/AC (0.1 GAL/SY) INTO THE MULCH AS IT IS BEING APPLIED OR AS RECOMMENDED BY THE MANUFACTURER.

D. SYNTHETIC BINDING - FOR STRAW MULCH, SYNTHETIC BINDERS AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.

E. WOOD CELLULOSE FIBER - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB.AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB/100 GAL OF WOOD CELLULOSE FIBER.

SPECIFICATIONS FOR TEMPORARY SEEDING

TEMPORARY SEEDING SPECIES SELECTIONS

SEEDING DATE	SPECIES	LB/1,000 SQ FT	PER ACRE
MARCH 1 TO AUGUST 15	OATS	3	128 LB
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
	PERENNIAL RYEGRASS	1	40 LB
	TALLFESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
AUGUST 16 TO NOVEMBER 1	RYE	3	112 LB
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
	WHEAT	3	120 LB
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB
	PERENNIAL RYEGRASS	1	40 LB
	TALL FESCUE	1	40 LB
	ANNUAL RYEGRASS	1	40 LB

NOVEMBER 1 TO SPRING SEEDING USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING.

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.

1. TEMPORARY SEEDING PROVIDES EROSION CONTROL ON AREAS IN BETWEEN CONSTRUCTION OPERATIONS. EFFECTIVE TEMPORARY SEEDING MINIMIZES THE AREA OF A CONSTRUCTION SITE PRONE TO EROSION AND SHOULD BE USED THROUGH THE SEQUENCE OF CONSTRUCTION OPERATIONS IN ALL DISTURBED AND EXPOSED SOIL AREAS THAT WILL ALLOW VEGETATION TO BE ESTABLISHED. TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 14 DAYS BUT LESS THAN 1 YEAR OR DISTURBED AREAS THAT WILL BE IDLE OVER WINTER, PRIOR TO NOV. 1.

   THESE IDLE ARES SHOULD BE SEEDED AS SOON AS POSSIBLE AFTER GRADING, A MAXIMUM OF 7 DAYS, OR 2 DAYS FOR AREAS WITHIN 50' OF A STREAM. SEVERAL APPLICATIONS OF TEMPORARY SEEDING ARE NECESSARY ON TYPICAL CONSTRUCTION PROJECTS.

2. THE SEEDBED SHOULD BE PULVERIZED AND LOST TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. HOWEVER, TEMPORARY SEEDING SHALL NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.

3. SOIL AMENDMENTS - APPLICATION OF TEMPORARY VEGETATION SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. SOIL TESTS SHOULD BE TAKEN ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.

4. SEEDING METHOD - SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

SPECIFICATIONS FOR PERMANENT SEEDING

FOR DISTURBED AREAS REMAINING DORMANT FOR OVER 1 YEAR OR AT FINAL GRADE, PERMANENT SEEDING WILL BE APPLIED WITHIN 7 DAYS. ANY AREAS WITHIN 50 FT OF A STREAM AND AT FINAL GRADE, PERMANENT SEEDING WILL BE APPLIED WITHIN 2 DAYS. IF THE SOIL IS DISTURBED DURING CONSTRUCTION, AREAS WITH PLANTINGS, TURF, OR LAWN MUST HAVE AT LEAST 3" OF WELL-SCREENED TOPSOIL.

PLANTING TIME: PROCEED WITH - AND COMPLETE - LAWN WORK AS RAPIDLY AS PORTIONS OF THE SITE BECOME AVAILABLE, WORKING WITHIN SEASONAL LIMITATIONS FOR EACH KIND OF LANDSCAPE WORK REQUIRED. NORMAL SEEDING TIMES ARE AS FOLLOWS:

1. MARCH 15 TO JUNE 10
2. AUGUST 15 TO OCTOBER 1

SEEDING DURING OTHER THAN NORMAL SEEDING TIMES SHALL BE PERFORMED ONLY WITH THE PRIOR WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT WITH THE UNDERSTANDING THAT THE CONTRACT WILL THEREFORE BE ALTERED BY THE CHANGE ORDER.

GRASS SEED: PROVIDE FRESH, CLEAN, NEW CROP SEED COMPLYING WITH TOLERANCE FOR PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF MINIMUM PERCENTAGES OF PURITY, GERMINATION, AND MAXIMUM PERCENTAGES OF WEED SEED, AS FOLLOWS:

BOTANICAL AND COMMON NAME SECOND MILLENNIUM	PERCENTAGE BY WEIGHT (MINIMUM)	PERCENTAGE PURITY (MINIMUM)	PERCENTAGE GERMINATION (MINIMUM)	PERCENTAGE WEED SIZE (MINIMUM)
TALL FESCUE	20%	85%	80%	1.00%
INFERNO TALL FESCUE	20%	85%	80%	1.00%
CROSSFIRE II TALL FESCUE	20%	85%	80%	1.00%
AVENGER TALL FESCUE	20%	85%	80%	1.00%
BRIGHTSTAR SLT PERENNIAL RYEGRASS	10%	85%	80%	1.00%
BROOKLAWN KENTUCKY BLUEGRASS	10%	85%	80%	1.00%

PERFORM ALL LIMING, FERTILIZING, RAKING, AND COMPACTING OPERATIONS ONLY AT TIMES WHEN LOCAL WEATHER AND OTHER CONDITIONS AFFECTING SUCH WORK ARE NORMAL AND FAVORABLE TO THE PROPER PROSECUTION OF THE PARTICULAR WORK WITHIN THE DATES SPECIFIED OR WITHIN AN EXTENDED PERIOD OF TIME APPROVED BY THE OWNER'S REPRESENTATIVE.

FERTILIZING AND LIMING: THE CONTRACTOR SHALL INTRODUCE A 10-20-10 FERTILIZER AT THE RATE OF 20 POUNDS PER 100 SQUARE FEET, AND LIME OR OTHER ADDITIVES AT THE RATE APPROVED BY THE LANDSCAPE ARCHITECT. THE ABOVE ITEMS SHALL BE WORKED INTO THE TOP 2 INCHES OF SOIL AND SMOOTHED TO GRADE TO PREPARE A PROPER BED FOR SEEDING.

SOW SEED AT THE RATE OF 5 POUNDS PER 1000 SQUARE FEET FOR EACH AREA, UNIFORMLY, AND BY BROADCAST, DRILL, OR HAND SEEDING METHOD. IMMEDIATELY AFTER SOWING, RAKE DRAG, OR OTHERWISE TREAT THE AREA SO AS TO COVER THE SEED TO A DEPTH OF APPROXIMATELY ¼ INCH.

NO SEEDING SHALL BE DONE DURING WINDY WEATHER, OR WHEN THE GROUND SURFACE IS MUDDY, FROZEN, OR OTHERWISE NON-TILLABLE.

SEED AND MULCH ALL AREAS NEWLY GRADED WITHIN THE LIMITS OF CONSTRUCTION. REPAIR ANY AND ALL LAWN AREAS THAT ARE DAMAGED OUTSIDE THE LIMITS OF CONSTRUCTION BECAUSE OF CONTRACTOR OPERATIONS.

WHEN LANDSCAPE WORK IS COMPLETED, INCLUDING MAINTENANCE, THE LANDSCAPE ARCHITECT WILL MAKE AN INSPECTION TO DETERMINE ACCEPTABILITY.

Table 1: Permanent Stabilization

Area requiring permanent stabilization	Time frame to apply erosion controls
Any areas that will lie dormant for one year or more	Within seven days of the most recent disturbance
Any areas within 50 feet of a surface water of the state and at final grade	Within two days of reaching final grade
Other areas at final grade	Within seven days of reaching final grade within that area

Table 2: Temporary Stabilization

Area requiring temporary stabilization	Time frame to apply erosion controls
Any disturbed areas within 50 feet of a surface water of the state and not at final grade	Within two days of the most recent disturbance if the area will remain idle for more than 14 days
Any disturbed areas that will be dormant for more than 14 days but less than one year, and not within 50 feet of a surface water of the state	Within seven days of the most recent disturbance within the area For residential subdivisions, disturbed areas must be stabilized at least seven days prior to transfer of permit coverage for the individual lot(s).
Disturbed areas that will be idle over winter	Prior to the onset of winter weather

Where vegetative stabilization techniques may cause structural instability or are otherwise unobtainable, alternative stabilization techniques must be employed. Permanent and temporary stabilization are defined in Part VII.

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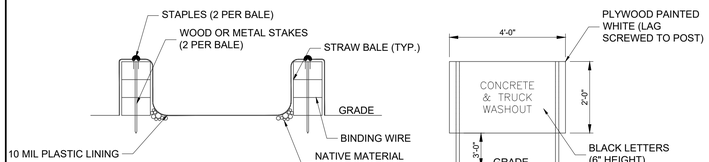
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DRAWING TITLE:
EROSION & SEDIMENT CONTROL NOTES

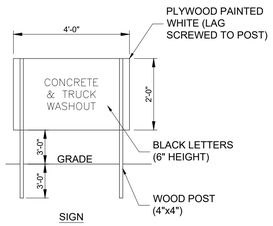
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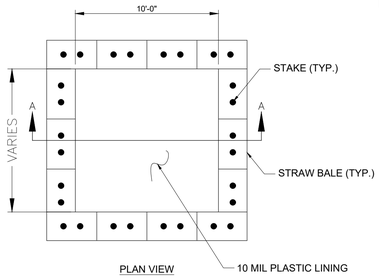
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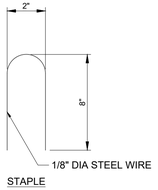
SECTION A-A



SIGN



PLAN VIEW

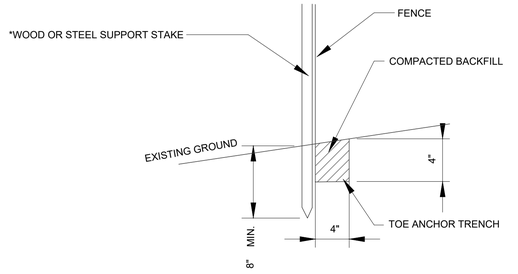


STAPLE

NOTE:

1. SIGN SHALL BE INSTALLED WITHIN 10 FEET OF THE TEMPORARY CONCRETE & TRUCK WASHOUT AREA.
2. ACTUAL LAYOUT SHALL BE DETERMINED IN THE FIELD.

01 CONCRETE WASHOUT
NOT TO SCALE

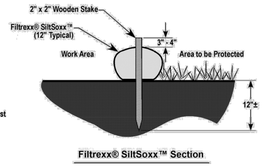


03 SILT FENCE
NOT TO SCALE

Filtrexx® SiltSoxx™ Details



Filtrexx® SiltSoxx™ Plan View

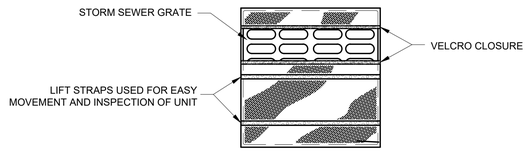


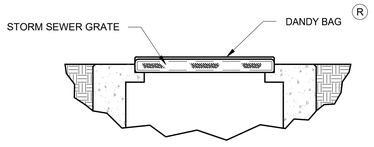
Filtrexx® SiltSoxx™ Section

Notes:

1. All material to meet Filtrexx® specifications.
2. SiltSoxx™ compost/soil/rock/seed fill to meet application requirements.
3. SiltSoxx™ depicted is for minimum slopes. Greater slopes may require larger socks per the Engineer.
4. Compost material to be dispersed on site, as determined by Engineer.

02 COMPOST FILTER SOCK
NOT TO SCALE





04 INLET PROTECTION
NOT TO SCALE

NOT FOR CONSTRUCTION

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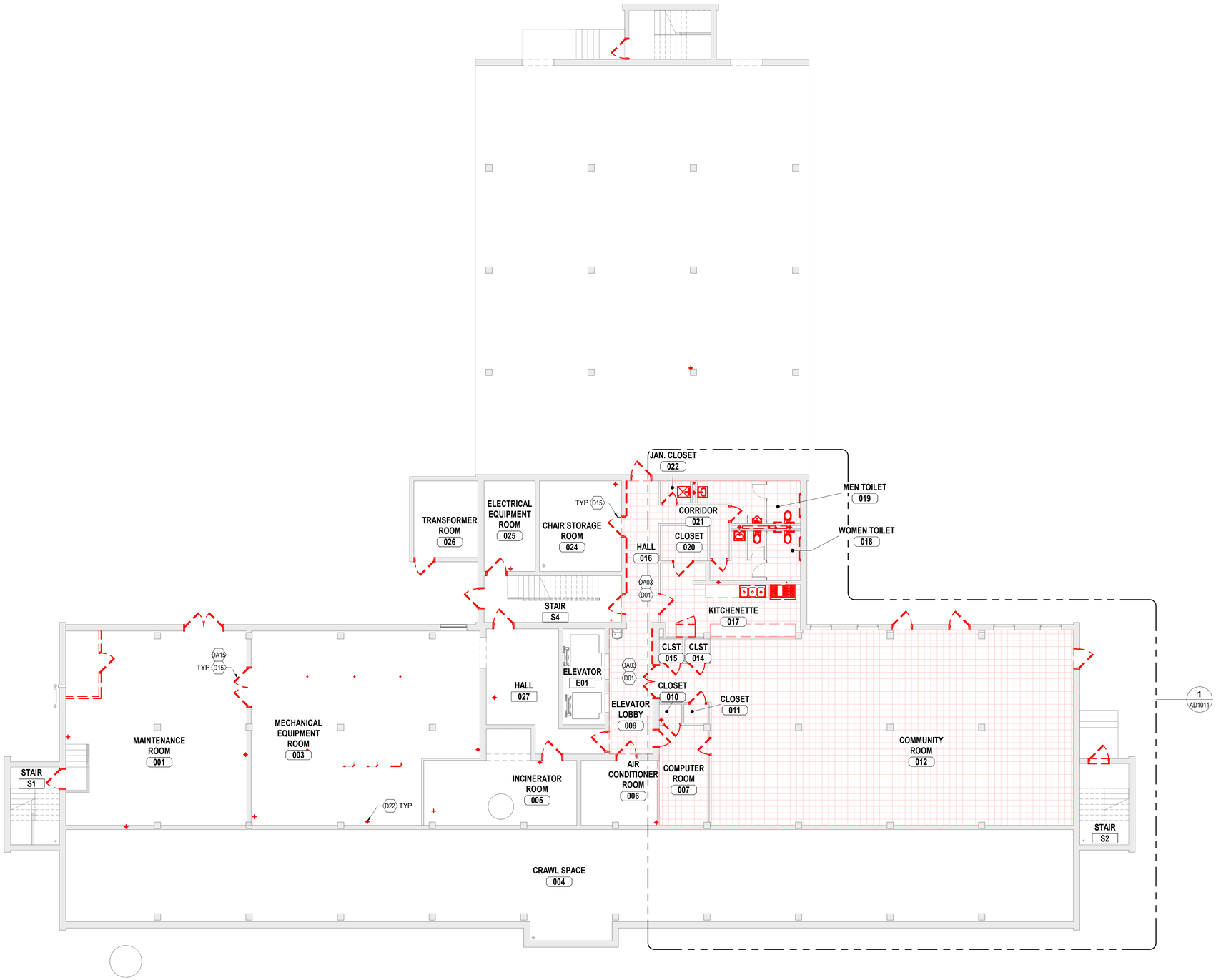
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DEMOLITION GROUND FLOOR PLAN

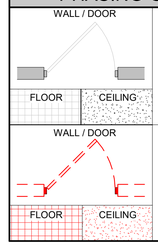
SCALE: 1/8" = 1'-0"

N

DEMOLITION PLAN GENERAL NOTES

1. APARTMENT UNITS THAT WILL INVOLVE RENOVATION WORK WILL BE CLEANED OUT BY CMHA PRIOR TO CONSTRUCTION. ALL SALVAGE ITEMS WILL BE REMOVED PRIOR TO THE CONTRACTOR RECEIVING THE UNITS.
2. REMOVE ALL EXISTING CONSTRUCTION INDICATED WITH DEMOLITION LINEWORK AND DEMOLITION NOTES. COORDINATE ALL DEMOLITION WORK WITH ANY NEW CONSTRUCTION.
3. EXISTING CONSTRUCTION THAT IS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. ANY DAMAGE CAUSED TO CONSTRUCTION TO REMAIN SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. THE DEMOLITION CONTRACTOR SHALL VERIFY THE SCOPE OF DEMOLITION WORK IN THE FIELD WITH THE DEMOLITION DRAWINGS AND NEW CONSTRUCTION DRAWINGS, AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. FIELD VERIFY ALL CONDITIONS PRIOR TO THE START OF DEMOLITION ACTIVITIES.
5. WALLS TO BE DEMOLISHED SHALL BE REMOVED DOWN TO THE EXISTING SLAB OR SUB-FLOOR. CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE SLAB, ADJACENT WALLS OR SUB-FLOOR. REPAIRED FLOOR SURFACE SHALL BE FLUSH WITH ADJACENT FLOOR SURFACE.
6. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL MATERIALS AND FIXTURES AND PROTECTION OF ANY AREA AND FINISHES NOT BEING REMOVED OR DEMOLISHED.
7. THE DEMOLITION CONTRACTOR SHALL LEAVE ALL DEMO AREAS CLEAN AND FREE OF ANY DEBRIS.

PHASING GRAPHIC LEGEND



KEYNOTES

#	DESCRIPTION
D01	REMOVE EXISTING VINYL FLOORING AND BASE. PREPARE SURFACE TO RECEIVE NEW FINISHES
D15	REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE
	REMOVE AND REPLACE ALL SANITARY PIPING. REF TO PLUMBING

ALTERNATE KEYNOTES

#	DESCRIPTION
DA03	REPAIR EXISTING VCT FLOORING, AND PREPARE FOR INSTALLATION OF NEW VINYL FLOORING OVER EXISTING VCT TO REMAIN
DA15	REMOVE EXISTING DOOR AND ALL ASSOCIATED HARDWARE. REPAIR EXISITNG DOOR FRAME TO REMAIN AS NEEDED

NOT FOR CONSTRUCTION

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25000 Country Club Blvd., Suite 340,
North Olmsted, OH 44070

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0	07/18/25	BID	AMA

REVISIONS

REW JOB #	07425
DESIGN BY	AMA
DRAWN BY	AMA/EB/SCR
CHECK BY	SCR
DATE	07/18/25
SCALE	AS NOTED

CMHA

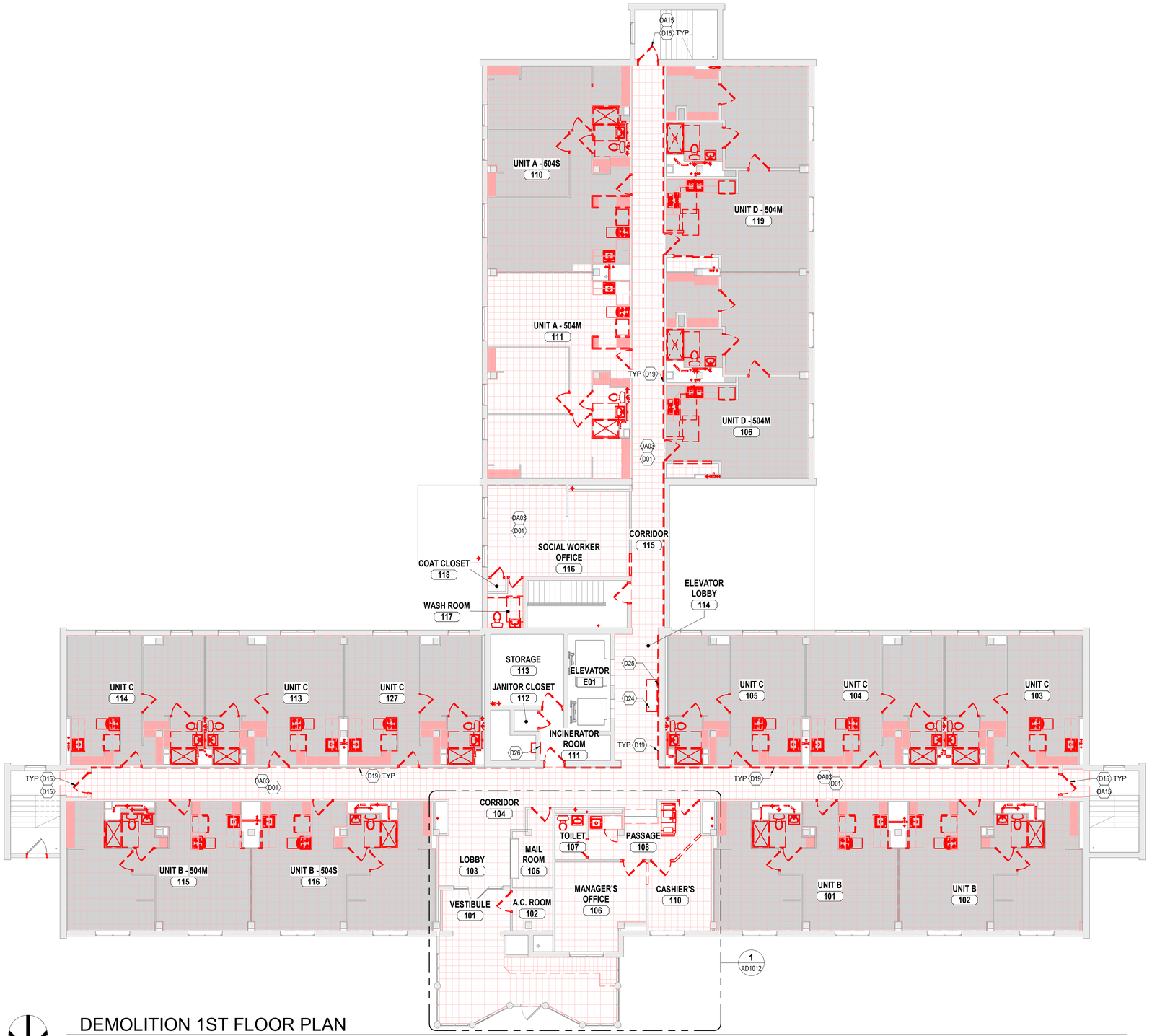
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
DEMOLITION - GROUND FLOOR

DRAWING NUMBER: **AD1001**

REV: **0**

7/17/2025 3:39:47 PM



DEMOLITION 1ST FLOOR PLAN

SCALE: 1/8" = 1'-0"

N

DEMOLITION PLAN GENERAL NOTES

1. APARTMENT UNITS THAT WILL INVOLVE RENOVATION WORK WILL BE CLEANED OUT BY CMHA PRIOR TO CONSTRUCTION. ALL SALVAGE ITEMS WILL BE REMOVED PRIOR TO THE CONTRACTOR RECEIVING THE UNITS.
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7. THE DEMOLITION CONTRACTOR SHALL LEAVE ALL DEMO AREAS CLEAN AND FREE OF ANY DEBRIS.

PHASING GRAPHIC LEGEND

WALL / DOOR FLOOR CEILING	EXISTING TO REMAIN
WALL / DOOR FLOOR CEILING	EXISTING TO BE DEMOLISHED

KEYNOTES

#	DESCRIPTION
D01	REMOVE EXISTING VINYL FLOORING AND BASE. PREPARE SURFACE TO RECEIVE NEW FINISHES
D15	REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE
D19	REMOVE EXISTING WOOD WALL RAILING, PATCH AND REPAIR SURROUNDING MATERIALS AFTER REMOVAL PROCESS TO RECEIVE NEW PAINTED WALL FINISH
D24	REMOVE EXISTING BENCH, PATCH AND REPAIR ANY DAMAGED SURROUNDING MATERIALS FROM REMOVAL
D25	REMOVE EXISTING COMMUNITY BULLETIN BOARD
D26	CLEAN OUT TRASH CHUTE THROUGHOUT ENTIRE BUILDING, AND INSTALL COVER OVER EXSITING TRASH CHUTE DOORS

ALTERNATE KEYNOTES

#	DESCRIPTION
DA03	REPAIR EXISTING VCT FLOORING, AND PREPARE FOR INSTALLATION OF NEW VINYL FLOORING OVER EXISTING VCT TO REMAIN
DA15	REMOVE EXISTING DOOR AND ALL ASSOCIATED HARDWARE. REPAIR EXISITNG DOOR FRAME TO REMAIN AS NEEDED

NOT FOR CONSTRUCTION

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CHECK BY	SCR
DATE	07/18/25
SCALE	AS NOTED

CMHA

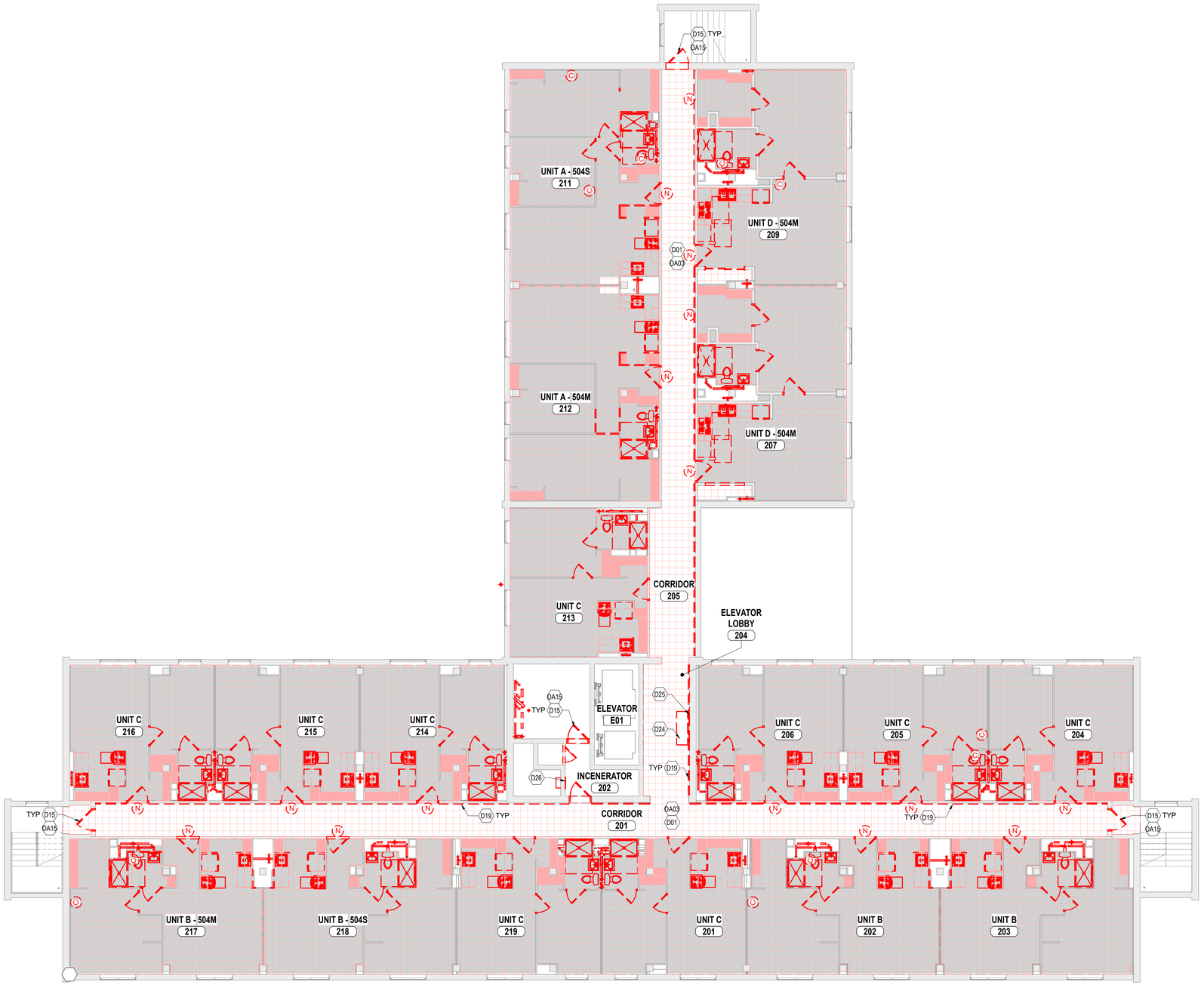
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
DEMOLITION - 1ST FLOOR

DRAWING NUMBER:
AD1002

REV:
0

7/17/2025 3:39:53 PM



DEMOLITION PLAN GENERAL NOTES

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PHASING GRAPHIC LEGEND

WALL / DOOR FLOOR CEILING	EXISTING TO REMAIN
WALL / DOOR FLOOR CEILING	EXISTING TO BE DEMOLISHED

KEYNOTES

#	DESCRIPTION
D01	REMOVE EXISTING VINYL FLOORING AND BASE. PREPARE SURFACE TO RECEIVE NEW FINISHES
D15	REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE
D19	REMOVE EXISTING WOOD WALL RAILING, PATCH AND REPAIR SURROUNDING MATERIALS AFTER REMOVAL PROCESS TO RECEIVE NEW PAINTED WALL FINISH
D24	REMOVE EXISTING BENCH, PATCH AND REPAIR ANY DAMAGED SURROUNDING MATERIALS FROM REMOVAL
D25	REMOVE EXISTING COMMUNITY BULLETIN BOARD
D26	CLEAN OUT TRASH CHUTE THROUGHOUT ENTIRE BUILDING, AND INSTALL COVER OVER EXSITING TRASH CHUTE DOORS

ALTERNATE KEYNOTES

#	DESCRIPTION
DA03	REPAIR EXISTING VCT FLOORING, AND PREPARE FOR INSTALLATION OF NEW VINYL FLOORING OVER EXISTING VCT TO REMAIN
DA15	REMOVE EXISTING DOOR AND ALL ASSOCIATED HARDWARE. REPAIR EXISITNG DOOR FRAME TO REMAIN AS NEEDED

NOT FOR CONSTRUCTION

N

DEMOLITION 2ND AND 3RD FLOOR PLAN

SCALE: 1/8" = 1'-0"

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CHECK BY	SCR
DATE	07/18/25
SCALE	AS NOTED

CMHA

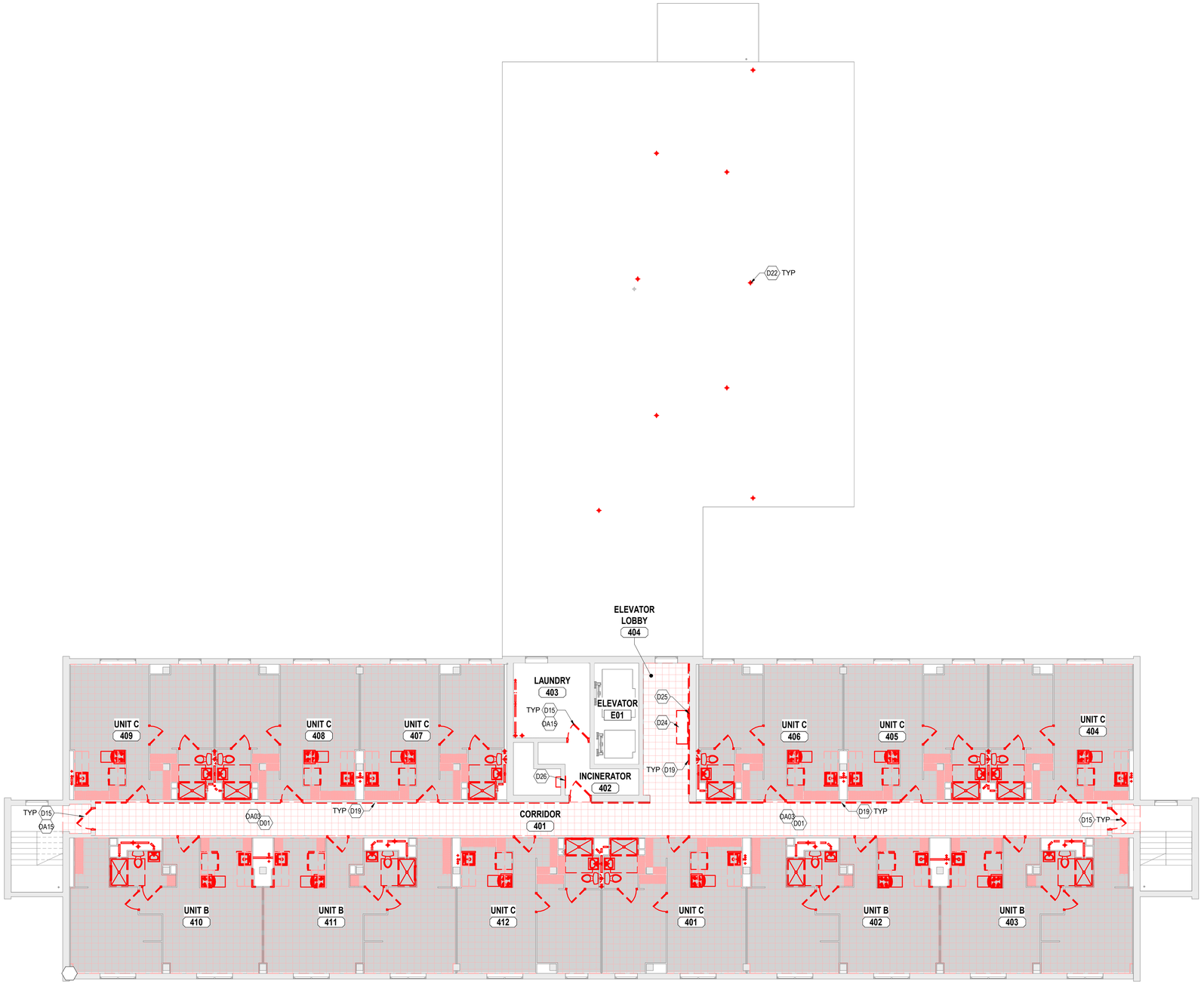
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
DEMOLITION - 2ND AND 3RD FLOOR

DRAWING NUMBER:
AD1003

REV:
0

7/17/2025 3:40:00 PM



N

DEMOLITION 4TH THRU 8TH FLOOR PLANS

SCALE: 1/8" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

1. APARTMENT UNITS THAT WILL INVOLVE RENOVATION WORK WILL BE CLEANED OUT BY CMHA PRIOR TO CONSTRUCTION. ALL SALVAGE ITEMS WILL BE REMOVED PRIOR TO THE CONTRACTOR RECEIVING THE UNITS.
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7. THE DEMOLITION CONTRACTOR SHALL LEAVE ALL DEMO AREAS CLEAN AND FREE OF ANY DEBRIS.

PHASING GRAPHIC LEGEND

WALL / DOOR FLOOR CEILING	EXISTING TO REMAIN
WALL / DOOR FLOOR CEILING	EXISTING TO BE DEMOLISHED

KEYNOTES

#	DESCRIPTION
D01	REMOVE EXISTING VINYL FLOORING AND BASE. PREPARE SURFACE TO RECEIVE NEW FINISHES
D15	REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE
D19	REMOVE EXISTING WOOD WALL RAILING, PATCH AND REPAIR SURROUNDING MATERIALS AFTER REMOVAL PROCESS TO RECEIVE NEW PAINTED WALL FINISH
D22	REMOVE AND REPLACE ALL SANITARY PIPING, REF TO PLUMBING DRAWINGS FOR DETAILS
D24	REMOVE EXISTING BENCH, PATCH AND REPAIR ANY DAMAGED SURROUNDING MATERIALS FROM REMOVAL
D25	REMOVE EXISTING COMMUNITY BULLETIN BOARD
	CLEAN OUT TRASH CHUTE THROUGHOUT ENTIRE BUILDING, AND

ALTERNATE KEYNOTES

#	DESCRIPTION
DA03	REPAIR EXISTING VCT FLOORING, AND PREPARE FOR INSTALLATION OF NEW VINYL FLOORING OVER EXISTING VCT TO REMAIN
DA15	REMOVE EXISTING DOOR AND ALL ASSOCIATED HARDWARE. REPAIR EXISITNG DOOR FRAME TO REMAIN AS NEEDED

NOT FOR CONSTRUCTION

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DATE	07/18/25
SCALE	AS NOTED

CMHA

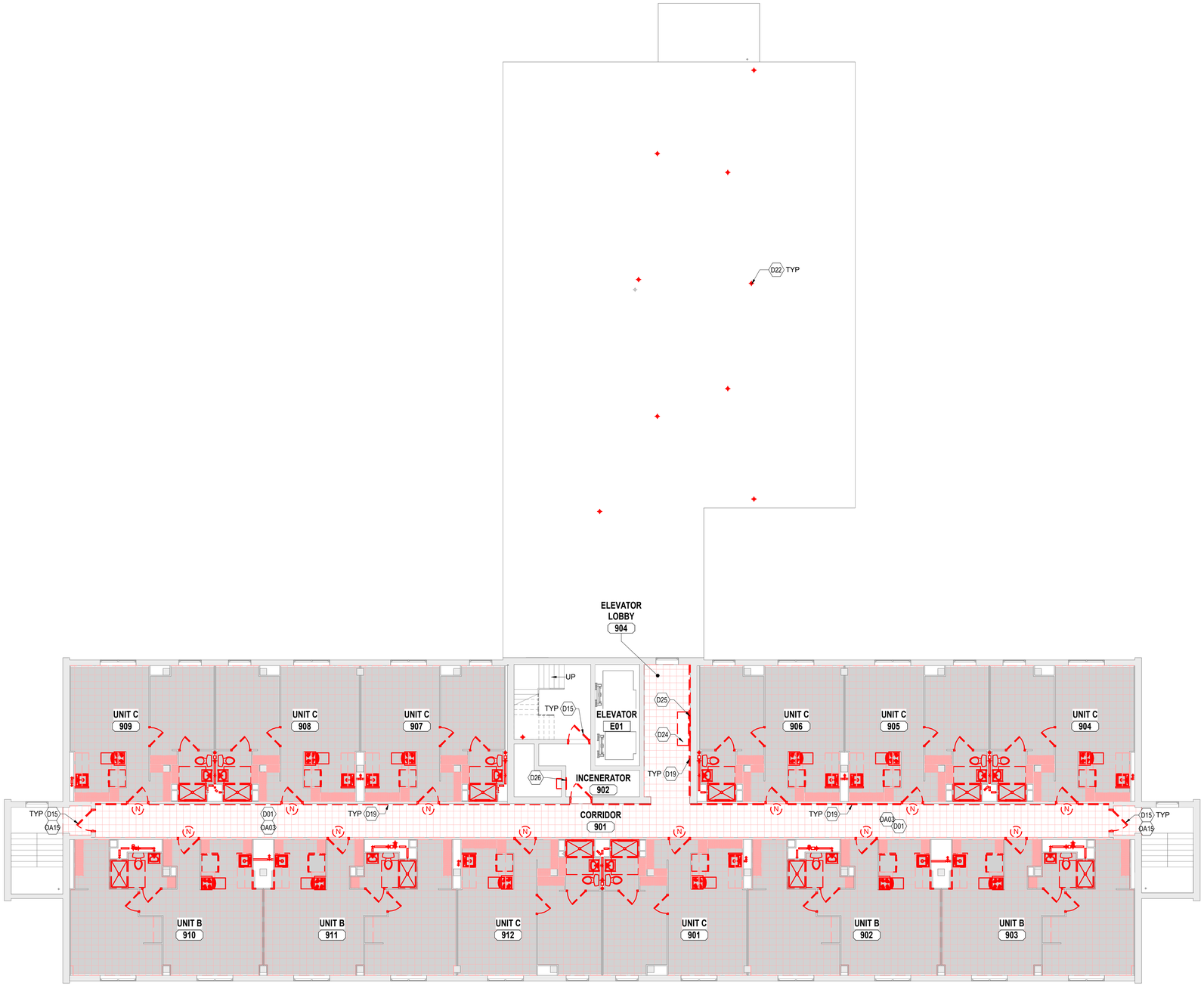
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
DEMOLITION - 4TH THRU 8TH FLOOR

DRAWING NUMBER: **AD1004**

REV: **0**

7/17/2025 3:40:05 PM



DEMOLITION 9TH FLOOR PLAN

SCALE: 1/8" = 1'-0"

N

DEMOLITION PLAN GENERAL NOTES

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PHASING GRAPHIC LEGEND

WALL / DOOR FLOOR CEILING	EXISTING TO REMAIN
WALL / DOOR FLOOR CEILING	EXISTING TO BE DEMOLISHED

KEYNOTES

#	DESCRIPTION
D01	REMOVE EXISTING VINYL FLOORING AND BASE. PREPARE SURFACE TO RECEIVE NEW FINISHES
D15	REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE
D19	REMOVE EXISTING WOOD WALL RAILING, PATCH AND REPAIR SURROUNDING MATERIALS AFTER REMOVAL PROCESS TO RECEIVE NEW PAINTED WALL FINISH
D22	REMOVE AND REPLACE ALL SANITARY PIPING, REF TO PLUMBING DRAWINGS FOR DETAILS
D24	REMOVE EXISTING BENCH, PATCH AND REPAIR ANY DAMAGED SURROUNDING MATERIALS FROM REMOVAL
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	CLEAN OUT TRASH CHUTE THROUGHOUT ENTIRE BUILDING, AND

ALTERNATE KEYNOTES

#	DESCRIPTION
DA03	REPAIR EXISTING VCT FLOORING, AND PREPARE FOR INSTALLATION OF NEW VINYL FLOORING OVER EXISTING VCT TO REMAIN
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NOT FOR CONSTRUCTION

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SCALE	AS NOTED

CMHA

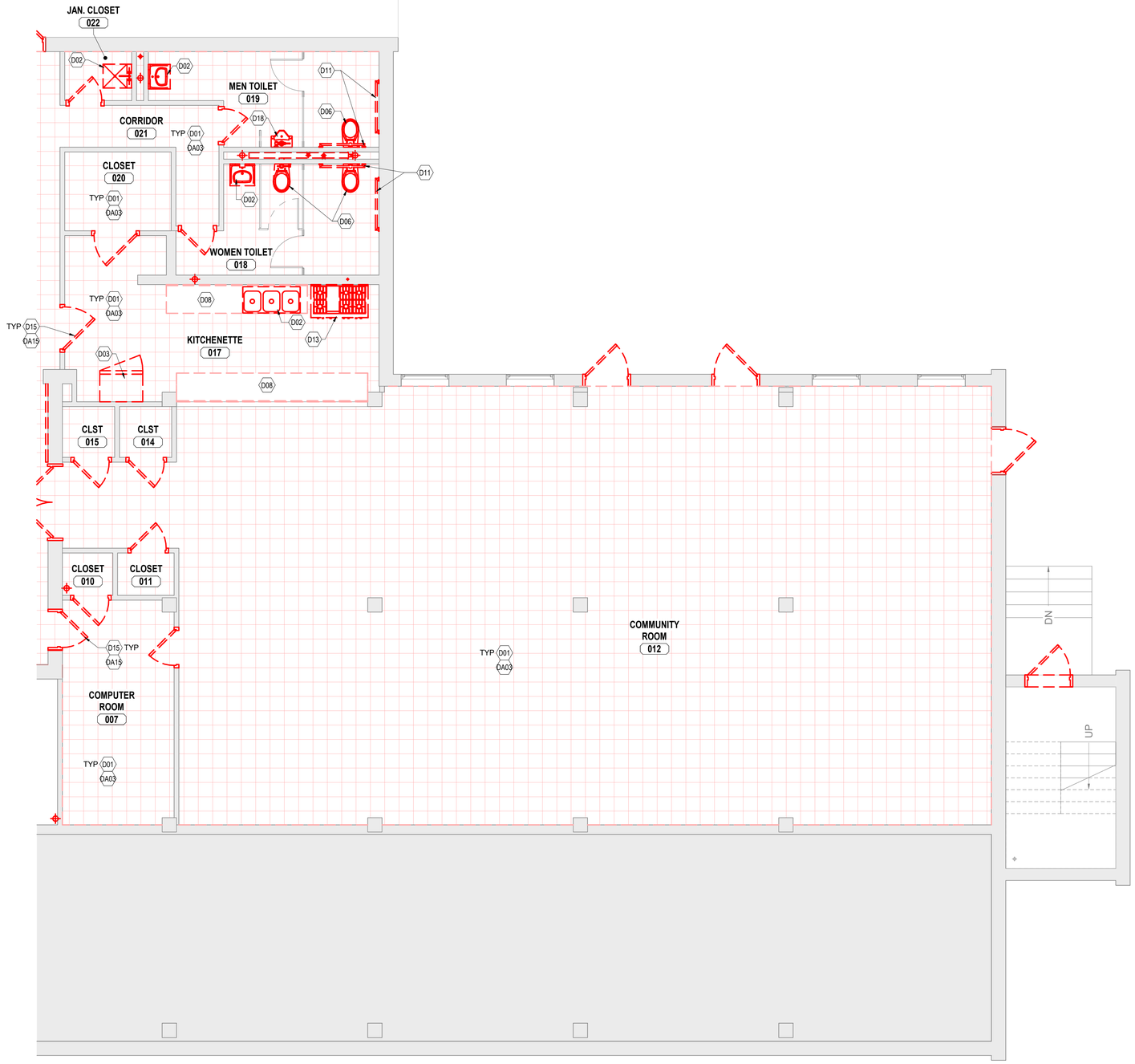
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
DEMOLITION - 9TH FLOOR

DRAWING NUMBER: **AD1005**

REV: **0**

7/17/2025 3:40:13 PM



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PHASING GRAPHIC LEGEND

WALL / DOOR FLOOR CEILING	EXISTING TO REMAIN
WALL / DOOR FLOOR CEILING	EXISTING TO BE DEMOLISHED

KEYNOTES

#	DESCRIPTION
D01	REMOVE EXISTING VINYL FLOORING AND BASE. PREPARE SURFACE TO RECEIVE NEW FINISHES
D02	REMOVE EXISTING SINK AND FAUCET FIXTURES
D03	REMOVE EXISTING REFRIGERATOR
D06	REMOVE EXISTING TOILET FIXTURE
D08	REMOVE EXISTING CASEWORK AND COUNTERTOP
D11	REMOVE EXISTING GRAB BARS
D13	REMOVE EXISTING COMMERCIAL RANGE AND ASSOCIATED HOOD
D15	REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE
D18	REMOVE EXISTING URINAL FIXTURE.

ALTERNATE KEYNOTES

#	DESCRIPTION
DA03	REPAIR EXISTING VCT FLOORING, AND PREPARE FOR INSTALLATION OF NEW VINYL FLOORING OVER EXISTING VCT TO REMAIN
DA15	REMOVE EXISTING DOOR AND ALL ASSOCIATED HARDWARE. REPAIR EXISITNG DOOR FRAME TO REMAIN AS NEEDED

NOT FOR CONSTRUCTION

1 AD1001 DEMOLITION ENLARGED GROUND FLOOR PLAN

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

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SCALE	AS NOTED

CMHA

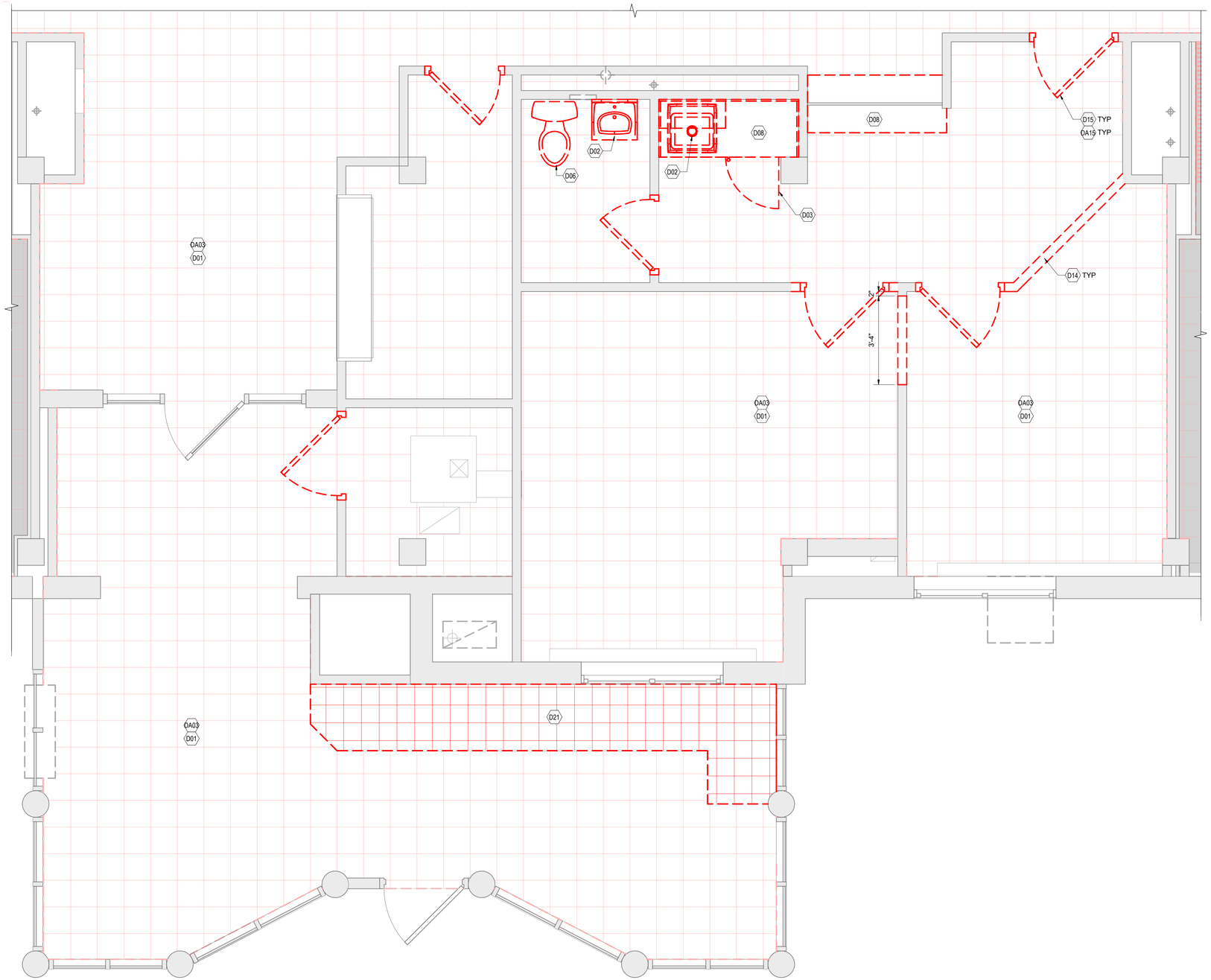
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
DEMOLITION - ENLARGED GROUND FLOOR

DRAWING NUMBER: **AD1011**

REV: **0**

7/17/2025 3:40:17 PM



DEMOLITION PLAN GENERAL NOTES

1. APARTMENT UNITS THAT WILL INVOLVE RENOVATION WORK WILL BE CLEANED OUT BY CMHA PRIOR TO CONSTRUCTION. ALL SALVAGE ITEMS WILL BE REMOVED PRIOR TO THE CONTRACTOR RECEIVING THE UNITS.
2. REMOVE ALL EXISTING CONSTRUCTION INDICATED WITH DEMOLITION LINEWORK AND DEMOLITION NOTES. COORDINATE ALL DEMOLITION WORK WITH ANY NEW CONSTRUCTION.
3. EXISTING CONSTRUCTION THAT IS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. ANY DAMAGE CAUSED TO CONSTRUCTION TO REMAIN SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. THE DEMOLITION CONTRACTOR SHALL VERIFY THE SCOPE OF DEMOLITION WORK IN THE FIELD WITH THE DEMOLITION DRAWINGS AND NEW CONSTRUCTION DRAWINGS, AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. FIELD VERIFY ALL CONDITIONS PRIOR TO THE START OF DEMOLITION ACTIVITIES.
5. WALLS TO BE DEMOLISHED SHALL BE REMOVED DOWN TO THE EXISTING SLAB OR SUB-FLOOR. CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE SLAB, ADJACENT WALLS OR SUB-FLOOR. REPAIRED FLOOR SURFACE SHALL BE FLUSH WITH ADJACENT FLOOR SURFACE.
6. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL MATERIALS AND FIXTURES AND PROTECTION OF ANY AREA AND FINISHES NOT BEING REMOVED OR DEMOLISHED.
7. THE DEMOLITION CONTRACTOR SHALL LEAVE ALL DEMO AREAS CLEAN AND FREE OF ANY DEBRIS.

PHASING GRAPHIC LEGEND

WALL / DOOR FLOOR CEILING	EXISTING TO REMAIN
WALL / DOOR FLOOR CEILING	EXISTING TO BE DEMOLISHED

KEYNOTES

#	DESCRIPTION
D01	REMOVE EXISTING VINYL FLOORING AND BASE. PREPARE SURFACE TO RECEIVE NEW FINISHES
D02	REMOVE EXISTING SINK AND FAUCET FIXTURES
D03	REMOVE EXISTING REFRIGERATOR
D06	REMOVE EXISTING TOILET FIXTURE
D08	REMOVE EXISTING CASEWORK AND COUNTERTOP
D14	REMOVE EXISTING WALL.
D15	REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE
D21	REMOVE EXISTING CONCRETE BENCH.

ALTERNATE KEYNOTES

#	DESCRIPTION
DA03	REPAIR EXISTING VCT FLOORING, AND PREPARE FOR INSTALLATION OF NEW VINYL FLOORING OVER EXISTING VCT TO REMAIN
DA15	REMOVE EXISTING DOOR AND ALL ASSOCIATED HARDWARE. REPAIR EXISITNG DOOR FRAME TO REMAIN AS NEEDED

NOT FOR CONSTRUCTION

1 AD1002 DEMOLITION ENLARGED 1ST FLOOR PLAN

SCALE: 1/2" = 1'-0"

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25000 Country Club Blvd., Suite 340,
North Olmsted, OH 44070

REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	AMA

REVISIONS

REW JOB #	07425
DESIGN BY	AMA
DRAWN BY	AMA/EB/SCR
CHECK BY	SCR
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
DEMOLITION - ENLARGED 1ST FLOOR

DRAWING NUMBER: **AD1012**

REV: **0**

7/17/2025 3:40:19 PM

PHASING GRAPHIC LEGEND

WALL / DOOR FLOOR CEILING	EXISTING TO REMAIN
WALL / DOOR FLOOR CEILING	EXISTING TO BE DEMOLISHED

DEMOLITION PLAN GENERAL NOTES

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7. THE DEMOLITION CONTRACTOR SHALL LEAVE ALL DEMO AREAS CLEAN AND FREE OF ANY DEBRIS.

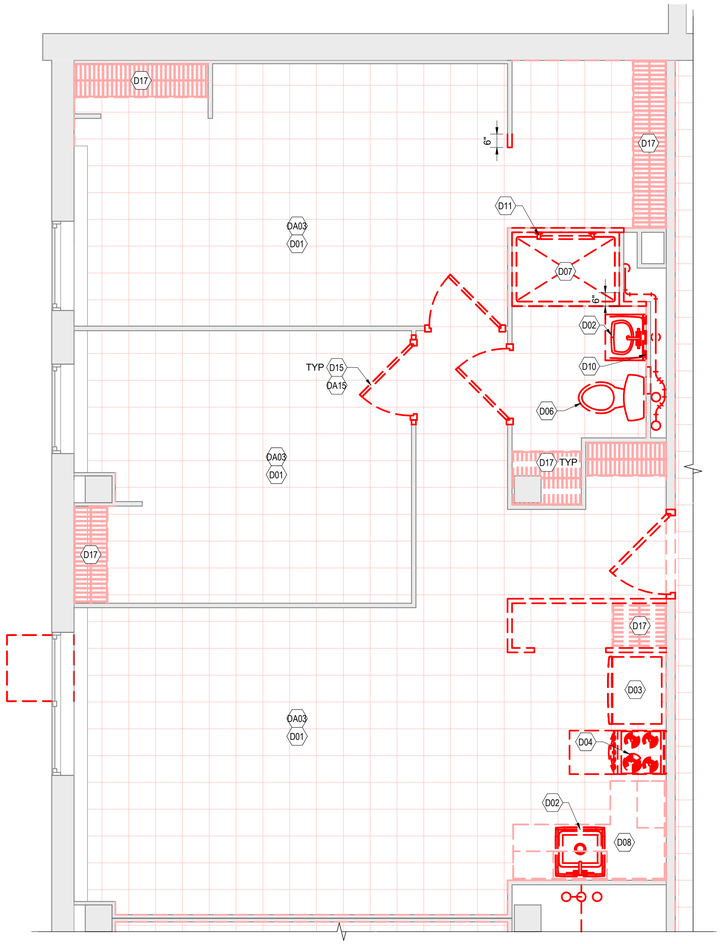
KEYNOTES

#	DESCRIPTION
D01	REMOVE EXISTING VINYL FLOORING AND BASE. PREPARE SURFACE TO RECEIVE NEW FINISHES
D02	REMOVE EXISTING SINK AND FAUCET FIXTURES
D03	REMOVE EXISTING REFRIGERATOR
D04	REMOVE EXISTING RANGE AND ASSOCIATED RECIRCULATING HOOD
D06	REMOVE EXISTING TOILET FIXTURE
D07	REMOVE EXISTING SHOWER SURROUND AND FIXTURES AND FINISHES.
D08	REMOVE EXISTING CASEWORK AND COUNTERTOP
D10	REMOVE EXISTING MIRROR
D11	REMOVE EXISTING GRAB BARS
D12	REMOVE ALL EXISTING GYPSUM CEILING THROUGHOUT ENTIRETY OF "WET AREAS"
D15	REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE
D17	REMOVE EXISTING VENTILATED SHELVING. PATCH AND REPIAR WALL WHERE SHELVING IS REMOVED AND PREPAIR FOR INSTALLATION OF NEW SHELVING AS NECESSARY
D23	REMOVE EXISTING GYPSUM CEILING FINISH, PREPARE AREA FOR NEW CEILING FINISH INSTALLATION
D27	REMOVE EXISTING LIGHT FIXTURE TO BE REPLACED WITH LED FIXTURE; REF TO ELECTRICAL DRAWINGS FOR DETAILS. CONTRACTOR TO REPAIR ANY DAMAGE TO THE SURROUNDING CEILING OR SURFACES.

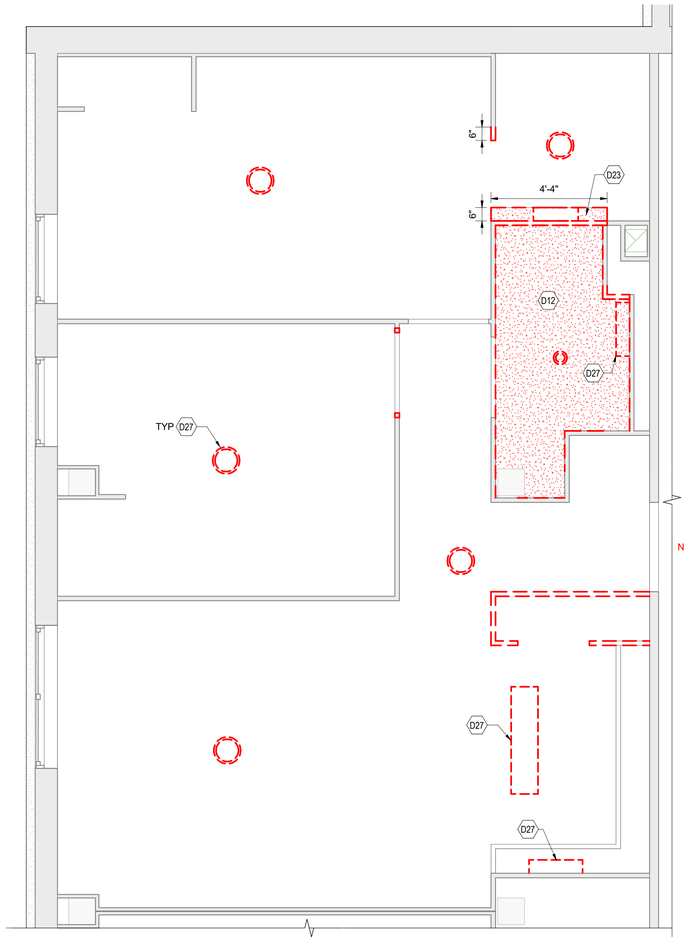
ALTERNATE KEYNOTES

#	DESCRIPTION
DA03	REPAIR EXISTING VCT FLOORING, AND PREPARE FOR INSTALLATION OF NEW VINYL FLOORING OVER EXISTING VCT TO REMAIN
DA15	REMOVE EXISTING DOOR AND ALL ASSOCIATED HARDWARE. REPAIR EXISITNG DOOR FRAME TO REMAIN AS NEEDED

NOT FOR CONSTRUCTION



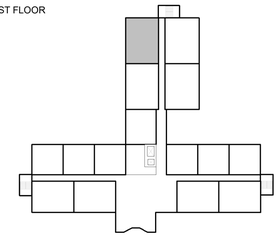
2 - UNIT A - ENLARGED DEMOLITION PLAN
SCALE: 3/8" = 1'-0"



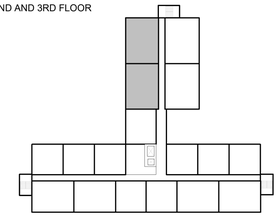
1 - UNIT A - ENLARGED DEMOLITION RCP
SCALE: 3/8" = 1'-0"

KEYPLAN - EXISTING UNIT A

1ST FLOOR



2ND AND 3RD FLOOR



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CONSULTANT INFO

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North Olmsted, OH 44070

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REVISIONS

REW JOB #	07425
DESIGN BY	AMA
DRAWN BY	AMA/EB/SCR
CHECK BY	SCR
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
DEMOLITION - ENLARGED TYPICAL APARTMENT UNITS

DRAWING NUMBER: **AD1021**

REV: **0**

7/17/2025 3:40:23 PM

PHASING GRAPHIC LEGEND

WALL / DOOR FLOOR CEILING	EXISTING TO REMAIN
WALL / DOOR FLOOR CEILING	EXISTING TO BE DEMOLISHED

DEMOLITION PLAN GENERAL NOTES

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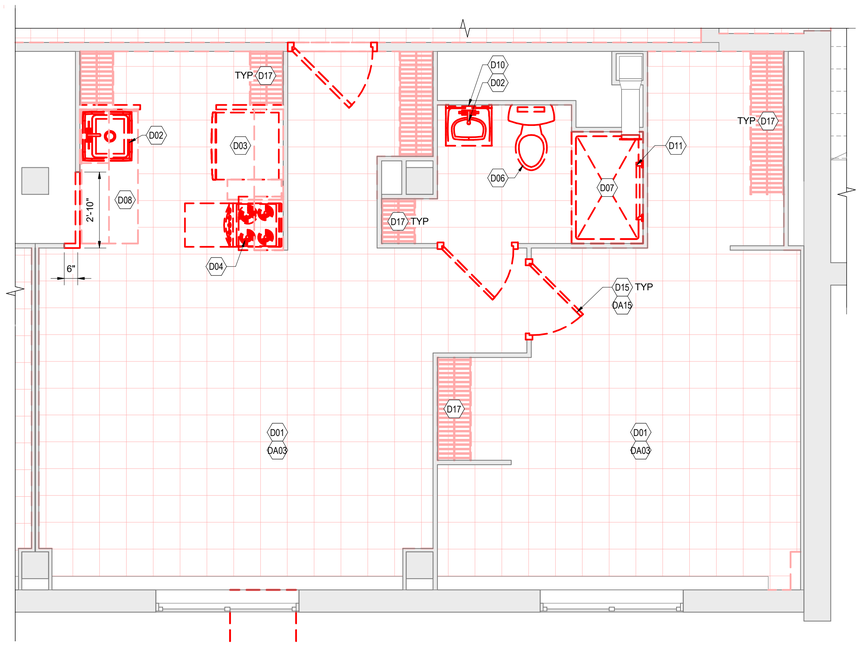
KEYNOTES

#	DESCRIPTION
D01	REMOVE EXISTING VINYL FLOORING AND BASE. PREPARE SURFACE TO RECEIVE NEW FINISHES
D02	REMOVE EXISTING SINK AND FAUCET FIXTURES
D03	REMOVE EXISTING REFRIGERATOR
D04	REMOVE EXISTING RANGE AND ASSOCIATED RECIRCULATING HOOD
D06	REMOVE EXISTING TOILET FIXTURE
D07	REMOVE EXISTING SHOWER SURROUND AND FIXTURES AND FINISHES.
D08	REMOVE EXISTING CASEWORK AND COUNTERTOP
D10	REMOVE EXISTING MIRROR
D11	REMOVE EXISTING GRAB BARS
D12	REMOVE ALL EXISTING GYPSUM CEILING THROUGHOUT ENTIRETY OF "WET AREAS"
D15	REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE
D17	REMOVE EXISTING VENTILATED SHELVING. PATCH AND REPIAR WALL WHERE SHELVING IS REMOVED AND PREPAIR FOR INSTALLATION OF NEW SHELVING AS NECESSARY
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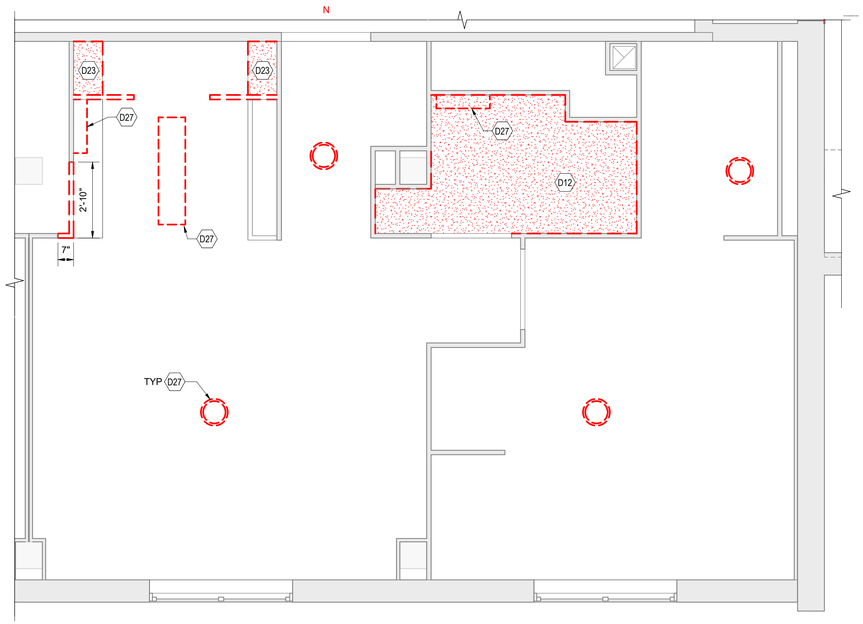
ALTERNATE KEYNOTES

#	DESCRIPTION
DA03	REPAIR EXISTING VCT FLOORING, AND PREPARE FOR INSTALLATION OF NEW VINYL FLOORING OVER EXISTING VCT TO REMAIN
DA15	REMOVE EXISTING DOOR AND ALL ASSOCIATED HARDWARE. REPAIR EXISITNG DOOR FRAME TO REMAIN AS NEEDED

NOT FOR CONSTRUCTION



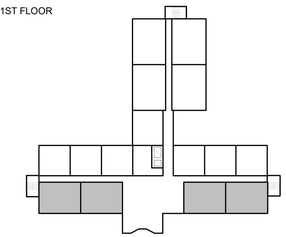
2 - UNIT B - DEMOLITION PLAN
SCALE: 3/8" = 1'-0"



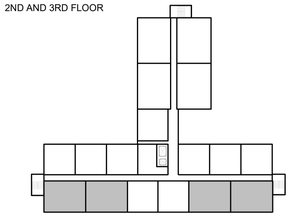
1 - UNIT B - DEMOLITION REFLECTED CEILING PLAN
SCALE: 3/8" = 1'-0"

KEYPLAN - EXISTING UNIT B

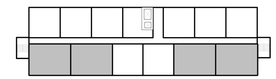
1ST FLOOR



2ND AND 3RD FLOOR



4TH THRU 9TH FLOOR



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North Olmsted, OH 44070

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REVISIONS

REW JOB #	07425
DESIGN BY	AMA
DRAWN BY	AMA/EB/SCR
CHECK BY	SCR
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
DEMOLITION - ENLARGED TYPICAL APARTMENT UNITS

DRAWING NUMBER: **AD1022**

REV: **0**

7/17/2025 3:40:28 PM

PHASING GRAPHIC LEGEND

WALL / DOOR FLOOR CEILING	EXISTING TO REMAIN
WALL / DOOR FLOOR CEILING	EXISTING TO BE DEMOLISHED

DEMOLITION PLAN GENERAL NOTES

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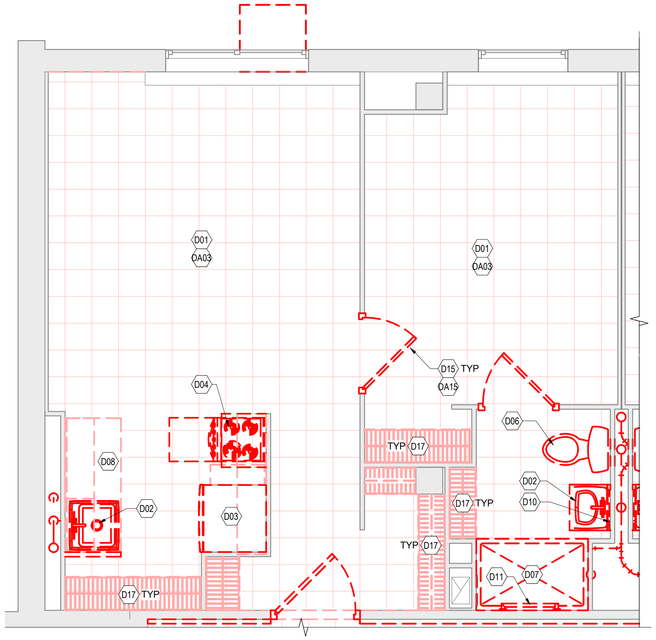
KEYNOTES

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D01	REMOVE EXISTING VINYL FLOORING AND BASE. PREPARE SURFACE TO RECEIVE NEW FINISHES
D02	REMOVE EXISTING SINK AND FAUCET FIXTURES
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D04	REMOVE EXISTING RANGE AND ASSOCIATED RECIRCULATING HOOD
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ALTERNATE KEYNOTES

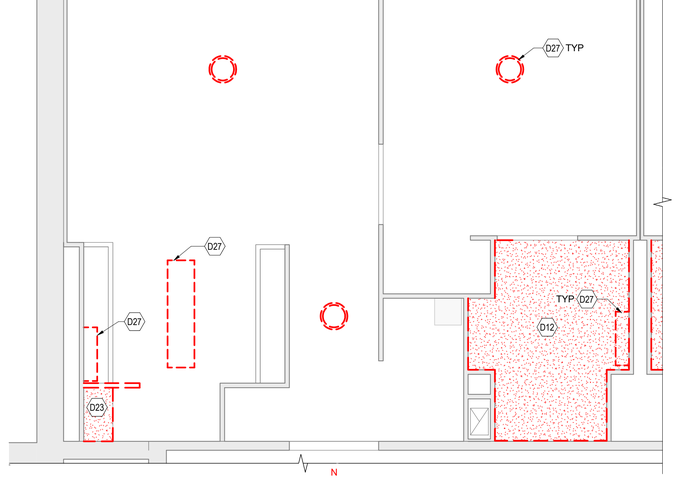
#	DESCRIPTION
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DA15	REMOVE EXISTING DOOR AND ALL ASSOCIATED HARDWARE. REPAIR EXISITNG DOOR FRAME TO REMAIN AS NEEDED

NOT FOR CONSTRUCTION



2 - UNIT C - DEMOLITION PLAN

SCALE: 3/8" = 1'-0"

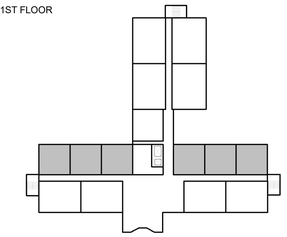


1 - UNIT C - DEMOLITION REFLECTED CEILING PLAN

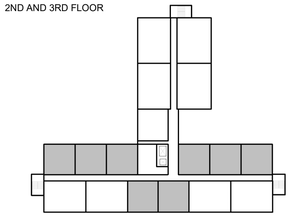
SCALE: 3/8" = 1'-0"

KEYPLAN - EXISTING UNIT C

1ST FLOOR



2ND AND 3RD FLOOR



4TH THRU 9TH FLOOR



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North Olmsted, OH 44070

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0	07/18/25	BID	AMA

REVISIONS

REW JOB #	07425
DESIGN BY	AMA
DRAWN BY	AMA/EB/SCR
CHECK BY	SCR
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
DEMOLITION - ENLARGED TYPICAL APARTMENT UNITS

DRAWING NUMBER: **AD1023**

REV: **0**

7/17/2025 3:40:34 PM

PHASING GRAPHIC LEGEND

WALL / DOOR FLOOR CEILING	EXISTING TO REMAIN
WALL / DOOR FLOOR CEILING	EXISTING TO BE DEMOLISHED

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3. EXISTING CONSTRUCTION THAT IS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. ANY DAMAGE CAUSED TO CONSTRUCTION TO REMAIN SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. THE DEMOLITION CONTRACTOR SHALL VERIFY THE SCOPE OF DEMOLITION WORK IN THE FIELD WITH THE DEMOLITION DRAWINGS AND NEW CONSTRUCTION DRAWINGS, AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. FIELD VERIFY ALL CONDITIONS PRIOR TO THE START OF DEMOLITION ACTIVITIES.
5. WALLS TO BE DEMOLISHED SHALL BE REMOVED DOWN TO THE EXISTING SLAB OR SUB-FLOOR. CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE SLAB, ADJACENT WALLS OR SUB-FLOOR. REPAIRED FLOOR SURFACE SHALL BE FLUSH WITH ADJACENT FLOOR SURFACE.
6. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL MATERIALS AND FIXTURES AND PROTECTION OF ANY AREA AND FINISHES NOT BEING REMOVED OR DEMOLISHED.
7. THE DEMOLITION CONTRACTOR SHALL LEAVE ALL DEMO AREAS CLEAN AND FREE OF ANY DEBRIS.

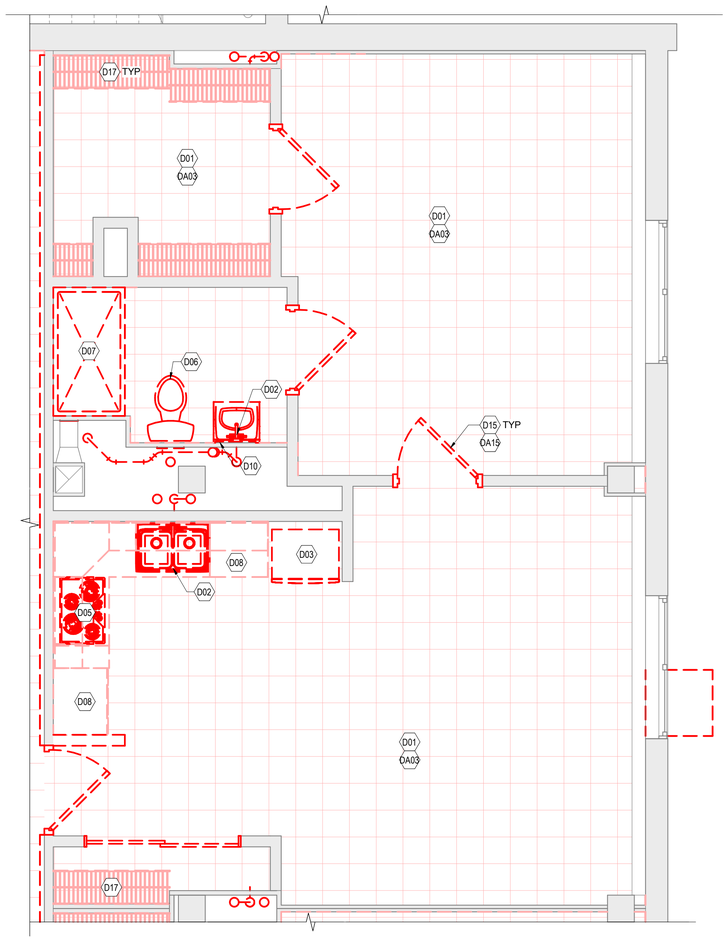
KEYNOTES

#	DESCRIPTION
D01	REMOVE EXISTING VINYL FLOORING AND BASE. PREPARE SURFACE TO RECEIVE NEW FINISHES
D02	REMOVE EXISTING SINK AND FAUCET FIXTURES
D03	REMOVE EXISTING REFRIGERATOR
D05	REMOVE EXISTING COOKTOP AND ASSOCIATED RECIRCULATING HOOD
D06	REMOVE EXISTING TOILET FIXTURE
D07	REMOVE EXISTING SHOWER SURROUND AND FIXTURES AND FINISHES.
D08	REMOVE EXISTING CASEWORK AND COUNTERTOP
D10	REMOVE EXISTING MIRROR
D12	REMOVE ALL EXISTING GYPSUM CEILING THROUGHOUT ENTIRETY OF "WET AREAS"
D15	REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE
D17	REMOVE EXISTING VENTILATED SHELVING. PATCH AND REPIAR WALL WHERE SHELVING IS REMOVED AND PREPAIR FOR INSTALLATION OF NEW SHELVING AS NECESSARY
D27	REMOVE EXISTING LIGHT FIXTURE TO BE REPLACED WITH LED FIXTURE; REF TO ELECTRICAL DRAWINGS FOR DETAILS. CONTRACTOR TO REPAIR ANY DAMAGE TO THE SURROUNDING CEILING OR SURFACES.

ALTERNATE KEYNOTES

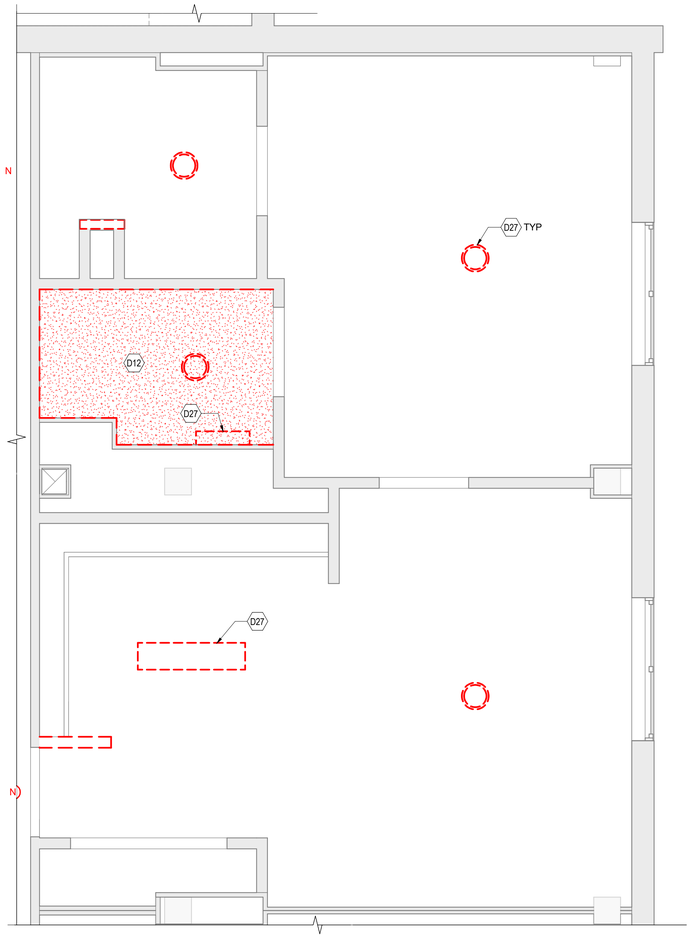
#	DESCRIPTION
DA03	REPAIR EXISTING VCT FLOORING, AND PREPARE FOR INSTALLATION OF NEW VINYL FLOORING OVER EXISTING VCT TO REMAIN
DA15	REMOVE EXISTING DOOR AND ALL ASSOCIATED HARDWARE. REPAIR EXISITNG DOOR FRAME TO REMAIN AS NEEDED

NOT FOR CONSTRUCTION



2 - UNIT D - DEMOLITION PLAN

SCALE: 3/8" = 1'-0"

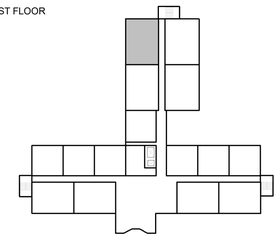


1 - UNIT D - DEMOLITION ENLARGED CEILING PLAN

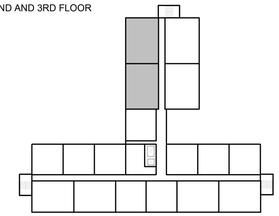
SCALE: 3/8" = 1'-0"

KEYPLAN - EXISTING UNIT D

1ST FLOOR



2ND AND 3RD FLOOR



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North Olmsted, OH 44070

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DATE	07/18/25
SCALE	AS NOTED

CMHA

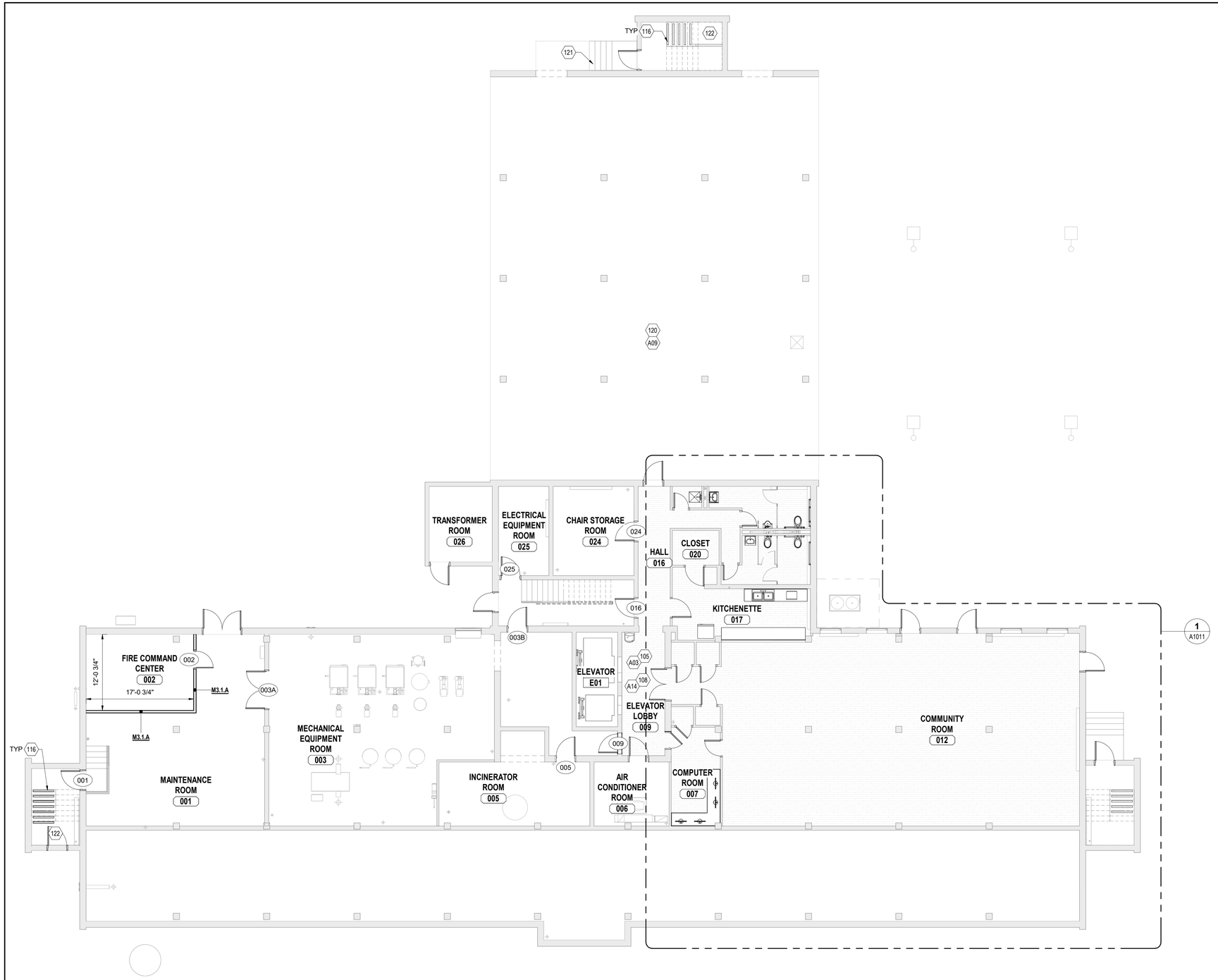
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
DEMOLITION - ENLARGED TYPICAL APARTMENT UNITS

DRAWING NUMBER: **AD1024**

REV: **0**

7/17/2025 3:40:39 PM



OVERALL PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF COLUMN UNLESS NOTED OTHERWISE.
3. DASHED CIRCLE IN RESTROOM INDICATES 5'-0" TURNING DIAMETER REQUIRED BY ADA.
4. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
5. SEE A5011 FOR DOOR TYPES.
6. REPAIR ALL TERMITE AND WATER DAMAGE AS NECESSARY.
7. EACH FLOOR HALL TO BE PAINTED A UNIQUE COLOR AT EACH LEVEL.
8. REFER TO ENLARGED UNIT PLAN SHEETS FOR UNIT DETAILS AND INFORMATION.

KEYNOTES

#	DESCRIPTION
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
116	PROVIDE ANTI-SLIP STRIPS AT FRONT EDGE OF STAIRS IN COLOR-CONTRAST MATERIAL
120	REFINISH EXTERIOR PAINTED SURFACES, INCLUDING SOFFIT, COLUMNS AND CONCRETE PAD
121	REPAIR ALL EXTERIOR STOOPS AS NECESSARY
122	REPAIR ALL DAMAGED STAIRS AS NECESSARY

ALTERNATE KEYNOTES

#	DESCRIPTION
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A09	NO FINISHES TO BE PROVIDED TO EXTERIOR PAINTED SURFACES
A14	PROVIDE NEW 4" COVED RUBBER BASE

NOT FOR CONSTRUCTION

N

GROUND FLOOR PLAN

SCALE: 1/8" = 1'-0"

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DRAWN BY	Author
CHECK BY	Checker
DATE	07/18/25
SCALE	AS NOTED

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE: GROUND FLOOR PLAN

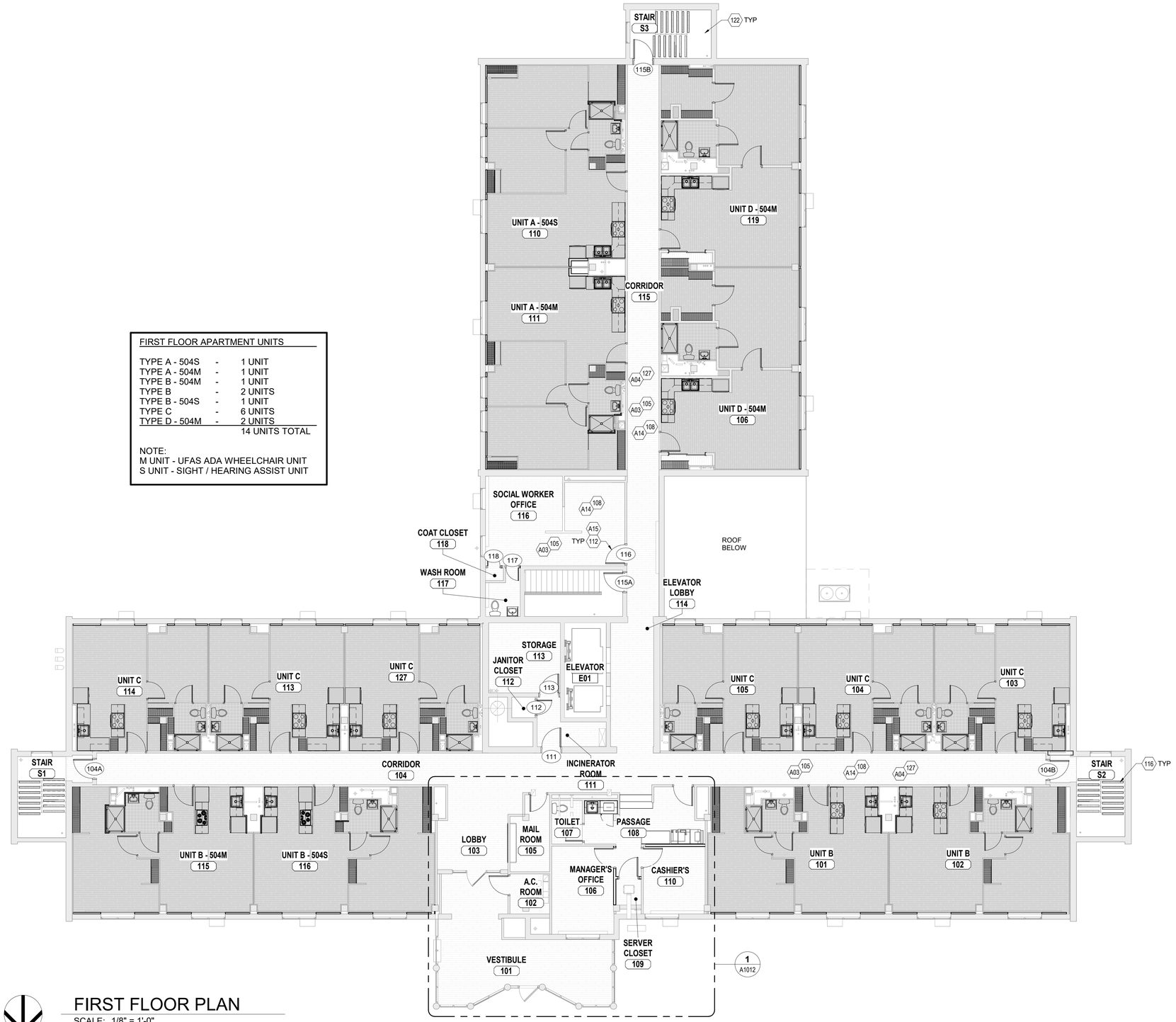
DRAWING NUMBER: **A1001**

REV: **0**

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FIRST FLOOR APARTMENT UNITS		
TYPE A - 504S	-	1 UNIT
TYPE A - 504M	-	1 UNIT
TYPE B - 504M	-	1 UNIT
TYPE B	-	2 UNITS
TYPE B - 504S	-	1 UNIT
TYPE C	-	6 UNITS
TYPE D - 504M	-	2 UNITS
		14 UNITS TOTAL

NOTE:
M UNIT - UFAS ADA WHEELCHAIR UNIT
S UNIT - SIGHT / HEARING ASSIST UNIT



N

FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

OVERALL PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF COLUMN UNLESS NOTED OTHERWISE.
3. DASHED CIRCLE IN RESTROOM INDICATES 5'-0" TURNING DIAMETER REQUIRED BY ADA.
4. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
5. SEE A5011 FOR DOOR TYPES.
6. REPAIR ALL TERMITE AND WATER DAMAGE AS NECESSARY.
7. EACH FLOOR HALL TO BE PAINTED A UNIQUE COLOR AT EACH LEVEL.
8. REFER TO ENLARGED UNIT PLAN SHEETS FOR UNIT DETAILS AND INFORMATION.

KEYNOTES

#	DESCRIPTION
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
112	PROVIDE NEW DOOR, FRAME, AND HARDWARE, INCLUDING DOOR STOP AS APPLICABLE
116	PROVIDE ANTI-SLIP STRIPS AT FRONT EDGE OF STAIRS IN COLOR-CONTRAST MATERIAL
122	REPAIR ALL DAMAGED STAIRS AS NECESSARY
127	INSTALL GYPSUM BOARD (PAINTED) OVER ALL EXPOSED CMU SURFACES THROUGHOUT CORRIDORS

ALTERNATE KEYNOTES

#	DESCRIPTION
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A04	PROVIDE NEW PAINT FINISH AT EXISTING CMU WALLS IN CORRIDORS
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY

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CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE: 1ST FLOOR PLAN

DRAWING NUMBER: **A1002**

REV: **0**

7/17/2025 3:48:23 PM

NOT FOR CONSTRUCTION

OVERALL PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF COLUMN UNLESS NOTED OTHERWISE.
3. DASHED CIRCLE IN RESTROOM INDICATES 5'-0" TURNING DIAMETER REQUIRED BY ADA.
4. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
5. SEE A5011 FOR DOOR TYPES.
6. REPAIR ALL TERMITE AND WATER DAMAGE AS NECESSARY.
7. EACH FLOOR HALL TO BE PAINTED A UNIQUE COLOR AT EACH LEVEL.
8. REFER TO ENLARGED UNIT PLAN SHEETS FOR UNIT DETAILS AND INFORMATION.

KEYNOTES

#	DESCRIPTION
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
112	PROVIDE NEW DOOR, FRAME, AND HARDWARE, INCLUDING DOOR STOP AS APPLICABLE
116	PROVIDE ANTI-SLIP STRIPS AT FRONT EDGE OF STAIRS IN COLOR-CONTRAST MATERIAL
122	REPAIR ALL DAMAGED STAIRS AS NECESSARY
124	EXISTING COMMUNITY BULLETIN BOARDS AT EACH FLOOR OUTSIDE ELEVATOR DOORS TO REMAIN
127	INSTALL GYPSUM BOARD (PAINTED) OVER ALL EXPOSED CMU SURFACES THROUGHOUT CORRIDORS

ALTERNATE KEYNOTES

#	DESCRIPTION
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A04	PROVIDE NEW PAINT FINISH AT EXISTING CMU WALLS IN CORRIDORS
A11	EXISTING BULLETIN BOARDS OUTSIDE OF ELEVATORS TO REMAIN
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY

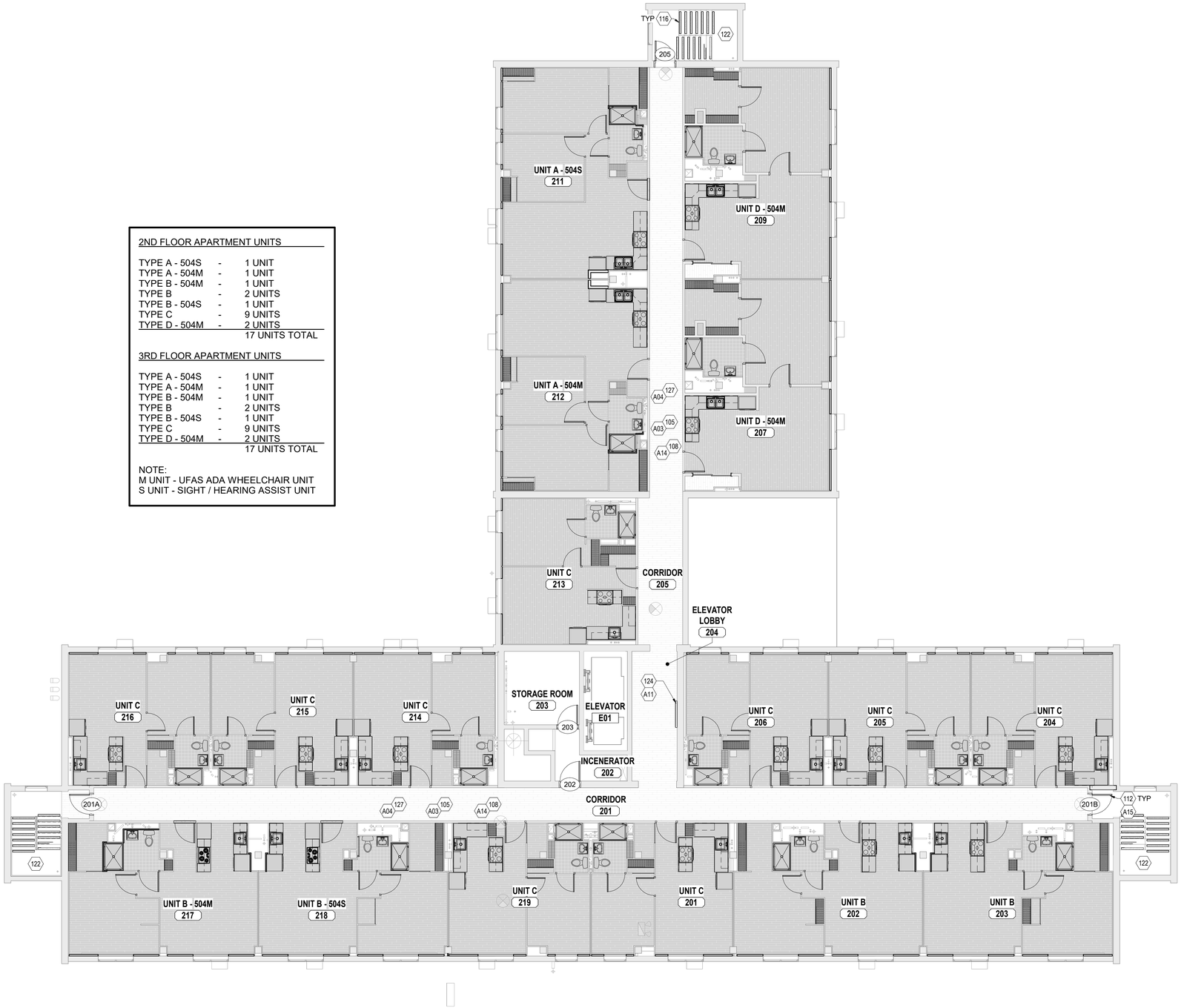
2ND FLOOR APARTMENT UNITS

TYPE A - 504S	-	1 UNIT
TYPE A - 504M	-	1 UNIT
TYPE B - 504M	-	1 UNIT
TYPE B	-	2 UNITS
TYPE B - 504S	-	1 UNIT
TYPE C	-	9 UNITS
TYPE D - 504M	-	2 UNITS
		17 UNITS TOTAL

3RD FLOOR APARTMENT UNITS

TYPE A - 504S	-	1 UNIT
TYPE A - 504M	-	1 UNIT
TYPE B - 504M	-	1 UNIT
TYPE B	-	2 UNITS
TYPE B - 504S	-	1 UNIT
TYPE C	-	9 UNITS
TYPE D - 504M	-	2 UNITS
		17 UNITS TOTAL

NOTE:
M UNIT - UFAS ADA WHEELCHAIR UNIT
S UNIT - SIGHT / HEARING ASSIST UNIT



N

2ND AND 3RD FLOOR PLANS

SCALE: 1/8" = 1'-0"

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North Olmsted, OH 44070

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DATE	07/18/25
SCALE	AS NOTED

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE: 2ND AND 3RD FLOOR PLAN

DRAWING NUMBER: **A1003**

REV: **0**

7/17/2025 3:48:30 PM

4TH FLOOR APARTMENT UNITS

TYPE B - 4 UNITS
TYPE C - 6 UNITS
12 UNITS TOTAL

5TH FLOOR APARTMENT UNITS

TYPE B - 4 UNITS
TYPE C - 6 UNITS
12 UNITS TOTAL

6TH FLOOR APARTMENT UNITS

TYPE B - 4 UNITS
TYPE C - 6 UNITS
12 UNITS TOTAL

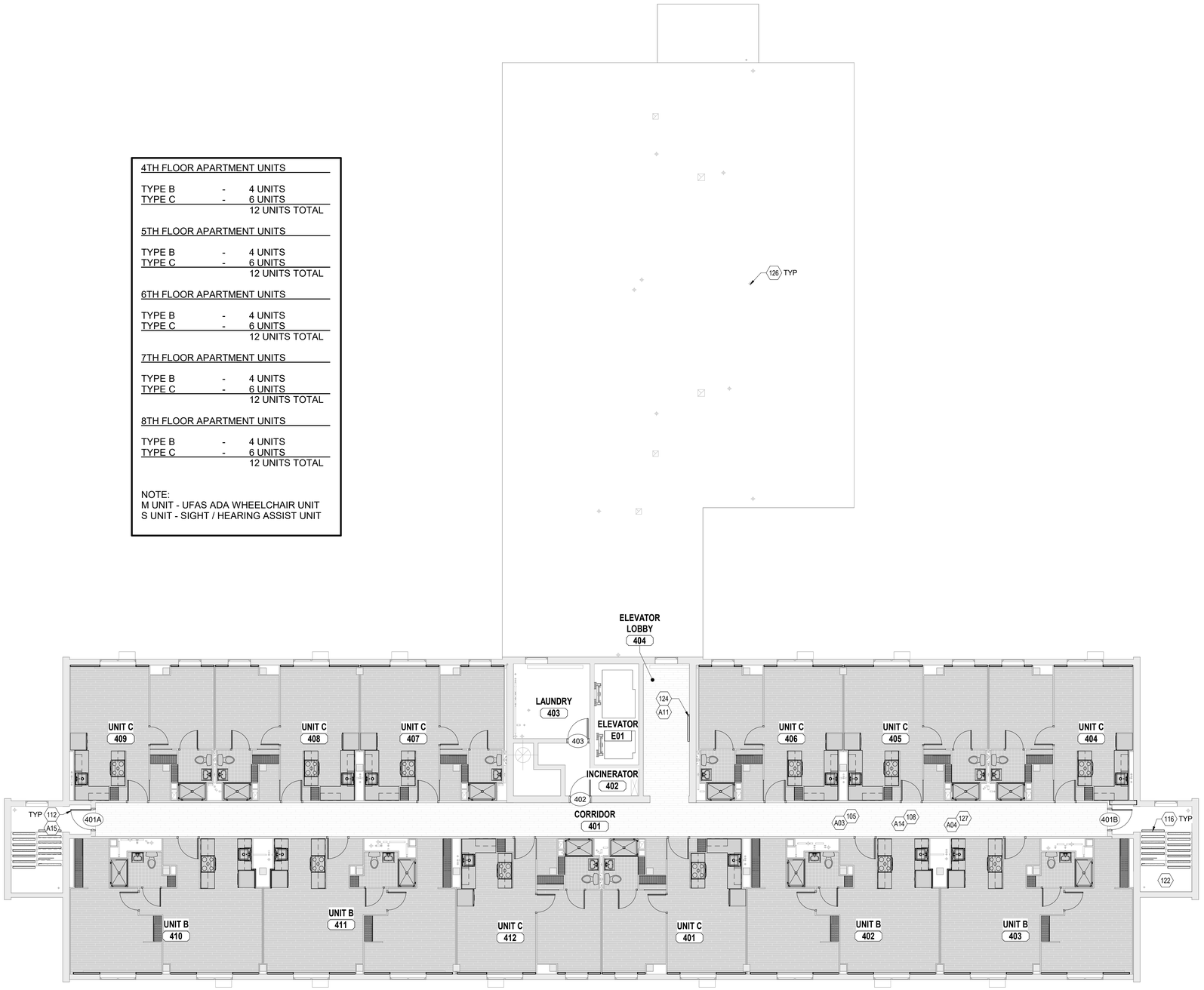
7TH FLOOR APARTMENT UNITS

TYPE B - 4 UNITS
TYPE C - 6 UNITS
12 UNITS TOTAL

8TH FLOOR APARTMENT UNITS

TYPE B - 4 UNITS
TYPE C - 6 UNITS
12 UNITS TOTAL

NOTE:
M UNIT - UFAS ADA WHEELCHAIR UNIT
S UNIT - SIGHT / HEARING ASSIST UNIT



OVERALL PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF COLUMN UNLESS NOTED OTHERWISE.
3. DASHED CIRCLE IN RESTROOM INDICATES 5'-0" TURNING DIAMETER REQUIRED BY ADA.
4. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
5. SEE A5011 FOR DOOR TYPES.
6. REPAIR ALL TERMITE AND WATER DAMAGE AS NECESSARY.
7. EACH FLOOR HALL TO BE PAINTED A UNIQUE COLOR AT EACH LEVEL.
8. REFER TO ENLARGED UNIT PLAN SHEETS FOR UNIT DETAILS AND INFORMATION.

KEYNOTES

#	DESCRIPTION
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
112	PROVIDE NEW DOOR, FRAME, AND HARDWARE, INCLUDING DOOR STOP AS APPLICABLE
116	PROVIDE ANTI-SLIP STRIPS AT FRONT EDGE OF STAIRS IN COLOR-CONTRAST MATERIAL
122	REPAIR ALL DAMAGED STAIRS AS NECESSARY
124	EXISTING COMMUNITY BULLETIN BOARDS AT EACH FLOOR OUTSIDE ELEVATOR DOORS TO REMAIN
126	PROVIDE NEW SANITARY PIPING, REF TO PLUMBING DRAWINGS FOR DETAILS AND LOCATIONS
127	INSTALL GYPSUM BOARD (PAINTED) OVER ALL EXPOSED CMU SURFACES THROUGHOUT CORRIDORS

ALTERNATE KEYNOTES

#	DESCRIPTION
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A04	PROVIDE NEW PAINT FINISH AT EXISTING CMU WALLS IN CORRIDORS
A11	EXISTING BULLETIN BOARDS OUTSIDE OF ELEVATORS TO REMAIN
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY

NOT FOR CONSTRUCTION

N

4TH THRU 8TH FLOOR PLANS

SCALE: 1/8" = 1'-0"

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DATE	07/18/25
SCALE	AS NOTED

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
4TH THRU 8TH FLOOR PLAN

DRAWING NUMBER: **A1004**

REV: **0**

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OVERALL PLAN GENERAL NOTES

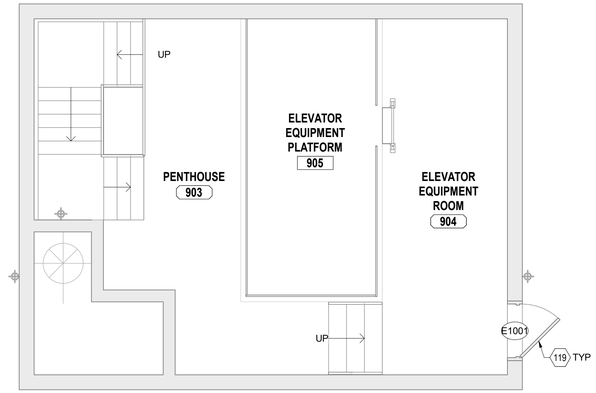
1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
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4. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
5. SEE A5011 FOR DOOR TYPES.
6. REPAIR ALL TERMITE AND WATER DAMAGE AS NECESSARY.
7. EACH FLOOR HALL TO BE PAINTED A UNIQUE COLOR AT EACH LEVEL.
8. REFER TO ENLARGED UNIT PLAN SHEETS FOR UNIT DETAILS AND INFORMATION.

KEYNOTES

#	DESCRIPTION
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
112	PROVIDE NEW DOOR, FRAME, AND HARDWARE, INCLUDING DOOR STOP AS APPLICABLE
116	PROVIDE ANTI-SLIP STRIPS AT FRONT EDGE OF STAIRS IN COLOR-CONTRAST MATERIAL
119	PAINT EXTERIOR DOOR PANELS AND FRAMES, TYP
124	EXISTING COMMUNITY BULLETIN BOARDS AT EACH FLOOR OUTSIDE ELEVATOR DOORS TO REMAIN
126	PROVIDE NEW SANITARY PIPING, REF TO PLUMBING DRAWINGS FOR DETAILS AND LOCATIONS
127	INSTALL GYPSUM BOARD (PAINTED) OVER ALL EXPOSED CMU SURFACES THROUGHOUT CORRIDORS

ALTERNATE KEYNOTES

#	DESCRIPTION
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A04	PROVIDE NEW PAINT FINISH AT EXISTING CMU WALLS IN CORRIDORS
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY



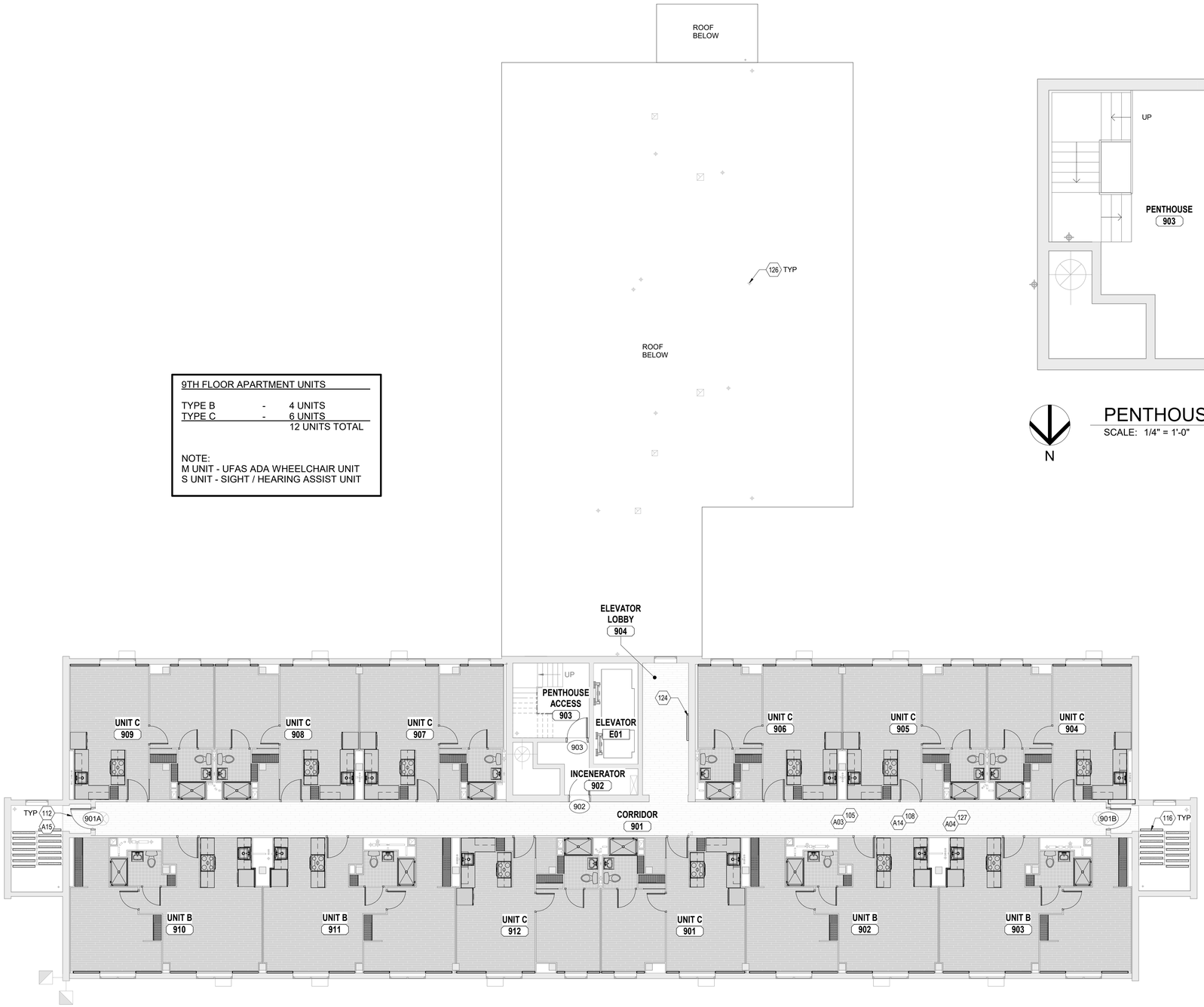
N

PENTHOUSE FLOOR PLAN

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

9TH FLOOR APARTMENT UNITS		
TYPE B	-	4 UNITS
TYPE C	-	6 UNITS
		12 UNITS TOTAL

NOTE:
M UNIT - UFAS ADA WHEELCHAIR UNIT
S UNIT - SIGHT / HEARING ASSIST UNIT



N

9TH FLOOR PLAN

SCALE: 1/8" = 1'-0"

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North Olmsted, OH 44070

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE: 9TH FLOOR PLAN

DRAWING NUMBER: **A1005**

REV: **0**

7/17/2025 3:48:43 PM



ANNOTATED PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF COLUMN UNLESS NOTED OTHERWISE.
3. DASHED CIRCLE IN RESTROOM INDICATES 5'-0" TURNING DIAMETER REQUIRED BY ADA.
4. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
5. SEE A5011 FOR DOOR TYPES.
6. REPAIR ALL TERMITE AND WATER DAMAGE AS NECESSARY.

KEYNOTES

#	DESCRIPTION
101	PROVIDE NEW DUAL BAY SINK AND FAUCET FIXTURES, REF TO PLUMBING
102	PROVIDE MICROWAVE OVEN
103	PROVIDE NEW RESIDENTIAL SIZED REFRIGERATOR
104	PROVIDE WATER CLOSET FIXTURE; REF TO PLUMBING DRAWINGS FOR DETAILS
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
107	PROVIDE NEW SOLID SURFACE COUNTERTOPS AND BACKSPLASH
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
112	PROVIDE NEW DOOR, FRAME, AND HARDWARE, INCLUDING DOOR STOP AS APPLICABLE
114	PROVIDE NEW SINK AND FAUCET FIXTURES; REF TO PLUMBING DRAWINGS FOR DETAILS
115	PROVIDE NEW URINAL FIXTURES; REF TO PLUMBING DRAWINGS FOR DETAILS
116	PROVIDE ANTI-SLIP STRIPS AT FRONT EDGE OF STAIRS IN COLOR-CONTRAST MATERIAL
121	REPAIR ALL EXTERIOR STOOPS AS NECESSARY
122	REPAIR ALL DAMAGED STAIRS AS NECESSARY
127	INSTALL GYPSUM BOARD (PAINTED) OVER ALL EXPOSED CMU SURFACES THROUGHOUT CORRIDORS

ALTERNATE KEYNOTES

#	DESCRIPTION
A01	PROVIDE NEW LAMINATE COUNTERTOPS AND BACKSPLASH
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A04	PROVIDE NEW PAINT FINISH AT EXISTING CMU WALLS IN CORRIDORS
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY

NOT FOR CONSTRUCTION

1 A1001 ENLARGED GROUND FLOOR PLAN

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

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DATE	07/18/25
SCALE	AS NOTED

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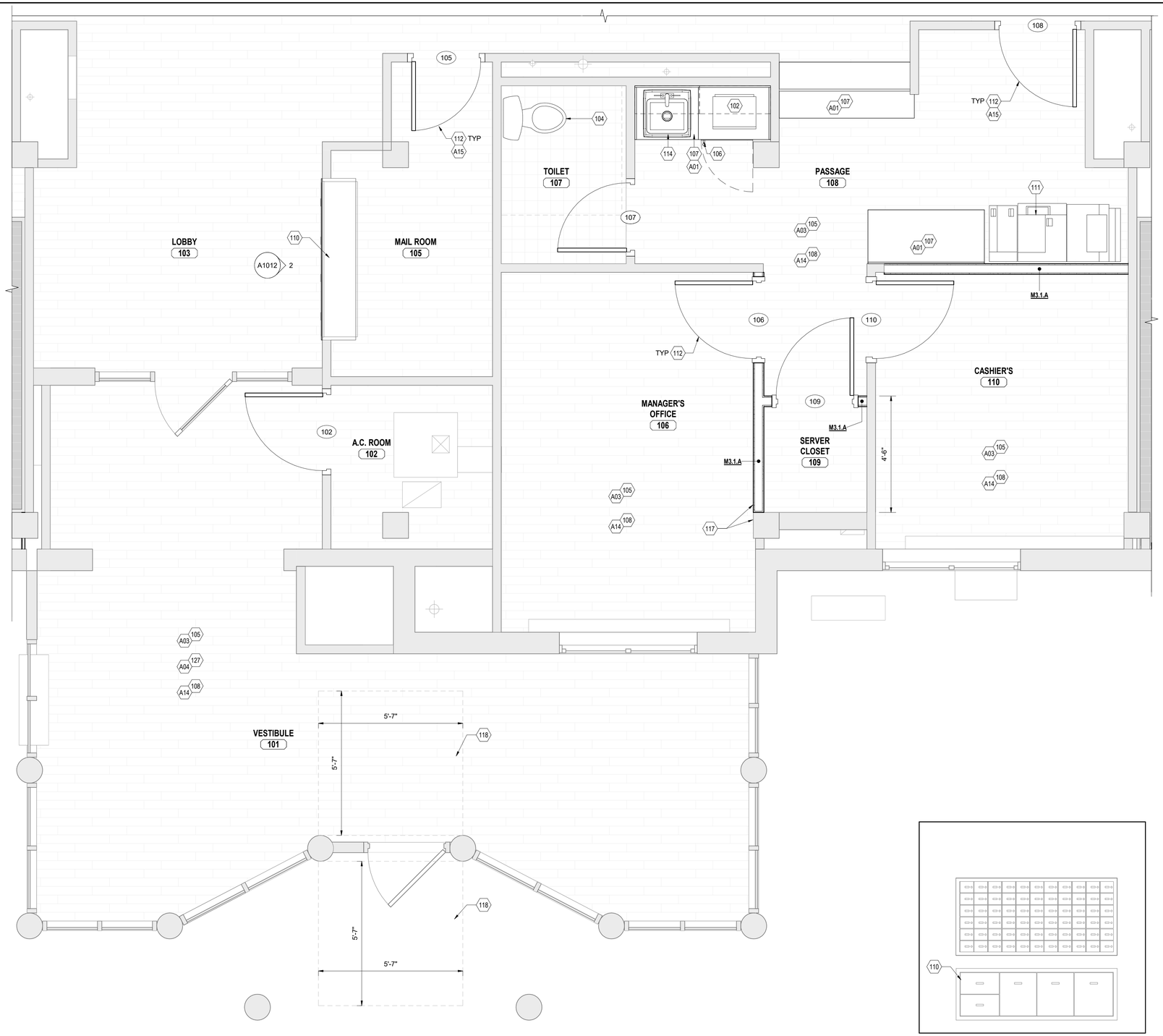
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
ENLARGED GROUND FLOOR PLAN

DRAWING NUMBER: **A1011**

REV: **0**

7/17/2025 3:48:47 PM



1 A1002 ENLARGED 1ST FLOOR PLAN

SCALE: 1/2" = 1'-0"

2 A1012 MAIL ELEVATION

SCALE: 1/2" = 1'-0"

ANNOTATED PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF COLUMN UNLESS NOTED OTHERWISE.
3. DASHED CIRCLE IN RESTROOM INDICATES 5'-0" TURNING DIAMETER REQUIRED BY ADA.
4. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
5. SEE A5011 FOR DOOR TYPES.
6. REPAIR ALL TERMITE AND WATER DAMAGE AS NECESSARY.

KEYNOTES

#	DESCRIPTION
102	PROVIDE MICROWAVE OVEN
104	PROVIDE WATER CLOSET FIXTURE; REF TO PLUMBING DRAWINGS FOR DETAILS
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
106	PROVIDE NEW REFRIGERATOR
107	PROVIDE NEW SOLID SURFACE COUNTERTOPS AND BACKSPLASH
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
110	PROVIDE NEW PACKAGE MAILBOX SYSTEM BELOW AND ALIGNED WITH EXISTING ENTRY TENANT MAILBOXES
111	RELOCATED EXISTING PRINTER
112	PROVIDE NEW DOOR, FRAME, AND HARDWARE, INCLUDING DOOR STOP AS APPLICABLE
114	PROVIDE NEW SINK AND FAUCET FIXTURES; REF TO PLUMBING DRAWINGS FOR DETAILS
117	ALIGN FACE OF NEW STUD WALL WITH EXISTING WALL FACE
118	MAINTAIN MINIMUM 5'X5' CLEAR SPACE INSIDE AND OUTSIDE OF ENTRY DOOR
127	INSTALL GYPSUM BOARD (PAINTED) OVER ALL EXPOSED CMU SURFACES THROUGHOUT CORRIDORS

ALTERNATE KEYNOTES

#	DESCRIPTION
A01	PROVIDE NEW LAMINATE COUNTERTOPS AND BACKSPLASH
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A04	PROVIDE NEW PAINT FINISH AT EXISTING CMU WALLS IN CORRIDORS
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY

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DATE	07/18/25
SCALE	AS NOTED

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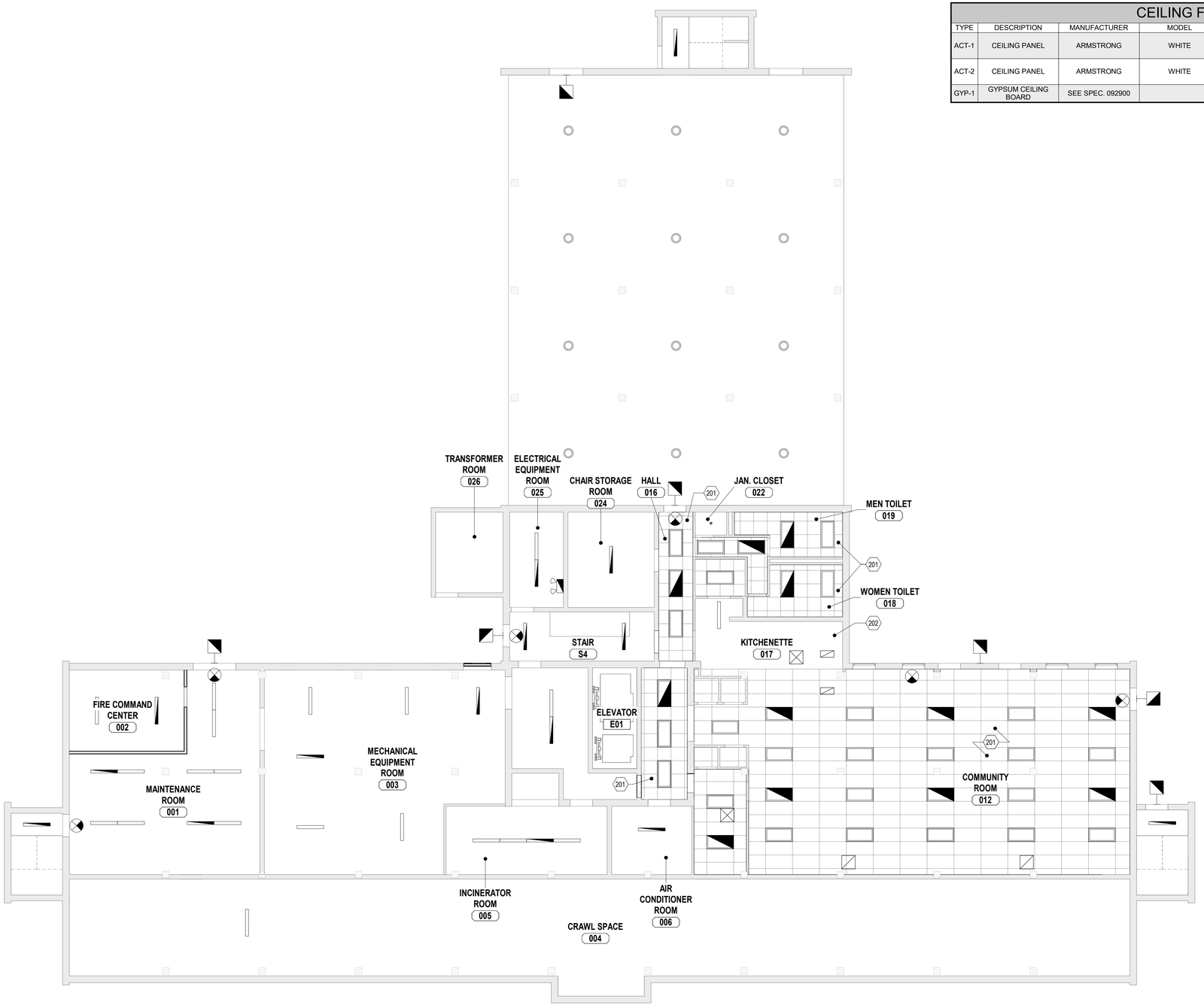
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE: ENLARGED 1ST FLOOR PLAN

DRAWING NUMBER: **A1012**

REV: **0**

7/17/2025 3:48:51 PM



CEILING FINISHES & MATERIALS

TYPE	DESCRIPTION	MANUFACTURER	MODEL	REMARKS	CONTACT
ACT-1	CEILING PANEL	ARMSTRONG	WHITE	24" x 24"	ROGER HALL ROGER.HALL@SHERWIN.COM 216.224.7509
ACT-2	CEILING PANEL	ARMSTRONG	WHITE	24" x 48"	ROGER HALL ROGER.HALL@SHERWIN.COM 216.224.7509
GYP-1	GYPSUM CEILING BOARD	SEE SPEC. 092900			

RCP GENERAL NOTES

1. ALL LIGHT FIXTURES TO BE REPLACED AT THE SAME LOCATION, WITH NEW LED FIXTURES; REFER TO ELECTRICAL DRAWINGS FOR DEVICE AND LIGHTING DETAILS.
2. ALL EXPOSED GYPSUM BOARD SURFACES SHALL BE PAINTED. REFER TO FINISH SCHEDULE.
3. ALL EXISTING ACOUSTIC CEILING TILE GRIDS TO BE CLEANED BEFORE INSTALLATION OF NEW TILES.

CEILING FIXTURE LEGEND

	TROFFER LIGHT FIXTURE
	TROFFER EMERGENCY LIGHT FIXTURE
	SURFACE MOUNT WRAP LENS LIGHT FIXTURE
	SURFACE MOUNT WRAP LENS EMERGENCY LIGHT FIXTURE
	RECESSED DOWNLIGHT FIXTURE
	EMERGENCY EXIT SIGNAGE / LIGHTING FIXTURE
	WALL PACK / SCONCE LIGHTING FIXTURE
	EMERGENCY LIGHTING WALL PACK FIXTURE
	RETURN DIFFUSER AIR TERMINAL
	SUPPLY DIFFUSER AIR TERMINAL

KEYNOTES

#	DESCRIPTION
201	PROVIDE NEW ACOUSTIC CEILING TILES AND GRID AT ORIGINAL LOCATION
202	REFINISH / PAINT EXISTING GYPSUM CEILING AS NECESSARY

NOT FOR CONSTRUCTION

N

REFLECTED CEILING PLAN GROUND FLOOR

SCALE: 1/8" = 1'-0"

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
REFLECTED CEILING PLAN - GROUND FLOOR

DRAWING NUMBER: **A1021**

REV: **0**

7/17/2025 3:48:54 PM



REFLECTED CEILING PLAN 1ST FLOOR

SCALE: 1/8" = 1'-0"

N

CEILING FINISHES & MATERIALS

TYPE	DESCRIPTION	MANUFACTURER	MODEL	REMARKS	CONTACT
GYP-1	GYPSUM CEILING BOARD	SEE SPEC. 092900			
GYP-2	WATER RESISTANT GYPSUM BOARD	SEE SPEC. 092900	-		

RCP GENERAL NOTES

1. ALL LIGHT FIXTURES TO BE REPLACED AT THE SAME LOCATION, WITH NEW LED FIXTURES; REFER TO ELECTRICAL DRAWINGS FOR DEVICE AND LIGHTING DETAILS.
2. ALL EXPOSED GYPSUM BOARD SURFACES SHALL BE PAINTED. REFER TO FINISH SCHEDULE.
3. ALL EXISTING ACOUSTIC CEILING TILE GRIDS TO BE CLEANED BEFORE INSTALLATION OF NEW TILES.

CEILING FIXTURE LEGEND

	TROFFER LIGHT FIXTURE
	TROFFER EMERGENCY LIGHT FIXTURE
	SURFACE MOUNT WRAP LENS LIGHT FIXTURE
	SURFACE MOUNT WRAP LENS EMERGENCY LIGHT FIXTURE
	RECESSED DOWNLIGHT FIXTURE
	EMERGENCY EXIT SIGNAGE / LIGHTING FIXTURE
	WALL PACK / SCONCE LIGHTING FIXTURE
	EMERGENCY LIGHTING WALL PACK FIXTURE
	RETURN DIFFUSER AIR TERMINAL
	SUPPLY DIFFUSER AIR TERMINAL

KEYNOTES

#	DESCRIPTION
202	REFINISH / PAINT EXISTING GYPSUM CEILING AS NECESSARY
203	PROVIDE NEW COAX CABLE HOUSING, REF TO ELECTRICAL DRAWINGS FOR DETAILS

NOT FOR CONSTRUCTION

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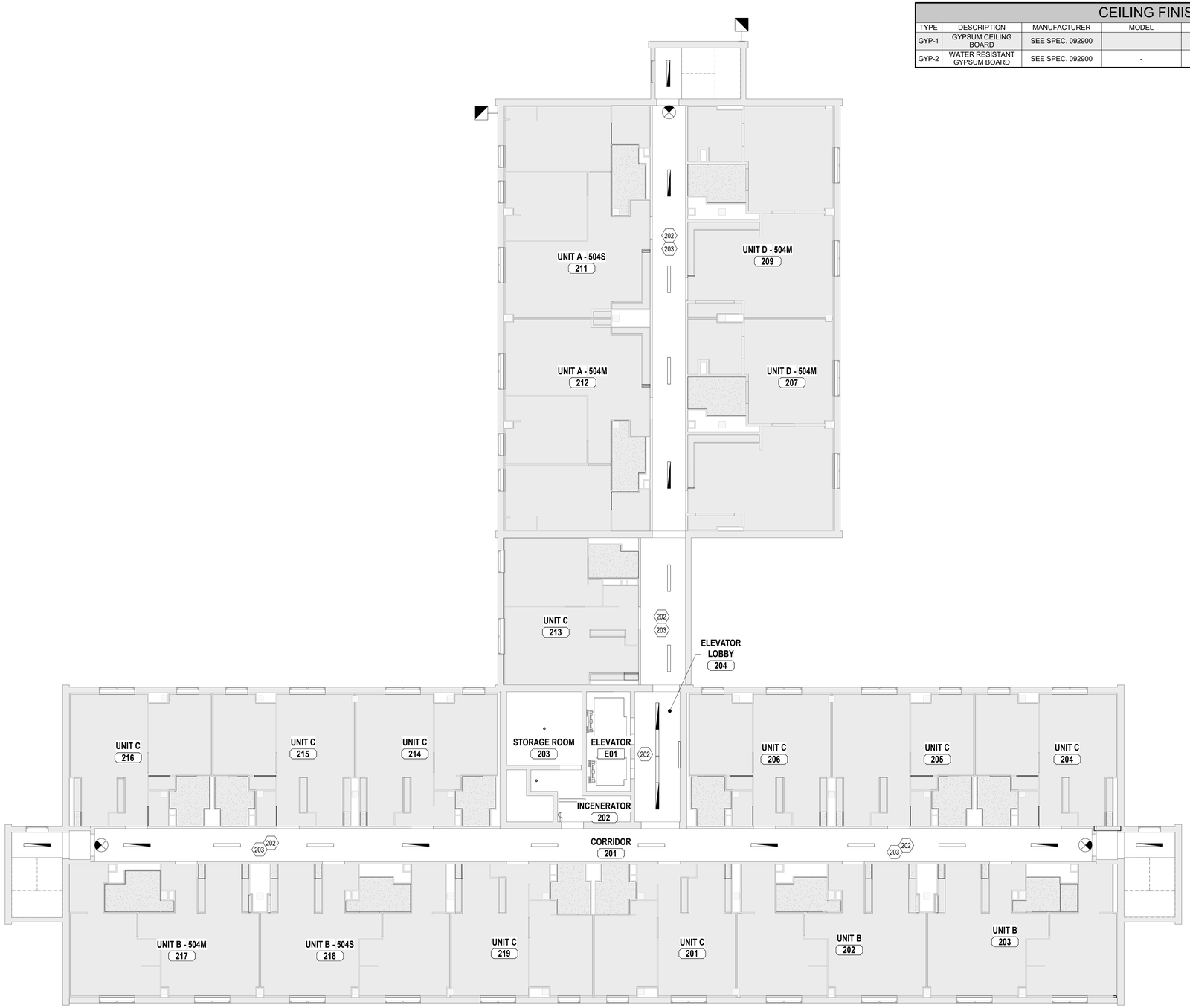
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
REFLECTED CEILING PLAN - 1ST FLOOR

DRAWING NUMBER: **A1022**

REV: **0**

7/17/2025 3:48:58 PM



CEILING FINISHES & MATERIALS

TYPE	DESCRIPTION	MANUFACTURER	MODEL	REMARKS	CONTACT
GYP-1	GYPSUM CEILING BOARD	SEE SPEC. 092900			
GYP-2	WATER RESISTANT GYPSUM BOARD	SEE SPEC. 092900	-		

RCP GENERAL NOTES

1. ALL LIGHT FIXTURES TO BE REPLACED AT THE SAME LOCATION, WITH NEW LED FIXTURES; REFER TO ELECTRICAL DRAWINGS FOR DEVICE AND LIGHTING DETAILS.
2. ALL EXPOSED GYPSUM BOARD SURFACES SHALL BE PAINTED. REFER TO FINISH SCHEDULE.
3. ALL EXISTING ACOUSTIC CEILING TILE GRIDS TO BE CLEANED BEFORE INSTALLATION OF NEW TILES.

CEILING FIXTURE LEGEND

	TROFFER LIGHT FIXTURE
	TROFFER EMERGENCY LIGHT FIXTURE
	SURFACE MOUNT WRAP LENS LIGHT FIXTURE
	SURFACE MOUNT WRAP LENS EMERGENCY LIGHT FIXTURE
	RECESSED DOWNLIGHT FIXTURE
	EMERGENCY EXIT SIGNAGE / LIGHTING FIXTURE
	WALL PACK / SCONCE LIGHTING FIXTURE
	EMERGENCY LIGHTING WALL PACK FIXTURE
	RETURN DIFFUSER AIR TERMINAL
	SUPPLY DIFFUSER AIR TERMINAL

KEYNOTES

#	DESCRIPTION
202	REFINISH / PAINT EXISTING GYPSUM CEILING AS NECESSARY
203	PROVIDE NEW COAX CABLE HOUSING, REF TO ELECTRICAL DRAWINGS FOR DETAILS

NOT FOR CONSTRUCTION

N

REFLECTED CEILING PLAN 2ND AND 3RD FLOOR

SCALE: 1/8" = 1'-0"

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601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
REFLECTED CEILING PLAN - 2ND AND 3RD FLOOR

DRAWING NUMBER: **A1023**

REV: **0**

7/17/2025 3:49:02 PM

CEILING FINISHES & MATERIALS

TYPE	DESCRIPTION	MANUFACTURER	MODEL	REMARKS	CONTACT
GYP-1	GYPSUM CEILING BOARD	SEE SPEC. 092900			
GYP-2	WATER RESISTANT GYPSUM BOARD	SEE SPEC. 092900	-		

RCP GENERAL NOTES

1. ALL LIGHT FIXTURES TO BE REPLACED AT THE SAME LOCATION, WITH NEW LED FIXTURES; REFER TO ELECTRICAL DRAWINGS FOR DEVICE AND LIGHTING DETAILS.
2. ALL EXPOSED GYPSUM BOARD SURFACES SHALL BE PAINTED. REFER TO FINISH SCHEDULE.
3. ALL EXISTING ACOUSTIC CEILING TILE GRIDS TO BE CLEANED BEFORE INSTALLATION OF NEW TILES.

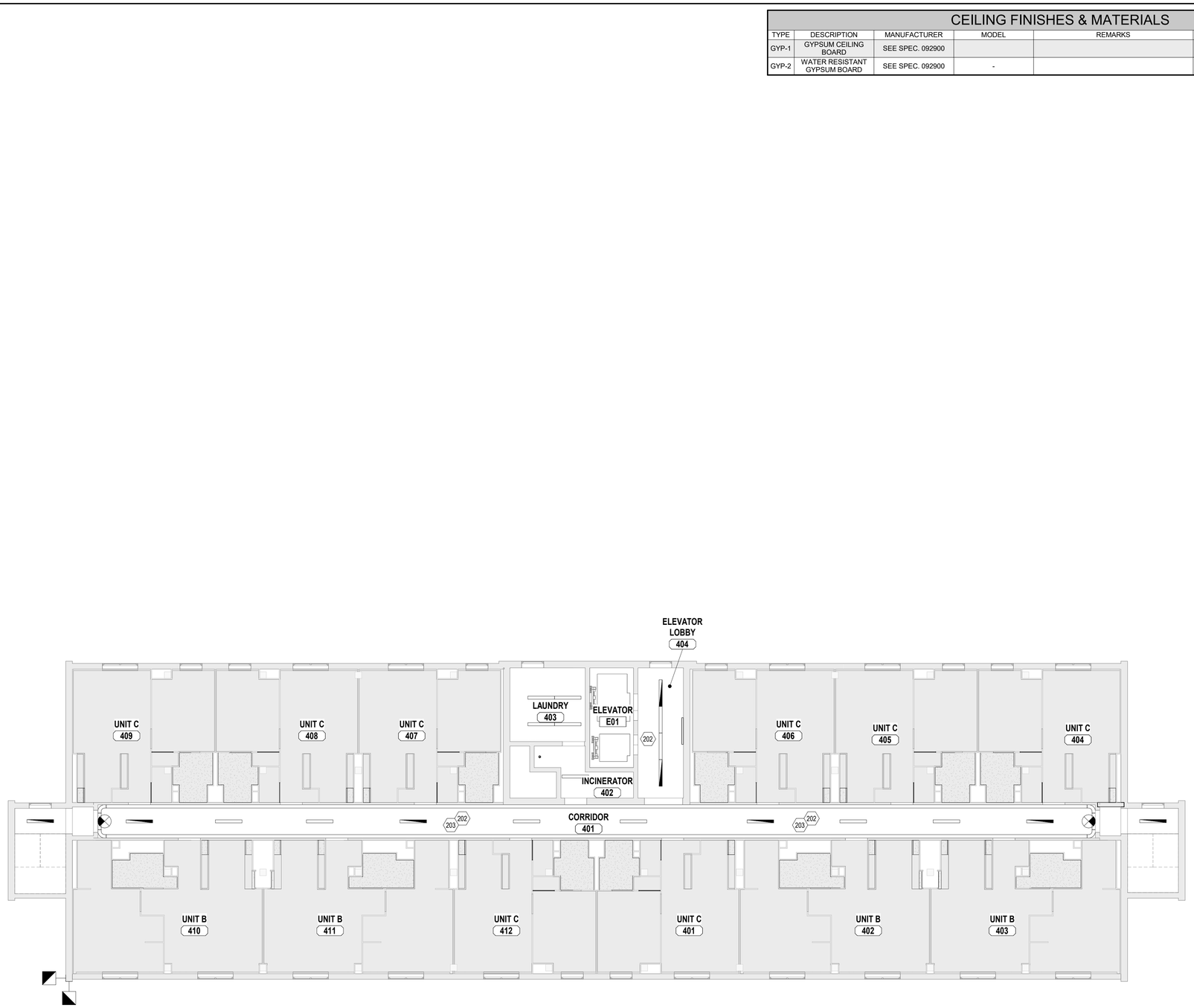
CEILING FIXTURE LEGEND

	TROFFER LIGHT FIXTURE
	TROFFER EMERGENCY LIGHT FIXTURE
	SURFACE MOUNT WRAP LENS LIGHT FIXTURE
	SURFACE MOUNT WRAP LENS EMERGENCY LIGHT FIXTURE
	RECESSED DOWNLIGHT FIXTURE
	EMERGENCY EXIT SIGNAGE / LIGHTING FIXTURE
	WALL PACK / SCONCE LIGHTING FIXTURE
	EMERGENCY LIGHTING WALL PACK FIXTURE
	RETURN DIFFUSER AIR TERMINAL
	SUPPLY DIFFUSER AIR TERMINAL

KEYNOTES

#	DESCRIPTION
202	REFINISH / PAINT EXISTING GYPSUM CEILING AS NECESSARY
203	PROVIDE NEW COAX CABLE HOUSING, REF TO ELECTRICAL DRAWINGS FOR DETAILS

NOT FOR CONSTRUCTION



N

REFLECTED CEILING PLAN 4TH TO 8TH FLOOR

SCALE: 1/8" = 1'-0"

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
REFLECTED CEILING PLAN - 4TH THRU 8TH FLOOR

DRAWING NUMBER: **A1024**

REV: **0**

7/17/2025 3:49:05 PM

CEILING FINISHES & MATERIALS

TYPE	DESCRIPTION	MANUFACTURER	MODEL	REMARKS	CONTACT
GYP-1	GYPSUM CEILING BOARD	SEE SPEC. 092900			
GYP-2	WATER RESISTANT GYPSUM BOARD	SEE SPEC. 092900	-		

RCP GENERAL NOTES

1. ALL LIGHT FIXTURES TO BE REPLACED AT THE SAME LOCATION, WITH NEW LED FIXTURES; REFER TO ELECTRICAL DRAWINGS FOR DEVICE AND LIGHTING DETAILS.
2. ALL EXPOSED GYPSUM BOARD SURFACES SHALL BE PAINTED. REFER TO FINISH SCHEDULE.
3. ALL EXISTING ACOUSTIC CEILING TILE GRIDS TO BE CLEANED BEFORE INSTALLATION OF NEW TILES.

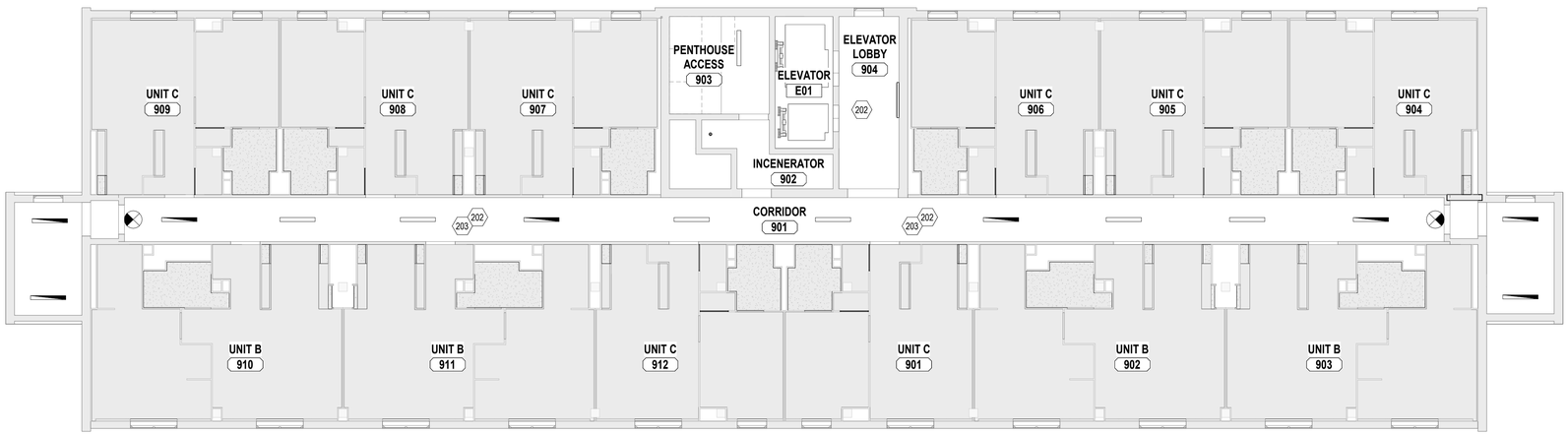
CEILING FIXTURE LEGEND

	TROFFER LIGHT FIXTURE
	TROFFER EMERGENCY LIGHT FIXTURE
	SURFACE MOUNT WRAP LENS LIGHT FIXTURE
	SURFACE MOUNT WRAP LENS EMERGENCY LIGHT FIXTURE
	RECESSED DOWNLIGHT FIXTURE
	EMERGENCY EXIT SIGNAGE / LIGHTING FIXTURE
	WALL PACK / SCONCE LIGHTING FIXTURE
	EMERGENCY LIGHTING WALL PACK FIXTURE
	RETURN DIFFUSER AIR TERMINAL
	SUPPLY DIFFUSER AIR TERMINAL

KEYNOTES

#	DESCRIPTION
202	REFINISH / PAINT EXISTING GYPSUM CEILING AS NECESSARY
203	PROVIDE NEW COAX CABLE HOUSING, REF TO ELECTRICAL DRAWINGS FOR DETAILS

NOT FOR CONSTRUCTION



N

REFLECTED CEILING PLAN 9TH FLOOR

SCALE: 1/8" = 1'-0"

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North Olmsted, OH 44070

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DATE	07/18/25
SCALE	AS NOTED

CMHA

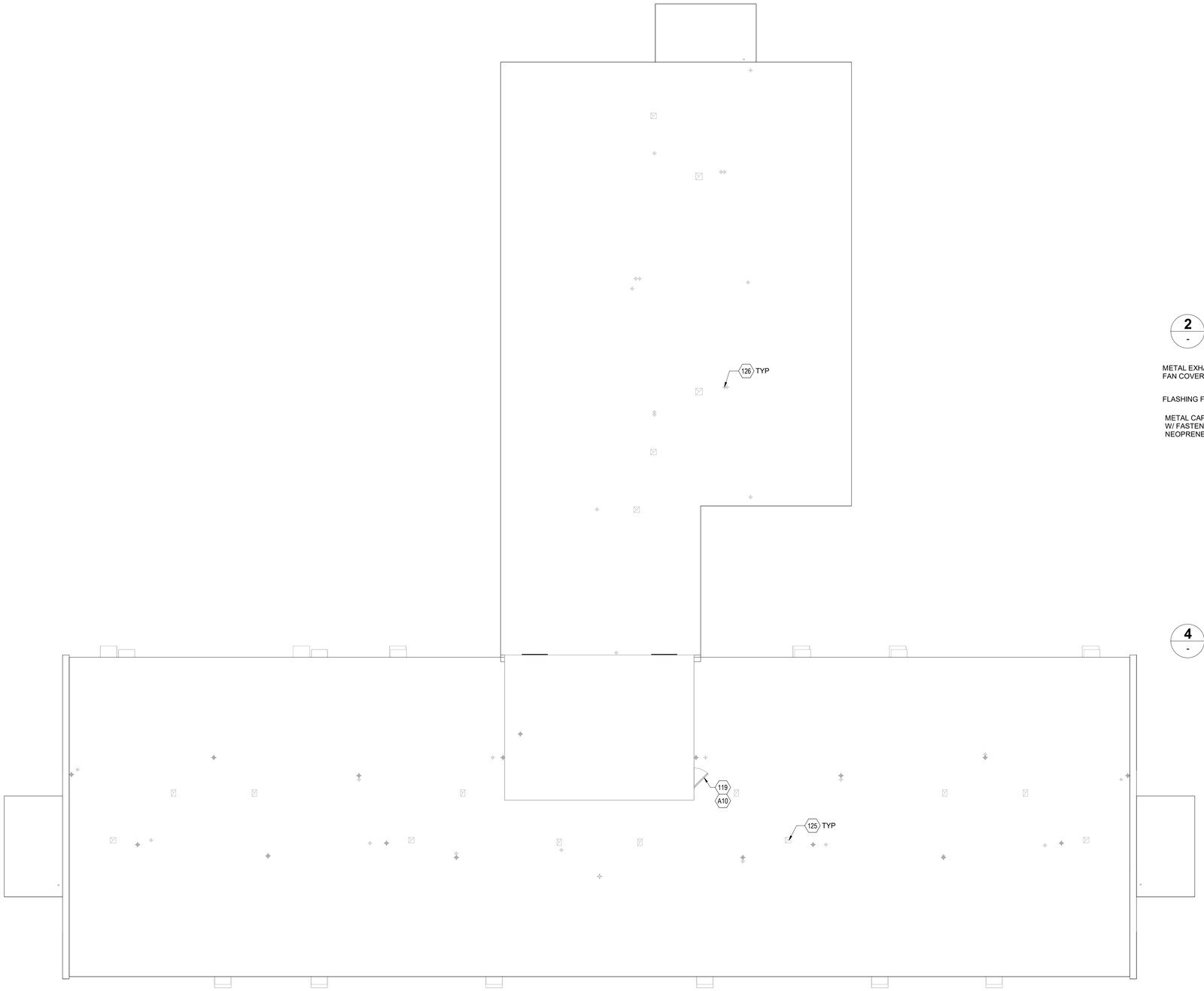
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
REFLECTED CEILING PLAN - 9TH FLOOR

DRAWING NUMBER: **A1025**

REV: **0**

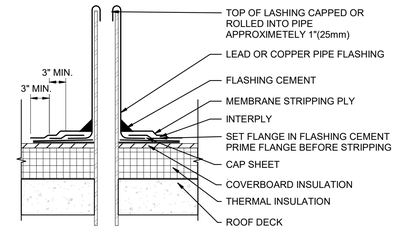
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ROOF PLAN

SCALE: 1/8" = 1'-0"

N

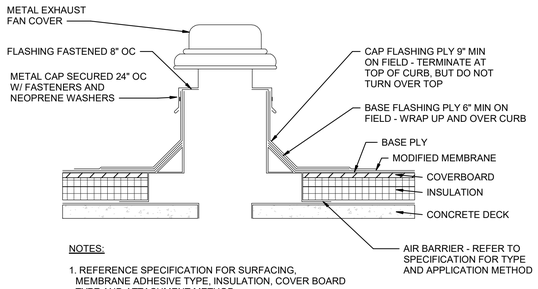


NOTES:

1. SOFT METAL PIPE FLASHING;
   - SHEET LEAD: MINIMUM OF 2 1/2 LB. PER SQUARE FOOT (12 kg / sq. m) OR
   - SHEET COPPER: MINIMUM 16 OZ. (5 kg / sq. m)
2. IF USING COPPER FLASHING OVER AN IRON OR STEEL PIPE, INSERT A SEPARATOR SHEET (E.G., ASPHALT - CONTACT WITH PIPE, TO REDUCE GALVANIC ACTION.
3. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12 INCHES (305 mm) OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.
4. GRANULES MUST BE EMBEDDED WHEN USING TORCH APPLIED GRANULE SURFACED CAP SHEETS PRIOR TO COMPLETING SIDE LAPS, END LAPS, AND BASE FLASHING LAPS.

2 - TYPICAL VENT PIPE DETAIL

SCALE: 1 1/2" = 1'-0"



NOTES:

1. REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, INSULATION, COVER BOARD TYPE AND ATTACHMENT METHOD.

2. ASSURE ROOF AIR BARRIER PROPERLY TIES INTO WALL SYSTEM AIR BARRIER, IF PRESENT.

4 - TYPICAL EXHAUST FAN DETAIL

SCALE: 1 1/2" = 1'-0"

ROOF PLAN GENERAL NOTES

1. COORDINATE ROOF PENETRATIONS WITH PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS.
2. ALL PENETRATIONS THROUGH THE ROOF (VENTS, FLUES, ETC.) SHALL BE PAINTED TO MATCH ROOF.
3. INSTALL ICE AND WATER SHIELD UNDERLAYMENT A MINIMUM OF 36" AROUND ALL ROOF EDGES & PENETRATIONS.

KEYNOTES

#	DESCRIPTION
119	PAINT EXTERIOR DOOR PANELS AND FRAMES, TYP
125	PROVIDE NEW EXHAUST FANS AT EXISTING LOCATIONS; REF TO MECHANICAL DRAWINGS FOR DETAILS AND LOCATIONS
126	PROVIDE NEW SANITARY PIPING, REF TO PLUMBING DRAWINGS FOR DETAILS AND LOCATIONS

ALTERNATE KEYNOTES

#	DESCRIPTION
A10	NO FINISHES TO BE PROVIDED EXTERIOR PAINTED TRIM

NOT FOR CONSTRUCTION

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CONSULTANT INFO

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North Olmsted, OH 44070

REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	AMA

REVISIONS

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DESIGN BY	AMA
DRAWN BY	AMA/EB/SCR
CHECK BY	SCR
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CMHA

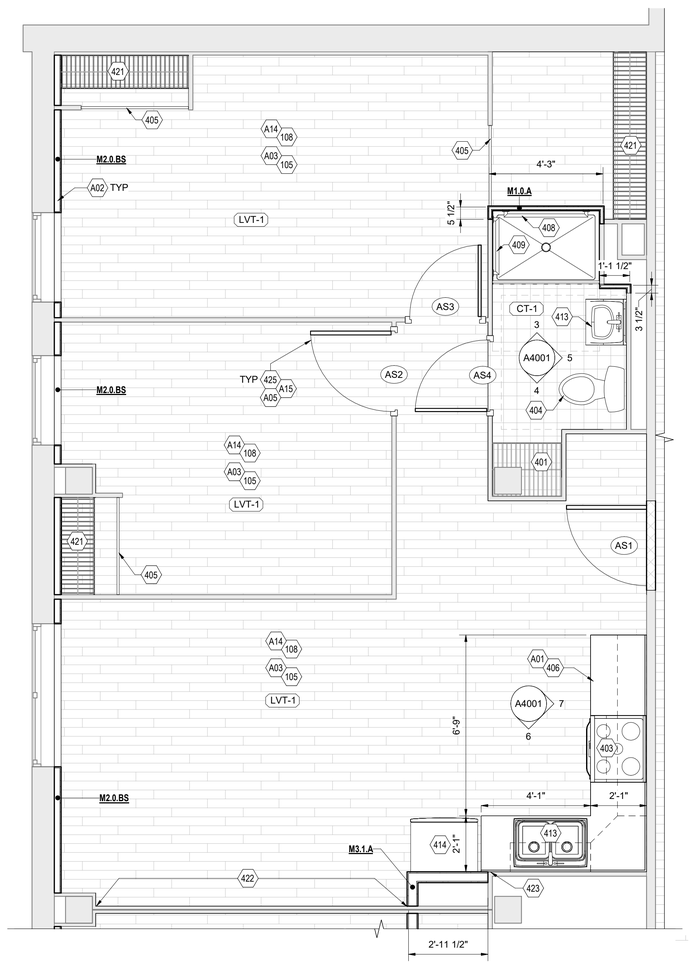
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE: ROOF PLAN

DRAWING NUMBER: **A1031**

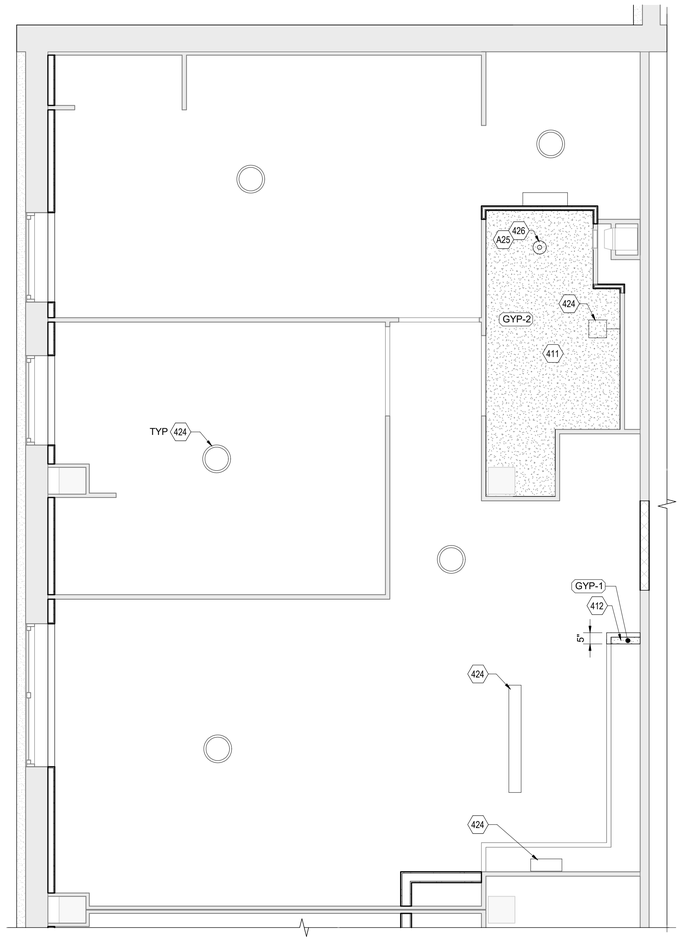
REV: **0**

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2 UNIT A ENLARGED FLOOR PLAN

SCALE: 3/8" = 1'-0"



1 UNIT A ENLARGED REFLECTED CEILING PLAN

SCALE: 3/8" = 1'-0"

UNIT DOOR AND FRAME SCHEDULE

DOOR #	DOOR						FRAME			HARDWARE SET	REMARKS
	TYPE	SIZE			MAT	FINISH	TYPE	MATERIAL	FINISH		
		WIDTH	HT	THK							
AS1	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	1	
AS2	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	2	
AS3	F	2'-8"	6'-8"	1 3/8"	WD	PTD	F1	HM	PTD	2	
AS4	F	2'-8"	6'-8"	1 3/8"	WD	PTD	F1	HM	PTD	2	

UNIT INTERIOR FINISHES & MATERIALS

TYPE	DESCRIPTION	MANUFACTURER	MODEL/COLOR	REMARKS
CEILING				
GYP-1	GYPSUM CEILING BOARD	SEE SPEC. 092900		
GYP-2	WATER RESISTANT GYPSUM BOARD	SEE SPEC. 092900	-	
CLADDING				
CT-2	CERAMIC WALL TILE			
GYP-1	GYPSUM WALL BOARD	--	-	
FLOORING				
CT-1	CERAMIC TILE FLOORING			
LVT-1	LUXURY VINYL TILE	MANNINGTON	SHIBORI JASMINE - SX5W7800	FINISH: TICK SIZE: 5.91" X 39.37"
PAINT				
PT-1	WALL PAINT	--	--	OWNER TO SELECT COLOR AND FINISH

FLOOR PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNO.
3. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
4. SEE A5011 FOR DOOR TYPES.
5. GC TO PERFORM LAYOUT OF ENTIRE SPACE PRIOR TO STARTING FRAMING TO FIELD VERIFY DIMENSIONS TO EXISTING STRUCTURE.
6. GC TO ENSURE EXISTING RATED WALLS ARE MAINTAINED.
7. EXTEND FLOORING TO ALL RANGE & REFRIDGERATOR RECESSES.
8. GC TO FIELD VERIFY DIMENSIONS FOR KITCHEN / BATH / CASEWORK / FIXTURES AND APPLIANCES BEFORE ORDERING.
9. VERIFY ALL APPLIANCE DIMENSION SIZES WITH SUPPLIER.
10. ALL LIGHT FIXTURES TO BE REPLACED AT THE SAME LOCATION, WITH NEW LED FIXTURES; REFER TO ELECTRICAL DRAWINGS FOR DEVICE AND LIGHTING DETAILS.
11. ALL WALLS IN THE APARTMENT UNITS TO BE PT-1 UNLESS NOTED OTHERWISE.

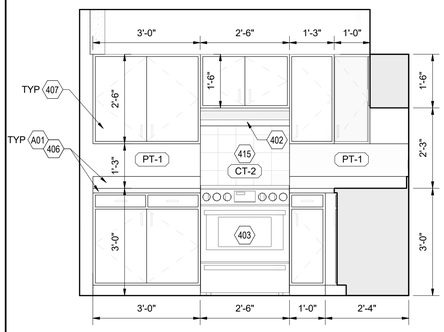
KEYNOTES

#	DESCRIPTION
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
401	PROVIDE NEW VENTILATED SHELVING IN QUANTITIES MATCHING ORIGINAL UNIT SHELVING, INSTALL AT ORIGINAL LOCATION, UNO.
402	PROVIDE NEW HOOD VENT; REF TO MECHANICAL DRAWINGS FOR DETAILS
403	PROVIDE NEW 30" ELECTRIC RANGE
404	PROVIDE WATER CLOSET FIXTURE; REF TO PLUMBING DRAWINGS FOR DETAILS
405	PROVIDE NEW CANVAS CURTAINS AND CURTAIN ROD
406	PROVIDE NEW SOLID SURFACE COUNTERTOPS AND BACKSPLASH
407	PROVIDE NEW CABINETRY
408	PROVIDE NEW 36" GRAB BAR, INSTALL PER MANUFACTURES SPECIFICATIONS
409	PROVIDE NEW 24" GRAB BAR, INSTALL PER MANUFACTURES SPECIFICATIONS
410	PROVIDE NEW 24"W X 18"H MIRROR
411	PROVIDE NEW MOISTURE RESISTANT GYPSUM CEILING
412	PROVIDE NEW GYPSUM SOFFIT
413	PROVIDE NEW SINK AND FAUCET FIXTURES; REF TO PLUMBING DRAWINGS FOR DETAILS
414	PROVIDE NEW 30" REFRIGERATOR
415	PROVIDE NEW CERAMIC TILE GREASE BACKSPLASH
418	VENTILATION GRILLE; SEE MECHANICHAL FOR DETAIL
420	PROVIDE NEW SHOWER CURTAIN ROD
421	PROVIDE NEW VENTILATED SHELVING WITH CURTAIN RODS IN QUANTITIES MATCHING ORIGINAL LOCATION SHELVING, UNO
422	PROVIDE UNIQUE FINISH TO WALL TO MATCH "ACCENT WALL" SELECTED FINISH TO BE PT-2
423	ALIGN FACE OF NEW STUD WALL WITH EXISTING WALL FACE
424	PROVIDE NEW LED FIXTURES AT ORIGINAL FIXTURE LOCATIONS; REF TO ELECTRICAL DRAWINGS FOR DETAILS
425	PROVIDE NEW DOOR, FRAME, AND HARDWARE, INCLUDING DOOR STOP AS APPLICABLE
426	PROVIDE NEW WATERPROOF LED LIGHT FIXTURE AT UNIT SHOWER

ALTERNATE KEYNOTES

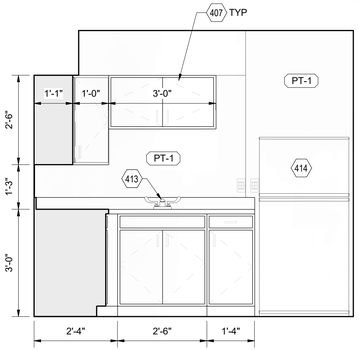
#	DESCRIPTION
A01	PROVIDE NEW LAMINATE COUNTERTOPS AND BACKSPLASH
A02	NO INSULATED METAL STUD CONSTRUCTION OVER EXSITING EXTERIOR WALLS
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A05	REPLACE ALL UNIT INTERIOR DOOR PANELS WITH HOLLOW-CORE WOOD DOORS
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY
A25	NO INSTALLATION OF WATERPROOF LIGHTING AT UNIT SHOWERS TO OCCUR

NOT FOR CONSTRUCTION



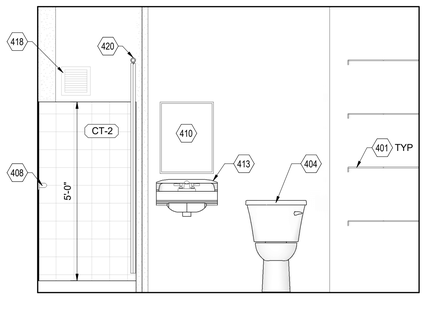
7 KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



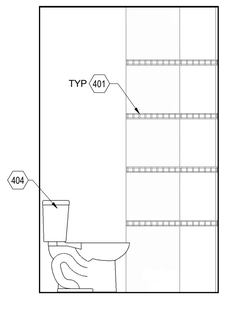
6 KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



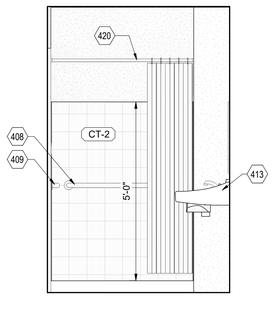
5 BATHROOM ELEVATION

SCALE: 1/2" = 1'-0"



4 BATHROOM ELEVATION

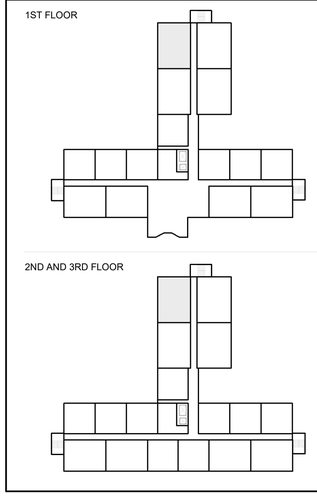
SCALE: 1/2" = 1'-0"



3 BATHROOM ELEVATION

SCALE: 1/2" = 1'-0"

KEYPLAN - UNIT A 504S



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REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	AMA

REVISIONS

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DESIGN BY	Designer
DRAWN BY	Author
CHECK BY	Checker
DATE	07/18/25
SCALE	AS NOTED

CMHA

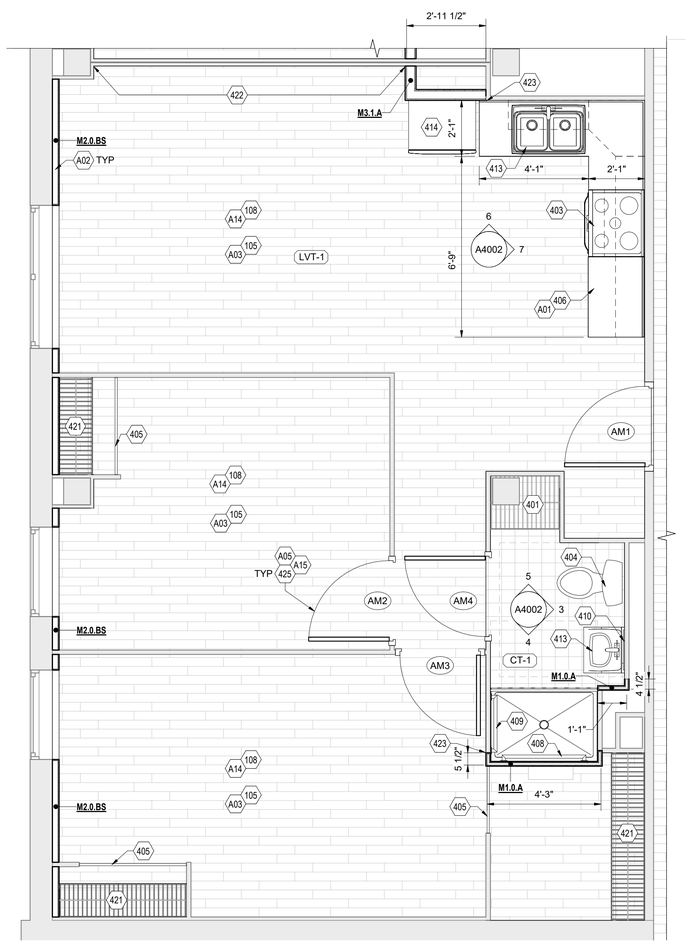
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

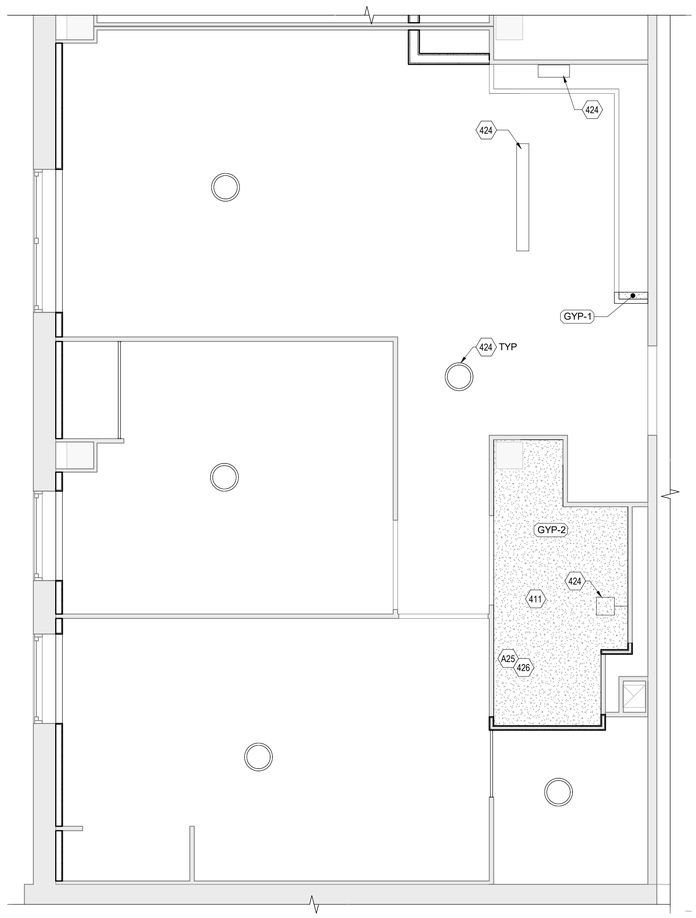
DRAWING TITLE:
UNIT A 504S - ENLARGED PLANS AND INTERIOR ELEVATIONS

DRAWING NUMBER: **A4001**

REV: **0**

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UNIT DOOR AND FRAME SCHEDULE

DOOR #	DOOR						FRAME			HARDWARE SET	REMARKS
	TYPE	SIZE			MAT	FINISH	TYPE	MATERIAL	FINISH		
		WIDTH	HT	THK							
AM1	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	1	
AM2	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	2	
AM3	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	2	
AM4	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	2	

UNIT INTERIOR FINISHES & MATERIALS

TYPE	DESCRIPTION	MANUFACTURER	MODEL/COLOR	REMARKS
CEILING				
GYP-1	GYPSUM CEILING BOARD	SEE SPEC. 092900		
GYP-2	WATER RESISTANT GYPSUM BOARD	SEE SPEC. 092900	-	
CLADDING				
CT-2	CERAMIC WALL TILE			
GYP-1	GYPSUM WALL BOARD	--	-	
FLOORING				
CT-1	CERAMIC TILE FLOORING			
LVT-1	LUXURY VINYL TILE	MANNINGTON	SHIBORI JASMINE - SX5W7800	FINISH: TICK SIZE: 5.91" X 39.37"
PAINT				
PT-1	WALL PAINT	--	--	OWNER TO SELECT COLOR AND FINISH

FLOOR PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNO.
3. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
4. SEE A5001 FOR DOOR TYPES.
5. GC TO PERFORM LAYOUT OF ENTIRE SPACE PRIOR TO STARTING FRAMING TO FIELD VERIFY DIMENSIONS TO EXISTING STRUCTURE.
6. GC TO ENSURE EXISTING RATED WALLS ARE MAINTAINED.
7. DASHED CIRCLE IN RESTROOM INDICATES 5'-0" TURNING DIAMETER REQUIRED BY ADA.
8. EXTEND FLOORING TO ALL RANGE & REFRIDGERATOR RECESSES.
9. GC TO FIELD VERIFY DIMENSIONS FOR KITCHEN / BATH / CASEWORK / FIXTURES AND APPLIANCES BEFORE ORDERING.
10. VERIFY ALL APPLIANCE DIMENSION SIZES WITH SUPPLIER.
11. ALL LIGHT FIXTURES TO BE REPLACED AT THE SAME LOCATION, WITH NEW LED FIXTURES; REFER TO ELECTRICAL DRAWINGS FOR DEVICE AND LIGHTING DETAILS.

KEYNOTES

#	DESCRIPTION
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
401	PROVIDE NEW VENTILATED SHELVING IN QUANTITIES MATCHING ORIGINAL UNIT SHELVING, INSTALL AT ORIGINAL LOCATION, UNO.
402	PROVIDE NEW HOOD VENT; REF TO MECHANICAL DRAWINGS FOR DETAILS
403	PROVIDE NEW 30" ELECTRIC RANGE
404	PROVIDE WATER CLOSET FIXTURE; REF TO PLUMBING DRAWINGS FOR DETAILS
405	PROVIDE NEW CANVAS CURTAINS AND CURTAIN ROD
406	PROVIDE NEW SOLID SURFACE COUNTERTOPS AND BACKSPLASH
407	PROVIDE NEW CABINETRY
408	PROVIDE NEW 36" GRAB BAR, INSTALL PER MANUFACTURES SPECIFICATIONS
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423	ALIGN FACE OF NEW STUD WALL WITH EXISTING WALL FACE
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425	PROVIDE NEW DOOR, FRAME, AND HARDWARE, INCLUDING DOOR STOP AS APPLICABLE
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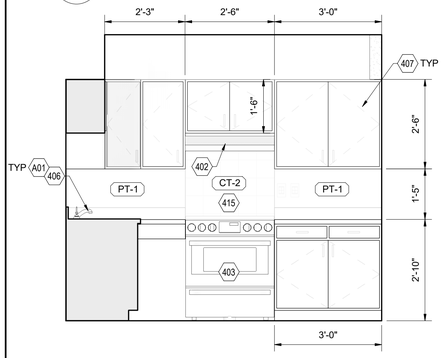
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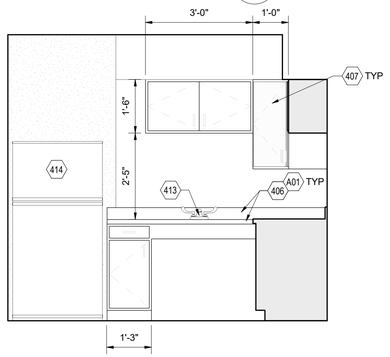
#	DESCRIPTION
A01	PROVIDE NEW LAMINATE COUNTERTOPS AND BACKSPLASH
A02	NO INSULATED METAL STUD CONSTRUCTION OVER EXSITING EXTERIOR WALLS
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A05	REPLACE ALL UNIT INTERIOR DOOR PANELS WITH HOLLOW-CORE WOOD DOORS
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY
A25	NO INSTALLATION OF WATERPROOF LIGHTING AT UNIT SHOWERS TO OCCUR

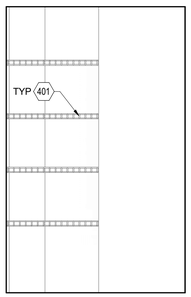
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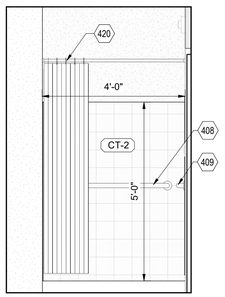
2 UNIT A 504M - ENLARGED FLOOR PLAN
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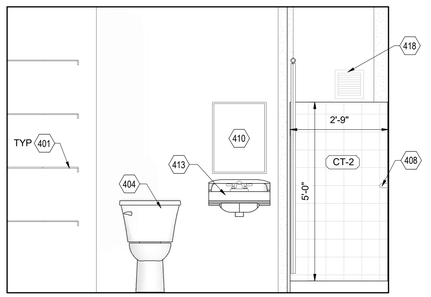
1 UNIT A 504M ENLARGED CEILING PLAN
SCALE: 3/8" = 1'-0"











7 KITCHEN ELEVATION
SCALE: 1/2" = 1'-0"

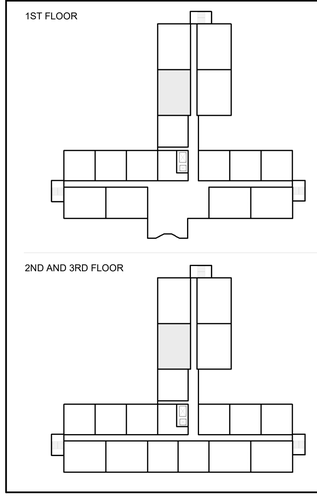
6 KITCHEN ELEVATION
SCALE: 1/2" = 1'-0"

5 BATHROOM ELEVATION
SCALE: 1/2" = 1'-0"

4 BATHROOM ELEVATION
SCALE: 1/2" = 1'-0"

3 BATHROOM ELEVATION
SCALE: 1/2" = 1'-0"

KEYPLAN - UNIT A 504M



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CONSULTANT INFO

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REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	AMA

REVISIONS

REW JOB #	07425
DESIGN BY	Designer
DRAWN BY	Author
CHECK BY	Checker
DATE	07/18/25
SCALE	AS NOTED

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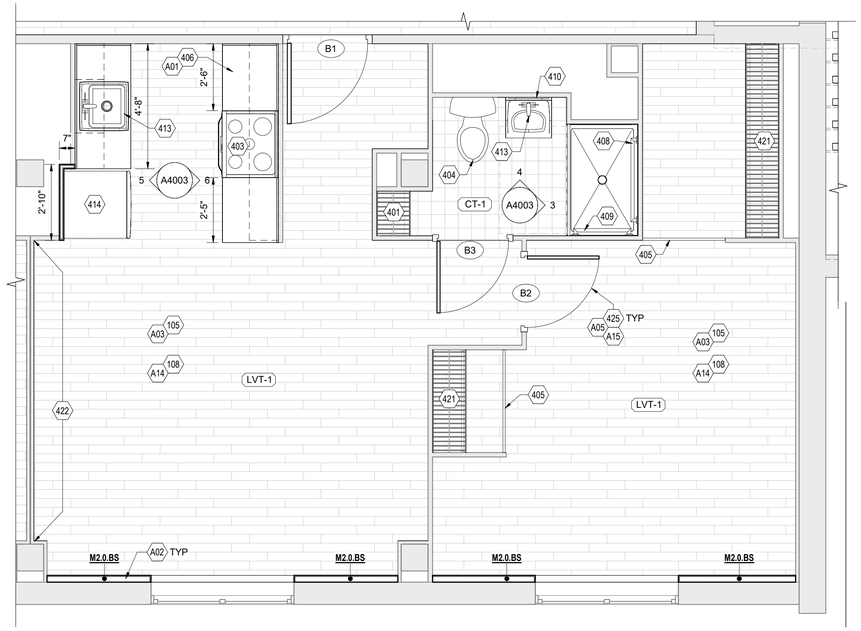
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
UNIT A 504M - ENLARGED PLANS AND INTERIOR ELEVATIONS

DRAWING NUMBER:
A4002

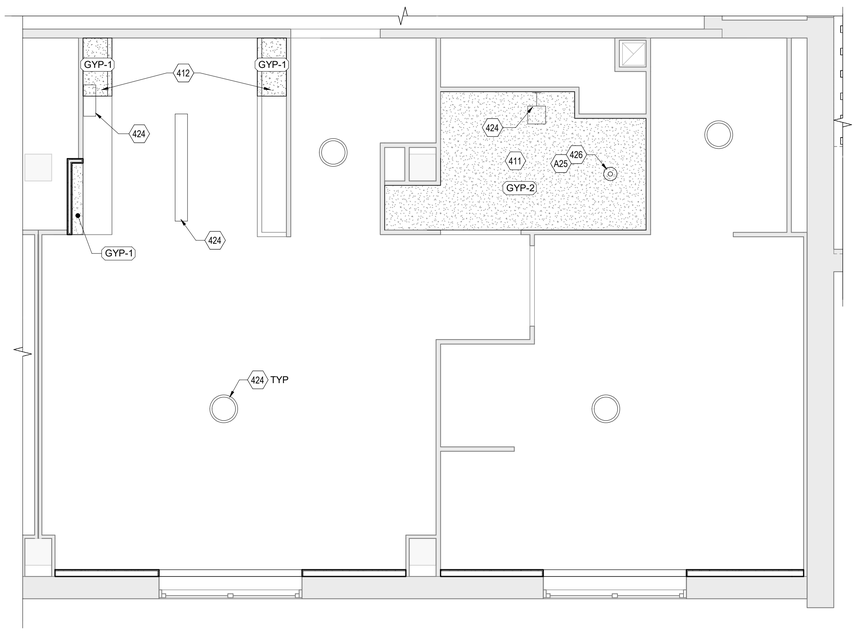
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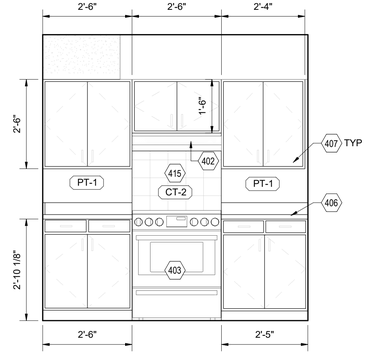
2 - UNIT B ENLARGED FLOOR PLAN

SCALE: 3/8" = 1'-0"



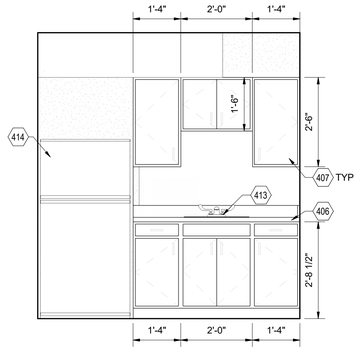
1 - UNIT B ENLARGED CEILING PLAN

SCALE: 3/8" = 1'-0"



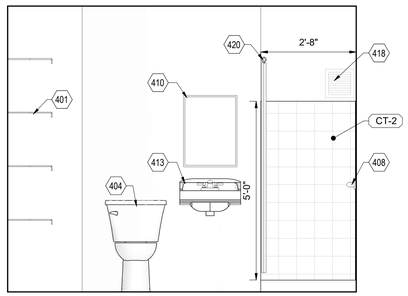
6 - KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



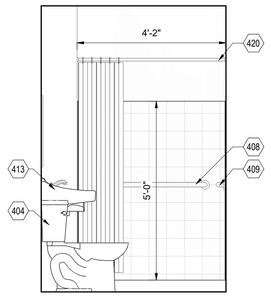
5 - KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



4 - BATHROOM ELEVATION

SCALE: 1/2" = 1'-0"



3 - BATHROOM ELEVATION

SCALE: 1/2" = 1'-0"

UNIT DOOR AND FRAME SCHEDULE

DOOR #	DOOR TYPE	DOOR SIZE WIDTH	DOOR SIZE HT	DOOR SIZE THK	DOOR MAT	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HARDWARE SET	REMARKS
B1	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	1	
B2	F	2'-8"	6'-8"	1 3/8"	WD	PTD	F1	HM	PTD	2	
B3	F	2'-8"	6'-8"	1 3/8"	WD	PTD	F1	HM	PTD	2	

UNIT INTERIOR FINISHES & MATERIALS

TYPE	DESCRIPTION	MANUFACTURER	MODEL/COLOR	REMARKS
CEILING				
GYP-1	GYPSUM CEILING BOARD	SEE SPEC. 092900		
GYP-2	WATER RESISTANT GYPSUM BOARD	SEE SPEC. 092900	-	
CLADDING				
CT-2	CERAMIC WALL TILE			
GYP-1	GYPSUM WALL BOARD	--	-	
FLOORING				
CT-1	CERAMIC TILE FLOORING			
LVT-1	LUXURY VINYL TILE	MANNINGTON	SHIBORI JASMINE - SX5W7800	FINISH: TICK SIZE: 5.91" X 39.37"
PAINT				
PT-1	WALL PAINT	--	--	OWNER TO SELECT COLOR AND FINISH

FLOOR PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNO.
3. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
4. SEE A5001 FOR DOOR TYPES.
5. GC TO PERFORM LAYOUT OF ENTIRE SPACE PRIOR TO STARTING FRAMING TO FIELD VERIFY DIMENSIONS TO EXISTING STRUCTURE.
6. GC TO ENSURE EXISTING RATED WALLS ARE MAINTAINED.
7. DASHED CIRCLE IN RESTROOM INDICATES 5'-0" TURNING DIAMETER REQUIRED BY ADA.
8. EXTEND FLOORING TO ALL RANGE & REFRIDGERATOR RECESSES.
9. GC TO FIELD VERIFY DIMENSIONS FOR KITCHEN / BATH / CASEWORK / FIXTURES AND APPLIANCES BEFORE ORDERING.
10. VERIFY ALL APPLIANCE DIMENSION SIZES WITH SUPPLIER.
11. ALL LIGHT FIXTURES TO BE REPLACED AT THE SAME LOCATION, WITH NEW LED FIXTURES; REFER TO ELECTRICAL DRAWINGS FOR DEVICE AND LIGHTING DETAILS.

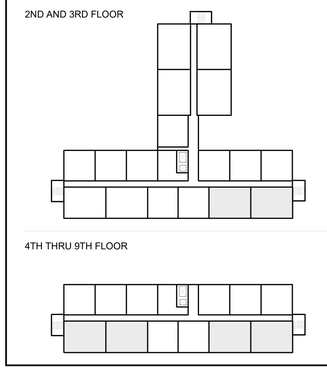
KEYNOTES

#	DESCRIPTION
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
401	PROVIDE NEW VENTILATED SHELVING IN QUANTITIES MATCHING ORIGINAL UNIT SHELVING, INSTALL AT ORIGINAL LOCATION, UNO.
402	PROVIDE NEW HOOD VENT; REF TO MECHANICAL DRAWINGS FOR DETAILS
403	PROVIDE NEW 30" ELECTRIC RANGE
404	PROVIDE WATER CLOSET FIXTURE; REF TO PLUMBING DRAWINGS FOR DETAILS
405	PROVIDE NEW CANVAS CURTAINS AND CURTAIN ROD
406	PROVIDE NEW SOLID SURFACE COUNTERTOPS AND BACKSPLASH
407	PROVIDE NEW CABINETRY
408	PROVIDE NEW 36" GRAB BAR, INSTALL PER MANUFACTURES SPECIFICATIONS
409	PROVIDE NEW 24" GRAB BAR; INSTALL PER MANUFACTURES SPECIFICATIONS
410	PROVIDE NEW 24"W X 18"H MIRROR
411	PROVIDE NEW MOISTURE RESISTANT GYPSUM CEILING
412	PROVIDE NEW GYPSUM SOFFIT
413	PROVIDE NEW SINK AND FAUCET FIXTURES; REF TO PLUMBING DRAWINGS FOR DETAILS
414	PROVIDE NEW 30" REFRIGERATOR
415	PROVIDE NEW CERAMIC TILE GREASE BACKSPLASH
418	VENTILATION GRILLE; SEE MECHANICHAL FOR DETAIL
420	PROVIDE NEW SHOWER CURTAIN ROD
421	PROVIDE NEW VENTILATED SHELVING WITH CURTAIN RODS IN QUANTITIES MATCHING ORIGINAL LOCATION SHELVING, UNO
422	PROVIDE UNIQUE FINISH TO WALL TO MATCH "ACCENT WALL" SELECTED FINISH TO BE PT-2
424	PROVIDE NEW LED FIXTURES AT ORIGINAL FIXTURE LOCATIONS; REF TO ELECTRICAL DRAWINGS FOR DETAILS
425	PROVIDE NEW DOOR, FRAME, AND HARDWARE, INCLUDING DOOR STOP AS APPLICABLE
426	PROVIDE NEW WATERPROOF LED LIGHT FIXTURE AT UNIT SHOWER

ALTERNATE KEYNOTES

#	DESCRIPTION
A01	PROVIDE NEW LAMINATE COUNTERTOPS AND BACKSPLASH
A02	NO INSULATED METAL STUD CONSTRUCTION OVER EXSITING EXTERIOR WALLS
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A05	REPLACE ALL UNIT INTERIOR DOOR PANELS WITH HOLLOW-CORE WOOD DOORS
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY
A25	NO INSTALLATION OF WATERPROOF LIGHTING AT UNIT SHOWERS TO OCCUR

KEYPLAN - UNIT B



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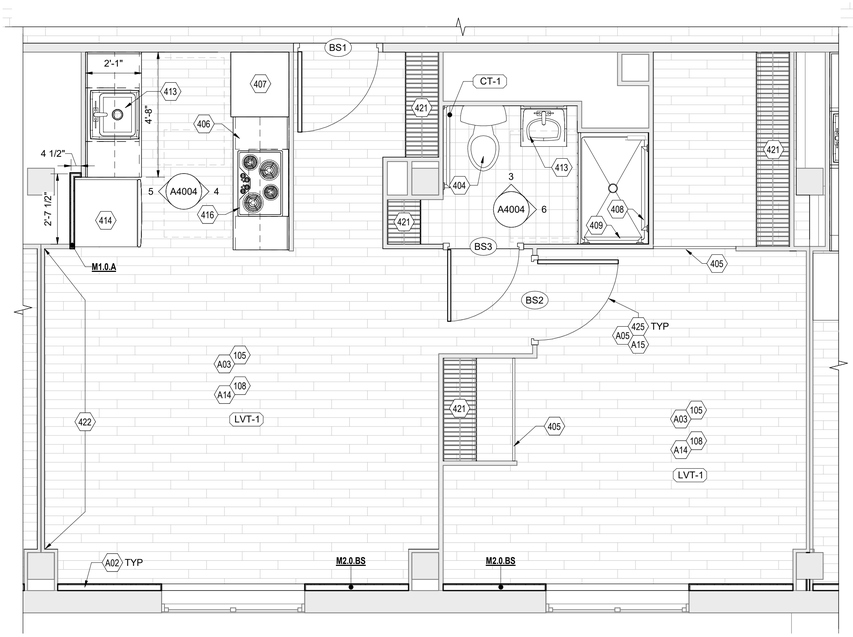
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
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DRAWING TITLE:
UNIT B - ENLARGED PLANS AND INTERIOR ELEVATIONS

DRAWING NUMBER: **A4003**

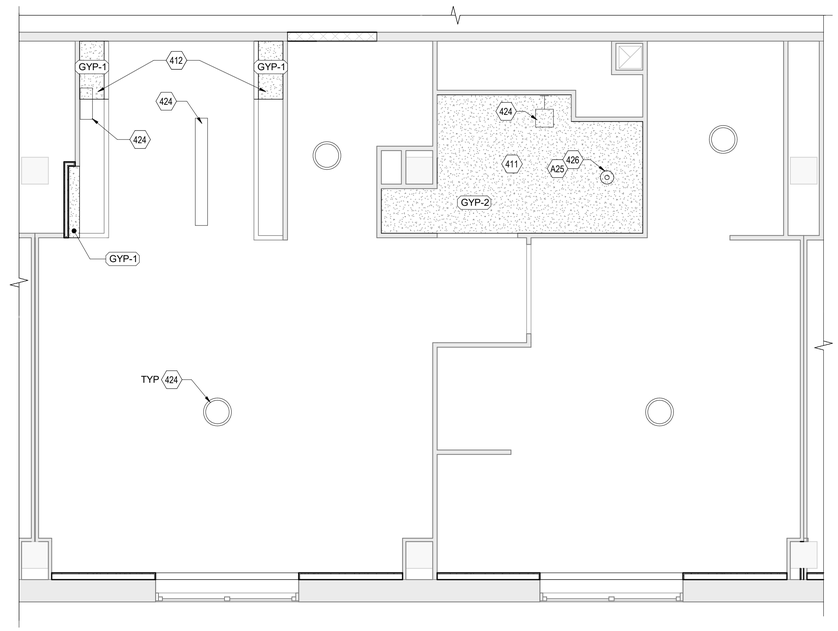
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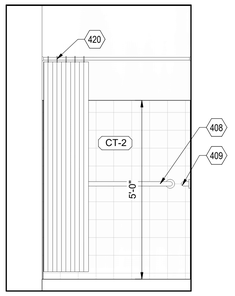
2 - UNIT B 504S ENLARGED FLOOR PLAN

SCALE: 3/8" = 1'-0"



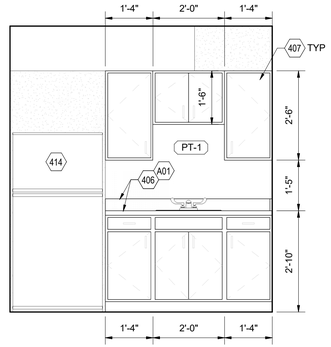
1 - UNIT B 504S ENLARGED CEILING PLAN

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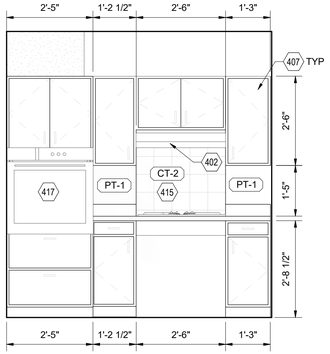
6 - KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



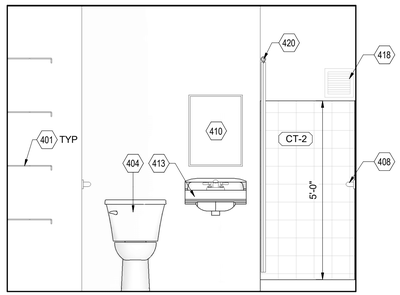
5 - KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



4 - BATHROOM ELEVATION

SCALE: 1/2" = 1'-0"



3 - BATHROOM ELEVATION

SCALE: 1/2" = 1'-0"

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BS1	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	1	
BS2	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	2	
BS3	F	2'-8"	6'-8"	1 3/8"	WD	PTD	F1	HM	PTD	2	

UNIT INTERIOR FINISHES & MATERIALS

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CLADDING				
CT-2	CERAMIC WALL TILE			
GYP-1	GYPSUM WALL BOARD	--	-	
FLOORING				
CT-1	CERAMIC TILE FLOORING			
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PAINT				
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KEYNOTES

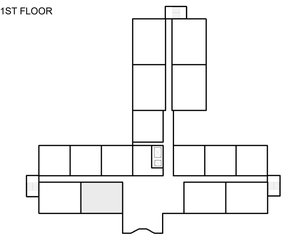
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414	PROVIDE NEW 30" REFRIGERATOR
415	PROVIDE NEW CERAMIC TILE GREASE BACKSPLASH
416	PROVIDE NEW ELECTRIC 30" COOKTOP
417	PROVIDE NEW ELECTRIC 30" WALL OVEN
418	VENTILATION GRILLE; SEE MECHANICHAL FOR DETAIL
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421	PROVIDE NEW VENTILATED SHELVING WITH CURTAIN RODS IN QUANTITIES MATCHING ORIGINAL LOCATION SHELVING, UNO
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426	PROVIDE NEW WATERPROOF LED LIGHT FIXTURE AT UNIT SHOWER

ALTERNATE KEYNOTES

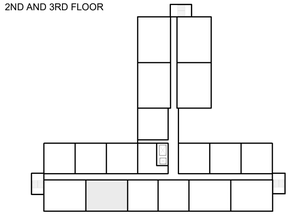
#	DESCRIPTION
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A02	NO INSULATED METAL STUD CONSTRUCTION OVER EXSITING EXTERIOR WALLS
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A05	REPLACE ALL UNIT INTERIOR DOOR PANELS WITH HOLLOW-CORE WOOD DOORS
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY
A25	NO INSTALLATION OF WATERPROOF LIGHTING AT UNIT SHOWERS TO OCCUR

KEYPLAN - UNIT B 504S

1ST FLOOR



2ND AND 3RD FLOOR



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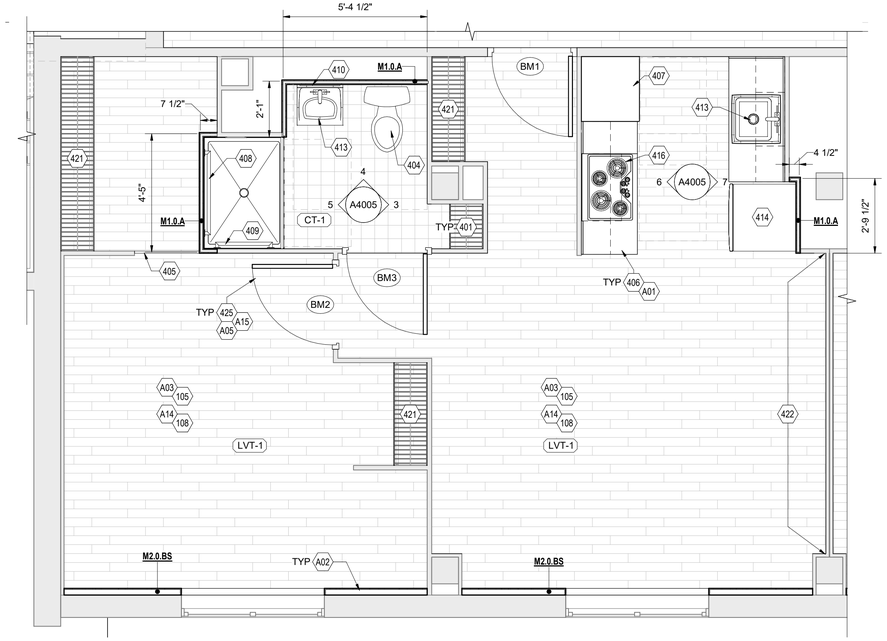
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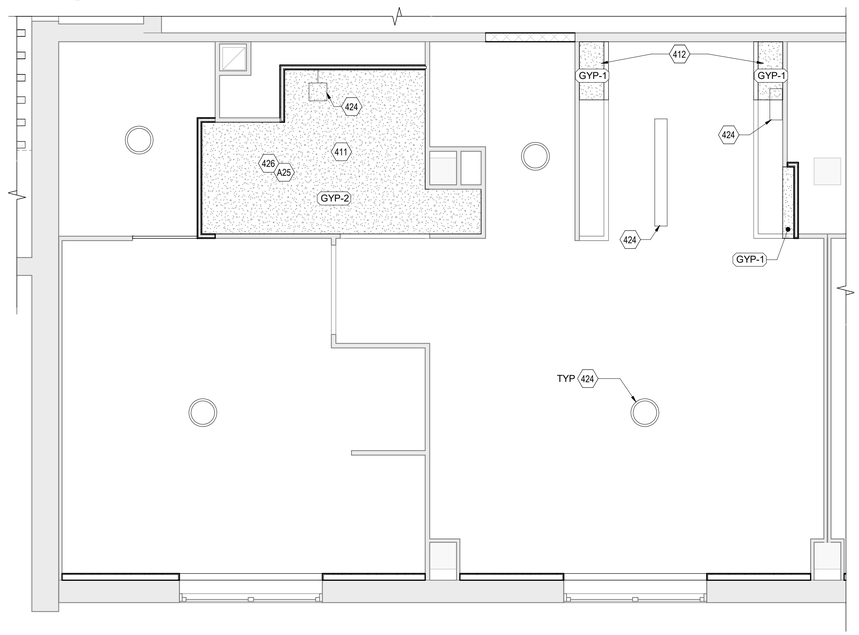
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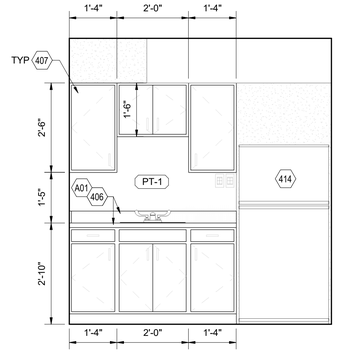
2 UNIT B 504M ENLARGED FLOOR PLAN

SCALE: 3/8" = 1'-0"



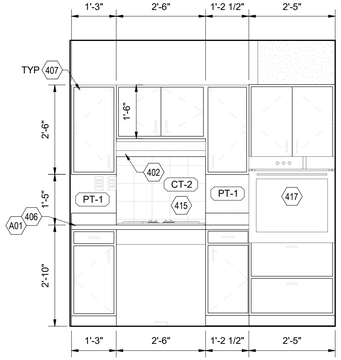
1 UNIT B 504M ENLARGED CEILING PLAN

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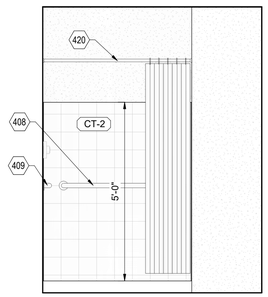
7 KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



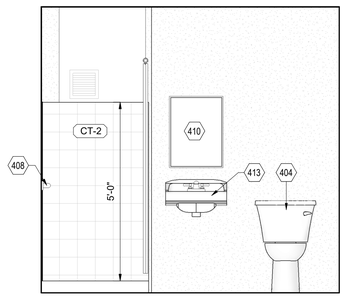
6 KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



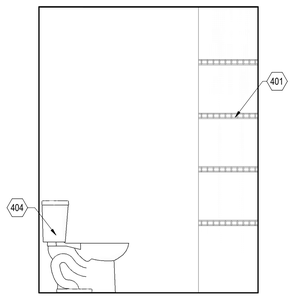
5 BATHROOM ELEVATION

SCALE: 1/2" = 1'-0"



4 BATHROOM ELEVATION

SCALE: 1/2" = 1'-0"



3 BATHROOM ELEVATION

SCALE: 1/2" = 1'-0"

UNIT DOOR AND FRAME SCHEDULE

DOOR #	DOOR TYPE	DOOR SIZE WIDTH	DOOR SIZE HT	DOOR SIZE THK	DOOR MAT	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HARDWARE SET	REMARKS
BM1	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	1	
BM2	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	2	
BM3	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	2	

UNIT INTERIOR FINISHES & MATERIALS

TYPE	DESCRIPTION	MANUFACTURER	MODEL/COLOR	REMARKS
CEILING				
GYP-1	GYPSUM CEILING BOARD	SEE SPEC. 092900		
GYP-2	WATER RESISTANT GYPSUM BOARD	SEE SPEC. 092900	-	
CLADDING				
CT-2	CERAMIC WALL TILE			
GYP-1	GYPSUM WALL BOARD	--	-	
FLOORING				
CT-1	CERAMIC TILE FLOORING			
LVT-1	LUXURY VINYL TILE	MANNINGTON	SHIBORI JASMINE - SX5W7800	FINISH: TICK SIZE: 5.91" X 39.37"
PAINT				
PT-1	WALL PAINT	--	--	OWNER TO SELECT COLOR AND FINISH

FLOOR PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNO.
3. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
4. SEE A5001 FOR DOOR TYPES.
5. GC TO PERFORM LAYOUT OF ENTIRE SPACE PRIOR TO STARTING FRAMING TO FIELD VERIFY DIMENSIONS TO EXISTING STRUCTURE.
6. GC TO ENSURE EXISTING RATED WALLS ARE MAINTAINED.
7. DASHED CIRCLE IN RESTROOM INDICATES 5'-0" TURNING DIAMETER REQUIRED BY ADA.
8. EXTEND FLOORING TO ALL RANGE & REFRIDGERATOR RECESSES.
9. GC TO FIELD VERIFY DIMENSIONS FOR KITCHEN / BATH / CASEWORK / FIXTURES AND APPLIANCES BEFORE ORDERING.
10. VERIFY ALL APPLIANCE DIMENSION SIZES WITH SUPPLIER.
11. ALL LIGHT FIXTURES TO BE REPLACED AT THE SAME LOCATION, WITH NEW LED FIXTURES; REFER TO ELECTRICAL DRAWINGS FOR DEVICE AND LIGHTING DETAILS.

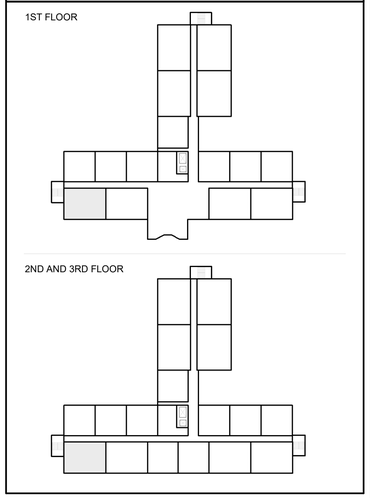
KEYNOTES

#	DESCRIPTION
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
401	PROVIDE NEW VENTILATED SHELVING IN QUANTITIES MATCHING ORIGINAL UNIT SHELVING, INSTALL AT ORIGINAL LOCATION, UNO.
402	PROVIDE NEW HOOD VENT; REF TO MECHANICAL DRAWINGS FOR DETAILS
404	PROVIDE WATER CLOSET FIXTURE; REF TO PLUMBING DRAWINGS FOR DETAILS
405	PROVIDE NEW CANVAS CURTAINS AND CURTAIN ROD
406	PROVIDE NEW SOLID SURFACE COUNTERTOPS AND BACKSPLASH
407	PROVIDE NEW CABINETRY
408	PROVIDE NEW 36" GRAB BAR, INSTALL PER MANUFACTURES SPECIFICATIONS
409	PROVIDE NEW 24" GRAB BAR, INSTALL PER MANUFACTURES SPECIFICATIONS
410	PROVIDE NEW 24"W X 18"H MIRROR
411	PROVIDE NEW MOISTURE RESISTANT GYPSUM CEILING
412	PROVIDE NEW GYPSUM SOFFIT
413	PROVIDE NEW SINK AND FAUCET FIXTURES; REF TO PLUMBING DRAWINGS FOR DETAILS
414	PROVIDE NEW 30" REFRIGERATOR
415	PROVIDE NEW CERAMIC TILE GREASE BACKSPLASH
416	PROVIDE NEW ELECTRIC 30" COOKTOP
417	PROVIDE NEW ELECTRIC 30" WALL OVEN
420	PROVIDE NEW SHOWER CURTAIN ROD
421	PROVIDE NEW VENTILATED SHELVING WITH CURTAIN RODS IN QUANTITIES MATCHING ORIGINAL LOCATION SHELVING, UNO
422	PROVIDE UNIQUE FINISH TO WALL TO MATCH "ACCENT WALL" SELECTED FINISH TO BE PT-2
424	PROVIDE NEW LED FIXTURES AT ORIGINAL FIXTURE LOCATIONS; REF TO ELECTRICAL DRAWINGS FOR DETAILS
425	PROVIDE NEW DOOR, FRAME, AND HARDWARE, INCLUDING DOOR STOP AS APPLICABLE
426	PROVIDE NEW WATERPROOF LED LIGHT FIXTURE AT UNIT SHOWER

ALTERNATE KEYNOTES

#	DESCRIPTION
A01	PROVIDE NEW LAMINATE COUNTERTOPS AND BACKSPLASH
A02	NO INSULATED METAL STUD CONSTRUCTION OVER EXSITING EXTERIOR WALLS
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A05	REPLACE ALL UNIT INTERIOR DOOR PANELS WITH HOLLOW-CORE WOOD DOORS
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY
A25	NO INSTALLATION OF WATERPROOF LIGHTING AT UNIT SHOWERS TO OCCUR

KEYPLAN - UNIT B 504M



NOT FOR CONSTRUCTION

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CONSULTANT INFO

SEALS

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North Olmsted, OH 44070

REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	AMA

REVISIONS

REW JOB #	07425
DESIGN BY	Designer
DRAWN BY	Author
CHECK BY	Checker
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
UNIT B 504M - ENLARGED PLANS AND INTERIOR ELEVATIONS

DRAWING NUMBER: **A4005**

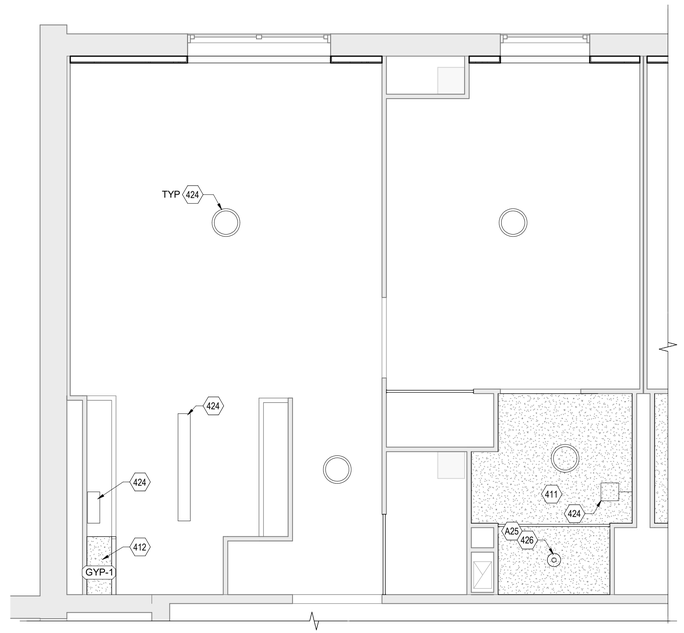
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2 UNIT C ENLARGED FLOOR PLAN

SCALE: 3/8" = 1'-0"



1 UNIT C ENLARGED CEILING PLAN

SCALE: 3/8" = 1'-0"

UNIT DOOR AND FRAME SCHEDULE

DOOR #	DOOR TYPE	DOOR SIZE WIDTH	DOOR SIZE HT	DOOR SIZE THK	DOOR MAT	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HARDWARE SET	REMARKS
C1	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	1	
C2	F	2'-8"	6'-8"	1 3/8"	WD	PTD	F1	HM	PTD	2	
C3	F	2'-8"	6'-8"	1 3/8"	WD	PTD	F1	HM	PTD	2	

UNIT INTERIOR FINISHES & MATERIALS

TYPE	DESCRIPTION	MANUFACTURER	MODEL/COLOR	REMARKS
CEILING				
GYP-1	GYPSUM CEILING BOARD	SEE SPEC. 092900		
CLADDING				
CT-2	CERAMIC WALL TILE			
GYP-1	GYPSUM WALL BOARD	--	-	
FLOORING				
CT-1	CERAMIC TILE FLOORING			
LVT-1	LUXURY VINYL TILE	MANNINGTON	SHIBORI JASMINE - SX5W7800	FINISH: TICK SIZE: 5.91" X 39.37"
PAINT				
PT-1	WALL PAINT	--	--	OWNER TO SELECT COLOR AND FINISH

FLOOR PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNO.
3. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
4. SEE A5001 FOR DOOR TYPES.
5. GC TO PERFORM LAYOUT OF ENTIRE SPACE PRIOR TO STARTING FRAMING TO FIELD VERIFY DIMENSIONS TO EXISTING STRUCTURE.
6. GC TO ENSURE EXISTING RATED WALLS ARE MAINTAINED.
7. DASHED CIRCLE IN RESTROOM INDICATES 5'-0" TURNING DIAMETER REQUIRED BY ADA.
8. EXTEND FLOORING TO ALL RANGE & REFRIDGERATOR RECESSES.
9. GC TO FIELD VERIFY DIMENSIONS FOR KITCHEN / BATH / CASEWORK / FIXTURES AND APPLIANCES BEFORE ORDERING.
10. VERIFY ALL APPLIANCE DIMENSION SIZES WITH SUPPLIER.
11. ALL LIGHT FIXTURES TO BE REPLACED AT THE SAME LOCATION, WITH NEW LED FIXTURES; REFER TO ELECTRICAL DRAWINGS FOR DEVICE AND LIGHTING DETAILS.

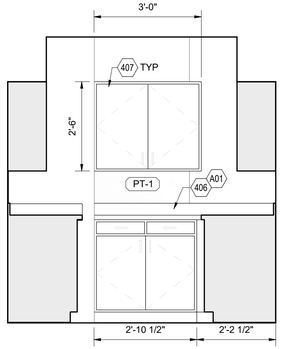
KEYNOTES

#	DESCRIPTION
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
401	PROVIDE NEW VENTILATED SHELVING IN QUANTITIES MATCHING ORIGINAL UNIT SHELVING, INSTALL AT ORIGINAL LOCATION, UNO.
402	PROVIDE NEW HOOD VENT; REF TO MECHANICAL DRAWINGS FOR DETAILS
403	PROVIDE NEW 30" ELECTRIC RANGE
404	PROVIDE WATER CLOSET FIXTURE; REF TO PLUMBING DRAWINGS FOR DETAILS
405	PROVIDE NEW CANVAS CURTAINS AND CURTAIN ROD
406	PROVIDE NEW SOLID SURFACE COUNTERTOPS AND BACKSPLASH
407	PROVIDE NEW CABINETRY
408	PROVIDE NEW 36" GRAB BAR, INSTALL PER MANUFACTURES SPECIFICATIONS
409	PROVIDE NEW 24" GRAB BAR, INSTALL PER MANUFACTURES SPECIFICATIONS
410	PROVIDE NEW 24"W X 18"H MIRROR
411	PROVIDE NEW MOISTURE RESISTANT GYPSUM CEILING
412	PROVIDE NEW GYPSUM SOFFIT
413	PROVIDE NEW SINK AND FAUCET FIXTURES; REF TO PLUMBING DRAWINGS FOR DETAILS
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415	PROVIDE NEW CERAMIC TILE GREASE BACKSPLASH
420	PROVIDE NEW SHOWER CURTAIN ROD
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425	PROVIDE NEW DOOR, FRAME, AND HARDWARE, INCLUDING DOOR STOP AS APPLICABLE
426	PROVIDE NEW WATERPROOF LED LIGHT FIXTURE AT UNIT SHOWER

ALTERNATE KEYNOTES

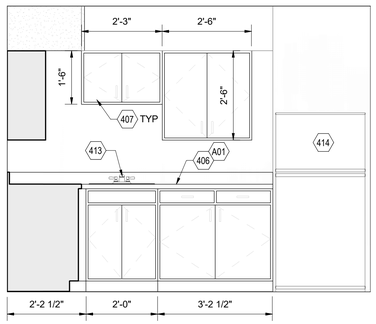
#	DESCRIPTION
A01	PROVIDE NEW LAMINATE COUNTERTOPS AND BACKSPLASH
A02	NO INSULATED METAL STUD CONSTRUCTION OVER EXSITING EXTERIOR WALLS
A03	REPAIR DAMAGED VCT FLOORING AND PROVIDE NEW VINYL FLOORING OVER EXISTING VCT FLOORING TO REMAIN
A14	PROVIDE NEW 4" COVED RUBBER BASE
A25	NO INSTALLATION OF WATERPROOF LIGHTING AT UNIT SHOWERS TO OCCUR

NOT FOR CONSTRUCTION



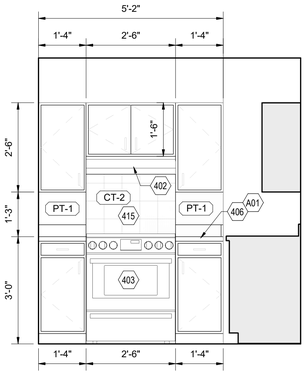
7 KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



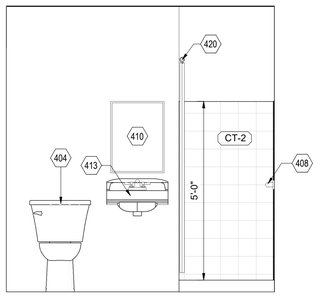
6 KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



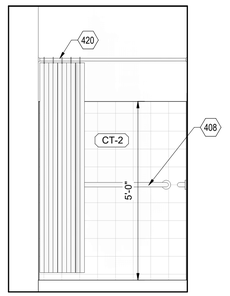
5 KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



4 BATHROOM ELEVATION

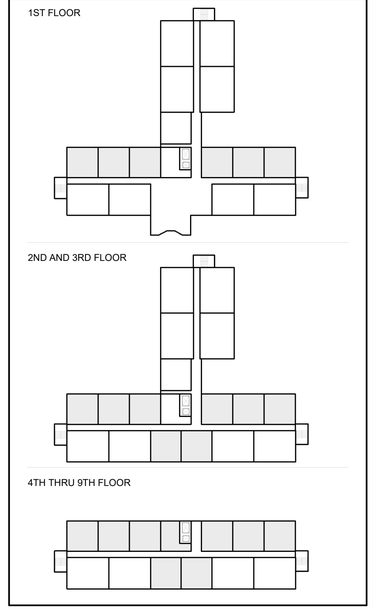
SCALE: 1/2" = 1'-0"



3 BATHROOM ELEVATION

SCALE: 1/2" = 1'-0"

KEYPLAN - UNIT C



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CONSULTANT INFO

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North Olmsted, OH 44070

REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	AMA

REVISIONS

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DESIGN BY	Designer
DRAWN BY	Author
CHECK BY	Checker
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SCALE	AS NOTED

CMHA

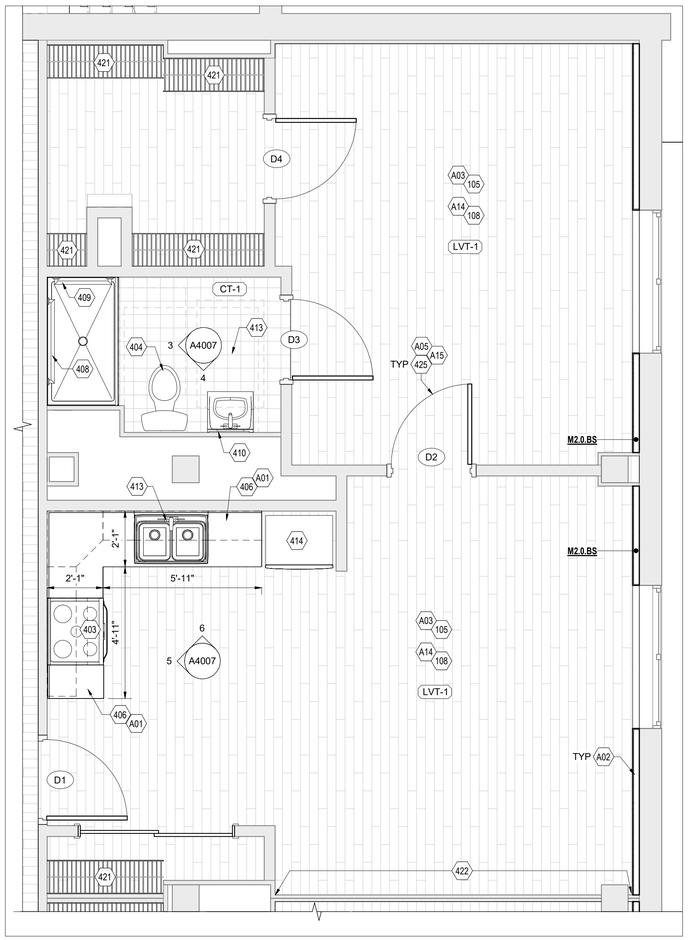
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
UNIT C - ENLARGED PLANS AND INTERIOR ELEVATIONS

DRAWING NUMBER: **A4006**

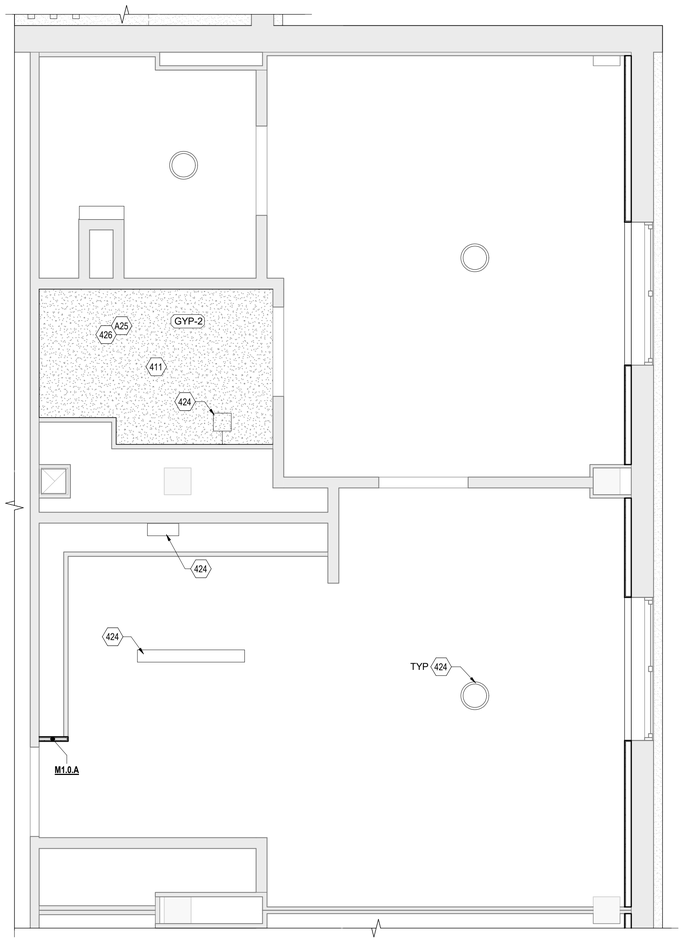
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2 UNIT D 504M ENLARGED FLOOR PLAN

SCALE: 3/8" = 1'-0"



1 UNIT D 504M ENLARGED CEILING PLAN

SCALE: 3/8" = 1'-0"

UNIT DOOR AND FRAME SCHEDULE

DOOR #	DOOR						FRAME			HARDWARE SET	REMARKS
	TYPE	SIZE WIDTH	SIZE HT	SIZE THK	MAT	FINISH	TYPE	MATERIAL	FINISH		
D1	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	1	
D2	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	2	
D3	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	2	
D4	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	2	

UNIT INTERIOR FINISHES & MATERIALS

TYPE	DESCRIPTION	MANUFACTURER	MODEL/COLOR	REMARKS
CEILING				
GYP-1	GYPSUM CEILING BOARD	SEE SPEC. 092900		
GYP-2	WATER RESISTANT GYPSUM BOARD	SEE SPEC. 092900	-	
CLADDING				
CT-2	CERAMIC WALL TILE			
GYP-1	GYPSUM WALL BOARD	--	-	
FLOORING				
CT-1	CERAMIC TILE FLOORING			
LVT-1	LUXURY VINYL TILE	MANNINGTON	SHIBORI JASMINE - SX5W7800	FINISH: TICK SIZE: 5.91" X 39.37"
PAINT				
PT-1	WALL PAINT	--	--	OWNER TO SELECT COLOR AND FINISH

FLOOR PLAN GENERAL NOTES

1. SEE SHEET A5001 FOR PARTITION TYPE DETAILS.
2. ALL DIMENSIONS ARE TO FACE OF FRAMING, OR CENTERLINE OF STRUCTURE UNO.
3. INTERIOR DOORS ARE OFFSET 4" FROM PERPENDICULAR WALL UNO.
4. SEE A5001 FOR DOOR TYPES.
5. GC TO PERFORM LAYOUT OF ENTIRE SPACE PRIOR TO STARTING FRAMING TO FIELD VERIFY DIMENSIONS TO EXISTING STRUCTURE.
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10. VERIFY ALL APPLIANCE DIMENSION SIZES WITH SUPPLIER.
11. ALL LIGHT FIXTURES TO BE REPLACED AT THE SAME LOCATION, WITH NEW LED FIXTURES; REFER TO ELECTRICAL DRAWINGS FOR DEVICE AND LIGHTING DETAILS.
12. FOR HARDWARE SETS SEE SPECIFICATION SECTION 087111, DOOR HARDWARE.

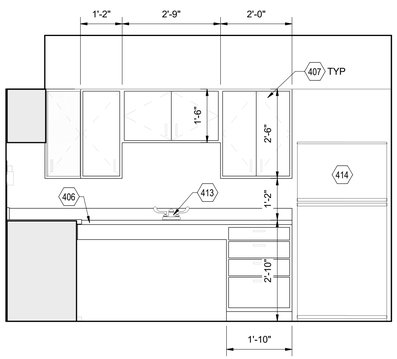
KEYNOTES

#	DESCRIPTION
105	PROVIDE NEW LVT FLOORING AT ALL AREAS WHERE FLOORING EXISTING FLOORING HAS BEEN REMOVED, UNO
108	PROVIDE NEW PAINTED WOOD BASE WITH TOLD MOLD THROUGHOUT, UNO
402	PROVIDE NEW HOOD VENT; REF TO MECHANICAL DRAWINGS FOR DETAILS
403	PROVIDE NEW 30" ELECTRIC RANGE
404	PROVIDE WATER CLOSET FIXTURE; REF TO PLUMBING DRAWINGS FOR DETAILS
406	PROVIDE NEW SOLID SURFACE COUNTERTOPS AND BACKSPLASH
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425	PROVIDE NEW DOOR, FRAME, AND HARDWARE; INCLUDING DOOR STOP AS APPLICABLE
426	PROVIDE NEW WATERPROOF LED LIGHT FIXTURE AT UNIT SHOWER

ALTERNATE KEYNOTES

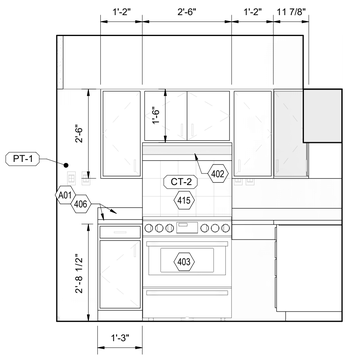
#	DESCRIPTION
A01	PROVIDE NEW LAMINATE COUNTERTOPS AND BACKSPLASH
A02	NO INSULATED METAL STUD CONSTRUCTION OVER EXSITING EXTERIOR WALLS
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A05	REPLACE ALL UNIT INTERIOR DOOR PANELS WITH HOLLOW-CORE WOOD DOORS
A14	PROVIDE NEW 4" COVED RUBBER BASE
A15	REPAIR AND REFINISH EXISTING METAL DOOR FRAMES AT ALL INTERIOR DOORS, ENSURE HARDWARE COMPATIBILITY
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NOT FOR CONSTRUCTION



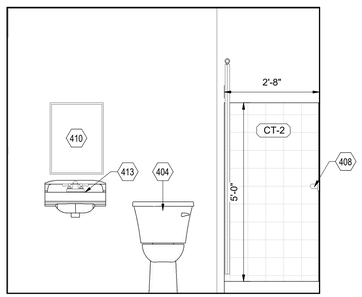
6 A4007 KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



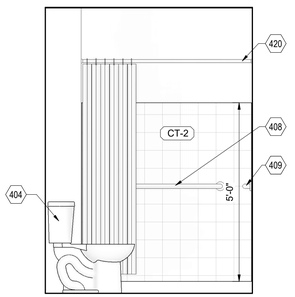
5 A4007 KITCHEN ELEVATION

SCALE: 1/2" = 1'-0"



4 A4007 BATHROOM ELEVATION

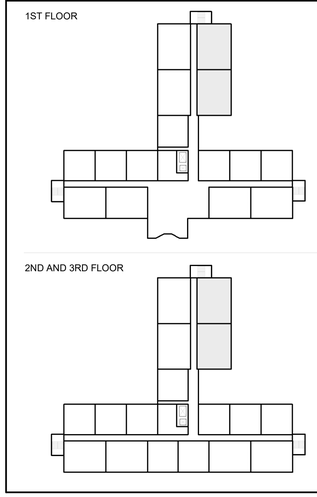
SCALE: 1/2" = 1'-0"



3 A4007 BATHROOM ELEVATION

SCALE: 1/2" = 1'-0"

KEYPLAN - UNIT D 504M



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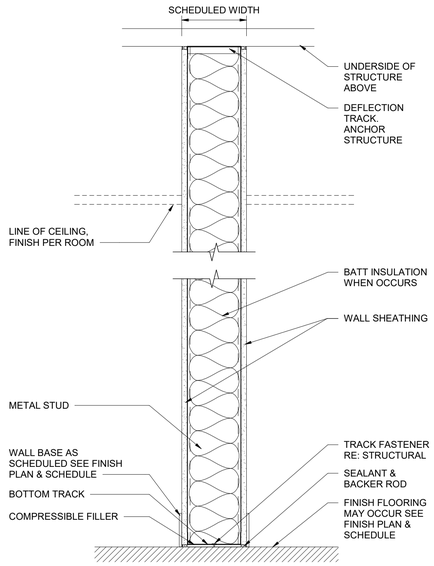
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE:
UNIT D 504M - ENLARGED PLANS AND INTERIOR ELEVATIONS

DRAWING NUMBER: **A4007**

REV: **0**

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PARTITION TYPE "M"

M#.0.A	1/2" GYPSUM BOARD BOTH SIDES OF METAL STUDS @ 16" OC, GYPSUM TO BOTTOM OF STUCTURE
M#.1.A	5/8" GYPSUM BOARD BOTH SIDES OF METAL STUDS @ 16" OC, GYPSUM TO BOTTOM OF STUCTURE
M#.0.B	1/2" GYPSUM BOARD BOTH SIDES OF METAL STUDS @ 16" OC WITH POLY-ISO INSULATION, MEETING AN R-VALUE OF R-13 OR GREATER

PARTITION TYPE LEGEND

WALL TYPE TAG, CODED:



* NOMINAL WIDTH FOR METAL STUDS, MASONRY & WOOD STUDS.

WALL TYPE:

B	MASONRY WALL
C	CONCRETE WALL
G	GLAZED PARITION
F	FRAMED GLASS PARTITION
M	METAL STUD FRAMING OR CHANNEL PARTITION
S	SHAFT WALL
W	WOOD STUD FRAMED PARTITION

CORE WIDTH (INCHES):

0	7/8" METAL FURRING STRIP
1	1-5/8" METAL STUDS OR 1-1/2" HAT CHANNELS
2	2-1/2" METAL STUDS OR 2-1/2" FURRING CHANNELS
3	3-5/8" METAL STUDS
4	4" METAL STUDS, OR 2X4 WOOD STUDS, OR 4" CMU
6	6" METAL STUDS, OR 2X6 WOOD STUDS, OR 6" CMU
8	8" METAL STUDS OR 8" CMU
10	10" CMU
12	12" METAL STUD OR 12" CMU

FIRE RATING (IF APPLICABLE):

0	NON RATED PARTITION
1	1-HOUR (OR LESS) - RATED PARTITION
2	2-HOUR-RATED PARTITION
3	3-HOUR RATED PARTITION
4	4-HOUR RATED PARTITION

PARTITION TYPE GENERAL NOTES

1. FIELD VERIFY ALL DIMENSIONS. DIMENSIONS ARE TO FACE OF METAL STUD, UNLESS NOTED OTHERWISE.
2. ANY PARTITIONS TO BE BUILT TO DECK SHALL ENCOMPASS ANY STRUCTURE SUCH AS JOISTS AND BEAMS THAT MAY NEED TO BE FRAMED OUT TO PROVIDE DRYWALL TO DECK. ALL PENETRATIONS AND FLUTES IN DECK SHALL BE SEALED AS REQUIRED.
3. PROVIDE BRACING PER MANUFACTURER RECOMMENDATIONS OF ALL PARTITIONS THAT DO NOT EXTEND FULL HEIGHT TO UNDERSIDE OF STRUCTURE ABOVE.
4. AT ALL FRAMING THAT EXTENDS FROM SLAB TO STRUCTURE ABOVE, PROVIDE A GALVANIZED STEEL SHEET DEEP LEG DEFLECTION TRACK (18 GA), 'SLP-TRK' BY SLIPTRACK SYSTEMS, INC. SECURE TO STRUCTURE WITH FASTENERS AT 2'-0" OC MAXIMUM. DO NOT SECURE TRACK TO VERTICAL STUDS. PROVIDE MINIMUM 1 1/2" TO TOP OF STUD. (SEE DETAILS ON SHEET).
5. ALL BOTTOM TRACK RUNNERS TO BE HELD IN PLACE WITH FASTENERS AT 2'-0" OC MAX WITH HILTI POWER DRIVER ANCHOR ICBO #2388, 0.145" DIA SHANK WITH 1 1/8" MIN PENETRATION. (SEE DETAILS ON SHEET)
6. PROVIDE HORIZONTAL BRIDGING IN ALL PARTITION FRAMING AT A MAXIMUM OF 6'-0" OC VERTICALLY. GC TO VERIFY WITH METAL STUD MANUFACTURER TO DETERMINE IF HORIZONTAL BRIDGING IS REQUIRED FOR METAL STUD PARTITION WALLS WITH GYP BOARD ON BOTH SIDES THAT EXTEND FROM FINISH FLOOR TO BOTTOM OF METAL DECK ABOVE. (SEE DETAIL ON THIS SHEET)
7. PROVIDE VERTICAL CONTROL JOINTS @ 30'-0" OC MAX.
8. ALL GYPSUM BOARD IS TO BE 5/8" THICK UNLESS NOTED OTHERWISE. PROVIDE TYPE 'X' GYPSUM BOARD AT ALL FIRE RATED PARTITIONS.
9. METAL STUD NON-STRUCTURAL WALL SYSTEMS TO FOLLOW ASTM C754 & ASTM 645.
10. WATER RESISTANT GYPSUM BOARD TO BE 5/8" 'DENS-ARMOR PLUS' OR EQUAL COMPLYING WITH ASTM C1178, C1288, OR C1325. PROVIDE AT PARTITIONS ADJACENT TO PLUMBING FIXTURES.
11. TAPE, MUD, AND SAND GYPSUM BOARD SMOOTH READY FOR FINISHES AT INTERIOR FACE OF ALL GYPSUM BOARD SURFACES - PROVIDE ASTM C840 LEVEL 4 FINISH UNO.
12. UNIFORM LOAD AT CEILINGS IS 10 PSF.
13. UNIFORM LOAD AT PARTITION IS 5 PSF WITH ALLOWABLE DEFLECTION OF L/240.
14. PROVIDE ACOUSTICAL SEALANT AT THE CONNECTION OF ALL GYPSUM BOARD TO DECK OR SLAB CONDITIONS. HOLD GYPSUM BOARD 3/8" OFF STRUCTURE FOR SEALANT.
15. INFORMATION PROVIDED ON THIS SHEET IS FOR INTERIOR STUDS ONLY. FOLLOW STRUCTURAL DRAWINGS FOR EXTERIOR WALL STUDS & STUDS SEPERATING THE CAR WASH TUNNEL FROM EQUIPMENT ROOM / OFFICE SPACES.
16. WHERE "SEALANT" IS INDICATED ON PARTITION TYPES, PROVIDE ACOUSTIC (SOUND) SEALANT AT BOTH SIDES OF NON-RATED PARTITIONS & UNDER TOP AND BOTTOM OF TRACKS. PROVIDE FIRE-RATED SEALANT ON BOTH SIDES OF FIRE-RATED PARTITIONS, AS REQUIRED BY FIRE RATING U.L. ASSEMBLY NUMBER.
17. PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACK-UP PLATES, AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK AND OF ALL FLOOR MOUNTED OR SUSPENDED MECHANICAL OR ELECTRICAL EQUIPMENT.
18. WHERE HVAC OR OTHER MECHANICAL, ELECTRICAL AND PLUMBING ITEMS PENETRATE PARTITIONS, STUDS SHALL BE BRACED AND FRAMED TO STRUCTURE AS REQUIRED TO PROVIDE ADEQUATE SUPPORT. ALL PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED TO PROVIDE FIRE, SMOKE, AND/OR ACOUSTICAL ISOLATION OF SPACES WITH APPROPRIATE FIRESTOP MATERIAL.

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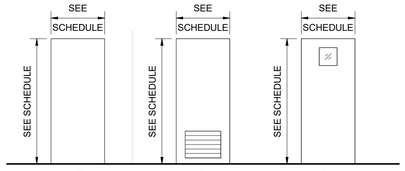
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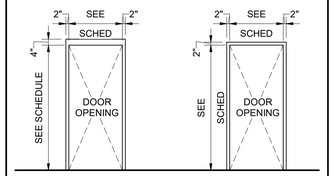
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DOOR PANEL TYPES



DOOR FRAME TYPES



DOOR AND FRAME SCHEDULE

DOOR #	DOOR						FRAME			HARDWARE SET	FIRE RATING	REMARKS
	TYPE	SIZE			MATERIAL	FINISH	TYPE	MATERIAL	FINISH			
		WIDTH	HEIGHT	THICKNESS								
001	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	
002	F	2'-8"	6'-8"	1 3/8"	WD	PTD	F1	HM	PTD	5	1	
003A	F	(2) 3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	6	0	
003B	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
005	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
006	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
007	F	2'-6"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
009	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
011	F	2'-6"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
012	F	(2) 2'-6"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	6	0	
014	F	2'-6"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
015	F	2'-6"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
016	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	
017	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
018	F	2'-4"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	4	0	
019	F	2'-4"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	4	0	
020	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	7	0	
022	F	2'-4"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
024	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
025	F	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
102	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	0	
104A	V	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	
104B	V	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	
105	F	2'-8"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	0	
106	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
107	F	2'-8"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	2	0	
108	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
109	L	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
110	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	0	
111	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
112	F	2'-4"	6'-8"	1 3/8"	WD	PTD	F1	HM	PTD	5	0	
113	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
115A	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	
115B	V	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	
116	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
117	F	2'-0"	6'-8"	1 3/8"	WD	PTD	F1	HM	PTD	2	0	
118	F	2'-0"	6'-8"	1 3/8"	WD	PTD	F1	HM	PTD	7	0	
201A	V	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	TYPICAL 2ND AND 3RD FLOOR
201B	V	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	TYPICAL 2ND AND 3RD FLOOR
202	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	TYPICAL 2ND AND 3RD FLOOR
203	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	TYPICAL 2ND AND 3RD FLOOR
205	V	3'-0"	6'-8"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	TYPICAL 2ND AND 3RD FLOOR
401A	V	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	TYPICAL 4TH THRU 8TH FLOOR
401B	V	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	TYPICAL 4TH THRU 8TH FLOOR
402	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	4	0	TYPICAL 4TH THRU 8TH FLOOR
403	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	4	0	TYPICAL 4TH THRU 8TH FLOOR
901A	V	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	
901B	V	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	3	2	
902	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	
903	F	3'-0"	7'-0"	1 3/4"	WD	PTD	F1	HM	PTD	5	0	

DOOR / HARDWARE GENERAL NOTES

1. HARDWARE TYPES AND REQUIREMENTS SHALL BE COORDINATED WITH OWNER.
2. ALL HARDWARE FINISH SHALL BE COORDINATED WITH OWNER TO MATCH EXISTING.
3. ALL DOORS TO RECIEIVE NEW HARDWARE TO CLOSELY MATCH EXISTING.
4. INTERIOR DOORS TO RECEIVE LEVER-STYLE HARDWARE IN ACCORDANCE WITH OFHA STANDARDS, AND NEW METAL DOOR FRAMES.
5. ALL EXISTING DOOR STOPS TO RECEIVE NEW DOOR STOP HARDWARE.
6. REFER TO DRAWING SPECIFICATIONS FOR HARDWARE SET DETAILS AND INFORMATION.

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DRAWING TITLE: DOOR SCHEDULE

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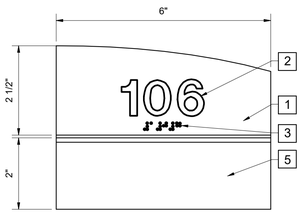
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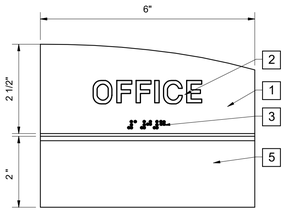
SIGNAGE NOTES

1. FLAT BED PRINTED ACRYLIC PANEL, PATTERN TO BE SELECTED BY ARCHITECT.
2. 3D PRINTED RAISED LETTERS AND NUMBERS.
3. GRADE 2 BRAILLE
4. FLAT BED PRITED OR PAINTED LINE
5. SOLID PAINTED ACRILIC PANEL, COLOR TO BE SELECTED BY ARCHITECT.
6. PICTOGRAM VARIES PER ROOM, COORDINATE WITH SUBMITTAL
7. 6"W X 2"H EXTRUDED ALUMINUM INSERT SLOT ADHERED TO FACE OF ACRYLIC PANEL.
8. ALL EXPOSED DRYWALL SURFACES TO BE FINISH LEVEL 4, UNO
9. SIGNAGE MOUNTING HEIGHT 48" MIN - 60" MAX.

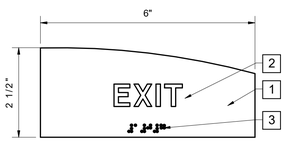
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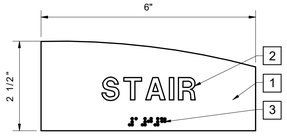
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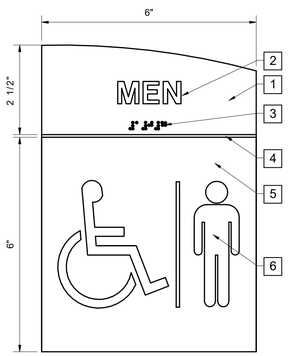
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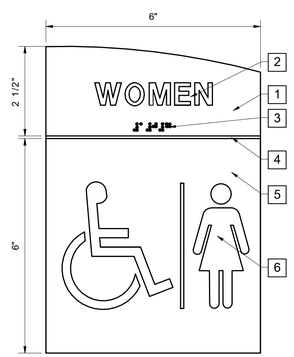
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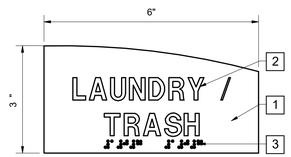
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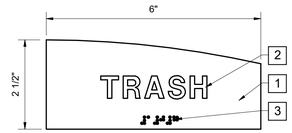
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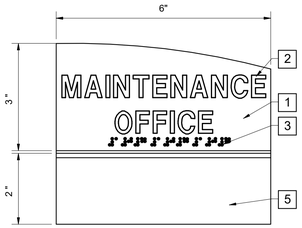
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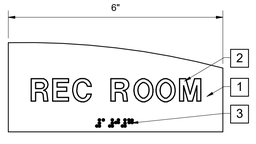
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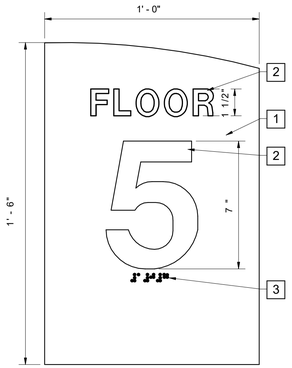
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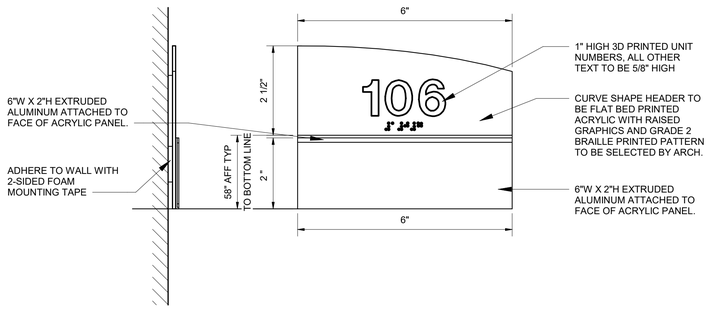
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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVENUE,
CINCINNATI, OH 45229

DRAWING TITLE: SIGNAGE

DRAWING NUMBER: **A5041**

REV: **0**

7/17/2025 3:50:36 PM

GENERAL CONTRACT SPECIFICATIONS

1. EXCEPT AS SPECIFIED TO THE CONTRARY, THIS CONTRACT SHALL INCLUDE THE FURNISHING, INSTALLING, CONNECTING, AND OPERATION OF ALL EQUIPMENT WHICH IS A PART OF THE BUILDING UTILITY PIPING SYSTEMS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY SIMILAR INSTALLATIONS. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO PROVIDE THE OWNER COMPLETE, CODE APPROVED AND OPERATIONAL SYSTEMS.
2. CONTRACTOR SHALL CAREFULLY EXAMINE AND COMPREHEND THE ENTIRE BID PACKAGE.
3. THIS CONTRACT SHALL ALSO INCLUDE ALL LABOR, MATERIALS AND MISCELLANEOUS EXPENSES FOR ALL REQUIRED MECHANICAL DEMOLITION OF THE EXISTING AREAS BEING RENOVATED. THE DEMOLITION SHALL CONSIST OF THE COMPLETE REMOVAL (PROPERLY DISPOSED OFF SITE UNLESS OTHERWISE NOTED) OF ALL EQUIPMENT, PIPING, DUCTWORK, MATERIALS, ETC. NOT REQUIRED IN THE FINAL DESIGN AND INSTALLATION. COORDINATE ALL DEMOLITION WITH THE OWNER'S AND BUILDING MANAGER'S GENERAL REQUIREMENTS.
4. ANY INCIDENTAL ITEMS OR LABOR, ETC. NOT INCLUDED IN THE SPECIFICATIONS OR THE DRAWINGS BUT REASONABLY IMPLIED AS NECESSARY FOR THE COMPLETE INSTALLATION OF ALL APPARATUS ARE TO BE FURNISHED WITHOUT ADDITIONAL COST. THE QUESTION AS TO WHETHER THE ITEM OR ITEMS ARE INCIDENTAL SHALL IN ALL CASES BE LEFT TO THE JUDGEMENT OF THE OWNER.
5. ALL WORK SHALL BE IN CONFORMANCE WITH THE LATEST EDITIONS OF ALL FEDERAL, STATE AND LOCAL CODES, ORDINANCES AND JURISDICTIONS INCLUDING BUT NOT LIMITED TO THE:
   A. 2024 OHIO BUILDING CODE
   B. 2024 OHIO PLUMBING CODE
   C. REFERENCED AND INDUSTRIAL STANDARDS INCLUDING:
      C1. NFPA
      C2. OSHA
      C3. ASHRAE
      C4. ACGIH
   D. OWNER/PLANT STANDARDS - COORDINATE WITH OWNER REQUIREMENTS IN ADDITION TO THOSE SPECIFIED HEREIN.
6. CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY LICENSES, PERMITS, INSPECTIONS AND CERTIFICATES REQUIRED TO PROCEED WITH THE WORK. IF AND WHERE APPLICABLE, THIS SHALL INCLUDE ALL REQUIRED COORDINATION WITH THE LOCAL UTILITY COMPANIES AND THEIR ASSOCIATED FEES OR COSTS.
7. INSTALLATION OF ALL EQUIPMENT SHALL COMPLY WITH THE MANUFACTURER'S INSTALLATION MANUALS, REQUIREMENTS AND ANY ADDITIONAL GUIDELINES INDICATED ON THE PLANS OR SPECIFIED HEREIN. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL ACCESSORIES REQUIRED TO COMPLETE THE INSTALLATIONS.
8. SHOP DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF ALL EQUIPMENT AND ACCESSORIES PROVIDED FOR THE PROJECT WHETHER SPECIFIED HERE-IN OR ON THE DRAWINGS. REVIEW OF THE SHOP DRAWINGS SHALL BE FOR GENERAL DESIGN CONCEPT AND ADHERENCE WITH THE SPECIFICATIONS. SUBMITTALS SHALL INCLUDE THE FOLLOWING:
   A. EQUIPMENT
   C. VALVES SPECIALTIES
   E. PIPING INSULATION
   F. PIPE MARKERS
9. WHERE ONE OR MORE NAMES OF MANUFACTURERS ARE MENTIONED, ANY ONE MAY BE UTILIZED. IF CONTRACTOR INTENDS TO SUBSTITUTE ANY EQUIPMENT AS TO TYPE AND/OR MANUFACTURER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN-WRITING WITH REASONS FOR SUBSTITUTIONS SEVEN (7) DAYS PRIOR TO BID DUE DATE. AFTERWARDS, NO SUBSTITUTIONS WILL BE CONSIDERED.
10. ALL MATERIALS AND METHODS SPECIFIED HEREIN SHALL BE MINIMUM. IF A CONFLICT OCCURS, THE ENGINEER SHALL RESOLVE SUCH CONFLICT WITH THE CONTRACTOR CONFORMING TO THE ENGINEER'S DECISION.
11. THIS CONTRACT SHALL INCLUDE A VISIT TO THE JOB SITE AND TAKE INTO CONSIDERATION EXISTING MECHANICAL AND ELECTRICAL SYSTEMS. RELOCATE EXISTING DUCTWORK, PIPING AND EQUIPMENT AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
12. ALL EXISTING UTILITY AND MECHANICAL SERVICES SHALL BE FIELD VERIFIED. CORRECTIONS TO THE DESIGN AND INSTALLATION SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
13. CONTRACTOR SHALL VERIFY THAT ALL NEW PIPE PENETRATIONS THROUGH RATED ASSEMBLIES MEET APPROPRIATE CODE REQUIRED FIRESTOPPING REQUIREMENTS. COORDINATE LOCATIONS AND TYPES OF FIRESTOPPING MATERIALS WITH THE GENERAL CONTRACTOR.
14. EQUIPMENT, PIPING, ETC. SHALL NOT BE SUPPORTED FROM ANY CEILINGS, OTHER PIPING, CONDUIT, DUCTWORK, ROOF DECK, OR JOIST BRIDGING. ITEMS SHALL BE SUPPORTED FROM ACCEPTABLE STRUCTURAL BUILDING COMPONENTS AS DETERMINED BY THE ENGINEER AND INDUSTRY STANDARDS.
15. AFTER THE BALANCING AND ACCEPTANCE TESTS ARE COMPLETED AND ACCEPTED BY THE ENGINEER AND OWNER, AS-BUILT DOCUMENTATION SHALL BE PROVIDED. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO ACCURATE PLAN DRAWINGS, OPERATION AND MAINTENANCE MANUALS, SYSTEM AND CONTROL SCHEMATICS, WRITTEN SEQUENCE OF OPERATION, AND ALL FACTORY AND FIELD WIRING DIAGRAMS.
16. CONTRACTOR SHALL PROVIDE TRAINING OF THE SYSTEMS AND EQUIPMENT TO DESIGNATED PERSONNEL AND SHALL INCLUDE OPERATION AND MAINTENANCE MANUALS IN BOUND FORM PRIOR TO CONTRACT CLOSE-OUT.
17. SYSTEM PERFORMANCE AND ALL LABOR AND MATERIALS SHALL BE GUARANTEED PER OEM AND FOR ONE (1) YEAR AFTER ACCEPTANCE BY THE ENGINEER AND OWNER.

PIPING GENERAL NOTES:

1. CONTRACTOR SHALL PERFORM ALL WORK IN A MANNER CONFORMING TO THE BEST WORKMANSHIP, THE CONSTRUCTION DRAWINGS, CONSTRUCTION SPECIFICATIONS AND TO ALL GOVERNING CODES, LATEST EDITION (LOCAL, STATE AND FEDERAL).
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS. THE CONTRACTOR SHALL FIELD VERIFY ANY DIMENSIONS AND ELEVATIONS AS NOTED ON THE DRAWINGS OR AS MAY BE REQUIRED, PRIOR TO CONSTRUCTION, TO MINIMIZE FIELD CHANGES. ALL EXISTING ELEVATIONS, DIMENSIONS, PIPE SERVICES, LINE SIZES, LOCATIONS AND CONDITIONS TO BE FIELD VERIFIED PRIOR TO ANY TIE-INS, FABRICATION AND/OR ERECTION OF ALL PIPING AND PIPE SUPPORTS. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY INCONSISTENCIES BETWEEN THE DRAWINGS AND THE FIELD CONDITIONS THAT COULD AFFECT THE CONSTRUCTION.
3. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE WORK AREA AND SURROUNDING PREMISES FREE OF WASTE, SURPLUS MATERIALS, RUBBISH, AND DEBRIS RESULTING FROM THE WORK.
4. MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHALL BE STORED AT OWNER DESIGNATED LOCATION(S).
5. THE CONTRACTORS AND SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES AND THEIR EMPLOYEES WITH ALL THE REGULAR AND SPECIAL SAFETY PRACTICES AND PROCEDURES USED BY THE OWNER.
6. ALL PIPING AND RELATED MATERIALS TO BE OF ASTM STANDARDS. ALL PIPING 2-1/2" AND SMALLER IS SHOWN DIAGRAMMATICALLY AND SHOULD BE INSTALLED AND SUPPORTED BY THE GENERAL CONTRACTOR TO SUIT FIELD CONDITIONS AS CLOSE AS POSSIBLE TO ARRANGEMENT AS SHOWN UNLESS NOTED OTHERWISE.
7. ALL WELDING TO BE PERFORMED BY QUALIFIED WELDERS FOLLOWING CERTIFIED PROCEDURES IN ACCORDANCE WITH GOVERNING CODES, LATEST EDITION (LOCAL, STATE AND FEDERAL) AND SHALL PROVIDE WRITTEN DOCUMENTATION TO OWNER IF REQUESTED.
8. INSIDES OF ALL PIPING AND FITTINGS TO BE CLEANED AND FREE OF ALL FOREIGN MATERIALS BEFORE INSTALLATION.
9. ALL PIPING MATERIALS SHALL BE COMPATIBLE FOR THE INTENDED SYSTEM USE AND CONFORM TO ALL APPLICABLE STANDARDS, CODES, AND ORDINANCES.
10. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE OWNER'S REPRESENTATIVE SO NO INTERFERENCE WITH OTHER PROJECTS, TRADES OR PLANT OPERATIONS OCCUR.
11. ANY DEVIATIONS NECESSARY FROM THE DESIGN DRAWINGS FOR PIPING TIE-INS AND/OR RELOCATIONS DUE TO EXISTING CONDITIONS SHALL BE FIELD DETERMINED AND THE CONTRACTOR'S RESPONSIBILITY.
12. FIELD FABRICATED PIPING SHALL BE ROUTED TO KEEP ALL ACCESSWAYS AND EQUIPMENT OPENINGS CLEAR AND MAINTAIN ACCESSIBILITY TO VALVES AND INSTRUMENTS.
13. DURING ASSEMBLY OF PIPING CONNECTIONS TO EQUIPMENT, CARE SHALL BE EXERCISED TO AVOID ANY STRESSES ON EQUIPMENT DUE TO MISALIGNMENT OR THERMAL EXPANSION AND CONTRACTION.
14. CUTTING OR WELDING OF STRUCTURAL MEMBERS AND BURNING OR DRILLING OF HOLES THROUGH BEAMS MAY NOT BE DONE WITHOUT SPECIFIC PERMISSION OF OWNERS' REPRESENTATIVE.
15. THREADING AND ASSEMBLY OF SCREWED JOINTS IN PIPING SHALL BE STRAIGHT AND TRUE TO ENSURE TIGHT JOINTS, AND SHALL BE MADE WITH LUBRICANT AND SEALANT COMPOUND SUITABLE FOR THE SERVICE BEING HANDLED.
16. ALL SERVICES AND TERMINATION OF SERVICES SHALL BE TAGGED FOR IDENTIFICATION, PER ANSI 13.1.
17. ALL PIPING MATERIALS SHALL CONFORM TO THE OWNER'S STANDARD SPECIFICATIONS UNLESS INDICATED. FOR PIPE TESTING, ALL GOVERNING CODES, LATEST EDITION (LOCAL, STATE AND FEDERAL) SHALL APPLY.
18. ALL HIGH AND LOW POINTS OF PIPING TO HAVE 1/2" MIN. VENT OR DRAIN CONSISTING OF 1/2" SCRD. BALL VALVE, 1/2" x 2" LG. THRD. NIPPLE & 1/2" T.O.L.
19. BRANCH CONNECTIONS SHALL COMPLY WITH MATERIAL SPECIFICATIONS AND DRAWINGS.
20. ALL PIPING TO BE ADEQUATELY SUPPORTED, ACTUAL SUPPORT STEEL DESIGN & LOCATIONS TO BE IN ACCORDANCE WITH MSS SP-58 & 69 AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY UNLESS OTHERWISE NOTED.
21. DESIGN AND SELECTION OF ALL SUPPORTS FOR LINES 2 1/2" AND SMALLER ARE BY INSTALLING CONTRACTOR UNLESS INDICATED OTHERWISE.
22. PIPING SHALL REST FREELY ON SUPPORTS AND NEITHER PIPE, HANGERS, SUPPORTING STRUCTURES, OR EQUIPMENT SHALL BE STRESSED BEYOND NORMAL WORKING STRESS LEVELS.
23. PIPING SHALL BE ERECTED IN SUCH A MANNER AS TO PROVIDE FOR THERMAL EXPANSION AND CONTRACTION WITHOUT HARMFUL STRAIN TO BUILDING STRUCTURAL MEMBERS OR TO THE EQUIPMENT TO WHICH PIPING IS CONNECTED.
24. IF DISCREPANCIES BETWEEN P&ID'S AND PIPING DRAWINGS ARE DISCOVERED, P&ID'S ARE THE GOVERNING DOCUMENTS.
25. THE CONTRACTOR SHALL PAINT THE EXTERIOR OF ALL NON-INSULATED STEEL PIPES WITH EPOXY PAINT TREATMENT. INSULATED PIPES SHALL BE PRIME COATED ONLY WITH ONE COAT OF RED OXIDE PRIMER. CONTRACTOR TO SUBMIT MATERIALS TO BE USED FOR OWNERS APPROVAL.
26. ALL STEEL PIPING SHALL BE FABRICATED, INSTALLED, INSPECTED, AND TESTED IN ACCORDANCE WITH THE LATEST ISSUE OF ANSI B31.3.

PIPING BASIC SCOPE OF WORK

THE SCOPE OF PIPING WORK SHALL INCLUDE THE WORK (FURNISH AND INSTALL, UNLESS NOTED OTHERWISE) INDICATED ON THE DRAWINGS AND AS FOLLOWS:

1. INSTALL SANITARY PIPING AS SHOWN ON DRAWINGS
2. INSTALL PLUMBING EQUIPMENT AS SHOWN ON DRAWINGS.
3. REMOVE EXISTING EQUIPMENT AND PIPING AS SHOWN ON DRAWINGS.

PLUMBING SYSTEM SIZING NOTES:

THE PLUMBING CONTRACTOR SHALL VERIFY AND CONFORM TO THE FOLLOWING DESIGN PARAMETERS REQUIRED BY THE PLUMBING SYSTEM SIZING AND ENGINEERING:

1. SYSTEM DESIGN ASSUMES A 1% SLOPE FOR THE SANITARY SYSTEM.

BASIC PIPING EQUIPMENT:

1. GWH-1 - FURNISH AND INSTALL GAS FIRED WATER HEATER AS SHOWN/SCHEDULED ON DRAWINGS. O.A.SMITH IS BASE MANUFACTURER. "OR EQUAL" MANUFACTURERS ARE INTELLIHOT, LAARS OR ENGINEER APPROVED EQUAL.
2. TMV-1 - FURNISH AND INSTALL PER LAVATORY THERMOSTATIC MIXING VALVE AS SHOWN ON THE DRAWINGS. WATTS MODEL SERIES LFMMV IS BASE MANUFACTERER.

PIPING SYMBOLS

- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- DOMESTIC HOT WATER RETURN
- ELBOW 90, TURN UP
- ELBOW 90, TURN DN
- CONNECTION, BTM OUT
- CONNECTION, TOP OUT
- REDUCER
- TEE
- TEE OUTLET UP
- TEE OUTLET DOWN
- UNION
- GATE VALVE
- BUTTERFLY VALVE
- BALL VALVE
- BALANCING VALVE
- CHECK VALVE
- PLUG VALVE
- CONTROL VALVE
- SAFETY RELIEF VALVE
- PRESSURE GAUGE
- THERMOMETER
- FLOW ARROW
- FLOOR DRAIN
- FLOOR CLEAN OUT
- WALL CLEAN OUT
- DRAIN HUB
- PIPE CAP
- PIPE FLANGE
- TIE POINT
- EXTENT OF DEMOLITION
- NEW WORK NOTE (#)
- DEMOLITION NOTE (#)

UTILITY PIPING ABBREVATION

ABBREV.	DESCRIPTION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
(EX)	EXISTING
NG	NATURAL GAS
SAN	SANITARY PIPING
V	VENT PIPING

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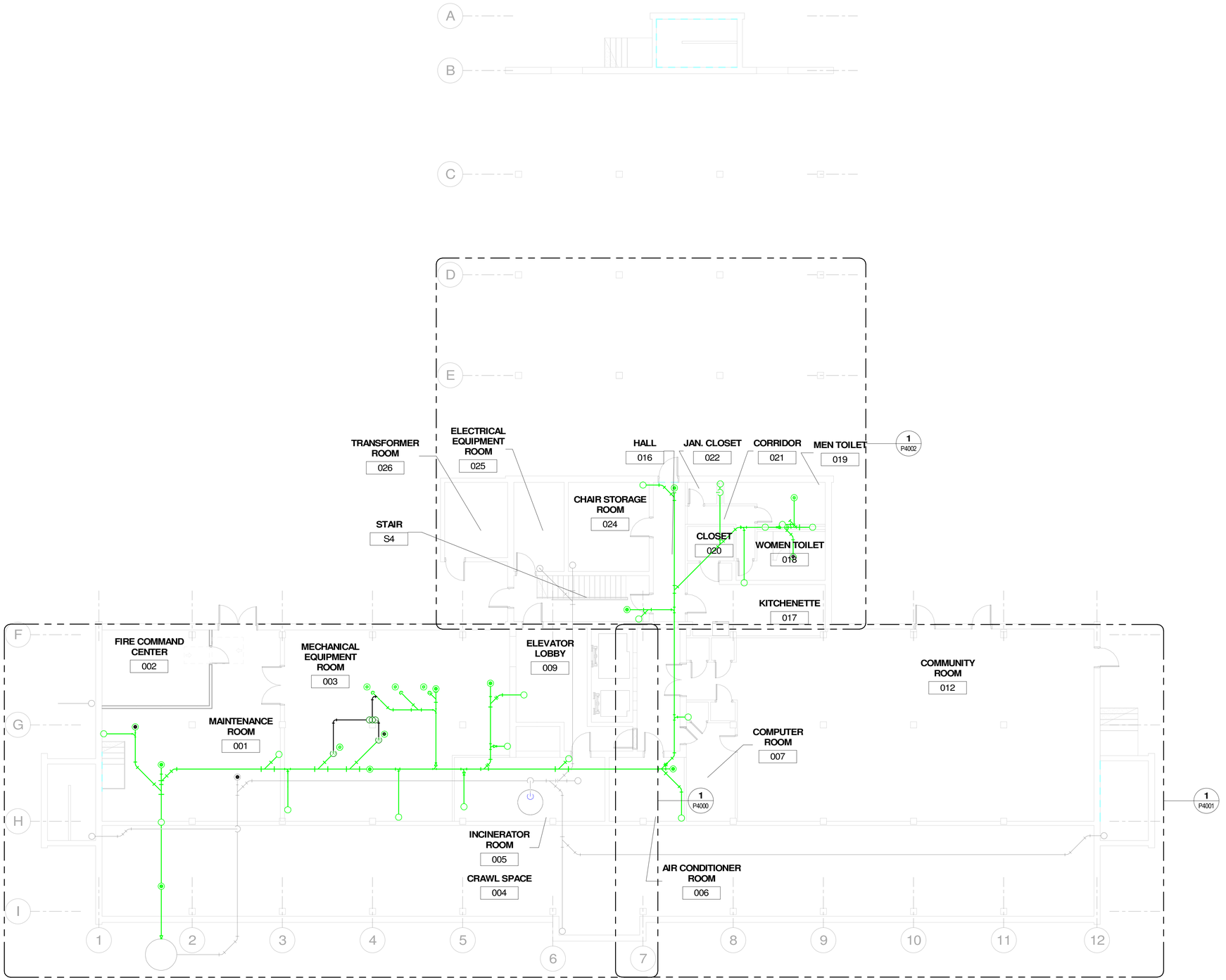
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UNDERGROUND PLUMBING PLAN

SCALE: 1/8" = 1'-0"

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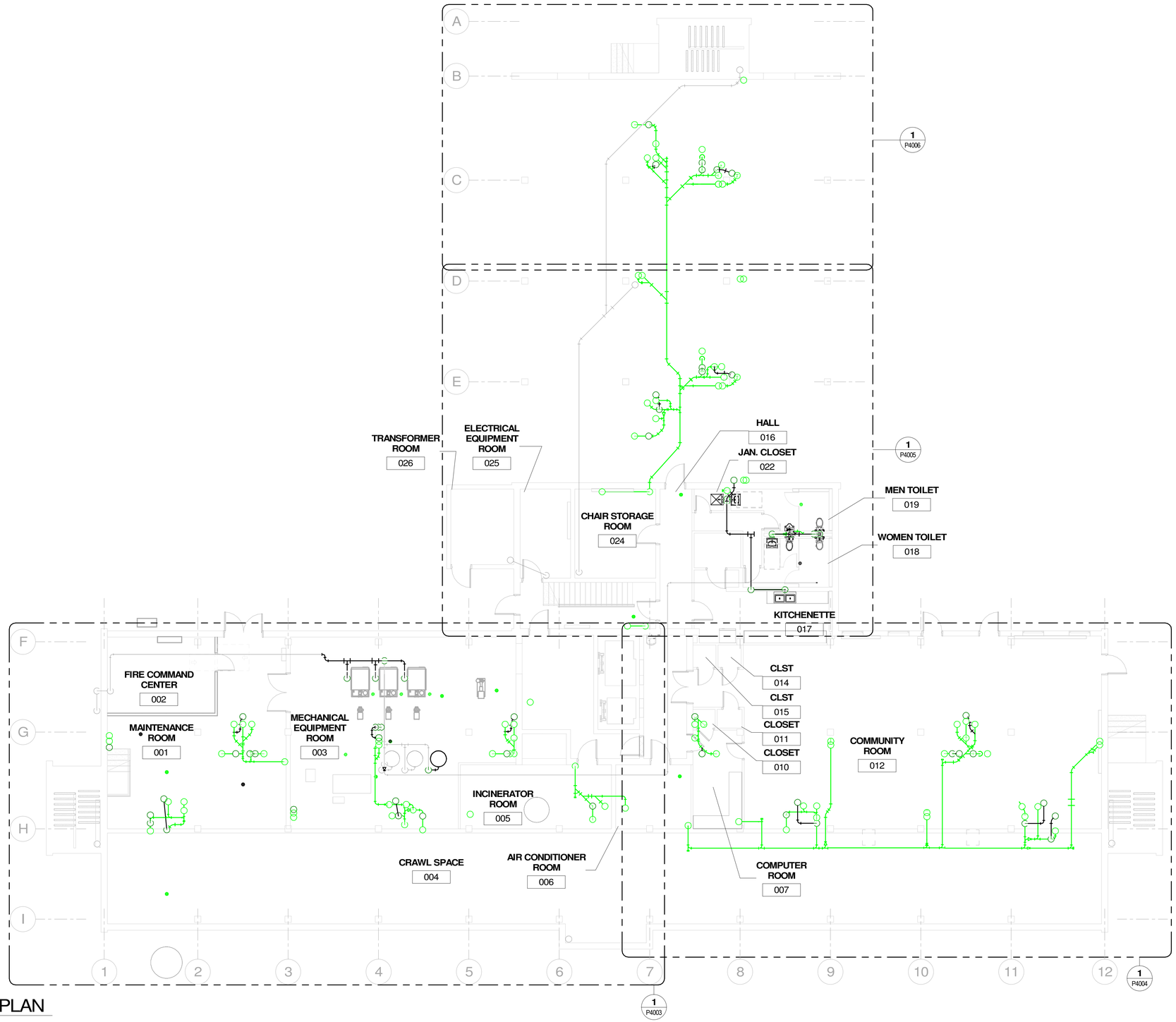
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GROUND LEVEL PLUMBING PLAN

SCALE: 1/8" = 1'-0"

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GROUND LEVEL PLUMBING PLAN

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FIRST FLOOR PLUMBING PLAN

SCALE: 1/8" = 1'-0"

N

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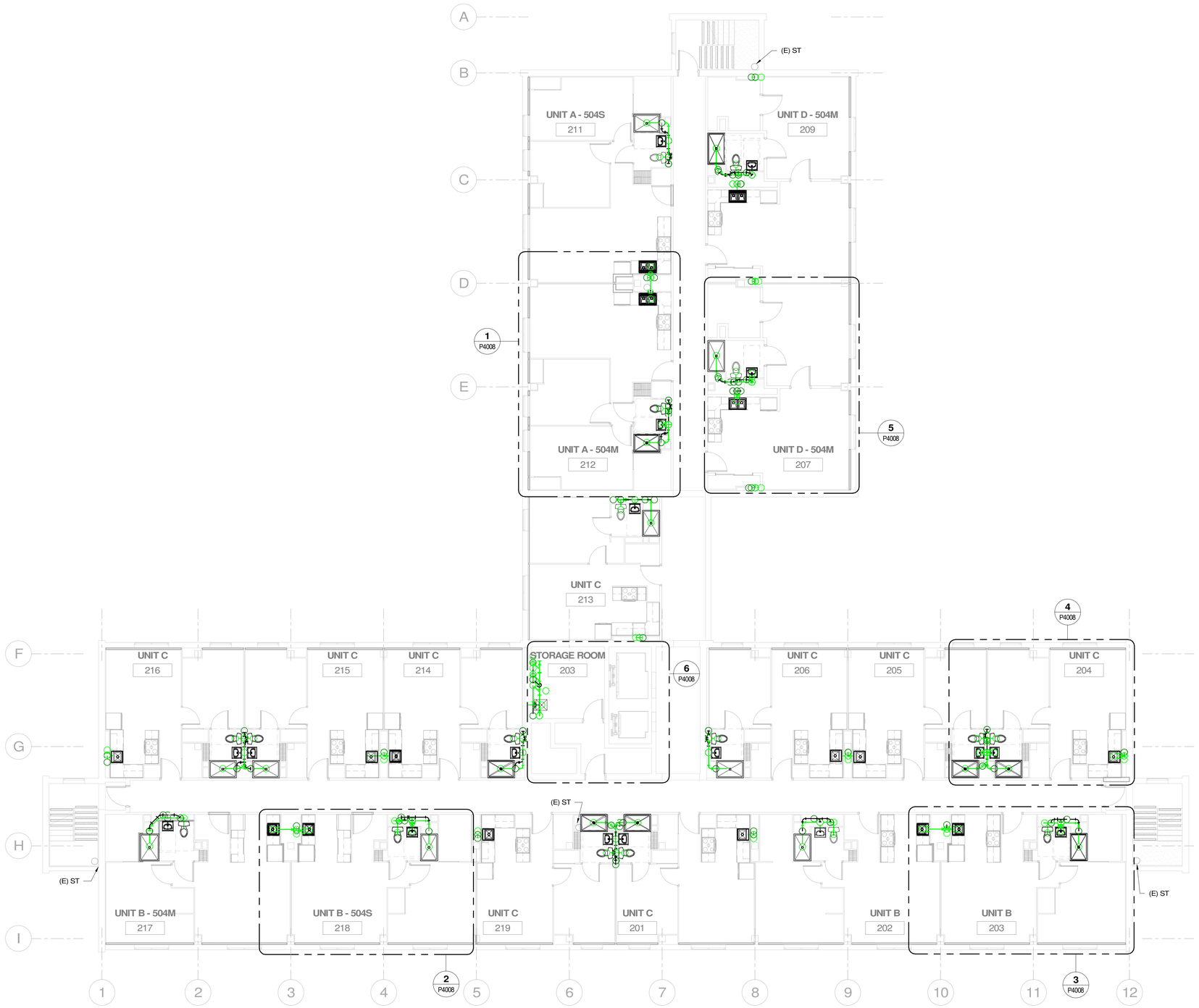
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FIRST FLOOR PLUMBING PLAN

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SECOND & THIRD FLOOR PLUMBING PLAN

SCALE: 1/8" = 1'-0"

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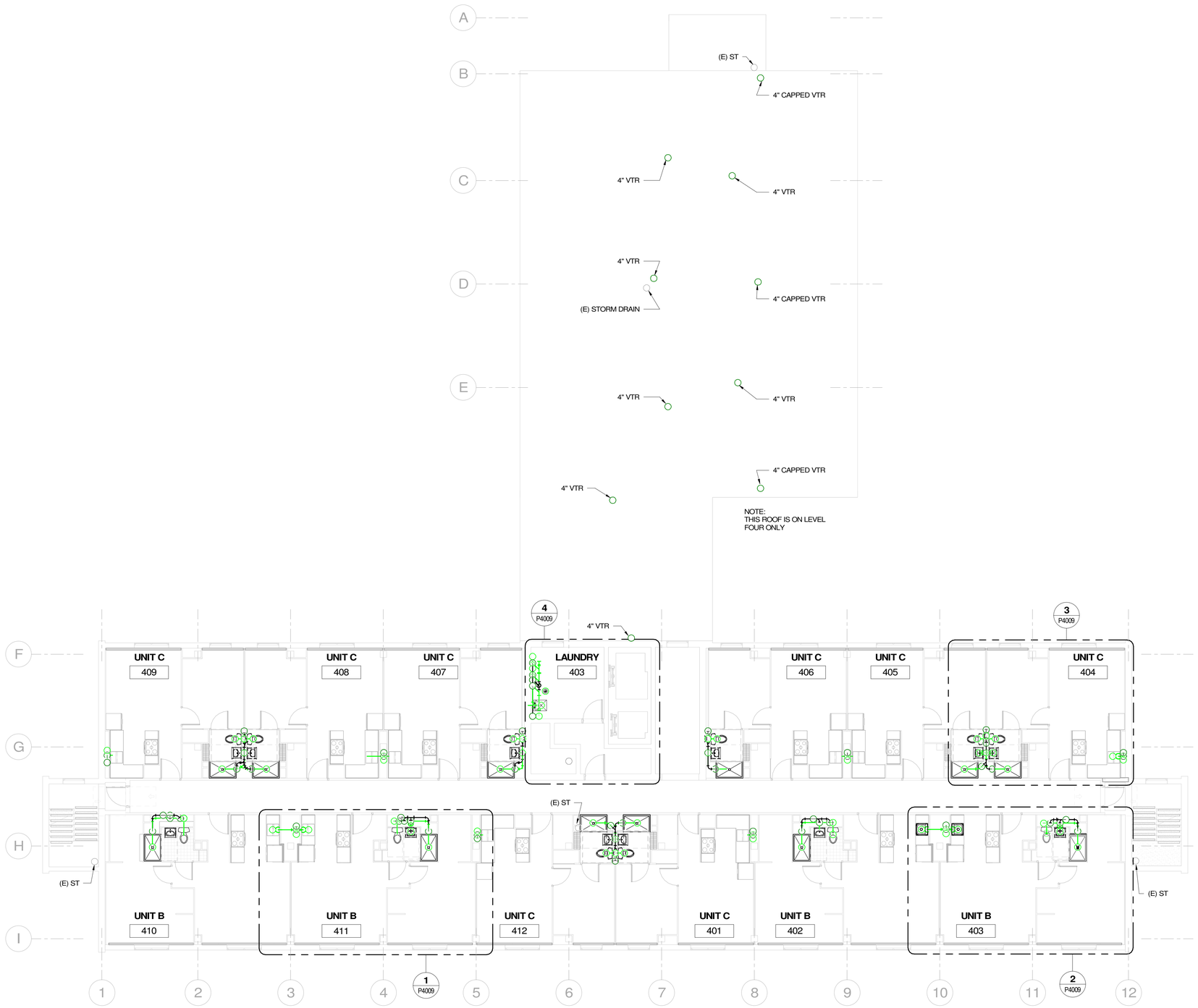
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SECOND AND THIRD FLOOR PLUMBING PLAN

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FOURTH - EIGHTH FLOOR PLUMBING PLAN

SCALE: 1/8" = 1'-0"

N

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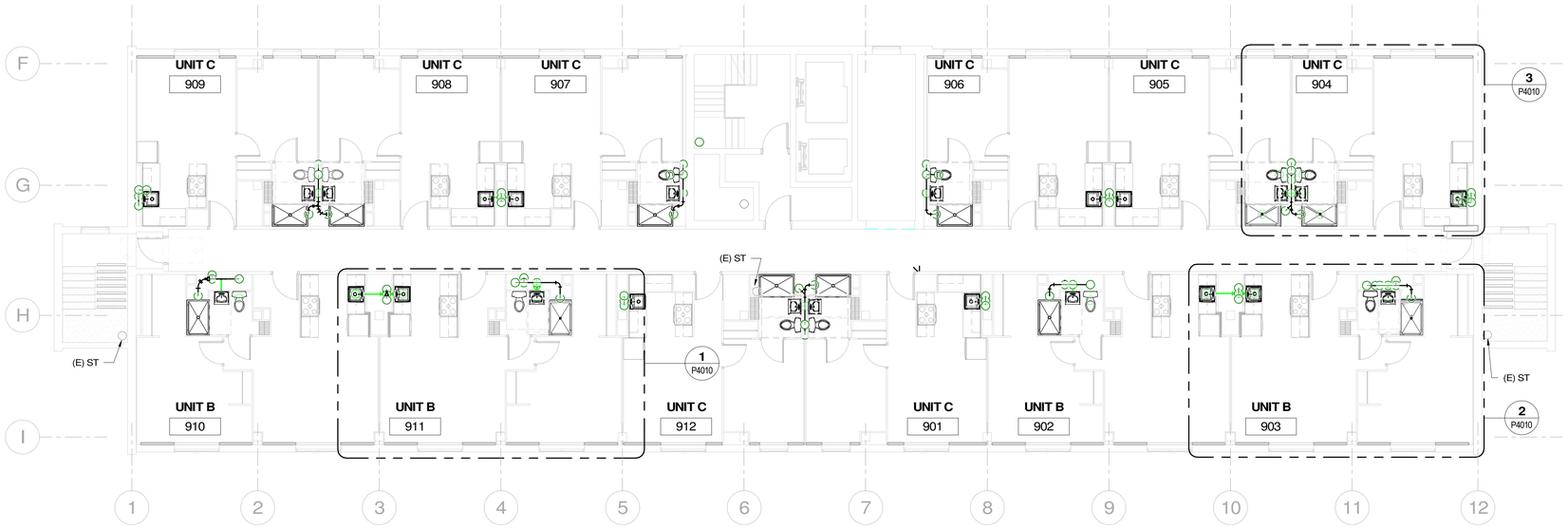
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FOURTH - EIGHTH FLOOR PLUMBING PLAN

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N

NINTH FLOOR PLUMBING PLAN

SCALE: 1/8" = 1'-0"

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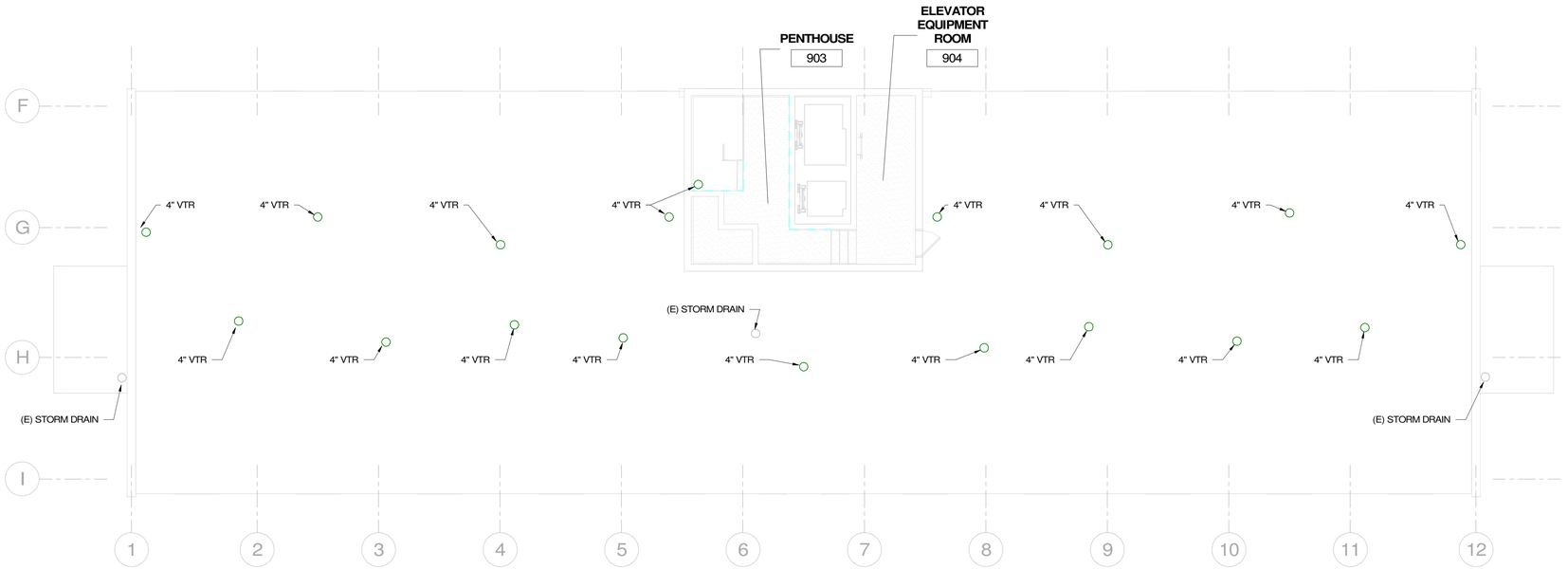
DRAWING TITLE:
NINTH FLOOR PLUMBING PLAN

DRAWING NUMBER: **P1005**

REV: **0**

7/17/2025 12:58:37 PM

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ROOF PLUMBING PLAN

SCALE: 1/8" = 1'-0"

N

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DATE	07/18/25
SCALE	AS NOTED

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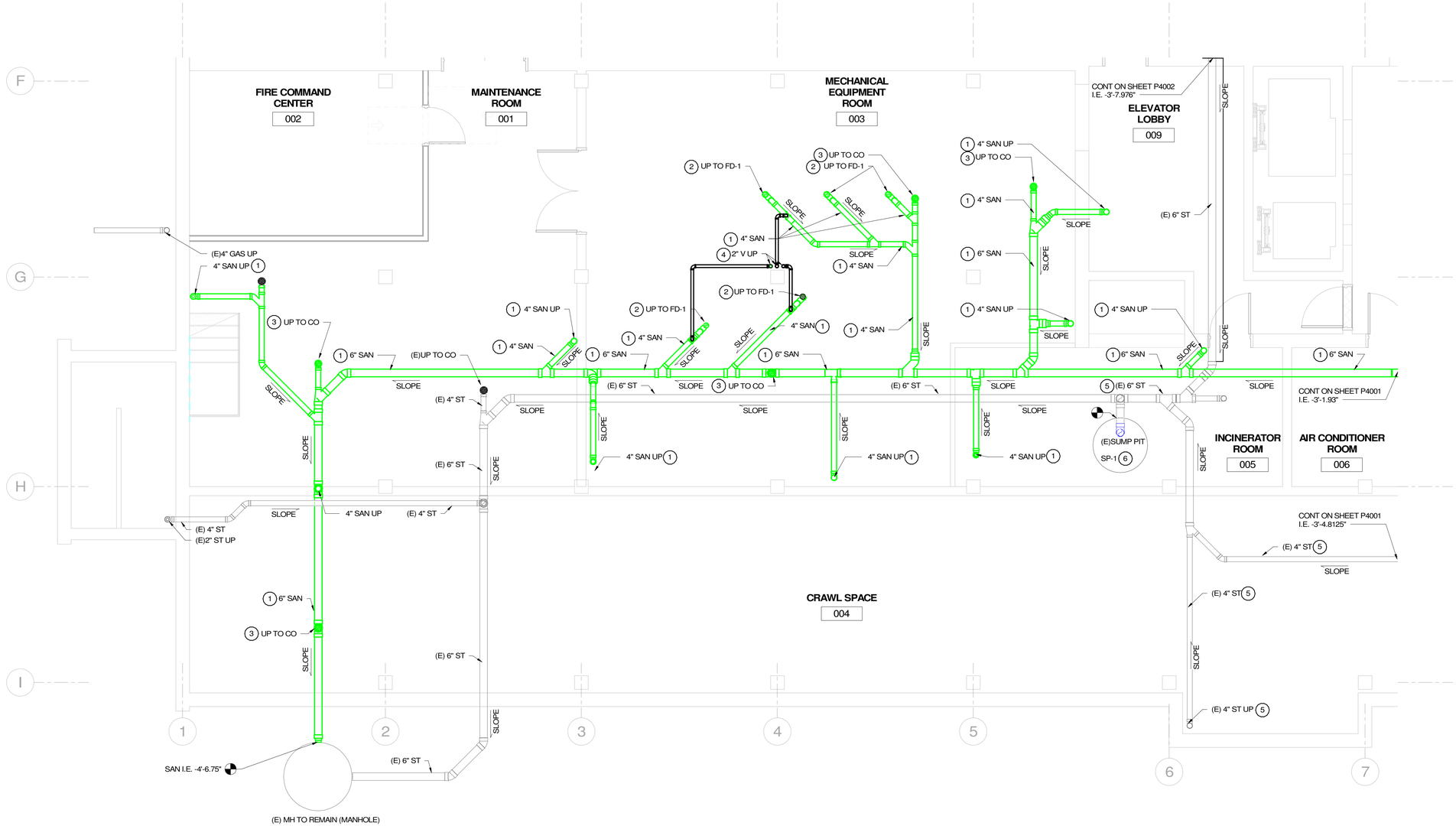
MAPLE TOWER RAD RENOVATIONS
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CINCINNATI, OH 45229

DRAWING TITLE:
ROOF PLUMBING PLAN

DRAWING NUMBER: **P1006**

REV: **0**

7/17/2025 12:58:43 PM



UNDERGROUND LEVEL ENLARGED PLUMBING PLAN

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

N

PLUMBING KEY NOTES:

1. NEW SANITARY PIPING.
2. NEW FLOOR DRAINS, FLOOR DRAIN TRAPS AND TRAP PRIMER.
3. NEW FLOOR CLEAN OUTS.
4. NEW VENT PIPING.
5. EXISTING STORM PIPING TO REMAIN.
6. NEW SUMP PUMP (REPLACE IN-KIND) IN EXISTING SUMP PIT AND INLET AND DISCHARGE CONNECTION TO PIT TO REMAIN. INSTALL NEW SUMP PUMP, VALVE AND FLOAT SWITCHES. RECONNECT PUMP DISCHARGE PIPE AND MATCH ELEVATION OF THE NEW SWITCHES WITH EXISTING.

GENERAL NOTE:

3" OR LARGER PIPING IS SLOPED AT 1/8" PER FOOT AND 2 1/2" OR SMALLER PIPING IS SLOPED AT 1/4" PER FOOT.

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DATE	07/18/25
SCALE	AS NOTED

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601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
UNDERGROUND LEVEL ENLARGED PLUMBING PLAN

DRAWING NUMBER: **P4000**

REV: **0**

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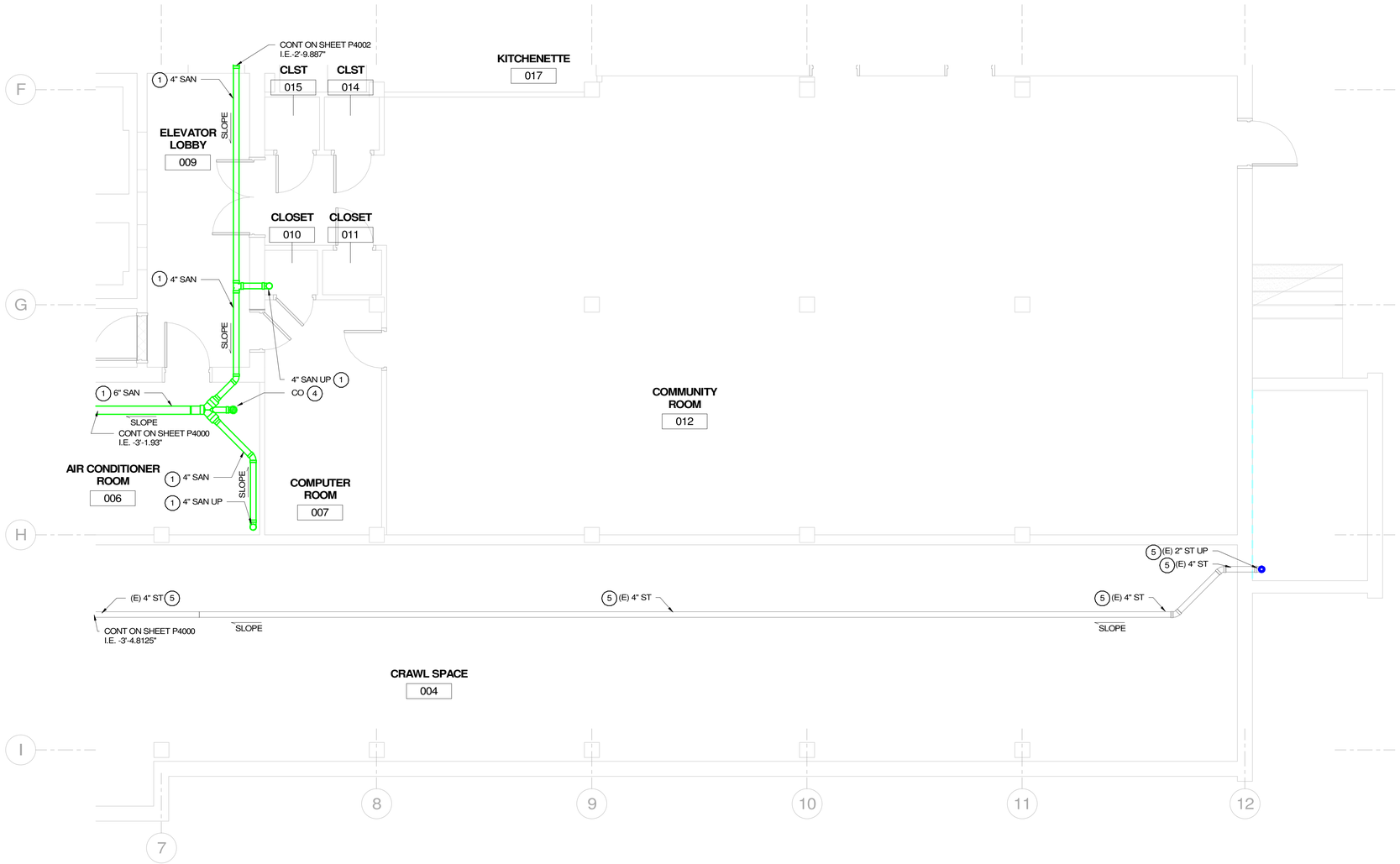
NOT FOR CONSTRUCTION

PLUMBING KEY NOTES:

1. NEW SANITARY PIPING.
2. NEW FLOOR DRAINS, FLOOR DRAIN TRAPS AND TRAP PRIMER.
3. NEW FLOOR CLEAN OUTS.
4. EXISTING STORM PIPING TO REMAIN

GENERAL NOTE:

3" OR LARGER PIPING IS SLOPED AT 1/8" PER FOOT AND 2 1/2" OR SMALLER PIPING IS SLOPED AT 1/4" PER FOOT.



UNDERGROUND LEVEL ENLARGED PLUMBING PLAN

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

N

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DRAWING TITLE:
UNDERGROUND LEVEL ENLARGED PLUMBING PLAN

DRAWING NUMBER: **P4001**

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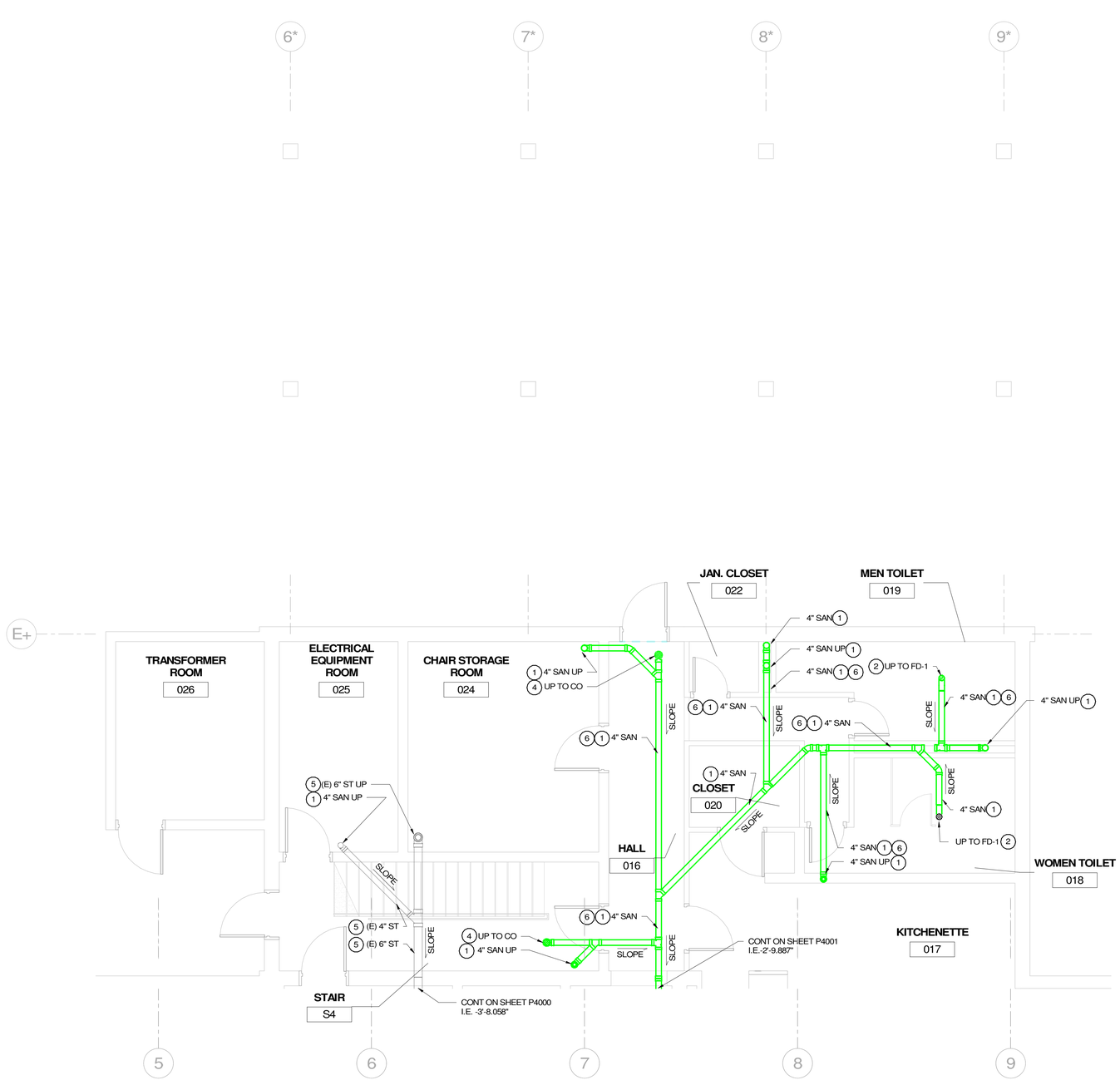
NOT FOR CONSTRUCTION

PLUMBING KEY NOTES:

1. NEW SANITARY PIPING.
2. NEW FLOOR DRAINS, FLOOR DRAIN TRAPS AND TRAP PRIMER.
3. NEW FLOOR CLEAN OUTS.
4. EXISTING STORM PIPING TO REMAIN.

GENERAL NOTE:

3" OR LARGER PIPING IS SLOPED AT 1/8" PER FOOT AND 2 1/2" OR SMALLER PIPING IS SLOPED AT 1/4" PER FOOT.



UNDERGROUND LEVEL ENLARGED PLUMBING PLAN

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

N

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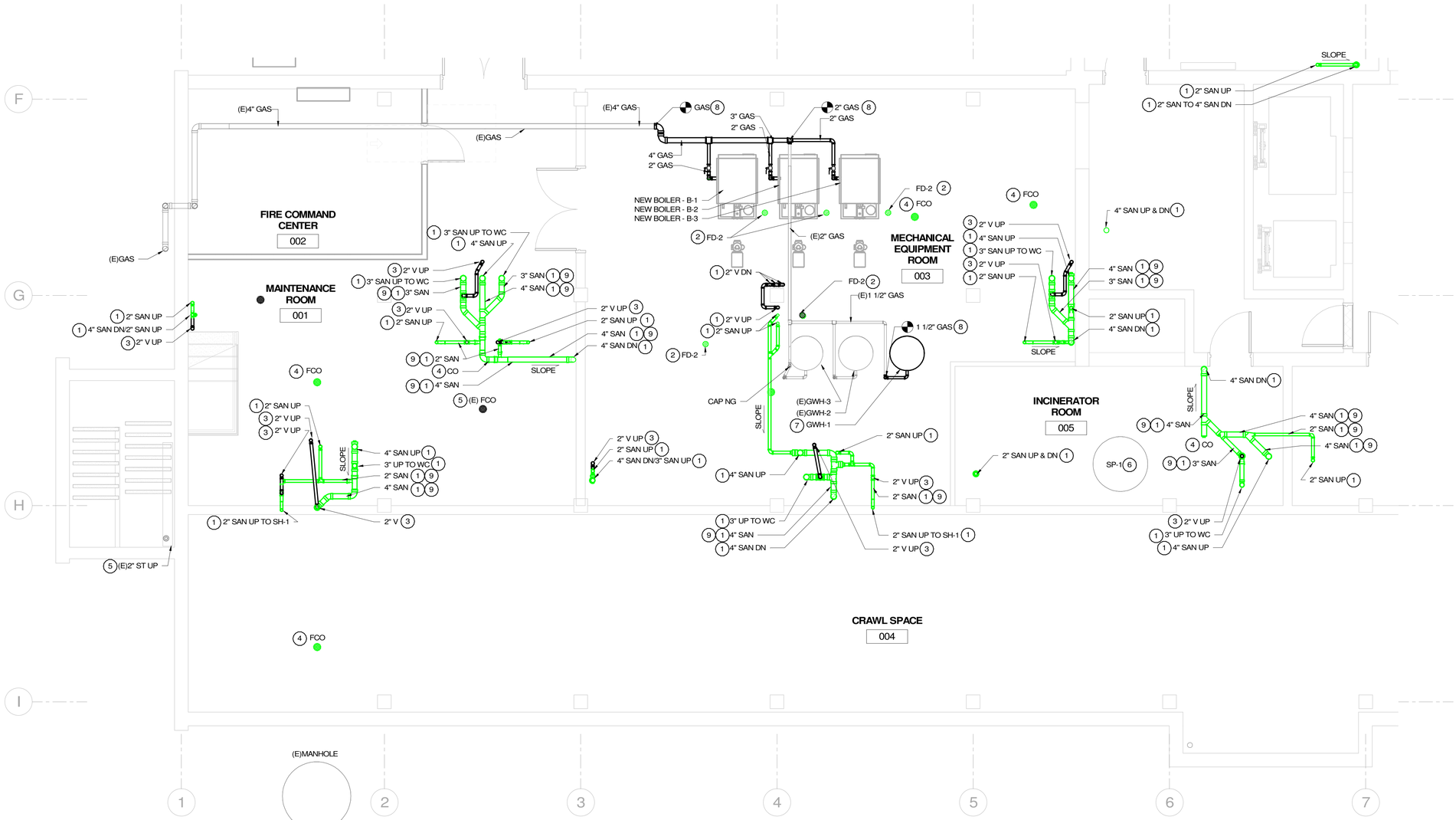
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DRAWING TITLE:
UNDERGROUND LEVEL ENLARGED PLUMBING PLAN

DRAWING NUMBER: **P4002**

REV: **0**

7/17/2025 12:59:00 PM



PLUMBING KEY NOTES:

1. NEW SANITARY PIPING.
2. NEW FLOOR DRAINS, FLOOR DRAIN TRAPS AND TRAP PRIMER.
3. NEW VENT PIPING.
4. NEW FLOOR CLEAN OUTS.
5. EXISTING STORM PIPING TO REMAIN.
6. NEW SUMP PUMP SP-1, EXISTING SUMP PIT AND INLET AND DICHARGE CONNETIONS TO THE PIT TO REMAIN. INSTALL NEW SUMP, VALVES AND FLOAT SWITCHES. RECONNECT PUMP DISCHARGE PIPE AND MATCH ELEVATION OF NEW FLOAT SWITCHES WITH EXISTING.
7. NEW GAS WATER HEATER GWH-1 AND THERMOSTATIC MIXING VALVE.
8. NEW GAS PIPING.

GENERAL NOTE:

3" OR LARGER PIPING IS SLOPED AT 1/8" PER FOOT AND 2 1/2" OR SMALLER PIPING IS SLOPED AT 1/4" PER FOOT.

NOT FOR CONSTRUCTION

GROUND LEVEL ENLARGED PLUMBING PLAN

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

N

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DRAWING TITLE:
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DRAWING NUMBER: **P4003**

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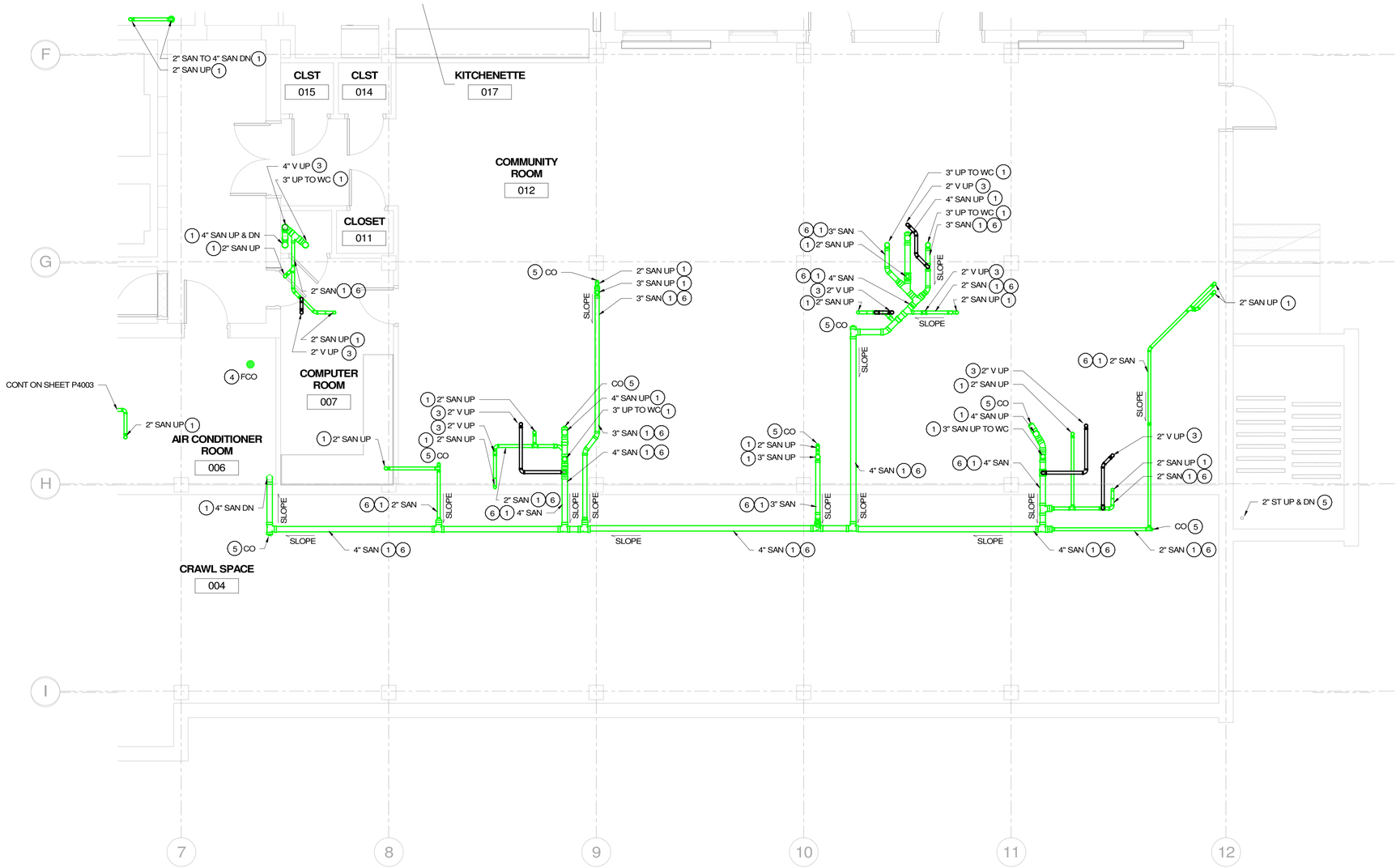
NOT FOR CONSTRUCTION

PLUMBING KEY NOTES:

1. NEW SANITARY PIPING.
2. NEW FLOOR DRAINS, FLOOR DRAIN TRAPS AND TRAP PRIMER.
3. NEW VENT PIPING.
4. NEW FLOOR CLEAN OUTS.
5. EXISTING STORM PIPING TO REMAIN.

GENERAL NOTE:

3" OR LARGER PIPING IS SLOPED AT 1/8" PER FOOT AND 2 1/2" OR SMALLER PIPING IS SLOPED AT 1/4" PER FOOT.



GROUND LEVEL ENLARGED PLUMBING PLAN

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

N

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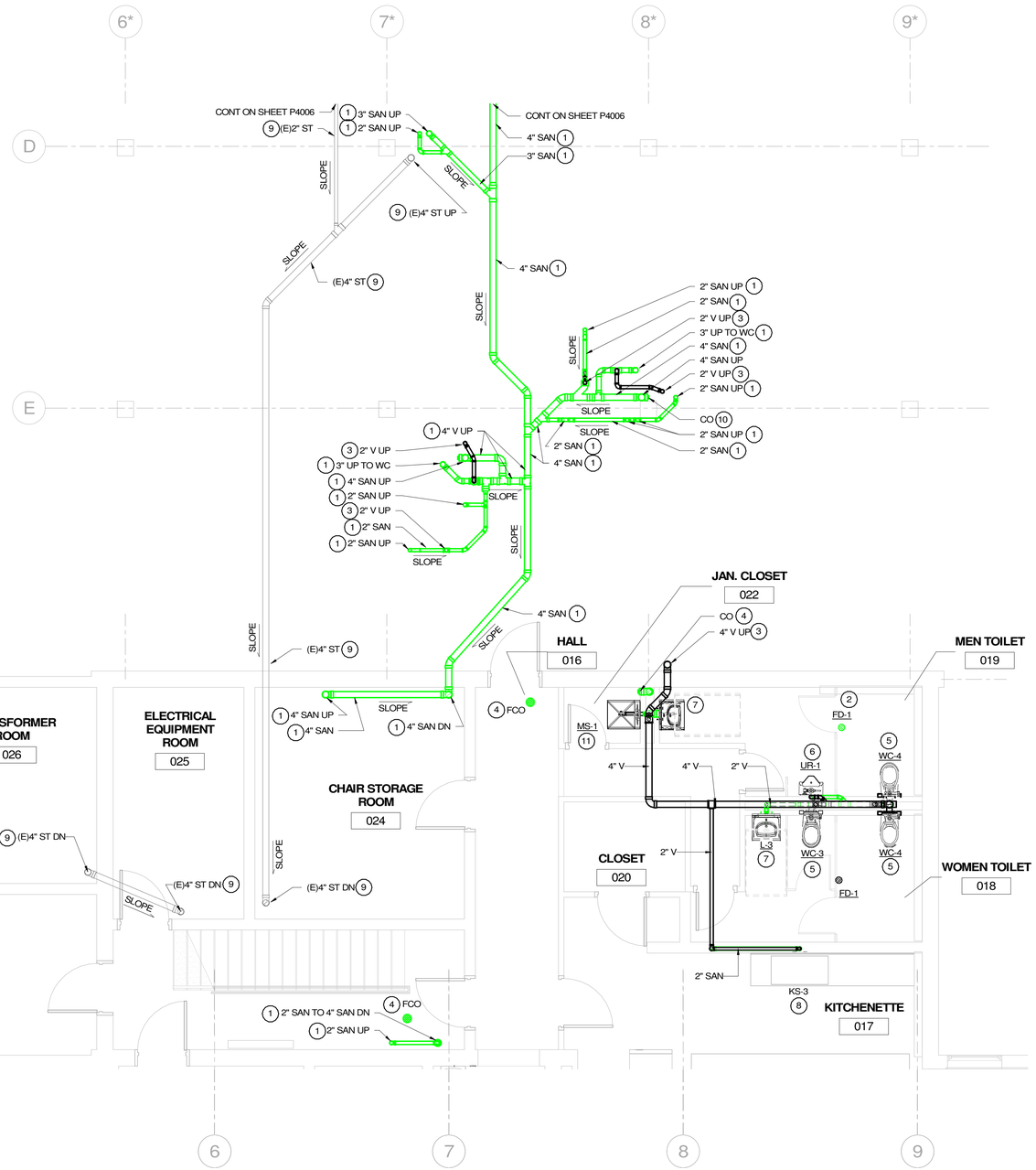
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DRAWING TITLE:
GROUND LEVEL ENLARGED PLUMBING PLAN

DRAWING NUMBER: **P4004**

REV: **0**

7/17/2025 12:59:13 PM



GROUND LEVEL ENLARGED PLUMBING PLAN

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

N

PLUMBING KEY NOTES:

1. NEW SANITARY PIPING.
2. NEW FLOOR DRAINS, FLOOR DRAIN TRAPS AND TRAP PRIMER.
3. NEW VENT PIPING.
4. NEW FLOOR CLEAN OUTS.
5. NEW WATER CLOSET AND FLUSH VALVE AND 1" CONNECTION.
6. NEW URINAL AND FLUSH VALVE 3/4" CONNECTION.
7. NEW LAVATORY AND FAUCET.
8. NEW KITCHEN SINK AND FAUCET.
9. EXISTING STORM PIPING TO REMAIN.
10. NEW CAP.
11. NEW MOP SINK AND FAUCET WITH VACUUM BREAKER.

GENERAL NOTE:

3" OR LARGER PIPING IS SLOPED AT 1/8" PER FOOT AND 2 1/2" OR SMALLER PIPING IS SLOPED AT 1/4" PER FOOT.

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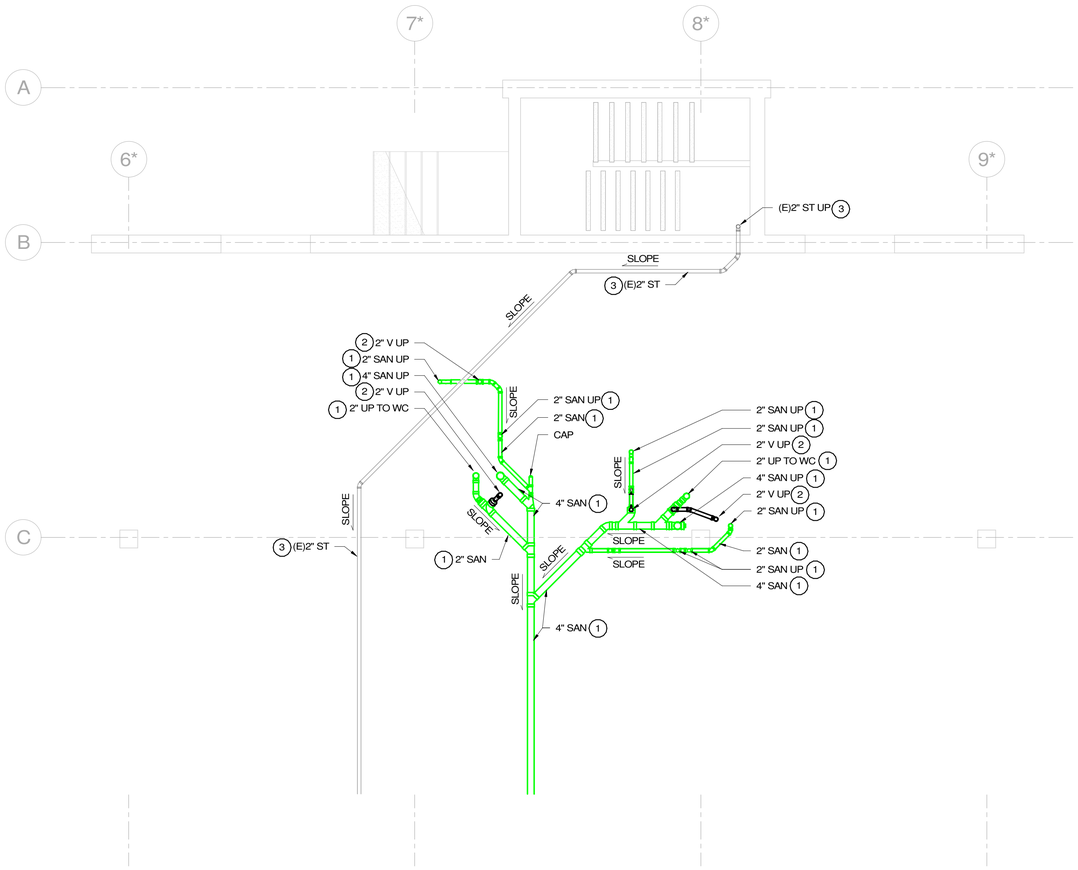
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○ PLUMBING KEY NOTES:

1. NEW SANITARY PIPING.
2. NEW VENT PIPING.
3. EXISTING STORM PIPING TO REMAIN.

GENERAL NOTE:

3" OR LARGER PIPING IS SLOPED AT 1/8" PER FOOT AND 2 1/2" OR SMALLER PIPING IS SLOPED AT 1/4" PER FOOT.



GROUND LEVEL ENLARGED PLUMBING PLAN

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

N

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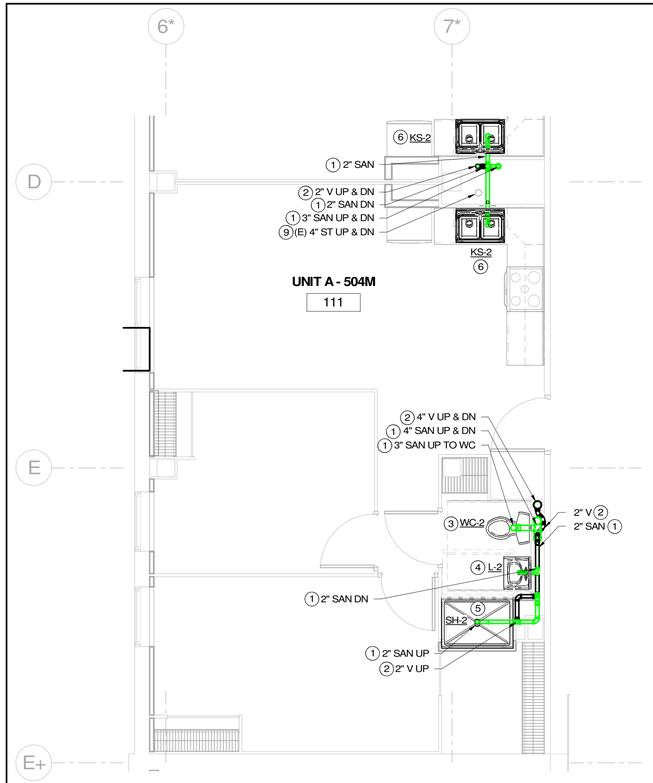
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GROUND LEVEL ENLARGED PLUMBING PLAN

DRAWING NUMBER: **P4006**

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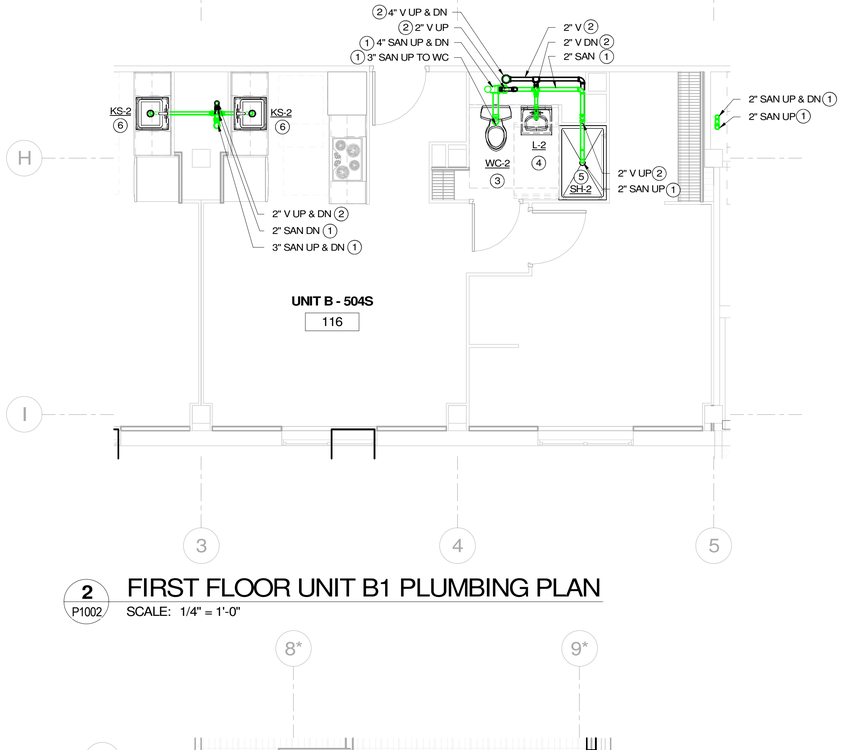
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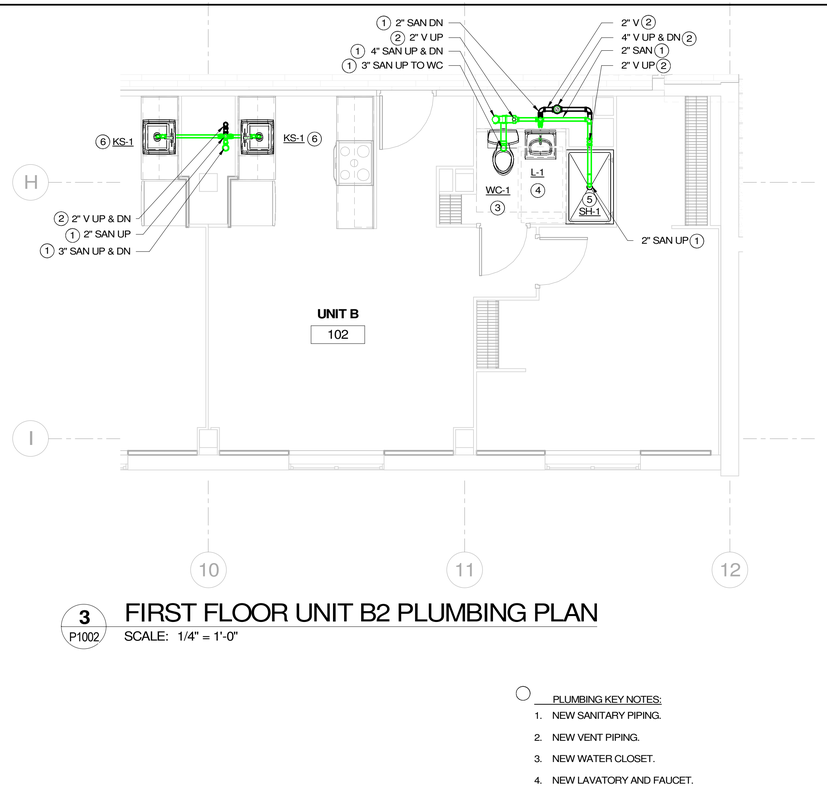
1 FIRST FLOOR UNIT A PLUMBING PLAN

P1002 SCALE: 1/4" = 1'-0"



2 FIRST FLOOR UNIT B1 PLUMBING PLAN

P1002 SCALE: 1/4" = 1'-0"

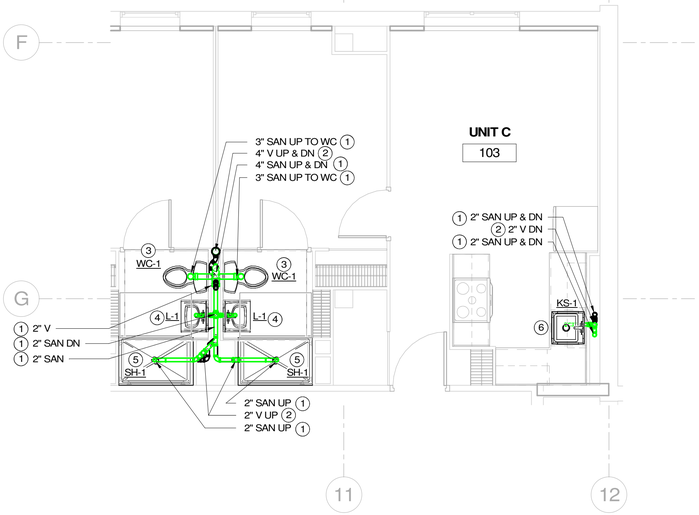


3 FIRST FLOOR UNIT B2 PLUMBING PLAN

P1002 SCALE: 1/4" = 1'-0"

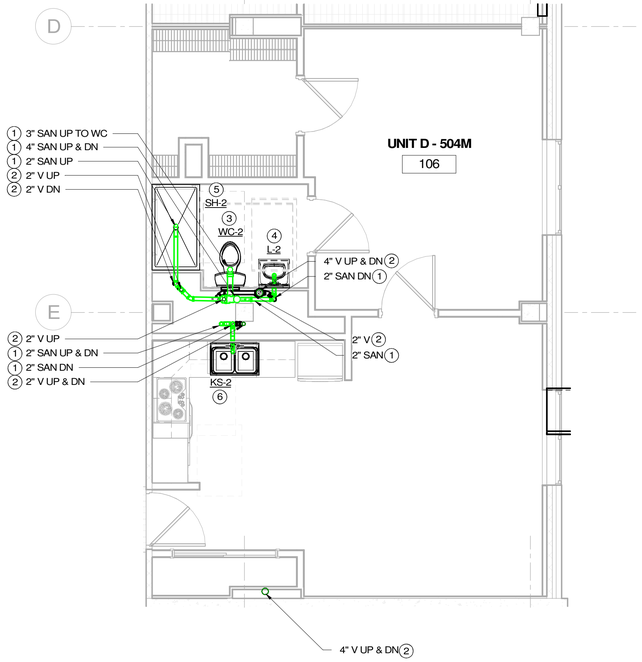
PLUMBING KEY NOTES:

1. NEW SANITARY PIPING.
2. NEW VENT PIPING.
3. NEW WATER CLOSET.
4. NEW LAVATORY AND FAUCET.
5. NEW SHOWER AND SHOWER VALVE.
6. NEW KITCHEN SINK AND FAUCET.
7. NEW FLOOR DRAINS, TRAP AND TRAP PRIMER.
8. NEW FLOOR CLEAN OUT.
9. EXISTING STORM TO REMAIN.



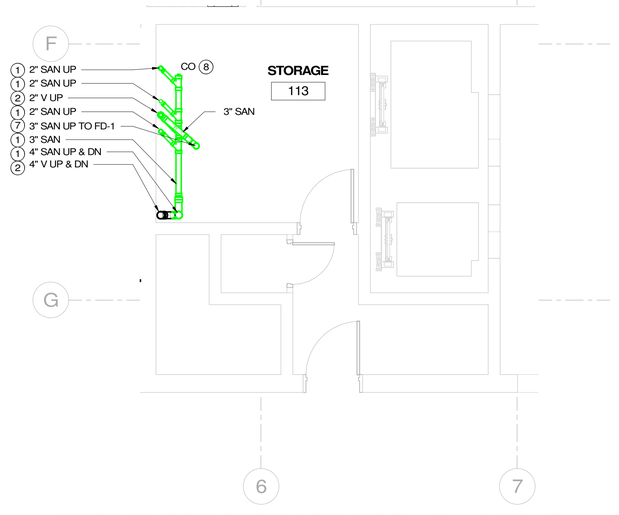
4 FIRST FLOOR UNIT C PLUMBING PLAN

P1002 SCALE: 1/4" = 1'-0"



5 FIRST FLOOR UNIT D PLUMBING PLAN

P1002 SCALE: 1/4" = 1'-0"



6 FIRST FLOOR STORAGE ROOM PLUMBING PLAN

P1002 SCALE: 1/4" = 1'-0"

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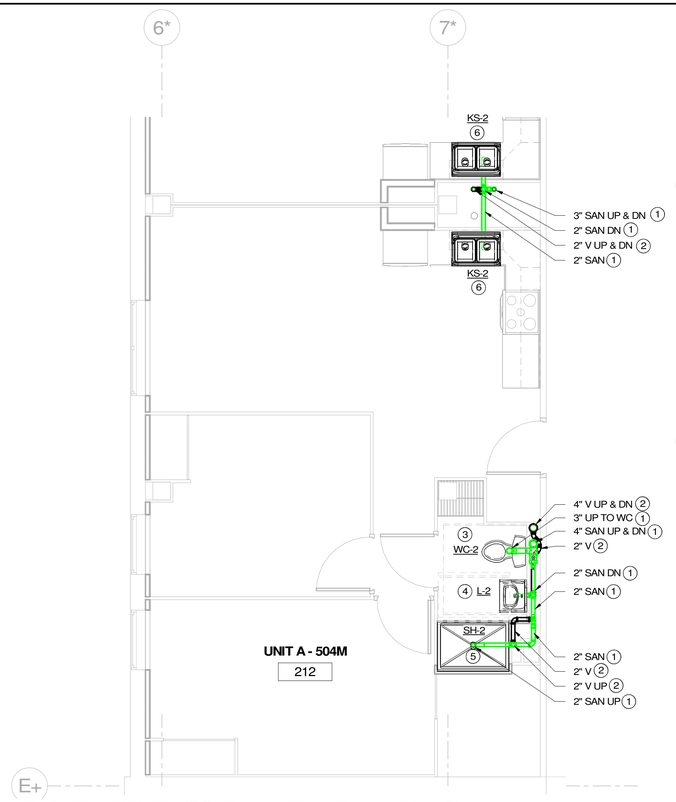
DRAWING TITLE:
FIRST FLOOR UNITS ENLARGED PLUMBING PLANS

DRAWING NUMBER: **P4007**

REV: **0**

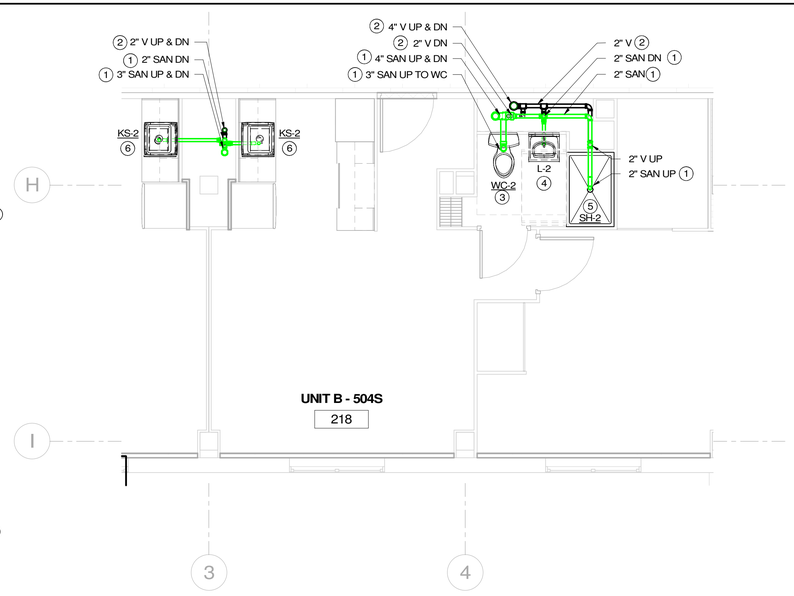
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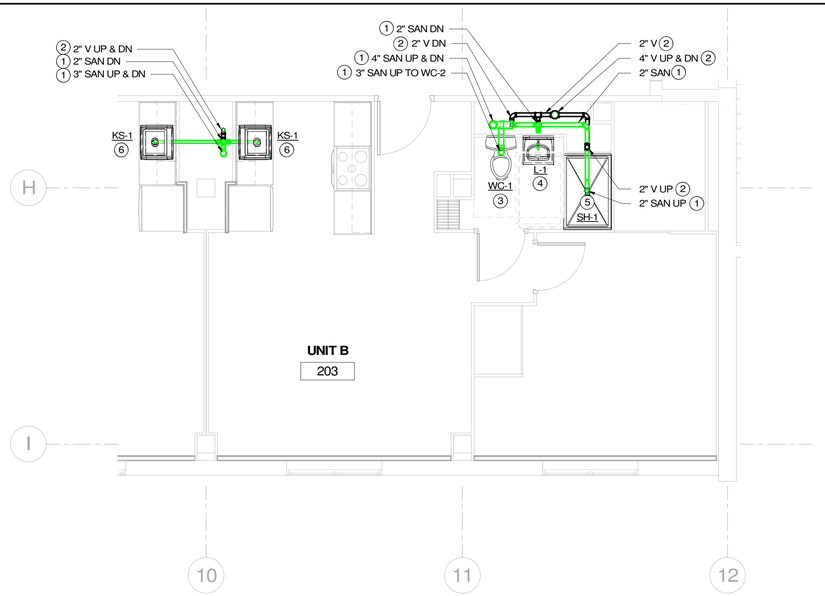
1 P1003 SECOND & THIRD FLOOR UNIT A PLUMBING PLAN

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



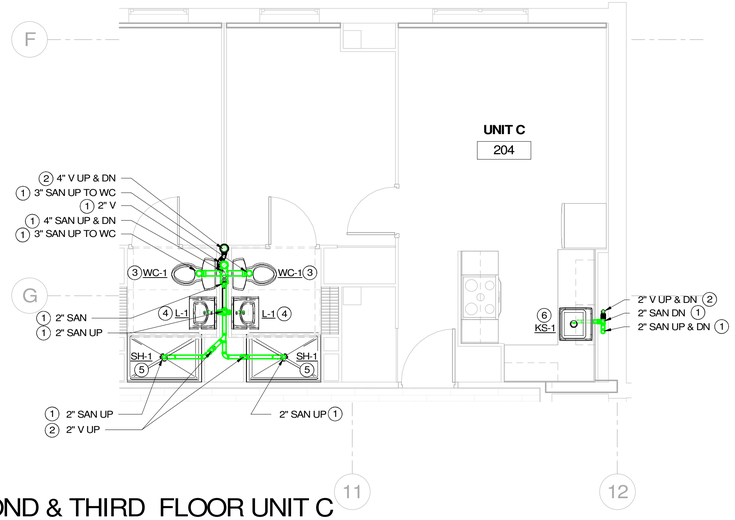
2 P1003 SECOND & THIRD FLOOR UNIT B1 PLUMBING PLAN

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



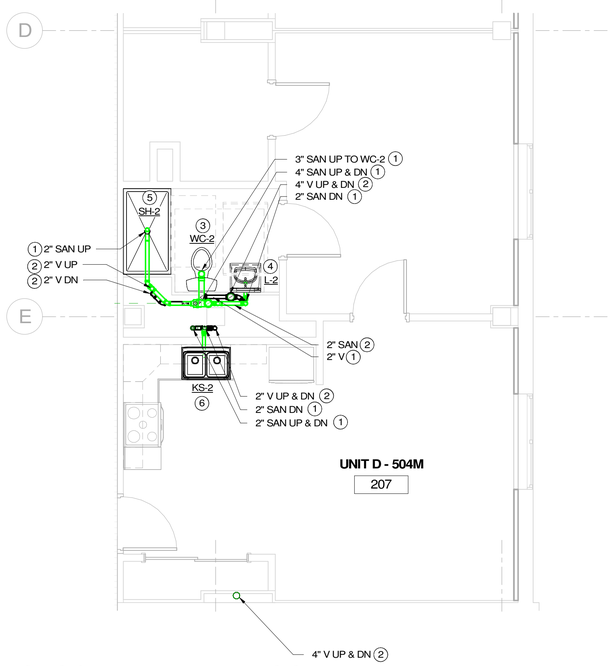
3 P1003 SECOND & THIRD FLOOR UNIT B2 PLUMBING PLAN

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



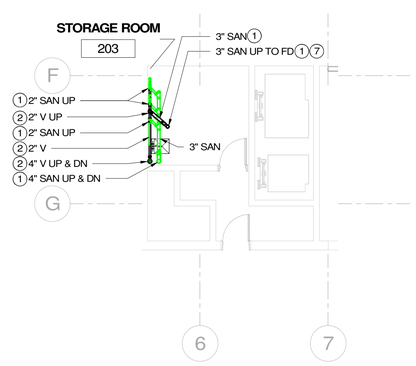
4 P1003 SECOND & THIRD FLOOR UNIT C PLUMBING PLAN

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



5 P1003 SECOND & THIRD FLOOR UNIT D PLUMBING PLAN

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



6 P1003 SECOND & THIRD FLOOR LAUNDRY PLUMBING PLAN

SCALE: 1/8" = 1'-0"

PLUMBING KEY NOTES:

1. NEW SANITARY PIPING.
2. NEW VENT PIPING.
3. NEW WATER CLOSET.
4. NEW LAVATORY AND FAUCET.
5. NEW SHOWER AND SHOWER VALVE.
6. NEW KITCHEN SINK AND FAUCET.
7. NEW FLOOR DRAINS ,TRAP AND TRAP PRIMER.

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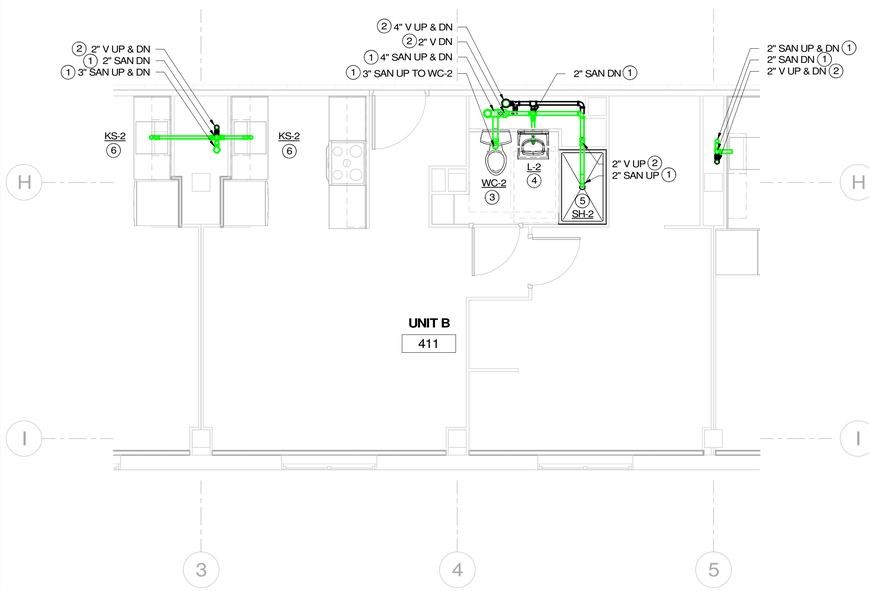
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
SECOND AND THIRD FLOOR UNITS ENLARGED PLUMBING PLANS

DRAWING NUMBER: **P4008**

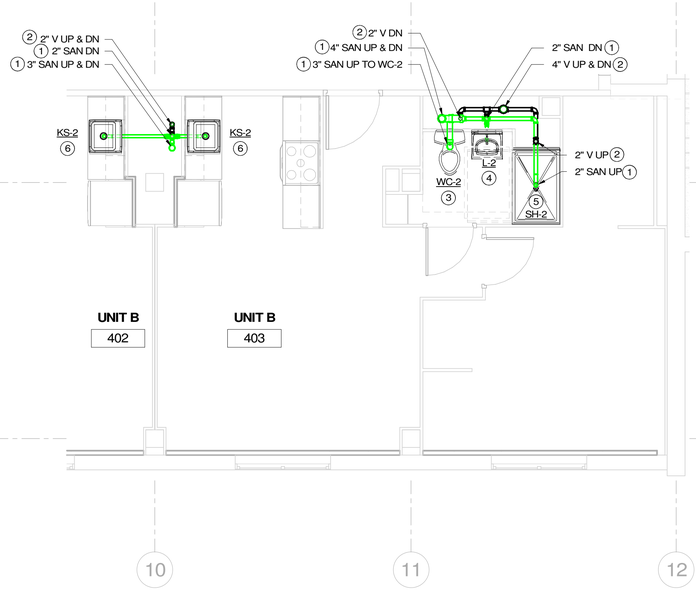
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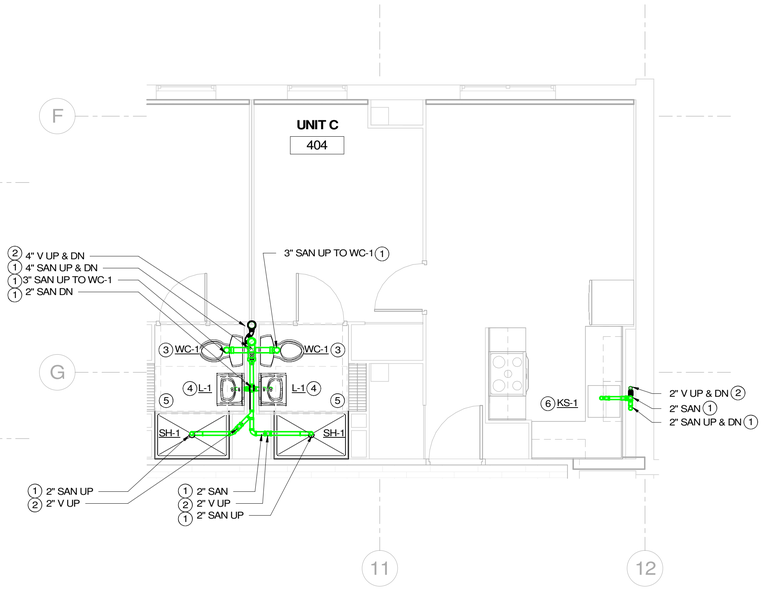
1 P1004 FOURTH - EIGHTH FLOOR UNIT B1 PLUMBING PLAN

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



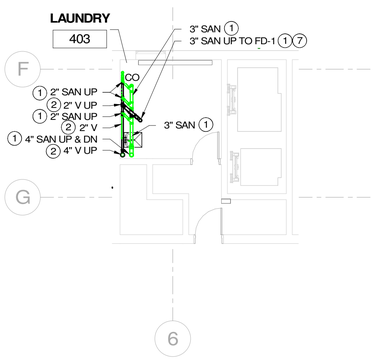
2 P1004 FOURTH - EIGHTH FLOOR UNIT B2 PLUMBING PLAN

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



3 P1004 FOURTH - EIGHTH FLOOR UNIT C PLUMBING PLAN

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



4 P1004 FOURTH - EIGHTH FLOOR LAUNDRY PLUMBING PLAN

SCALE: 1/8" = 1'-0"

PLUMBING KEY NOTES:

1. NEW SANITARY PIPING.
2. NEW VENT PIPING.
3. NEW WATER CLOSET.
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7. NEW FLOOR DRAINS, TRAP AND TRAP PRIMER.

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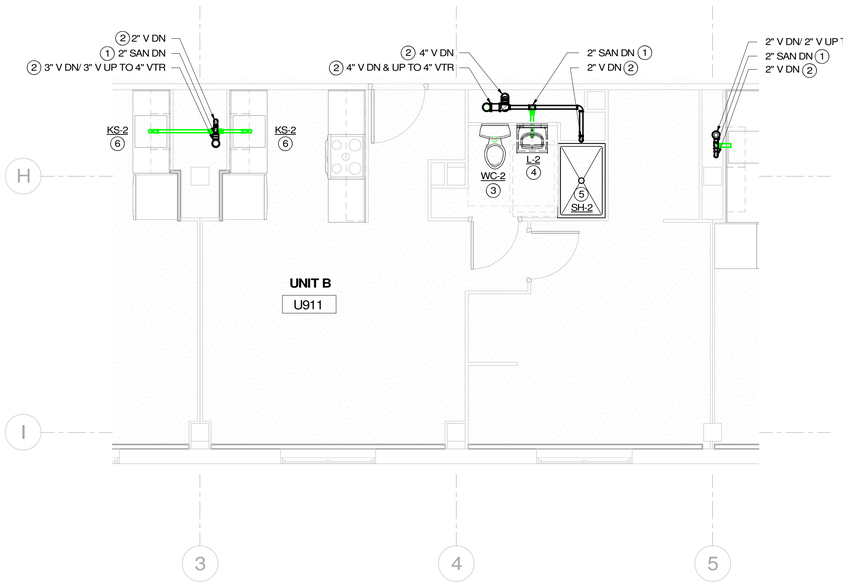
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CINCINNATI, OH 45229

DRAWING TITLE:
PLUMBING FOURTH TO EIGHTH FLOOR UNITS ENLARGED PLUMBING PLANS

DRAWING NUMBER: **P4009**

REV: **0**

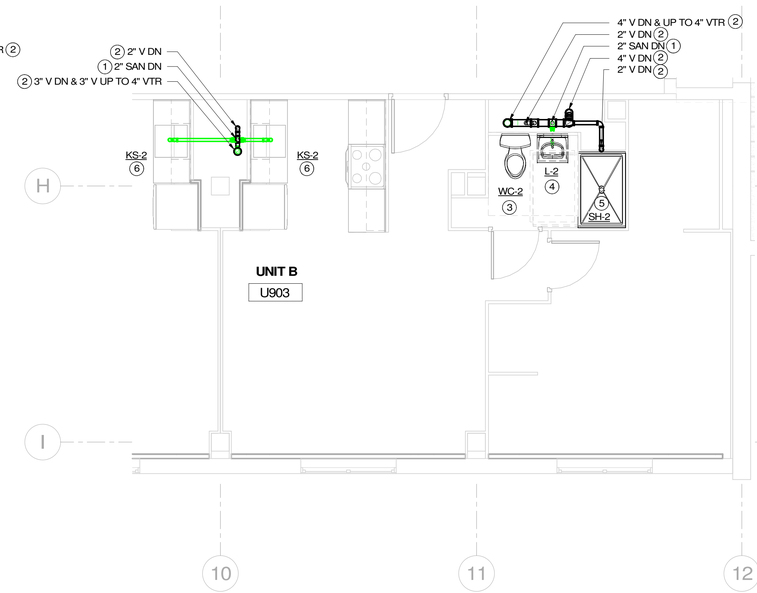
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1 NINTH FLOOR UNIT B1 PLUMBING PLAN

P1005

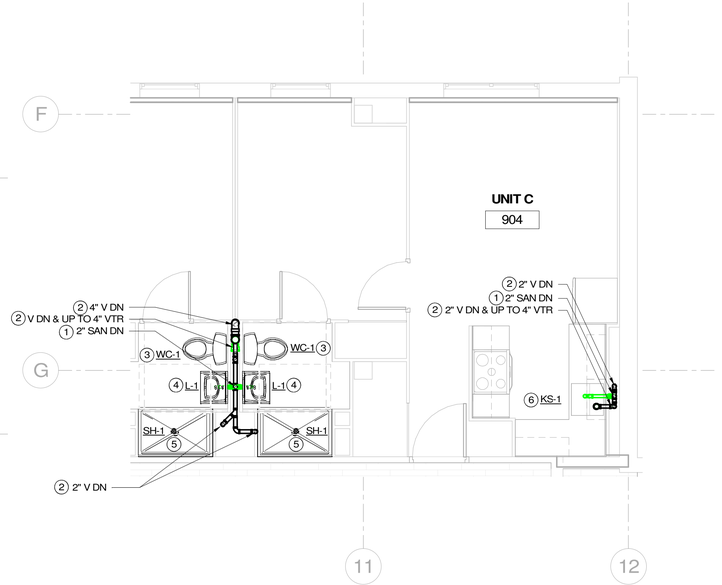
SCALE: 1/4" = 1'-0"



2 NINTH FLOOR UNIT B2 PLUMBING PLAN

P1005

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



3 NINTH FLOOR UNIT C PLUMBING PLAN

P1005

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

PLUMBING KEY NOTES:

1. NEW SANITARY PIPING.
2. NEW VENT PIPING.
3. NEW WATER CLOSET.
4. NEW LAVATORY AND FAUCET.
5. NEW SHOWER AND SHOWER VALVE.
6. NEW KITCHEN SINK AND FAUCET.

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DRAWING TITLE:
NINTH FLOOR UNITS ENLARGED PLUMBING PLANS

DRAWING NUMBER: **P4010**

REV: **0**

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PLUMBING FIXTURES

TAG	PLUMBING FIXTURE	FLOW	TYPE	MANUFACTURER	MODEL	FAUCET/VALVE TYPE	FAUCET/VALVE MANUFACTURER	FAUCET/VALVE MODEL	CW SIZE	HW SIZE	REMARKS
FD-1	FLOOR DRAIN	--	DURA-COATED CAST IRON	ZURN	Z415C	---	---	---	1/2"	---	3
FD-2	FLOOR DRAIN	--	EPOXY COATED FLOOR DRAIN	WATTS	FD-100-C-A	---	---	---	1/2"	---	3
KS-1	KITCHEN SINK	1.8	JUST SINK DROP IN SL2122A-J 22" x 22" x7 5/8"	JUSTMFG.COM	SL2122A-J	TWO HANDLE KITCHEN FAUCET WITH SPRAYER	DELTA	B2310LF	1/2"	1/2"	---
KS-2	KITCHEN SINK	1.8	JUST SINK DROP IN DLADA2233A55-J 33" x 22" x 5 1/2"	JUSTMFG.COM	SL2122A-J	TWO HANDLE ADA FAUCET	DELTA	B2310LF	1/2"	1/2"	---
KS-3	KITCHEN SINK	1.8	UNDERMOUNT 35"X18"X9" SINK	AMERICAN STANDARD	18CR.9351800.075	SINGLE HANDLE SPRAYER	KINGTON	LS8508CTL	1/2"	1/2"	---
L-1	LAVATORY	.5	(20-1/2" X 18-1/4" X 12-1/8") HIGH, VITREOUS CHINA, WALL HUNG, FOR CARRIER WITH EXPOSED ARMS, FRONT OVERFLOW, SELF-DRAINING FAUCET LEDGE, CONTOURED BACK AND SIDE SPLASH SHIELD.	AMERICAN STANDARD	0356.041	TWO HANDLE ADA FAUCET	KOHLER	K-400T20-4ANA	1/2"	1/2"	4
L-2	LAVATORY ADA	.5	(20-1/2" X 18-1/4" X 12-1/8") HIGH, VITREOUS CHINA, WALL HUNG, FOR CARRIER WITH EXPOSED ARMS, FRONT OVERFLOW, SELF-DRAINING FAUCET LEDGE, CONTOURED BACK AND SIDE SPLASH SHIELD.	AMERICAN STANDARD	0356.041	TWO HANDLE ADA FAUCET	KOHLER	K-400T20-4ANA	1/2"	1/2"	4
L-3	LAVATORY ADA	.5	WHEELCHAIR 20" WALL MOUNTED PORCELAIN BATHROOM SINK	AMERICAN STANDARD	9141.011	TWO HANDLE ADA HIGH ARC FAUCET	AMERICAN STANDARD	7500175.002	1/2"	1/2"	4
MB-1	MOP SINK	3	LAKEWELL WALL MOUNTED CAST IRON UTILITY SINK WITH 22" LENGTH	AMERICAN STANDARD	7692008.020	TWO HANDLE FAUCET	AMERICAN STANDARD	8340.243	1/2"	1/2"	---
SH-1	SHOWER BASE	1.8	32"x50" SHOWER BASE	MAXX	3492170	SINGLE HANDLE	SPEAKMAN	CPV-T / SM-3000	1/2"	1/2"	---
SH-2	SHOWER BASE ADA	1.8	32"x50" SHOWER BASE	FREEDOM SHOWER	APR3248CBF	SINGLE HANDLE	SPEAKMAN	CPV-T / SM-3000	1/2"	1/2"	---
UR-1	URINAL	.5	VITREOUS CHINA WASHOUT UNIVERSAL URINAL WITH EVERCLEAN	AMERICAN STANDARD	6590001EC.020	MANUAL FLUSH VALVE	SLOAN	REGAL 186-0.5	3/4"	---	---
WC-1	WATER CLOSET	1.1	CADET 1.1 GPF FLOWISE	AMERICAN STANDARD	2467100.020	---	---	---	1/2"	---	2
WC-2	ADA WATER CLOSET	1.1	CADET 1.1 GPF FLOWISE	AMERICAN STANDARD	2467100.020	---	---	---	1/2"	---	2
WC-3	WATER CLOSET	1.28	AFWALL MILLENNIUM FLOWISE 1.28 GPF	AMERICAN STANDARD	3351101.020	MANUAL FLUSH VALVE	SLOAN	ROYAL 113-1.28-SF	1"	---	1
WC-4	ADA WATER CLOSET	1.28	AFWALL MILLENNIUM FLOWISE 1.28 GPF	AMERICAN STANDARD	3351101.020	MANUAL FLUSH VALVE	SLOAN	ROYAL 113-1.28-SF	1"	---	1

NOTES:

1. AMERICAN STANDARD SEAT #5901.100.
2. AMERICAN STANDARD SEAT #5324.019.
3. PROVIDE A TRAP PRIMER.
4. PROVIDE A ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.

DOMESTIC WATER HEATER

TAG ABBR.	TAG #	LOCATION	QTY.	VOLUME (GAL)	GAS TYPE	INLET PRESSURE	CAPACITY INPUT (BTUH)	CAPICITY OUTPUT (BTUH)	EFFECIENCY %	DOMESTIC WATER INLET TEMP. (F)	DOMESTIC WATER OUTLET TEMP. (F)	ELECTRICAL DATA VOLTS	ELECTRICAL DATA PH	MFR	MODEL	REMARKS
GWH	1	GROUND LEVEL	1	85	GAS	14" W.C.	366000	365000	80	40	140	120 V	1	A. O. SMITH	BTR-365A	1, 2

NOTES:

1. PROVIDE A THERMAL EXPANSION ABSORER (FLEXCON INDUSTRIES PH12 EXPANSION TANK (4.8GAL))
2. REMOVE AND INSTALL A NEW THERMOSTATIC MIXING VALVE

SUMP PUMP

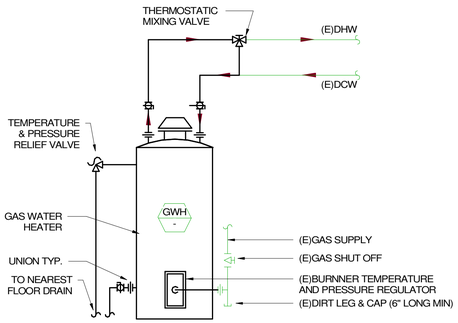
TAG ABBR.	TAG #	DISCHARGE SIZE (IN)	CAPACITY (GPM)	QTY. OF PUMPS	MATERIAL	ELECTRICAL DATA HP	ELECTRICAL DATA VOLTS	ELECTRICAL DATA PH	MANUFACTURER	MODEL	REMARKS
SP	1	3	30	1	Powder-Coated Epoxy	0.3	120 V	1	ZOELLER	N55	

THERMOSTATIC MIXING VALVE (TMV)

TAG ABBR.	TAG #	FIXTURE TYPE	LOCATION	OUTLET TEMP. (F)	FLOW @ AP (GPM@PSI)	MIN. FLOW (GPM)	MANUFACTURER	MODEL	REMARKS
TMV	1	LAVATORY	TOILET ROOMS	105	0.35	0.25	WATTS	LFUSG-B	

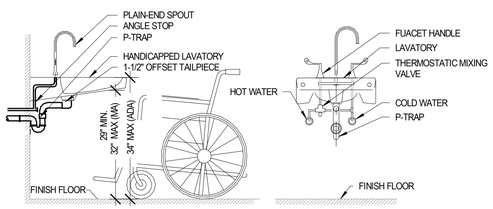
NOTES:

1. INSTALL WITH EACH LAVATORY



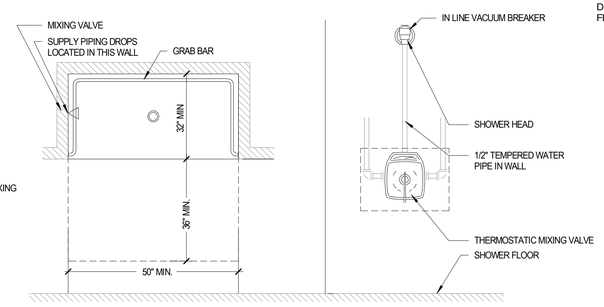
GAS WATER HEATER DETAIL

SCALE: NTS



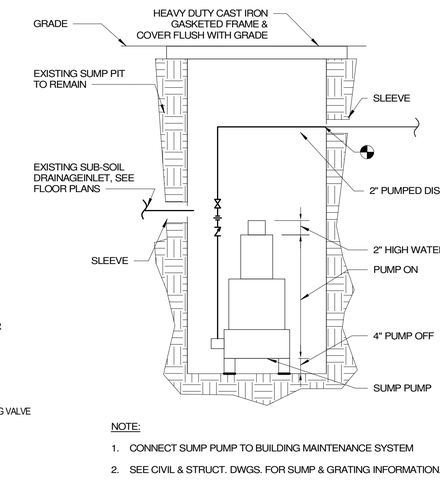
ACCESSIBLE LAVATOR

SCALE: NTS



32" X 50" ADA SHOWER PLAN AND PIPING SCHEMATIC

SCALE: NTS

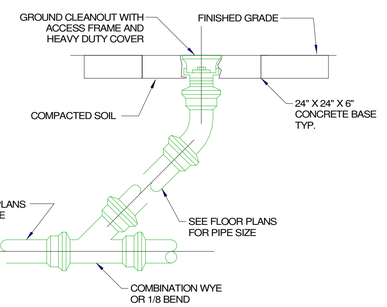


NOTE:

1. CONNECT SUMP PUMP TO BUILDING MAINTENANCE SYSTEM
2. SEE CIVIL & STRUCT. DWGS. FOR SUMP & GRATING INFORMATION.

SUMP PUMP DETAIL

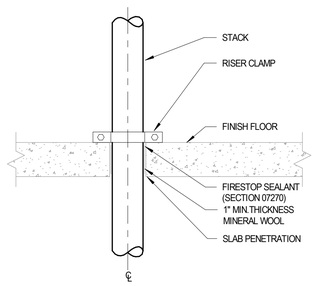
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GROUND CLEANOUT DETAIL

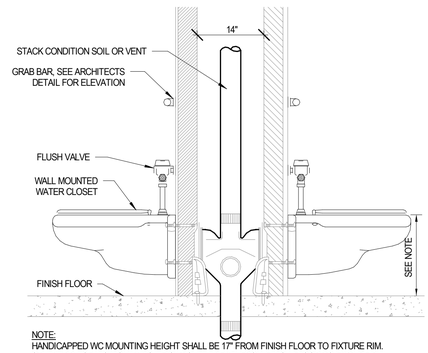
SCALE: NTS

NOTE:
1. FIRESTOP SEALANTS AND PIPING PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL COMPLY WITH THE UL FIRE RESISTANCE DIRECTORY.



TYPICAL FIRE RATED PIPE SLAB PENETRATION DETAIL

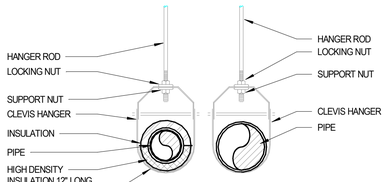
SCALE: NTS



NOTE:
HANDICAPPED WC MOUNTING HEIGHT SHALL BE 17" FROM FINISH FLOOR TO FIXTURE RIM. STANDARD USE WC MOUNTING HEIGHT SHALL BE 15" FROM FINISH FLOOR TO FIXTURE RIM.

CHASE CROSS SECTION

SCALE: NTS

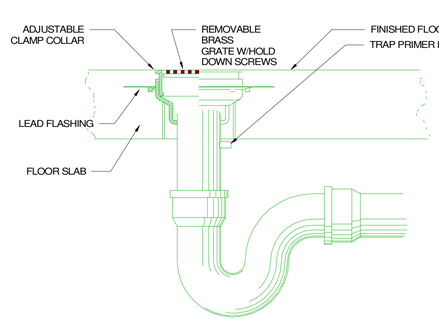


HANGER ROD SCHEDULE	
PIPE SIZE	ROD SIZE
UP TO 2"	3/8" DIA.
2 1/2" THRU 3"	1/2" DIA.
4" AND 5"	5/8"
6" THRU 8"	3/4"
12"	7/8"

HANGER ROD SPACING	
PIPE SIZE	MAX. ALLOWABLE SPACING
1"	7'
1 1/4"	8'
1 1/2"	9'
2"	10'
2 1/2"	11'
3" THRU 8"	12'
10" & 12"	15"

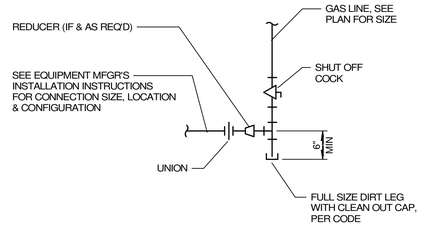
PLUMBING PIPE HANGER INSTALLATION DETAIL

SCALE: NTS



FLOOR DRAIN DETAIL

SCALE: NTS



GAS APPLIANCE CONNECTION DETAIL

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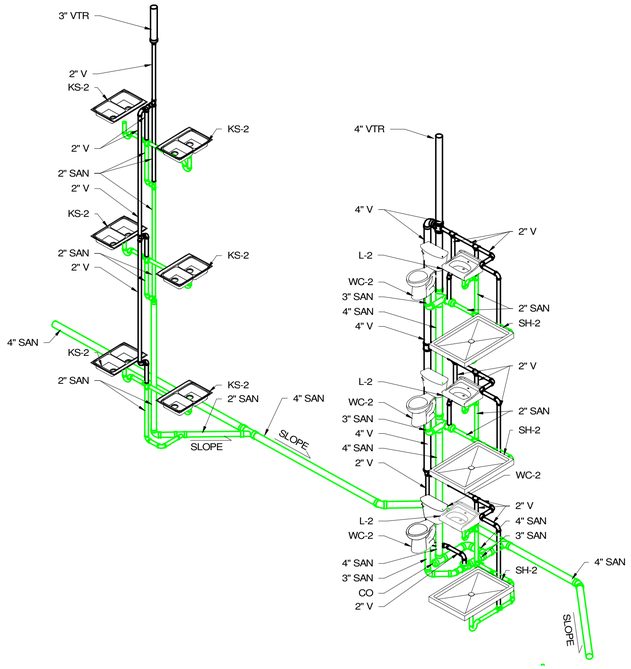
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PLUMBING SCHEDULES

DRAWING NUMBER: **P6000**

REV: **0**

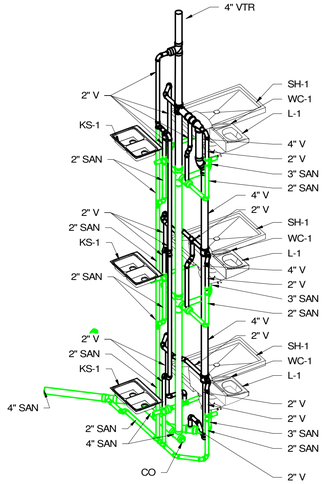
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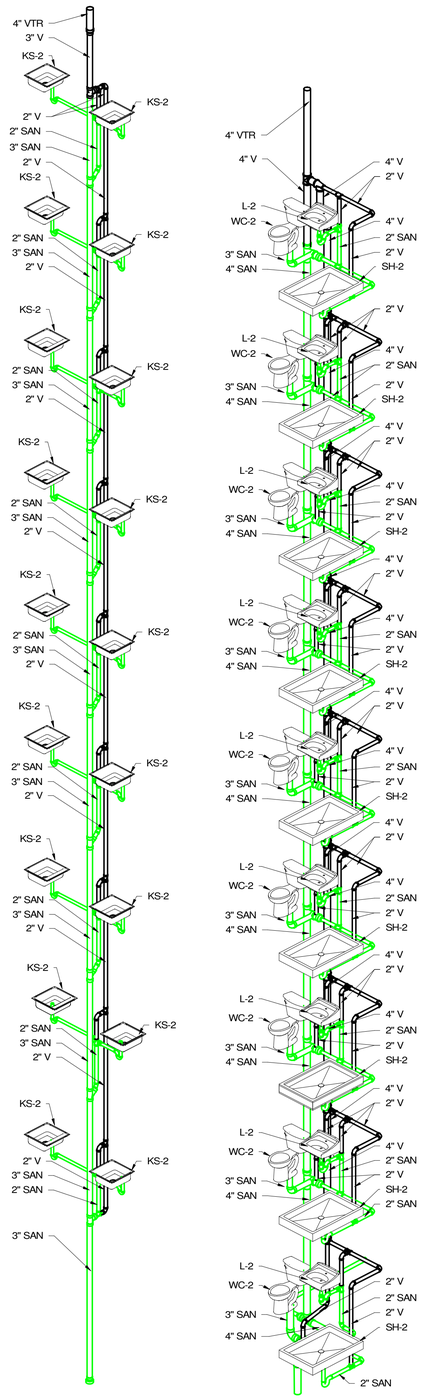
UNIT A PLUMBING ISO

SCALE: NTS



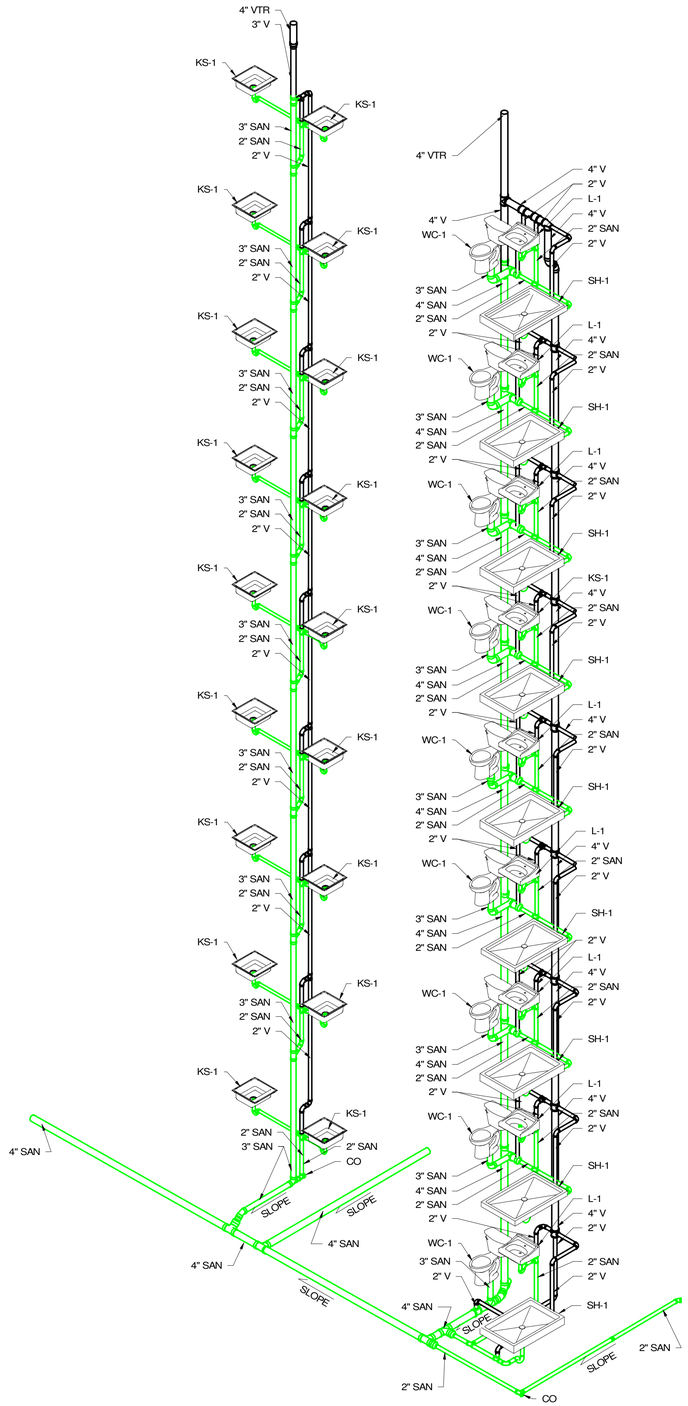
UNIT D PLUMBING ISO

SCALE: NTS



UNIT B1 PLUMBING ISO

SCALE: NTS



UNIT B2 PLUMBING ISO

SCALE: NTS

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SCALE	AS NOTED

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
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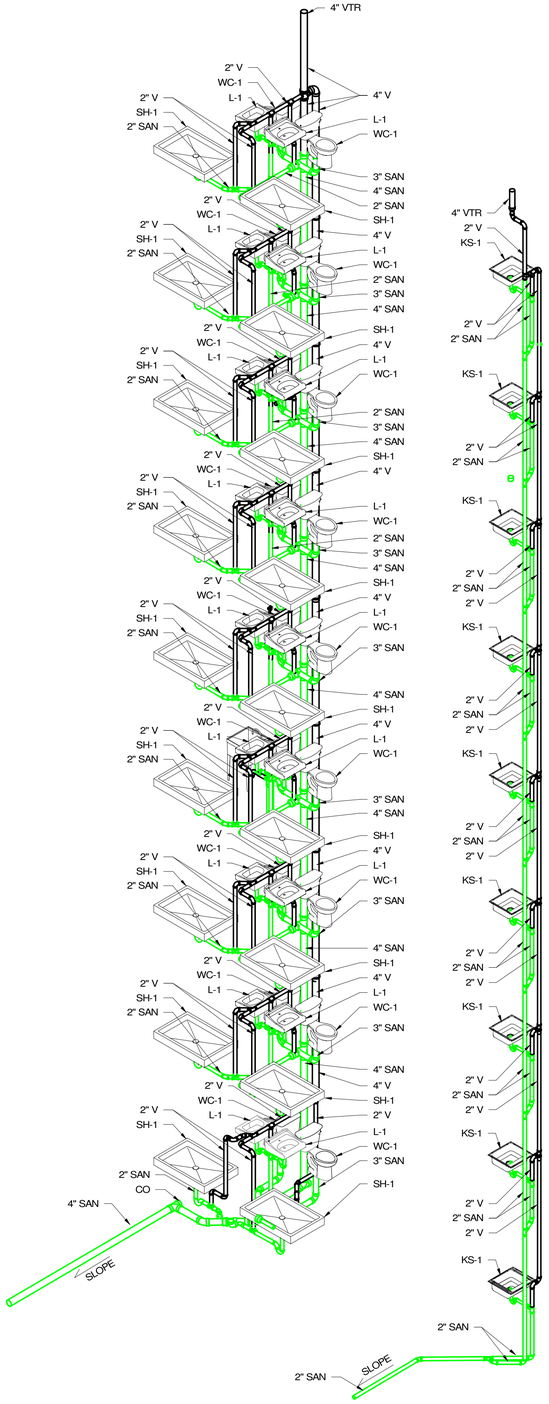
DRAWING TITLE:
PLUMBING ISOMETRICS

DRAWING NUMBER: **P9000**

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7/17/2025 1:00:15 PM

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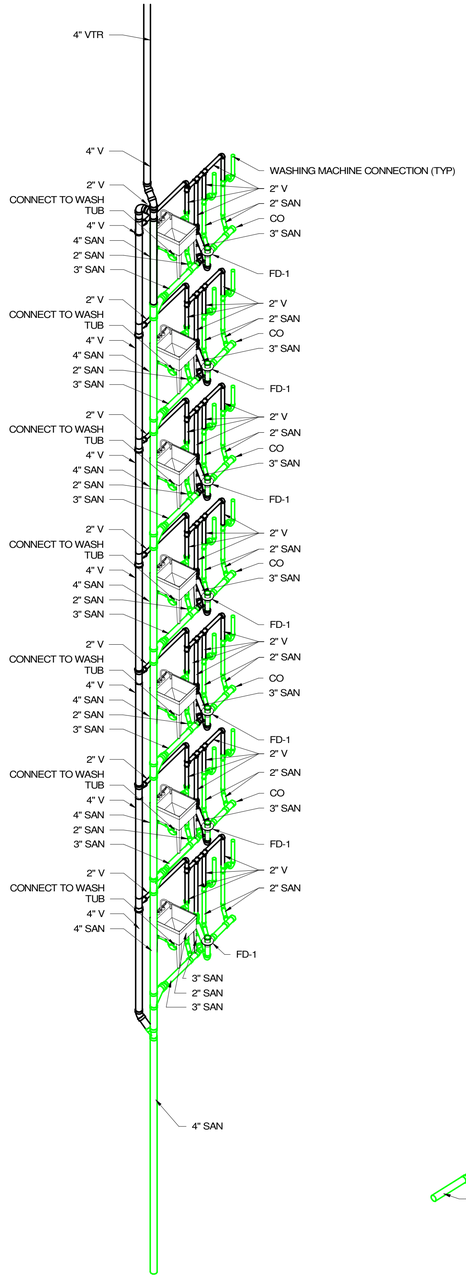


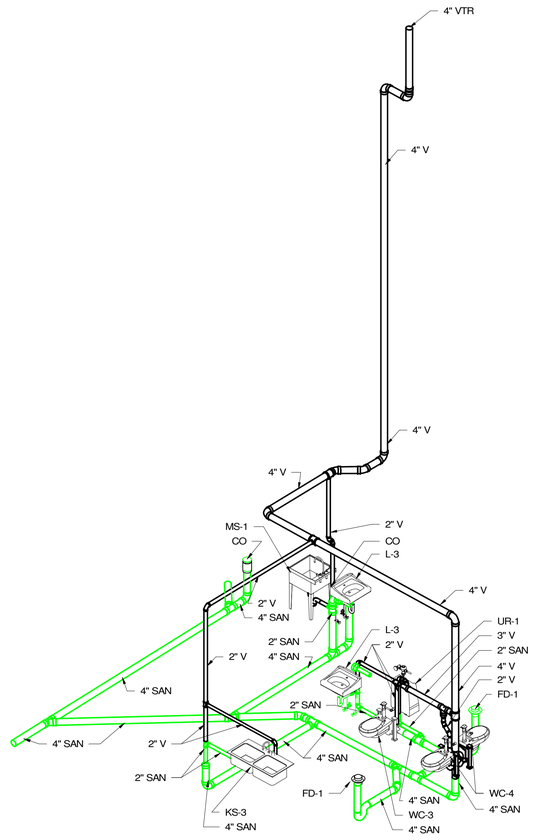
UNIT C PLUMBING ISO

SCALE: NTS

BUILDING LAUNDRY

SCALE: NTS

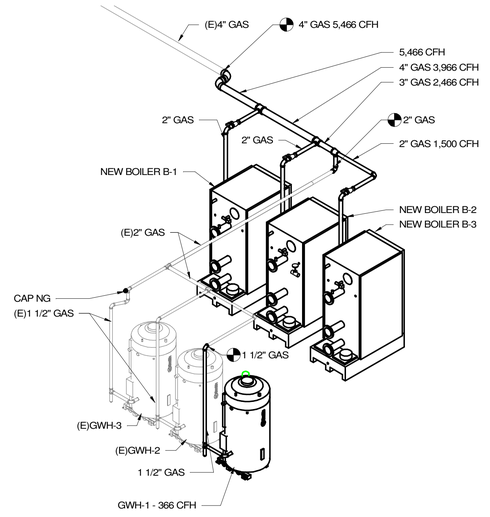




GROUND LEVEL TOILET ROOM AND KITCHEN PLUMBING ISO

SCALE: NTS

NATURAL GAS SCHEDULE		
MARK	AREA SERVED	INPUT MBH
GWH-1	BUILDING HOT WATER SYSTEM	366
(E)GWH-2	BUILDING HOT WATER SYSTEM	300
(E)GWH-3	BUILDING HOT WATER SYSTEM	300
B-1	BUILDING HYDRONIC SYSTEM	1,500
B-2	BUILDING HYDRONIC SYSTEM	1,500
B-3	BUILDING HYDRONIC SYSTEM	1,500
	TOTAL	5,466



BOILER AND WATER HEATER GAS PIPING

SCALE: NTS

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DRAWING TITLE:
PLUMBING ISOMETRICS

DRAWING NUMBER: **P9001**

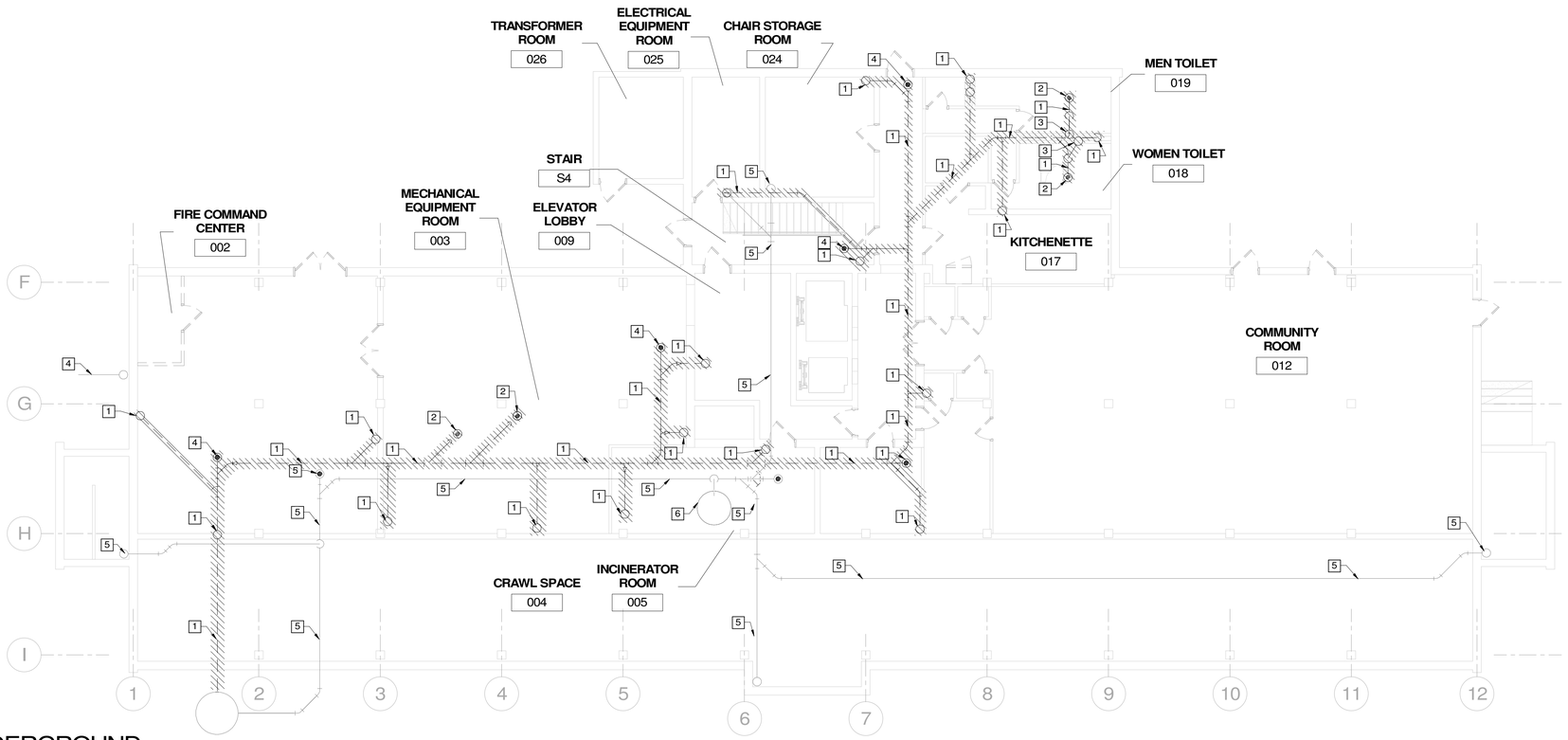
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7/17/2025 1:13:36 PM

NOT FOR CONSTRUCTION

PLUMBING DEMOLITION KEY NOTES:

1. REMOVE SANITARY PIPING.
2. REMOVE FLOOR DRAINS, FLOOR DRAIN TRAPS AND TRAP PRIMER.
3. REMOVE VENT PIPING.
4. REMOVE CLEAN OUTS.
5. STORM PIPING TO REMAIN.
6. REMOVE EXISTING SUMP PUMP IN-KIND, BASIN TO REMAIN.



PLUMBING DEMOLITION UNDERGROUND PLAN

(E) MH TO REMAIN (MANHOLE)

SCALE: 1/8" = 1'-0"

N

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DRAWING TITLE:
PLUMBING DEMOLITION UNDERGROUND PLAN

DRAWING NUMBER: **PD1000**

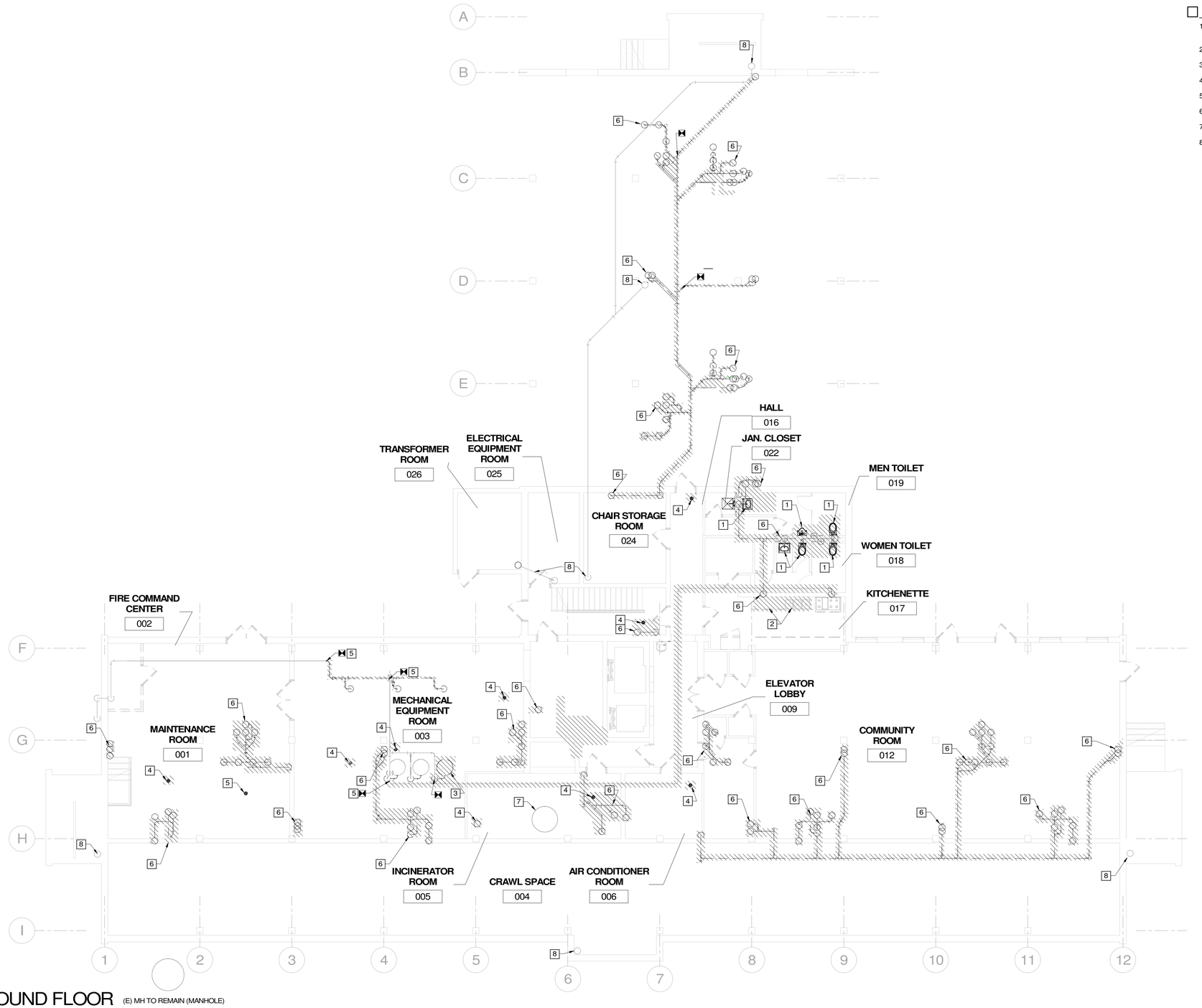
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7/17/2025 1:00:29 PM

NOT FOR CONSTRUCTION

PLUMBING DEMOLITION NOTES:

1. REMOVE WALL MOUNTED TOILETS, URINALS AND WALL HUNG LAVATORYS.
2. REMOVE KITCHEN SINK, FAUCET AND GREASE INTERCEPTOR.
3. REMOVE EXISTING GWH-1.
4. REMOVE ALL FLOOR DRAINS AND CLEAN OUT.
5. REMOVE AND CAP GAS PIPING AS SHOWN FOR FUTURE USE.
6. REMOVE SANITARY PIPING AND VENT PIPING.
7. REMOVE EXISTING SUMP PUMP (BASIN TO REMAIN).
8. STORM PIPING TO REMAIN.



PLUMBING DEMOLITION GROUND FLOOR PLAN

(E) MH TO REMAIN (MANHOLE)

SCALE: 1/8" = 1'-0"

N

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DRAWING TITLE:
PLUMBING DEMOLITION GROUND FLOOR PLAN

DRAWING NUMBER: **PD1001**

REV: **0**

7/17/2025 1:00:36 PM



PLUMBING DEMOLITION KEY NOTES:

1. REMOVE SANITARY AND VENT PIPING.
2. REMOVE VENT PIPING
3. REMOVE SHOWER BASE AND REMOVE SHOWER VALVE.
4. REMOVE ALL FIXTURES (WATER CLOSET, LAVATORY & KITCHEN SINK)
5. STORM PIPING TO REMAIN
6. ABANDON PIPING IN PLACE

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PLUMBING DEMOLITION FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

N

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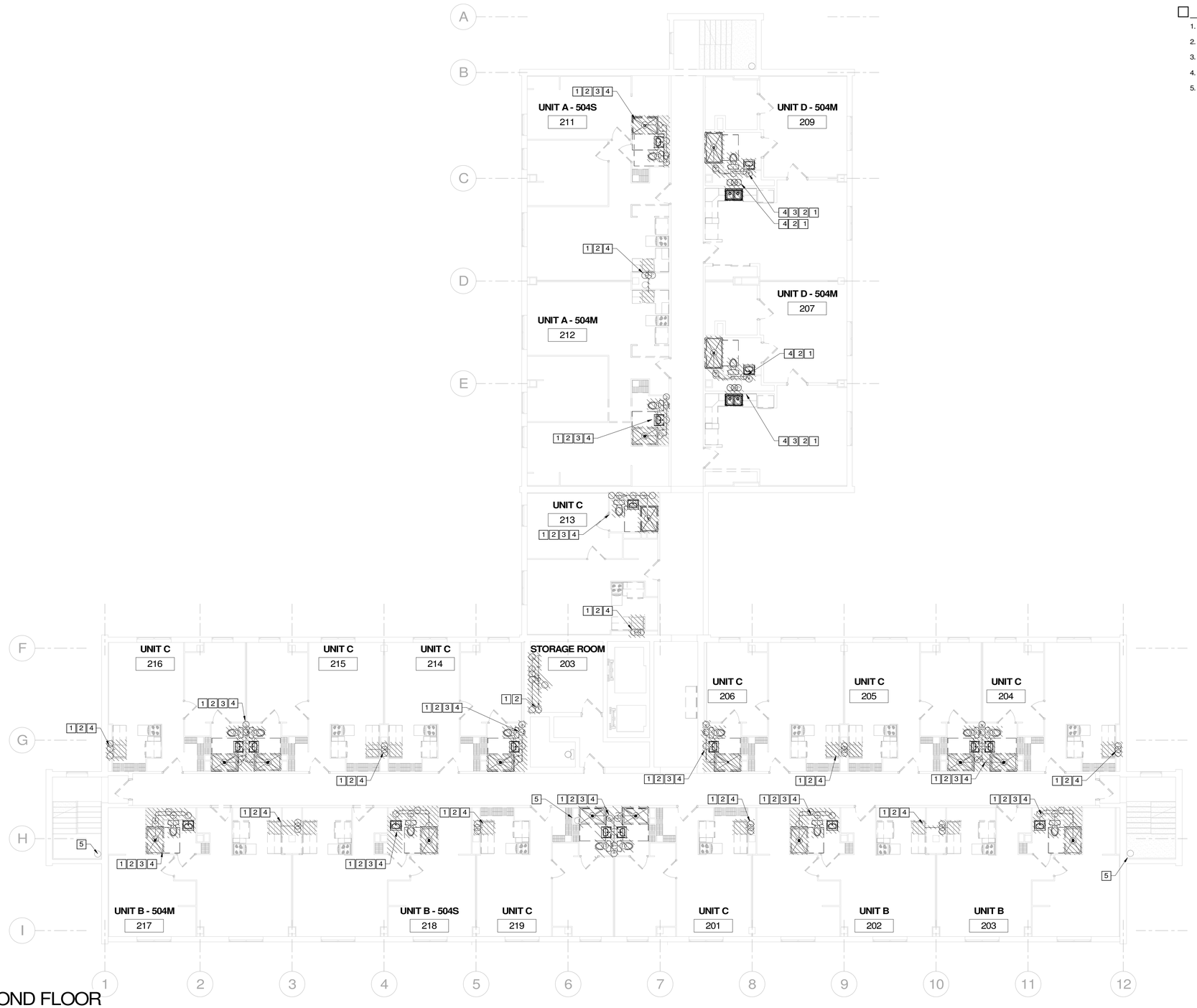
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DRAWING TITLE:
PLUMBING DEMOLITION FIRST FLOOR PLAN

DRAWING NUMBER: **PD1002**

REV: **0**

7/17/2025 1:00:46 PM



PLUMBING DEMOLITION KEY NOTES:

1. REMOVE SANITARY AND VENT PIPING.
2. REMOVE VENT PIPING
3. REMOVE SHOWER BASE AND REMOVE SHOWER VALVE
4. REMOVE ALL FIXTURES (WATER CLOSET, LAVATORY & KITCHEN SINK)
5. STORM PIPING TO REMAIN

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PLUMBING DEMOLITION SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

N

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DRAWING TITLE:
PLUMBING DEMOLITION SECOND FLOOR PLAN

DRAWING NUMBER: **PD1003**

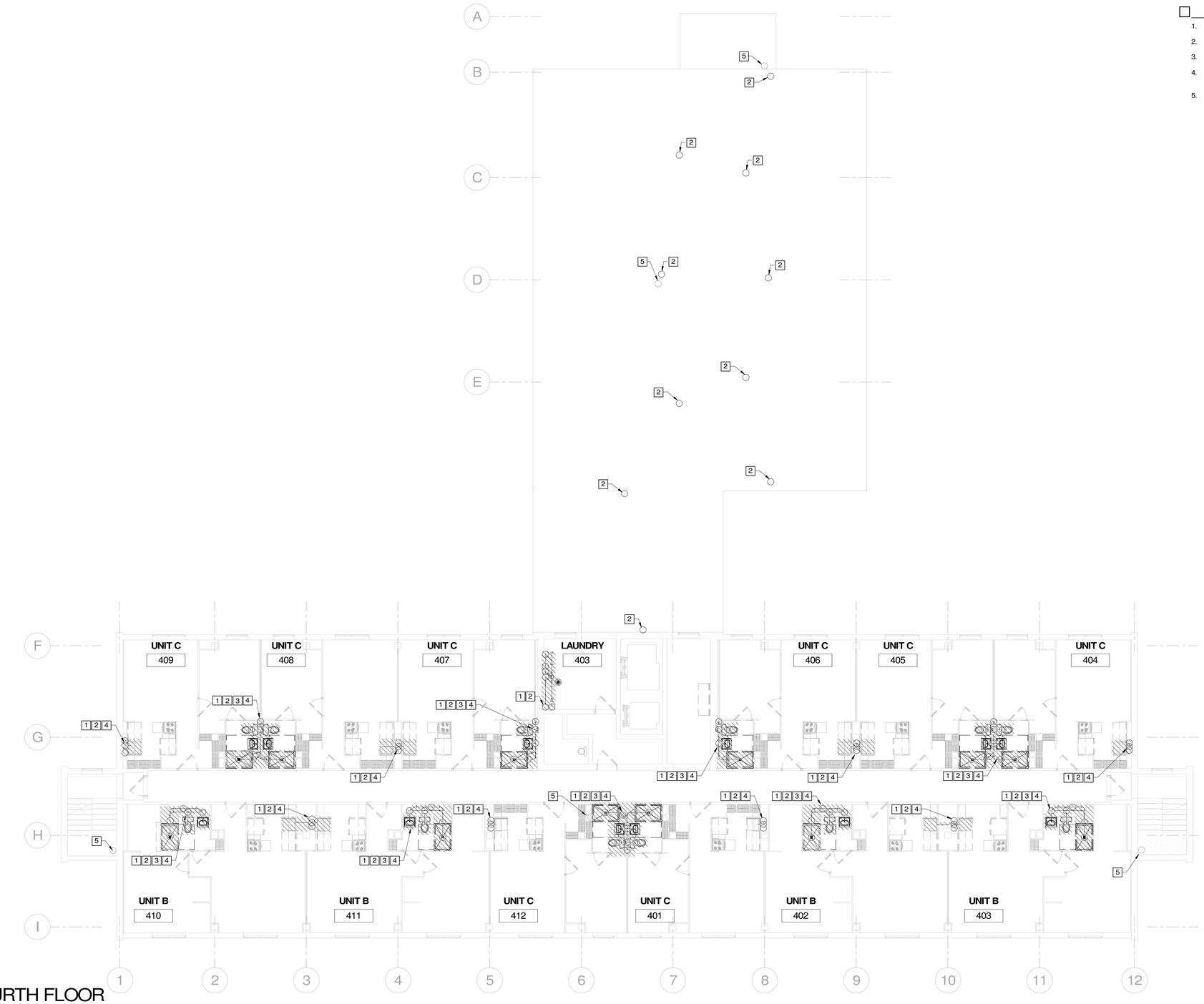
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PLUMBING DEMOLITION KEY NOTES:

1. REMOVE SANITARY AND VENT PIPING.
2. REMOVE VENT PIPING
3. REMOVE SHOWER BASE AND REMOVE SHOWER VALVE
4. REMOVE ALL FIXTURES (WATER CLOSET, LAVATORY & KITCHEN SINK)
5. STORM PIPING TO REMAIN



PLUMBING DEMOLITION FOURTH FLOOR PLAN

SCALE: 1/8" = 1'-0"

N

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DRAWING TITLE:
PLUMBING DEMOLITION FOURTH FLOOR PLAN

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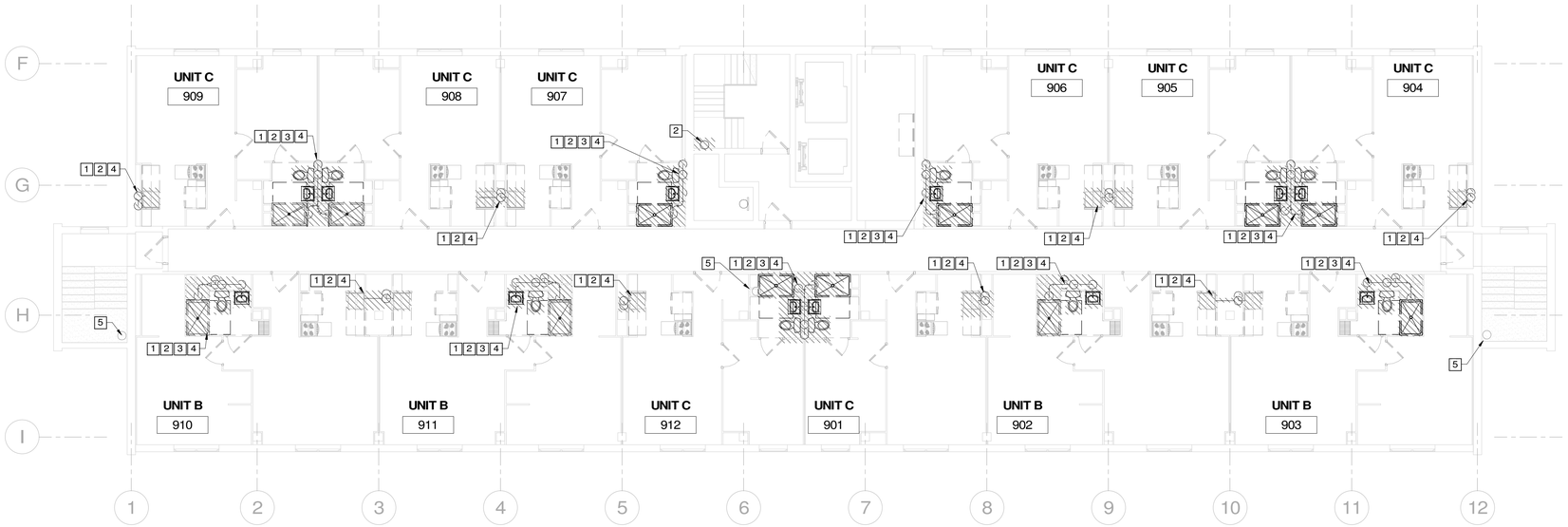
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PLUMBING DEMOLITION KEY NOTES:

1. REMOVE SANITARY AND VENT PIPING.
2. REMOVE VENT PIPING
3. REMOVE SHOWER BASE AND REMOVE SHOWER VALVE
4. REMOVE ALL FIXTURES (WATER CLOSET, LAVATORY & KITCHEN SINK)
5. EXISTING STORM PIPING TO REMAIN



PLUMBING DEMOLITION NINTH FLOOR PLAN

SCALE: 1/8" = 1'-0"

N

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DRAWING TITLE:
PLUMBING DEMOLITION NINTH FLOOR PLAN

DRAWING NUMBER: **PD1005**

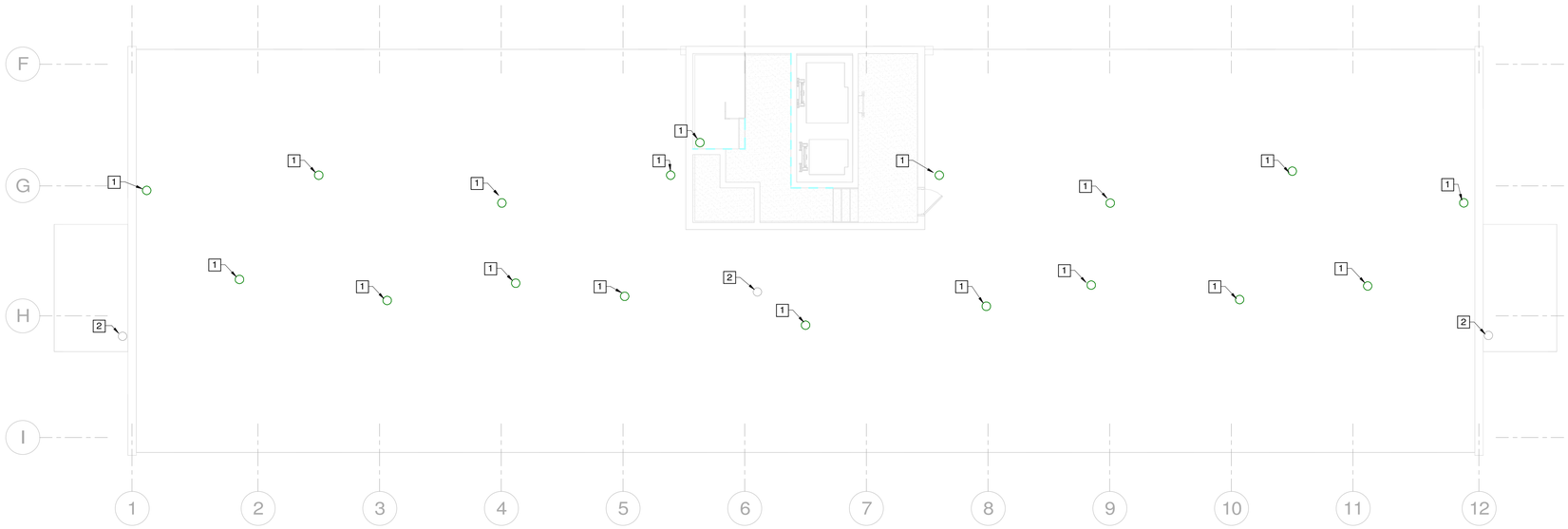
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7/17/2025 1:01:06 PM

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PLUMBING DEMOLITION KEY NOTES:

1. REMOVE SANITARY PIPING AND VENT PIPING.
2. STORM PIPING TO REMAIN



N

DEMOLITION ROOF PLUMBING PLAN

SCALE: 1/8" = 1'-0"

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DRAWING TITLE:
PLUMBING DEMOLITION ROOF PLAN

DRAWING NUMBER: **PD1006**

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7/17/2025 1:01:12 PM

MECHANICAL GENERAL NOTES

1. THE DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO PROVIDE A GENERAL GUIDELINE FOR THE CONSTRUCTION REQUIRED. ANY EXISTING COMPONENTS INDICATED ON THE DRAWINGS BASED ON RECORD DOCUMENTS AND MAY NOT EXIST OR REPRESENT EXACT DIMENSIONS, QUANTITY, LOCATIONS AND ELEVATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND START OF WORK.
2. FINAL ELECTRICAL POWER CONNECTIONS TO THE MECHANICAL EQUIPMENT SHALL BE BY THE ELECTRICAL CONTRACTOR.
3. FINAL GAS CONNECTIONS TO THE MECHANICAL EQUIPMENT SHALL BE BY THE PLUMBING CONTRACTOR.
4. ALL FIELD CONTROLS AND INTERLOCK WIRING SHALL BE FURNISHED AND INSTALLED BY THE TEMPERATURE CONTROLS CONTRACTOR.
5. ALL ROOF CURBS FOR THE MECHANICAL EQUIPMENT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR (UNLESS OTHERWISE NOTED) AND INSTALLED BY THE ARCHITECTURAL TRADES. COORDINATE WITH ROOF SLOPE AND STRUCTURAL DRAWINGS.
6. PROVIDE ALL ACCESS PANEL LOCATIONS REQUIRED FOR WALLS AND DRYWALL CEILINGS TO GENERAL CONTRACTOR FOR EQUIPMENT INSTALLATION AND SERVICE.
7. COORDINATE EQUIPMENT HOUSEKEEPING PAD, SIZE AND LOCATION, WITH ARCHITECTURAL AND STRUCTURAL TRADES.
8. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL TRADES PAINTING OF ALL EXPOSED DUCTWORK, DIFFUSERS, PIPING AND INSULATION.
9. ALL OVERHEAD DUCTWORK, PIPING AND MECHANICAL EQUIPMENT SHALL BE HUNG DIRECTLY FROM OR THROUGH UNISTRUT ATTACHED TO STRUCTURAL MEMBERS INCLUDING BEAMS, JOISTS, GIRTS OR TRUSSES. HANGERS SHALL BE ATTACHED TO STRUCTURAL MEMBERS BY BEAM CLAMPS BEARING ON BOTH SIDES. "C" CLAMPS ARE NOT ACCEPTABLE. INSTALLING HANGERS DIRECTLY ATTACHED TO ROOF DECK IS PROHIBITED. PROVIDE SUPPLEMENTAL STEEL AS REQUIRED TO PROPERLY SUPPORT ALL SYSTEMS. REFER TO SPECIFICATIONS FOR APPROVED HANGER TYPES. REFER TO ARCHITECTURAL AND STRUCTURAL DETAILS FOR APPROVED SUPPORT DETAILS. ALL HANGER/SUPPORT SYSTEMS AND METHODS ARE SUBJECT TO STRUCTURAL ENGINEER REVIEW AND APPROVAL.
10. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND DETAILS FOR LOCATIONS OF CEILING MOUNTED MECHANICAL COMPONENTS INCLUDING DIFFUSERS, GRILLES, SYSTEMS AND EQUIPMENT AND ASSOICATED ACCESS PANELS.
11. TEMPERATURE SENSORS (THERMOSTATS) MOUNTED ON EXTERIOR WALLS TO BE MOUNTED ON MIN. 1" THICK INSULATION.
12. KEEP ALL EXHAUST AIR AND SANITARY VENTS AWAY FROM OUTSIDE AIR INTAKE, AT LEAST A MINIMUM OF 10 FEET.

HVAC GENERAL NOTES

1. ALL SUPPLY AIR DUCTWORK (ROUND OR RECTANGULAR) SHALL BE INSTALLED IN ACCORDANCE WITH THE OHIO MECHANICAL CODE AND THE 2" W.G. TABLE IN THE LATEST EDITION OF THE SMACNA MANUAL. SEAL PER SMACNA SEAL CLASS "A".
2. ALL RETURN AND EXHAUST DUCTWORK (ROUND OR RECTANGULAR) SHALL BE SHALL BE INSTALLED IN ACCORDANCE WITH THE OHIO MECHANICAL CODE AND THE NEGATIVE 2" W.G. TABLE IN THE LATEST EDITION OF THE SMACNA MANUAL. SEAL PER SMACNA SEAL CLASS "A".
3. ALL DUCTWORK SHALL BE OF GALVANIZED STEEL CONSTRUCTION.
4. ALL ROUND DUCT ELBOWS SHALL BE LONG SWEEP, 1-1/2 TIMES THE CENTERLINE RADIUS UNLESS OTHERWISE NOTED.
5. ALL RECTANGULAR ELBOWS SHALL BE FURNISHED WITH DOUBLE THICKNESS TURNING VANES. TURNING VANES SHALL BE FASTENED WITH A DOUBLE ROW OF SCREWS.
6. INSTALL FLEXIBLE CONNECTIONS AT THE INLET AND OUTLET OF EQUIPMENT AND ASSOCIATED DUCTWORK. FLEXIBLE CONNECTIONS TO SHALL BE MADE WITH 3" WIDE DOUBLE NEOPRENE COATED FLAME RETARDANT, NFPA 90A APPROVED, FIBERGLASS FLEXIBLE CONNECTION. FLEXIBLE CONNECTION TO HAVE A MINIMUM OF 24 GAUGE, 3" WIDE SHEET METAL COLLARS PERMANENTLY ATTACHED TO EACH SIDE. THE MAXIMUM LENGTH OF THE FLEX DUCT TO THE AIR TERMINALS SHALL BE 5 FT.
7. MITERED OFFSETS GREATER THAN 30 DEGREES IN EITHER DIRECTION SHALL NOT BE PERMITTED.
8. CHANGES IN DUCT SIZES SHALL BE MADE BY UNIFORM TAPER SECTION WITH A MAXIMUM INCLUDED ANGLE OF DIVERGENCE OF 30 DEGREES.
9. VOLUME/BALANCING DAMPERS SHALL BE SINGLE BLADE UP TO 6" IN WIDTH AND MULTI-BLADE FOR LARGER SIZES. DAMPERS SHALL HAVE END BEARINGS AND SHALL INCORPORATE LOCKING TYPE INDICATING ADJUSTMENT. VOLUME DAMPERS SHALL BE INSTALLED IN ALL BRANCH DUCTS TO DIFFUSERS AND REGISTERS, EXHAUST GRILLES, DUCTED RETURN GRILLES AND WHERE REQUIRED BY THE TEST AND BALANCE CONTRACTOR TO ACHIEVE THE DESIGN AIRFLOW.
10. DOUBLE THICKNESS INSULATED ACCESS DOORS SHALL BE PROVIDED AT ALL FIRE DAMPERS FOR ACCESS TO FUSIBLE LINK. DOOR SHALL BE SIZED TO ALLOW FOR EASY SERVICE AND ACCESSIBILITY. ACCESS DOORS SHALL BE A MINIMUM OF 24" IN THE LONGEST DIMENSION.
11. CONTRACTOR SHALL CHANGE FILTERS IN ALL NEW UNITS WITH FILTERS AFTER ALL WORK HAS BEEN COMPLETED AND PRIOR TO AIR BALANCE. PROVIDE ONE (1) EXTRA SET OF FILTERS FOR ALL HVAC UNITS.
12. PROVIDE STRAIGHT HARD INLET DUCTWORK (2'-0" MINIMUM) TO ALL AIR TERMINAL UNITS. FLEX DUCT AT THE INLET OF THE TERMINAL UNITS ARE PROHIBITED.
13. PROVIDE FLEXIBLE CONNECTION AT DIFFUSER NECK. ALL FLEXIBLE DUCT SHALL BE INSULATED AND LIMITED TO 5'-0" IN LENGTH.
14. EXHAUST DUCT AND DUCTED RETURN GRILLES SHALL BE PROVIDED WITH HARD DUCT CONNECTION. FLEX DUCT IS NOT ACCEPTABLE.
15. PRIOR TO CLOSING CEILINGS AND AIR BALANCING, ALL DUCTWORK SHALL BE CAREFULLY INSPECTED AND TESTED FOR LEAKS. ALL DUCTWORK SHALL BE SEALED AIR-TIGHT WITH PREMIUM QUALITY DUCT SEALANT AND SUPPLEMENTAL MATERIALS AND METHODS PER SMACNA AND INDUSTRY STANDARDS.
16. AN INDEPENDENT "AABC" OR "NEBB" CERTIFIED AIR BALANCE CONTRACTOR SHALL TEST AND BALANCE THE SYSTEM. ALL AIR QUANTITIES SHALL BE WITHIN -10% AND + 10% OF THE DESIGN VALUES. CONTRACTOR SHALL PROVIDE ANY SHEAVE CHANGES REQUIRED ON ANY OF THE AIR MOVING EQUIPMENT. THE BALANCE CONTRACTOR SHALL FURNISH THE OWNER'S AUTHORIZED REPRESENTATIVE WITH TWO COPIES OF A CERTIFIED AIR BALANCE REPORT PRIOR TO PROJECT ACCEPTANCE.

GENERAL CONTRACT SPECIFICATIONS

1. EXCEPT AS SPECIFIED TO THE CONTRARY, THIS CONTRACT SHALL INCLUDE THE FURNISHING, INSTALLING, CONNECTING, AND OPERATION OF ALL EQUIPMENT AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY SIMILAR INSTALLATIONS. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO PROVIDE THE OWNER COMPLETE, CODE APPROVED AND OPERATIONAL SYSTEMS.
2. THIS CONTRACT SHALL ALSO INCLUDE ALL LABOR, MATERIALS AND MISCELLANEOUS EXPENSES FOR ALL REQUIRED MECHANICAL DEMOLITION OF THE EXISTING AREAS BEING RENOVATED. THE DEMOLITION SHALL CONSIST OF THE COMPLETE REMOVAL (PROPERLY DISPOSED OFF SITE UNLESS OTHERWISE NOTED) OF ALL EQUIPMENT, PIPING, DUCTWORK, MATERIALS, ETC. NOT REQUIRED IN THE FINAL DESIGN AND INSTALLATION. COORDINATE ALL DEMOLITION WITH THE OWNER'S AND BUILDING MANAGER'S GENERAL REQUIREMENTS.
3. THE DRAWINGS ARE DIAGRAMMATIC; ALL WORK SHALL BE PERFORMED AS INDICATED ON THE DRAWINGS UNLESS EXISTING CONDITIONS OR COORDINATION ISSUES REQUIRE CHANGES. THESE CHANGES SHALL BE MADE WITH NO ADDITIONAL COST TO THE OWNER.
4. ANY INCIDENTAL ITEMS OR LABOR, ETC. NOT INCLUDED IN THE SPECIFICATIONS OR THE DRAWINGS BUT REASONABLY IMPLIED AS NECESSARY FOR THE COMPLETE INSTALLATION OF ALL APPARATUS ARE TO BE FURNISHED WITHOUT ADDITIONAL COST. THE QUESTION AS TO WHETHER THE ITEM OR ITEMS ARE INCIDENTAL SHALL IN ALL CASES BE LEFT TO THE JUDGEMENT OF THE OWNER.
5. ALL WORK SHALL BE IN CONFORMANCE WITH THE LATEST EDITIONS OF ALL FEDERAL, STATE AND LOCAL CODES, ORDINANCES AND JURISDICTIONS INCLUDING BUT NOT LIMITED TO THE:
   A. 2024 OHIO BUILDING CODE
   B. 2024 OHIO MECHANICAL CODE
   C. REFERENCED AND INDUSTRIAL STANDARDS INCLUDING:
      C1. NFPA
      C2. OSHA
      C3. ASHRAE
   D. OWNER/PLANT STANDARDS - COORDINATE WITH OWNER REQUIREMENTS IN ADDITION TO THOSE SPECIFIED HEREIN.
6. CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY LICENSES, PERMITS, INSPECTIONS AND CERTIFICATES REQUIRED TO PROCEED WITH THE WORK. IF AND WHERE APPLICABLE, THIS SHALL INCLUDE ALL REQUIRED COORDINATION WITH THE LOCAL UTILITY COMPANIES AND THEIR ASSOCIATED FEES OR COSTS.
7. INSTALLATION OF ALL EQUIPMENT SHALL COMPLY WITH THE MANUFACTURER'S INSTALLATION MANUALS, REQUIREMENTS AND ANY ADDITIONAL GUIDELINES INDICATED ON THE PLANS OR SPECIFIED HEREIN. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL ACCESSORIES REQUIRED TO COMPLETE THE INSTALLATIONS.
8. SHOP DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF ALL EQUIPMENT AND ACCESSORIES PROVIDED FOR THE PROJECT WHETHER SPECIFIED HERE-IN OR ON THE DRAWINGS. REVIEW OF THE SHOP DRAWINGS SHALL BE FOR GENERAL DESIGN CONCEPT AND ADHERENCE WITH THE SPECIFICATIONS.
9. WHERE ONE OR MORE NAMES OF MANUFACTURERS ARE MENTIONED, ANY ONE MAY BE UTILIZED. IF CONTRACTOR INTENDS TO SUBSTITUTE ANY EQUIPMENT AS TO TYPE AND/OR MANUFACTURER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN-WRITING WITH REASONS FOR SUBSTITUTIONS SEVEN (7) DAYS PRIOR TO BID DUE DATE. AFTERWARDS, NO SUBSTITUTIONS WILL BE CONSIDERED.
10. ALL MATERIALS AND METHODS SPECIFIED HEREIN SHALL BE MINIMUM. IF A CONFLICT OCCURS, THE ENGINEER SHALL RESOLVE SUCH CONFLICT WITH THE CONTRACTOR CONFORMING TO THE ENGINEER'S DECISION.
11. THIS CONTRACT SHALL INCLUDE A VISIT TO THE JOB SITE AND TAKE INTO CONSIDERATION EXISTING MECHANICAL AND ELECTRICAL SYSTEMS. RELOCATE EXISTING DUCTWORK, PIPING AND EQUIPMENT AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
12. ALL EXISTING UTILITY AND MECHANICAL SERVICES SHALL BE FIELD VERIFIED. CORRECTIONS TO THE DESIGN AND INSTALLATION SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
13. CONTRACTOR SHALL VERIFY THAT ALL NEW PIPE PENETRATIONS THROUGH RATED ASSEMBLIES MEET APPROPRIATE CODE REQUIRED FIRESTOPPING REQUIREMENTS. COORDINATE LOCATIONS AND TYPES OF FIRESTOPPING MATERIALS WITH THE GENERAL CONTRACTOR.
14. EQUIPMENT, PIPING, ETC. SHALL NOT BE SUPPORTED FROM ANY CEILINGS, OTHER PIPING, CONDUIT, DUCTWORK, ROOF DECK, OR JOIST BRIDGING. ITEMS SHALL BE SUPPORTED FROM ACCEPTABLE STRUCTURAL BUILDING COMPONENTS AS DETERMINED BY THE ENGINEER AND INDUSTRY STANDARDS.
15. AFTER THE BALANCING AND ACCEPTANCE TESTS ARE COMPLETED AND ACCEPTED BY THE ENGINEER AND OWNER, AS-BUILT DOCUMENTATION SHALL BE PROVIDED. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO ACCURATE PLAN DRAWINGS, OPERATION AND MAINTENANCE MANUALS, SYSTEM AND CONTROL SCHEMATICS, WRITTEN SEQUENCE OF OPERATION, AND ALL FACTORY AND FIELD WIRING DIAGRAMS.
16. CONTRACTOR SHALL PROVIDE TRAINING OF THE SYSTEMS AND EQUIPMENT TO DESIGNATED PERSONNEL AND SHALL INCLUDE OPERATION AND MAINTENANCE MANUALS IN BOUND FORM PRIOR TO CONTRACT CLOSE-OUT.
17. SYSTEM PERFORMANCE AND ALL LABOR AND MATERIALS SHALL BE GUARANTEED PER OEM AND FOR ONE (1) YEAR AFTER ACCEPTANCE BY THE ENGINEER AND OWNER.

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
HVAC GENERAL NOTES

DRAWING NUMBER: **M0001**

REV: **0**

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MECHANICAL ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE	(E)	EXISTING / EXISTING TO REMAIN	HV	HEATING AND VENTILATION	(R)	RELOCATED
AC	AIR COMPRESSOR	EA	EXHAUST AIR	HVAC	HEATING, VENTILATION AND AIR CONDITIONING	RA	RETURN AIR
ACCU	AIR COOLED CONDENSING UNIT	EAT	ENTERING AIR TEMPERATURE	HW	DOMESTIC HOT WATER	RAT	RETURN AIR DRY BULB TEMPERATURE
ACRT	AIR CURTAIN	EAT	EXHAUST AIR TEMPERATURE	HZ	HERTZ	RCP	RADIANT CEILING PANEL
ACU	SPLIT SYSTEM AIR CONDITIONING UNIT	ECUH	ELECTRIC CABINET UNIT HEATER			RD	ROOF DRAIN
AD	ACCESS DOOR	EDH	ELECTRIC DUCT HEATER	ID	INSIDE DIAMETER	RD (O)	ROOF DRAIN (OVERFLOW)
AFF	ABOVE FINISHED FLOOR	EER	ENERGY EFFICIENCY RATIO	IE	INVERT ELEVATION	RF	RETURN FAN
AHU	AIR HANDLING UNIT	EEW	EMERGENCY EYEWASH	IH	INTAKE HOOD	RG	RETURN GRILLE
ALT	ALTERNATE	EF	EXHAUST FAN	IN	INCHES	RH	RELATIVE HUMIDITY
APD	AIR PRESSURE DROP	EFF	EFFICIENCY	IPLV	INTEGRATED PART LOAD VALUE	RH	RELIEF HOOD
APPROX	APPROXIMATE	EFTR	ELECTRIC FIN-TUBE RADIATOR	IR	INFRARED HEATER	RH	ROOF HYDRANT
AS	AIR SEPARATOR	EG	EXHAUST GRILLE	IW	INDUSTRIAL WASTE	RL	REFRIGERANT LIQUID
ASR	AUTOMATIC SPRINKLER RISER	EG	ETHYLENE GLYCOL	IW	INDIRECT WASTE	RLFA	RELIEF AIR
AUX	AUXILIARY	EJ	EXPANSION JOINT			RM	REFRIGERANT MIX (VRF SYSTEM)
		EL	EXPANSION LOOP	JC	JANITOR'S CLOSET	RPM	REVOLUTIONS PER MINUTE
B	BOILER	ELEC	ELECTRICAL	JP	JOCKEY PUMP	RS	REFRIGERANT SUCTION
BCC	BRANCH CIRCUIT CONTROLLER (VRF SYSTEM)	ERL	ENERGY RECOVERY LOOP			RTU	ROOFTOP UNIT
BCU	BLOWER COIL UNIT	ERLR	ENERGY RECOVERY LOOP RETURN	KEF	KITCHEN EXHAUST FAN		
BDD	BACKDRAFT DAMPER	ERLS	ENERGY RECOVERY LOOP SUPPLY	KW	KILOWATTS	SA	SUPPLY AIR
BFP	BACKFLOW PREVENTER	ERV/ERU	ENERGY RECOVERY VENTILATION UNIT	KWH	KILOWATT HOURS	SA	SOUND ATTENUATOR
BAS	BUILDING AUTOMATION SYSTEM	ERW	ENERGY RECOVERY WHEEL			SAN	SANITARY WASTE
BMS	BUILDING MANAGEMENT SYSTEM	ESH	COMBINATION EMERGENCY SHOWER / FACE WASH	LAT	LEAVING AIR DRY BULB TEMPERATURE	SAT	SUPPLY AIR DRY BULB TEMPERATURE
BOD	BOTTOM OF DUCT	ESP	EXTERNAL STATIC PRESSURE	LAV	LAVATORY SINK	SD	SUPPLY DIFFUSER
BOP	BOTTOM OF PIPE	EWC	ELECTRIC WATER COOLER	LD	LINEAR DIFFUSER	SEER	SEASONAL ENERGY EFFICIENCY RATIO
BSB	BRANCH SELECTOR BOX (VRF SYSTEM)	EWH	ELECTRIC WATER HEATER	LL	LOW LIMIT	SF	SUPPLY FAN
BTU	BRITISH THERMAL UNIT	EWT	ENTERING WATER TEMPERATURE	LPC	LOW PRESSURE CONDENSATE	SH	SHOWER
BTUH	BRITISH THERMAL UNIT PER HOUR	EXT	EXPANSION TANK	LPS	LOW PRESSURE STEAM	SK	SINK
		EXH	EXHAUST	LRA	LOCKED ROTOR AMPS	SMR	SNOWMELT RETURN
CA	COMPRESSED AIR			LV	LOUVER	SMS	SNOWMELT SUPPLY
CAP	CAPACITY	FCO	FLOOR CLEAN-OUT	LWT	LEAVING WATER TEMPEATURE	SP	STATIC PRESSURE
CAV	CONSTANT AIR VOLUME	FCU	FAN COIL UNIT			SPEC	SPECIFICATION
CB	CATCH BASIN	FD	FLOOR DAIN	MA	MIXED AIR	S/S	START/STOP
CC	COOLING COIL	FD	FIRE DAMPER	MAT	MIXED AIR DRY BULB TEMPERATURE	SS	SERVICE SINK
CD	CONDENSATE - GRAVITY	FSD	COMBINATION FIRE & SMOKE DAMPER	MAU	MAKE-UP AIR UNIT	ST	STORM WATER GRAVITY
CD-P	CONDENSATE - PUMPED	FH	FIRE HYDRANT	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR	ST	STORAGE TANK
CFH	CUBIC FEET PER HOUR	FHC	FIRE HOSE CABINET	MCA	MINIMUM CIRCUIT AMPS	ST-P	PUMPED STORM WATER
CFM	CUBIC FEET PER MINUTE	FHV	FIRE HOSE VALVE	MECH	MECHANICAL	STM	STEAM
CH	CHILLER	FLA	FULL LOAD AMPS	MFR / MFG	MANUFACTURER	SW	SWITCH
CHW	CHILLED WATER	FM	FLOW MEASURING STATION	MH	MANHOLE		
CHWP	CHILLED WATER PUMP	FP	FIRE PUMP	MMBTU	MILLION BRITISH THERMAL UNITS	TAB	TESTING, ADJUSTING AND BALANCING
CHWR	CHILLED WATER RETURN	FPB	FAN POWERED TERMINAL UNIT	MOCP	MAXIMUM OVERCURRENT PROTECTION	TC	TEMPERATURE CONTROL
CHWS	CHILLED WATER SUPPLY	FPM	FEET PER MINUTE	M/S	MOTOR STARTER	TD	TRENCH DRAIN
CLG	COOLING	FPS	FEET PER SECOND	MTD	MOUNTED	TEMP	TEMPERATURE
CO	CLEANOUT	FT	FEET			TEMP	TEMPORARY
COD	CENTER OF DUCT	FTR	FIN-TUBE RADIATOR	(N)	NEW	TG	TRANSFER GRILLE
CONT	CONTINUED			NC	NORMALLY CLOSED	TOD	TOP OF DUCT
CONTR	CONTRACTOR	G	NATURAL GAS	NG	NATURAL GAS	TOP	TOP OF PIPE
COP	CENTER OF PIPE	GA	GAUGE	NIC	NOT IN CONTRACT	TSP	TOTAL STATIC PRESSURE
COP	COEFFICIENT OF PERFORMANCE	GAL	GALLON	NO	NORMALLY OPEN	T-STAT	THERMOSTAT
CP	CIRCULATION PUMP	GMU	GLYCOL MAKE-UP UNIT	NOM	NOMINAL	TYP	TYPICAL
CPF	CHEMICAL POT FEEDER	GPF	GALLONS PER FLUSH	NPCW	NON-POTABLE COLD WATER		
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT	GPH	GALLONS PER HOUR	NPLV	NON-STANDARD PART LOAD VALUE	U/G	UNDERGROUND
CRU	CONDENSATE RETURN UNIT	GPM	GALLONS PER MINUTE	NPSHR	NET POSITIVE SUCTION HEAD REQUIRED (PUMP)	UH	UNIT HEATER
CT	COOLING TOWER	GUH	GAS UNIT HEATER			UNO	UNLESS NOTED OTHERWISE
CUH	CABINET UNIT HEATER	GWH	GAS WATER HEATER	OA	OUTSIDE AIR	UV	UNIT VENTILATOR
CW	DOMESTIC COLD WATER			OAT	OUTSIDE AIR DRY BULB TEMPERATURE		
CWR	CONDENSER WATER RETURN	H	HUMIDIFIER	O.C.	ON CENTER	V	VENT
CWS	CONDENSER WATER SUPPLY	HB	HOSE BIBB	OCC	OCCUPANCY SENSOR	V	VALVE
		HC	HEATING COIL	OD	OUTSIDE DIAMETER	VAC	VACUUM
DA	DISCHARGE AIR	HEX	HEAT EXCHANGER	OS&Y	OUTSIDE SCREW AND YOLK	VAV / TU	VAV BOX / TERMINAL UNIT
DAT	DISCHARGE AIR TEMPERATURE	HF	HEPA FILTER			VAV	VARIABLE AIR VOLUME
DB	DRY BULB TEMPERATURE	HHW	HEATING HOT WATER	P	PUMP	VAV	VARIABLE AIR VOLUME
DCW	DOMESTIC COLD WATER	HHWP	HEATING HOT WATER PUMP	PCR	PROCESS COOLING RETURN	VFC	VARIABLE FREQUENCY CONTROLLER
DDC	DIRECT DIGITAL CONTROL	HHWR	HEATING HOT WATER RETURN	PCS	PROCESS COOLING SUPPLY	VFD	VARIABLE FREQUENCY DRIVE
DEG	DEGREE	HHWS	HEATING HOT WATER SUPPLY	PD	PRESSURE DROP	VRV	VRF SYSTEM INDOOR UNIT
DEMO	DEMOLISH	HL	HIGH LIMIT	PG	PROPYLENE GLYCOL	VRF / VRV	VARIABLE REFRIGERANT FLOW / VOLUME
DFU	DRAIN FIXTURE UNIT	HOA	HAND / OFF / AUTO	PHR	PROCESS HEATING RETURN	VTR	VENT THROUGH ROOF
DHW	DOMESTIC HOT WATER	HP	HORSEPOWER	PHS	PROCESS HEATING SUPPLY		
DHWR	DOMESTIC HOT WATER RETURN	HP	HEAT PUMP	PNL	PANEL	W	WASTE
DHWS	DOMESTIC HOT WATER SUPPLY	HPL	HEAT PUMP LOOP	PPM	PARTS PER MILLION	WB	WET BULB
DHWS (XX)	DOMESTIC HOT WATER SUPPLY (XX DEG F)	HPLP	HEAT PUMP LOOP PUMP	PRESS	PRESSURE	WC	WATER CLOSET
DN	DOWN	HPLR	HEAT PUMP LOOP RETURN	PRV	PRESSURE REDUCING VALVE	WC / WG	WATER COLUMN / WATER GAUGE
DNZ	DOWNSPOUT NOZZLE	HPLS	HEAT PUMP LOOP SUPPLY	PSI	POUNDS PER SQUARE INCH	WH	WALL HYDRANT
DOAS	DEDICATED OUTSIDE AIR SYSTEM	HPC	HIGH PRESSURE CONDENSATE	PSIA	POUNDS PER SQUARE INCH (ABSOLUTE PRESS.)	WPD	WATER PRESSURE DROP
DT	DRAIN TILE	HPS	HIGH PRESSURE STEAM	PSIG	POUNDS PER SQUARE INCH (GAUGE PRESS.)		
DWH	DOMESTIC WATER HEATER	HTG	HEATING				

HVAC SYMBOLS

- XX" — ROUND DUCTWORK DIAMETER IN INCHES
- XXxXX — RECTANGULAR DUCTWORK SIZE IN INCHES, FIRST NUMBER IS SIDE SHOW
- XXxXX — INTERNALLY LINED DUCT
- SUPPLY OR OUTSIDE AIR DUCTWORK
- RETURN AIR DUCTWORK
- RELIEF OR EXHAUST DUCTWORK
- TURNING VANES
- RADIUS DUCTWORK ELBOW ROUND OR RECTANGULAR
- RECTANGULAR DUCTWORK BRANCH TAKE OFF WITH 45 DEGREE INLET
- HIGH EFFICENCY "BUCKLEY" TAP WITH DAMPER
- DUCTWORK SIZE TRANSITION
- SUPPLY OR OUTSIDE AIR DUCT UP
- SUPPLY OR OUTSIDE AIR DUCT DOWN
- RETURN OR EXHAUST AIR DUCT UP
- RETURN OR EXHAUST AIR DUCT DOWN
- INLINE 90 DEGREE RISE IN DUCT
- INLINE 90 DEGREE DROP IN DUCT
- R — INCLINE RISE IN DUCT
- TIE POINT
- MANUAL DAMPER
- MD — MOTORIZED DAMPER
- F — FIRE DAMPER
- T — THERMOSTAT
- H — HUMIDISTAT
- S — SENSOR
- C — CARBON DIOXIDE SENSOR
- SD — DUCT SMOKE DETECTOR
- # — DRAWING KEY NOTES
- ∅ — ROUND
- OVAL OR FLAT
- UC — UNDER CUT DOOR 3/4" FOR AIR FLOW

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601 MAPLE AVE.,
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HVAC ABBREVIATIONS AND SYMBOLS

DRAWING NUMBER: **M0002**

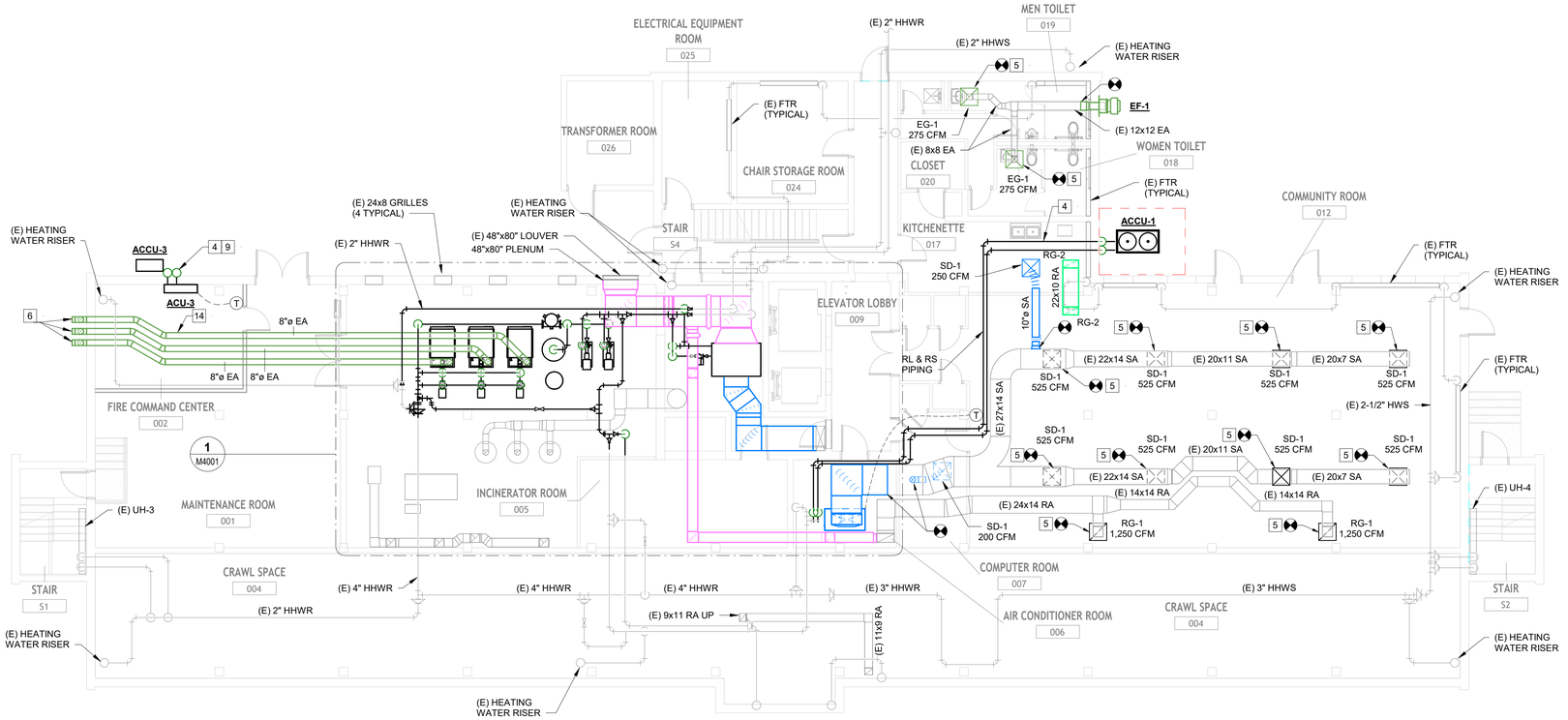
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HVAC NEW WORK KEY NOTES

1. INSTALL NEW AC UNITS AT LOCATION WHERE EXISTING UNITS ARE REMOVED. REPLACE EXISTING WINDOW AC UNIT SLEEVE WITH COMPOSITE NON-CONDUCTIVE ENERGY EFFICIENT TYPE. SEAL AROUND UNIT AIR TIGHT.
2. INSTALL NEW BATHROOM EXHAUST VENT FOR ALL RESIDENTIAL UNITS. DIMENSIONS AND STYLE TO MATCH EXISTING.
3. INSTALL CONDENSATE NEUTRALIZATION KIT FOR EACH BOILER. ROUTE CONDENSATE PIPING TO NEAREST FLOOR DRAIN IN BOILER ROOM.
4. ROUTE NEW REFRIGERANT PIPING BETWEEN AHU-1 AND ACCU-1 PER MANUFACTURER'S REQUIREMENTS.
5. INSTALL NEW AIR TERMINALS AND BRANCH DUCTS AT LOCATION INDICATED. REBALANCE AIRFLOW TO CFM INDICATED.
6. REMOVE EXISTING LOUVER AND ROUTE DOUBLE WALL AL29-4C STAINLESS FLUE VENT WITH NOT MORE THAN 1/4" PER FT SLOPE FROM BOILER TO EXTERIOR WALL. TERMINATE AT EXISTING 60"x36" LOUVER OPENING WITH MANUFACTURER APPROVED VENT TERMINALS. INFILL REMAINING LOUVER OPENING TO MATCH EXISTING EXTERIOR WALL.
7. RECONNECT 2" HHWS & R TO NEW AHU-1 HOT WATER COIL.
8. RECONNECT 2" HHWS & R TO NEW MAU-1 HOT WATER COIL AND COIL RECRIC PUMP.
9. ROUTE 1" ACU CONDENSATE PIPE OUTSIDE AND TERMINATE 18" ABOVE GRADE.
10. PROVIDE MOTORIZED OUTSIDE AIR CONTROL DAMPER FOR AHU-1 AND MAU-1.
11. TERMINATE WITH WALL CAP.
12. PROVIDE DOOR GRILLE IN SERVER CLOSET.
13. PROVIDE HOUSEKEEPING PAD FOR EQUIPMENT.
14. PROVIDE 2-HOUR FIRE WRAP FOR ALL FLUE VENT DUCTWORK WITHIN FIRE COMMAND CENTER.



N

1 OVERALL GROUND LEVEL MECHANICAL PLAN

SCALE: 1/8" = 1'-0"

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SCALE	AS NOTED

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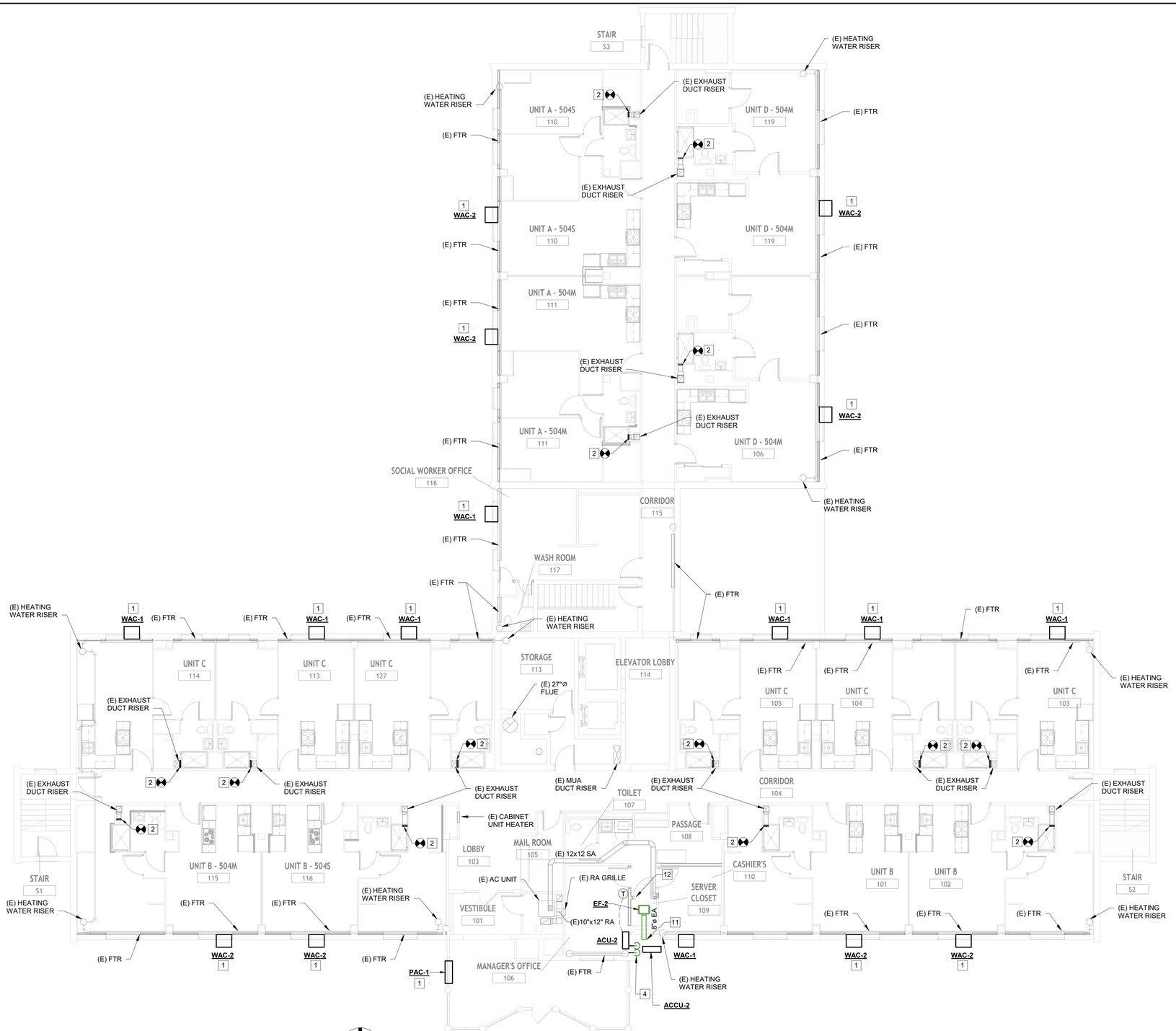
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
OVERALL GROUND LEVEL MECHANICAL PLAN

DRAWING NUMBER: **M1001**

REV: **0**

7/17/2025 11:56:48 AM



1 OVERALL 1ST LEVEL HVAC PLAN

SCALE: 1/8" = 1'-0"

HVAC NEW WORK KEY NOTES

1. INSTALL NEW AC UNITS AT LOCATION WHERE EXISTING UNITS ARE REMOVED. REPLACE EXISTING WINDOW AC UNIT SLEEVE WITH COMPOSITE NON-CONDUCTIVE ENERGY EFFICIENT TYPE. SEAL AROUND UNIT AIR TIGHT.
2. INSTALL NEW BATHROOM EXHAUST VENT FOR ALL RESIDENTIAL UNITS. DIMENSIONS AND STYLE TO MATCH EXISTING.
3. INSTALL CONDENSATE NEUTRALIZATION KIT FOR EACH BOILER. ROUTE CONDENSATE PIPING TO NEAREST FLOOR DRAIN IN BOILER ROOM.
4. ROUTE NEW REFRIGERANT PIPING BETWEEN AHU-1 AND ACCU-1 PER MANUFACTURER'S REQUIREMENTS.
5. INSTALL NEW AIR TERMINALS AND BRANCH DUCTS AT LOCATION INDICATED. REBALANCE AIRFLOW TO CFM INDICATED.
6. REMOVE EXISTING LOUVER AND ROUTE DOUBLE WALL AL29-4C STAINLESS FLUE VENT WITH NOT MORE THAN 1/4" PER FT SLOPE FROM BOILER TO EXTERIOR WALL. TERMINATE AT EXISTING 60"x36" LOUVER OPENING WITH MANUFACTURER APPROVED VENT TERMINALS. INFILL REMAINING LOUVER OPENING TO MATCH EXISTING EXTERIOR WALL.
7. RECONNECT 2" HHWS & R TO NEW AHU-1 HOT WATER COIL.
8. RECONNECT 2" HHWS & R TO NEW MAU-1 HOT WATER COIL AND COIL RECRIC PUMP.
9. ROUTE 1" ACU CONDENSATE PIPE OUTSIDE AND TERMINATE 18" ABOVE GRADE.
10. PROVIDE MOTORIZED OUTSIDE AIR CONTROL DAMPER FOR AHU-1 AND MAU-1.
11. TERMINATE WITH WALL CAP.
12. PROVIDE DOOR GRILLE IN SERVER CLOSET.
13. PROVIDE HOUSEKEEPING PAD FOR EQUIPMENT.
14. PROVIDE 2-HOUR FIRE WRAP FOR ALL FLUE VENT DUCTWORK WITHIN FIRE COMMAND CENTER.

NOT FOR CONSTRUCTION

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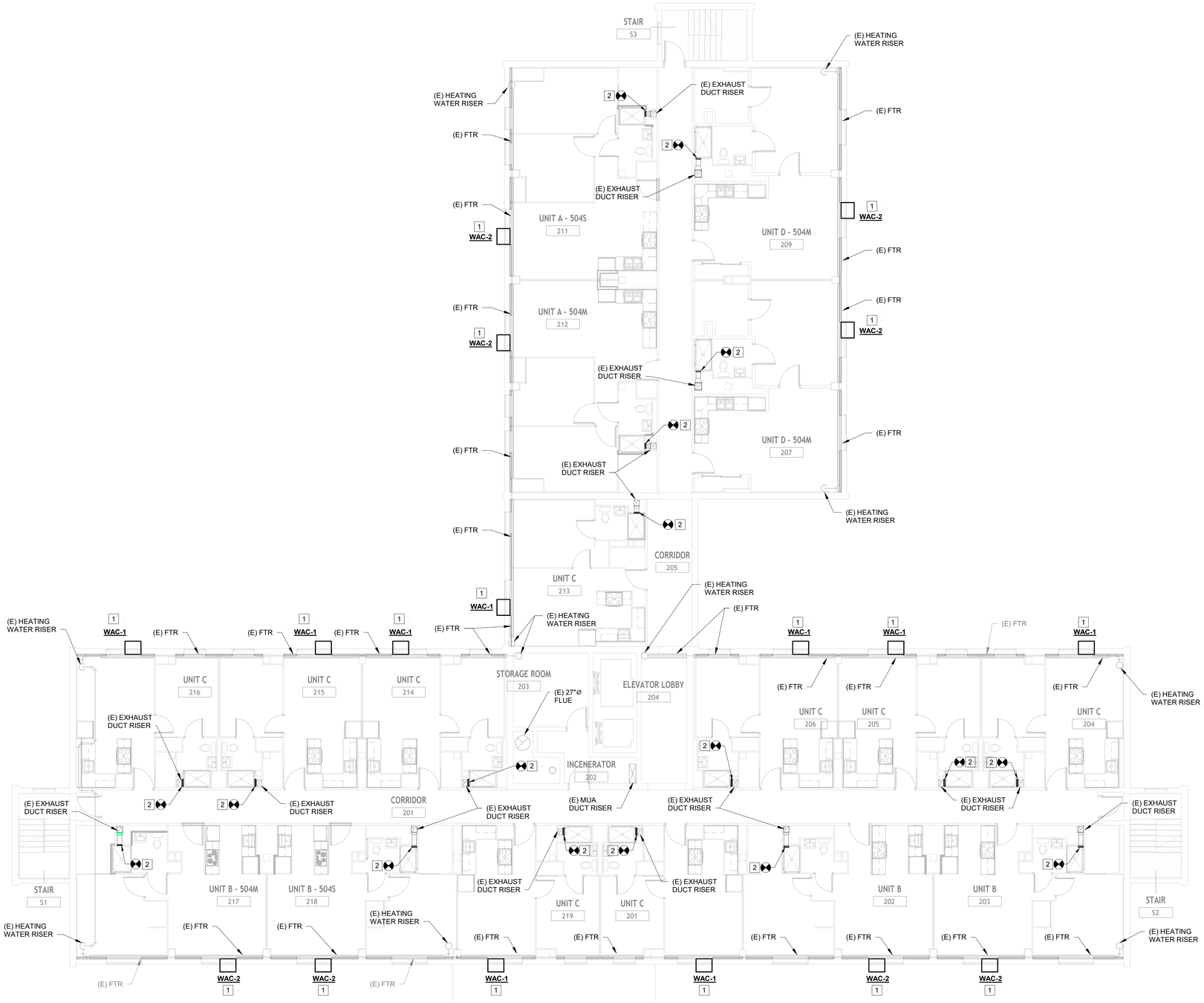
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601 MAPLE AVE.,
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DRAWING TITLE: OVERALL 1ST LEVEL HVAC PLAN

DRAWING NUMBER: **M1002**

REV: **0**

7/17/2025 11:57:06 AM



OVERALL 2ND AND 3RD LEVELS HVAC PLAN

SCALE: 1/8" = 1'-0"

N

HVAC NEW WORK KEY NOTES

1. INSTALL NEW AC UNITS AT LOCATION WHERE EXISTING UNITS ARE REMOVED. REPLACE EXISTING WINDOW AC UNIT SLEEVE WITH COMPOSITE NON-CONDUCTIVE ENERGY EFFICIENT TYPE. SEAL AROUND UNIT AIR TIGHT.
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8. RECONNECT 2" HHWS & R TO NEW MAU-1 HOT WATER COIL AND COIL RECRIC PUMP.
9. ROUTE 1" ACU CONDENSATE PIPE OUTSIDE AND TERMINATE 18" ABOVE GRADE.
10. PROVIDE MOTORIZED OUTSIDE AIR CONTROL DAMPER FOR AHU-1 AND MAU-1.
11. TERMINATE WITH WALL CAP.
12. PROVIDE DOOR GRILLE IN SERVER CLOSET.
13. PROVIDE HOUSEKEEPING PAD FOR EQUIPMENT.
14. PROVIDE 2-HOUR FIRE WRAP FOR ALL FLUE VENT DUCTWORK WITHIN FIRE COMMAND CENTER.

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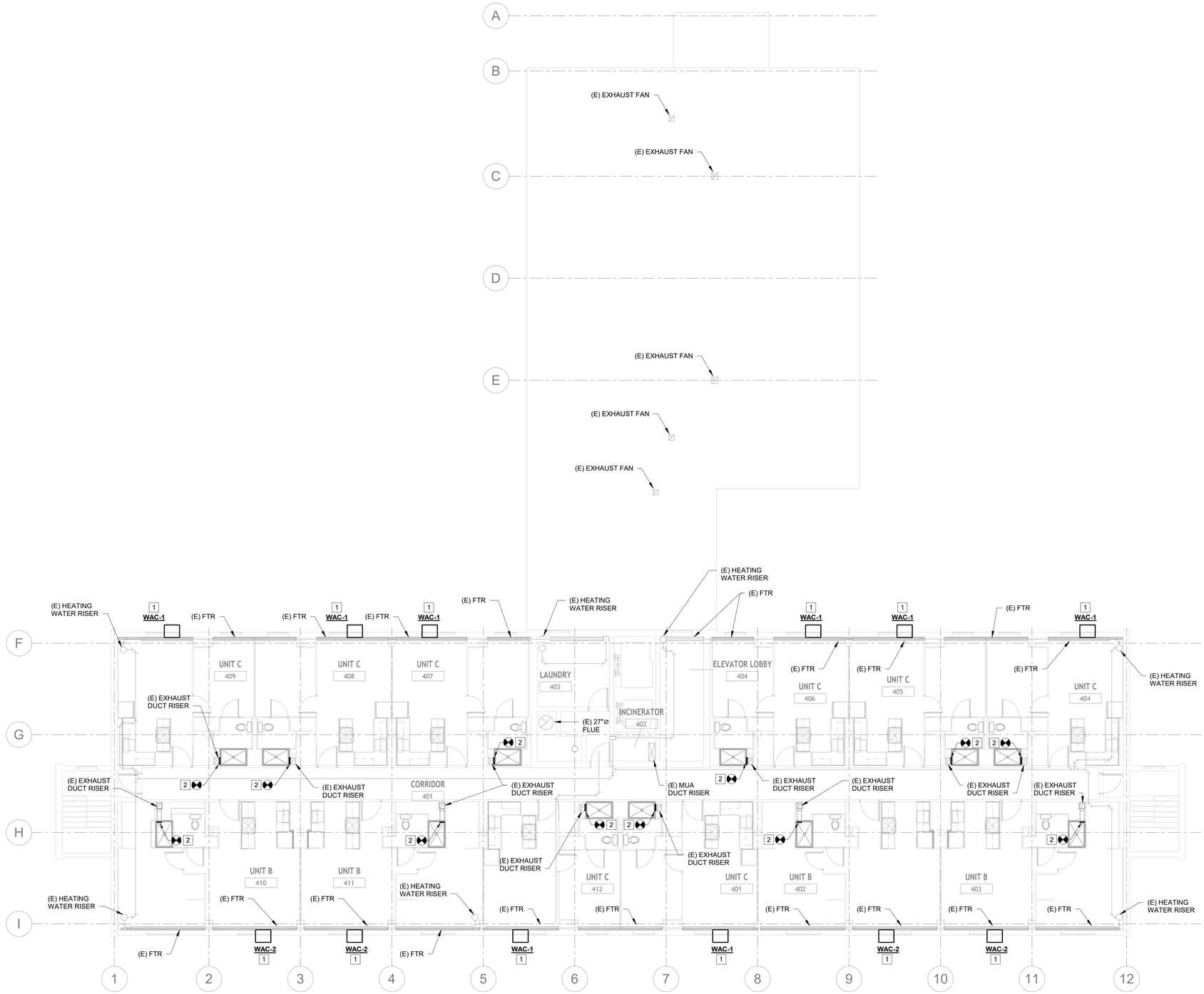
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
OVERALL 2ND AND 3RD LEVELS HVAC PLAN

DRAWING NUMBER: **M1003**

REV: **0**

7/17/2025 11:57:27 AM



OVERALL 4TH - 9TH LEVELS HVAC PLAN

SCALE: 1/8" = 1'-0"

N

HVAC NEW WORK KEY NOTES

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8. RECONNECT 2" HHWS & R TO NEW MAU-1 HOT WATER COIL AND COIL RECRIC PUMP.
9. ROUTE 1" ACU CONDENSATE PIPE OUTSIDE AND TERMINATE 18" ABOVE GRADE.
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MAPLE TOWER RAD RENOVATIONS
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DRAWING TITLE:
OVERALL 4TH - 9TH LEVELS HVAC PLAN

DRAWING NUMBER: **M1004**

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HVAC NEW WORK KEY NOTES

1. INSTALL NEW AC UNITS AT LOCATION WHERE EXISTING UNITS ARE REMOVED. REPLACE EXISTING EXISTING WINDOW AC UNIT SLEEVE WITH COMPOSITE NON-CONDUCTIVE ENERGY EFFICIENT TYPE. SEAL AROUND UNIT AIR TIGHT.
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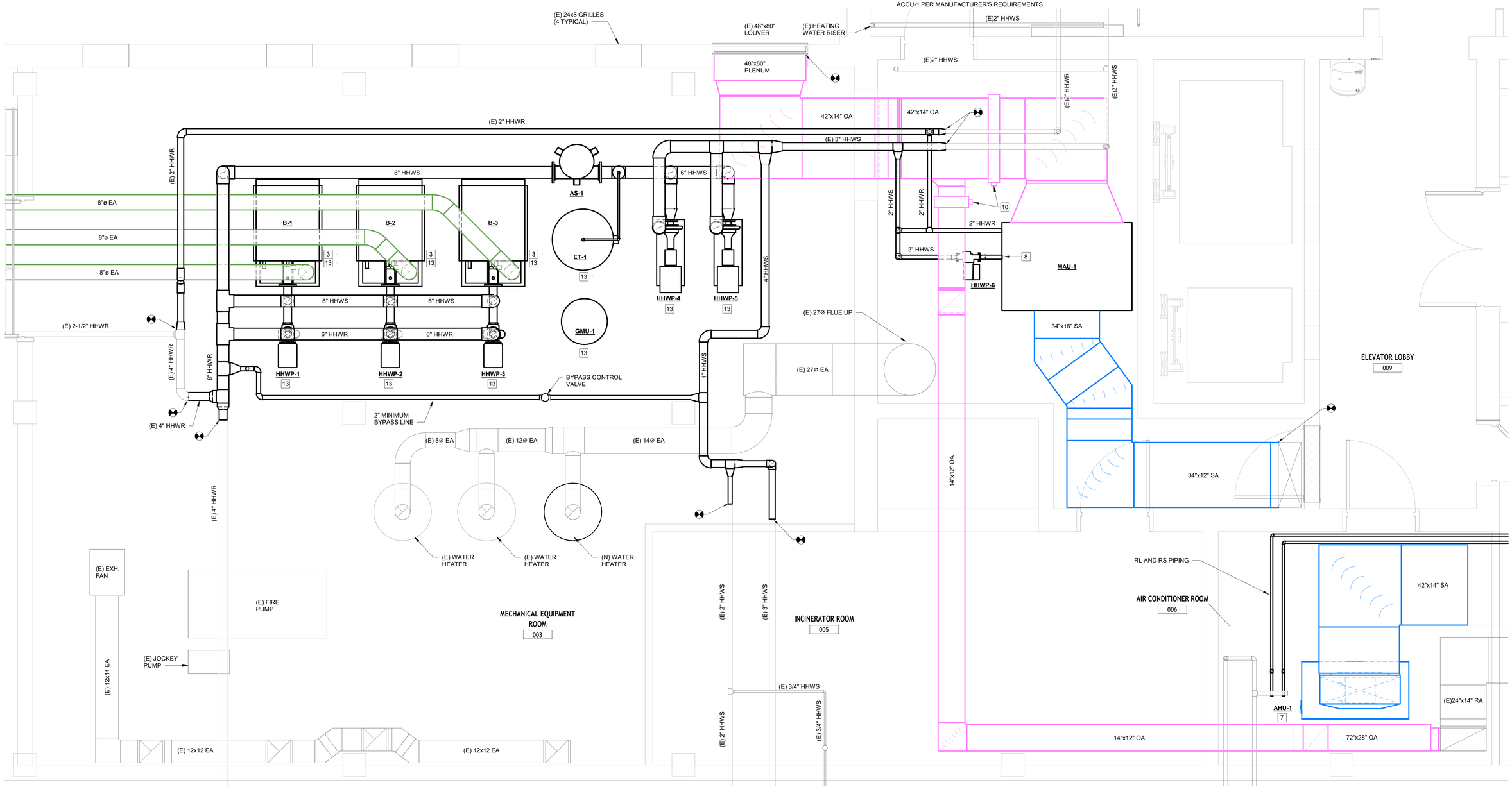
HVAC NEW WORK KEY NOTES CONTINUED

5. INSTALL NEW AIR TERMINALS AND BRANCH DUCTS AT LOCATION INDICATED. REBALANCE AIRFLOW TO CFM INDICATED.
6. REMOVE EXISTING LOUVER AND ROUTE DOUBLE WALL AL29-4C STAINLESS FLUE VENT WITH NOT MORE THAN 1/4" PER FT SLOPE FROM BOILER TO EXTERIOR WALL. TERMINATE AT EXISTING 60"x36" LOUVER OPENING WITH MANUFACTURER APPROVED VENT TERMINALS. INFILL REMAINING LOUVER OPENING TO MATCH EXISTING EXTERIOR WALL.
7. RECONNECT 2" HHWS & R TO NEW AHU-1 HOT WATER COIL.

HVAC NEW WORK KEY NOTES CONTINUED

8. RECONNECT 2" HHWS & R TO NEW MAU-1 HOT WATER COIL AND COIL RECRIC PUMP.
9. ROUTE 1" ACU CONDENSATE PIPE OUTSIDE AND TERMINATE 18" ABOVE GRADE.
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13. PROVIDE HOUSEKEEPING PAD FOR EQUIPMENT.
14. PROVIDE 2-HOUR FIRE WRAP FOR ALL FLUE VENT DUCTWORK WITHIN FIRE COMMAND CENTER.

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N

1 M1001 ENLARGED GROUND LEVEL HVAC PLAN

SCALE: 1/2" = 1'-0"

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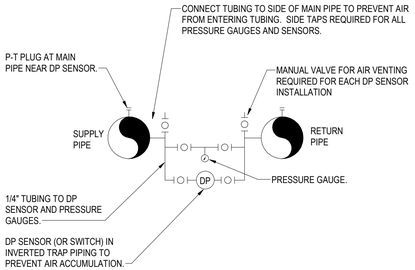
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DRAWING NUMBER: **M4001**

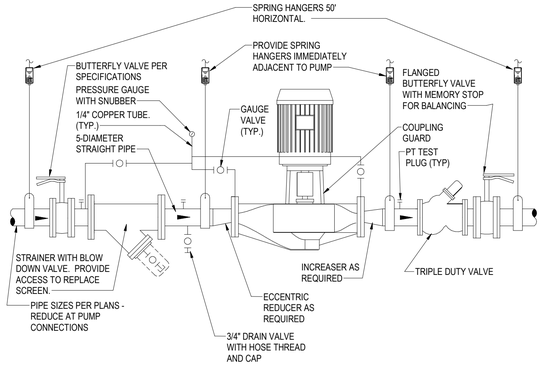
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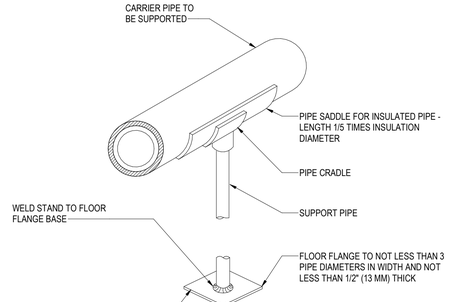


DIFFERENTIAL PRESSURE SENSOR INSTALLATION



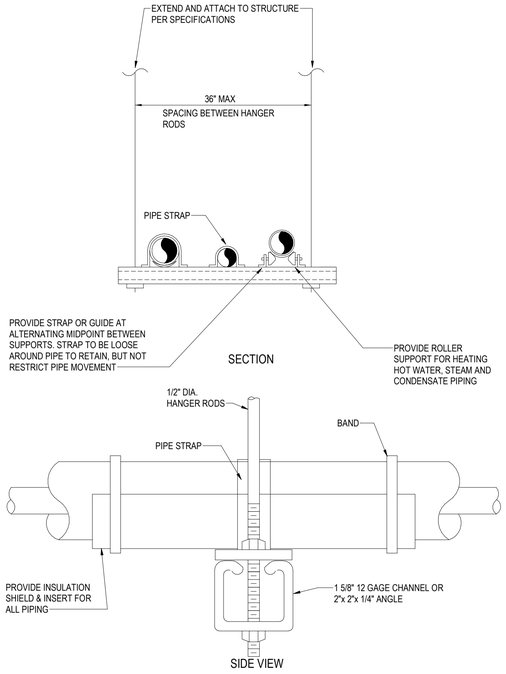
NOTES:
1. FOR 2" AND SMALLER PIPING PROVIDE BALL VALVES W/UNIONS.

INLINE PUMP - SUSPENDED



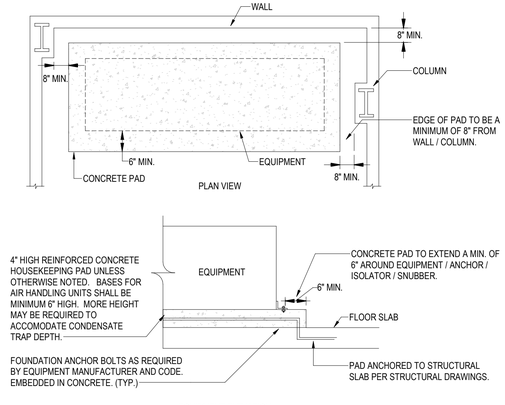
NOTES:
1. PRIME AND PAINT FLOOR FLANGES AND STANDS TO MATCH OTHER PIPE SUPPORTS.

PIPE CRADLE FOR FLOOR SUPPORT



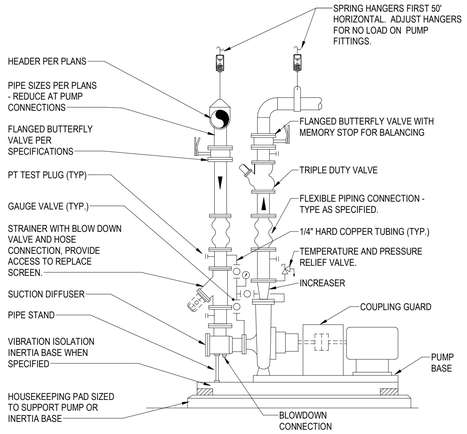
TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

TRAPEZE PIPE SUPPORT



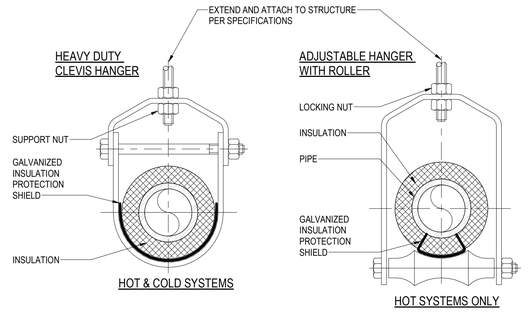
NOTES:
1. REFER TO STRUCTURAL DRAWINGS FOR CONSTRUCTION AND ATTACHMENT TO SLAB OF CONCRETE HOUSEKEEPING PADS FOR EQUIPMENT.
2. PROVIDE 1-1/2" CHAMFER AT EDGES OF PAD.

CONCRETE HOUSEKEEPING PAD



NOTES:
1. STRAINER TO BE REMOVED FROM SUCTION DIFFUSER AFTER STARTUP AND BEFORE BALANCING.
2. IN LIEU OF SUCTION DIFFUSER, A 5-DIAMETER STRAIGHT PIPE MAY BE USED.
3. REFER TO HOUSEKEEPING PAD DETAIL FOR ATTACHMENT OF PUMP TO BUILDING STRUCTURE.
4. FOR 2" AND SMALLER PIPING:
   a. PROVIDE BALL VALVES W/UNIONS.
   b. FLEXIBLE HOSE MAY BE USED FOR FLEX CONNECTORS.
5. POUR PUMP BASE SOLID WITH NON-SHRINK GROUT AND ALIGN PUMP AFTER INSTALLATION.
6. NO PIPING SHALL BE SUPPORTED BY THE PUMP.
7. PROVIDE REDUCER AT PUMP INLET IF REQUIRED.

END SUCTION PUMP



NOTES:
1. SEE SPECIFICATION FOR HANGER SIZES AND INSULATION PROTECTION SHIELDS.
2. REFER TO SPECIFICATION FOR MATERIALS OTHER THAN STEEL PIPE.
3. REFER TO SPECIFICATIONS FOR TYPE OF INSULATION PROTECTION SHIELD, BASED ON PIPE SIZE

PIPE HANGER SUPPORT

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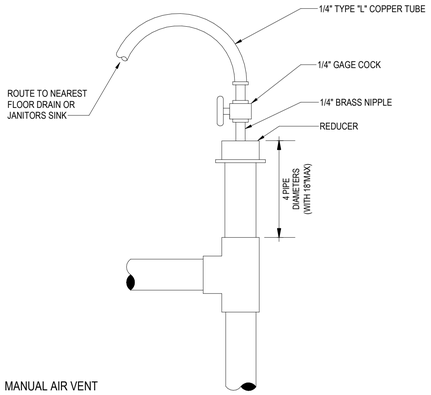
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DRAWING NUMBER: **M5001**

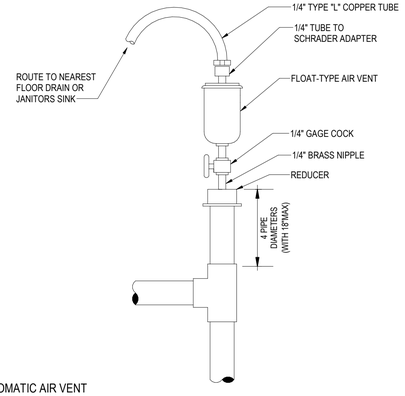
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MANUAL AIR VENT



AUTOMATIC AIR VENT

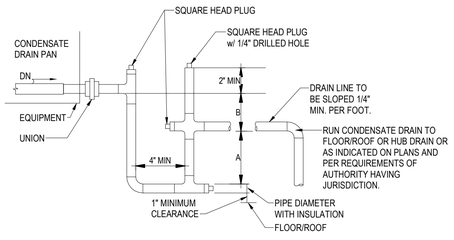
MANUAL AIR VENT

AUTOMATIC AIR VENT

NOTES:
1. INSTALL IN ALL HIGH POINTS AND IN LOCATIONS PER DRAWINGS AND SPECIFICATIONS.
2. PROVIDE CHAINED CAPS IF DRAIN LINE IS NOT EXTENDED TO FLOOR DRAINS OR JANITORS SINK.

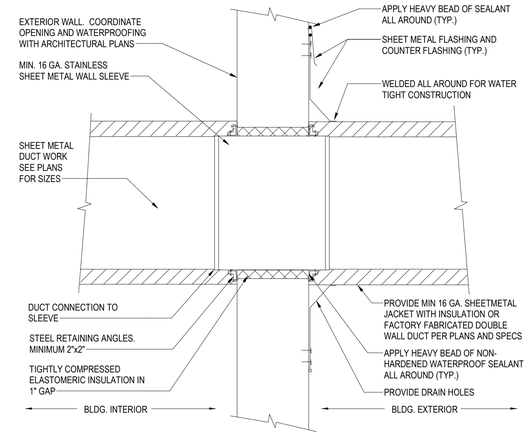
AIR VENT ASSEMBLY





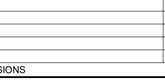
NOTES:
1. FILL TRAP MANUALLY ON INITIAL START-UP.
2. TRAP EACH COMPONENT DRAIN CONNECTION.
3. PIPE SIZE SHALL NOT BE LESS THAN DRAIN PAN CONNECTION SIZE. REFER TO PLANS FOR PIPE SIZES.
4. N.S.P. (NEGATIVE STATIC PRESSURE) EQUALS STATIC PRESSURE AT INLET OF FAN. B = N.S.P. + 1" A = 1/2 x B
5. ADJUST THICKNESS OF HOUSEKEEPING PAD OR UNIT SUPPORTS REQUIRED TO PERMIT TRAP DEPTH.
6. OFFSET TRAP TO ALLOW ACCESS TO DOWNSTREAM CLEANOUT.

CONDENSATE TRAP - DRAW THRU UNIT



NOTES:
1. SLOPE TOP OF EXTERIOR DUCTWORK.
2. DUCTWORK AND INSULATION SHALL BE PROVIDED PER SPECIFICATIONS.

DUCT PENETRATION THRU EXTERIOR WALL



NOTES:
1. FILL TRAP MANUALLY ON INITIAL START-UP.
2. TRAP EACH COMPONENT DRAIN CONNECTION.
3. PIPE SIZE SHALL NOT BE LESS THAN DRAIN PAN CONNECTION SIZE. REFER TO PLANS FOR PIPE SIZES.
4. B = 1" A = T.S.P. + 1/2"
5. ADJUST THICKNESS OF HOUSEKEEPING PAD OR UNIT SUPPORTS REQUIRED TO PERMIT TRAP DEPTH.
6. OFFSET TRAP (AS INDICATED) TO ALLOW ACCESS TO DOWNSTREAM CLEANOUT.
7. TOTAL STATIC PRESSURE (T.S.P.) EQUALS THE UNIT FAN TOTAL DISCHARGE PRESSURE UNLESS NOTED OTHERWISE.

CONDENSATE TRAP - BLOW THRU UNIT

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

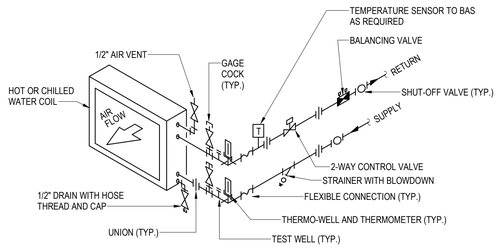
DRAWING TITLE: HVAC DETAILS

DRAWING NUMBER: **M5002**

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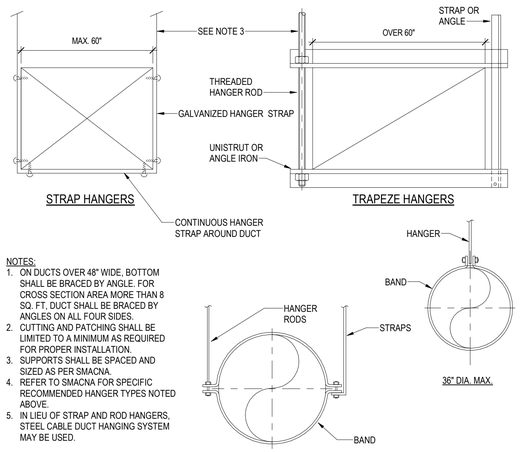
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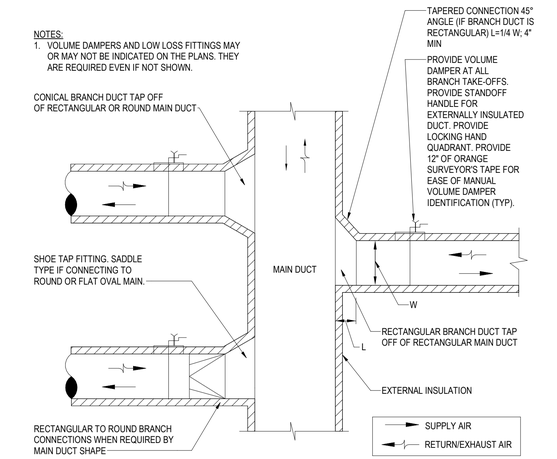
NOTES:
1. REFER TO CONTROL SEQUENCES, DIAGRAMS AND SPECIFICATIONS FOR CONTROL VALVE TYPE.
2. REFER TO EQUIPMENT CONTROL DIAGRAMS FOR BAS TEMPERATURE SENSOR REQUIREMENT.
3. THERMO-WELL, THERMOMETER AND GAGE COCKS ARE REQUIRED FOR AIR HANDLING UNITS ONLY.
4. COIL CONNECTIONS SHALL BE ARRANGED TO ACCOMMODATE COIL PULL AND ISOLATE COIL PIPING FROM SYSTEM. WATER FLOW IS COUNTER TO AIRFLOW.
5. PROVIDE DRAIN AND VENT VALVES AT COILS.

TWO-WAY VALVE WATER COIL

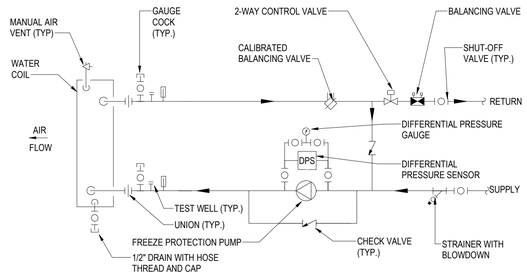


NOTES:
1. ON DUCTS OVER 48" WIDE, BOTTOM SHALL BE BRACED BY ANGLE. FOR CROSS SECTION AREA MORE THAN 8 SQ. FT, DUCT SHALL BE BRACED BY ANGLES ON ALL FOUR SIDES.
2. CUTTING AND PATCHING SHALL BE LIMITED TO A MINIMUM AS REQUIRED FOR PROPER INSTALLATION.
3. SUPPORTS SHALL BE SPACED AND SIZED AS PER SMACNA.
4. REFER TO SMACNA FOR SPECIFIC RECOMMENDED HANGER TYPES NOTED ABOVE.
5. IN LIEU OF STRAP AND ROD HANGERS, STEEL CABLE DUCT HANGING SYSTEM MAY BE USED.

DUCT HANGER SUPPORT

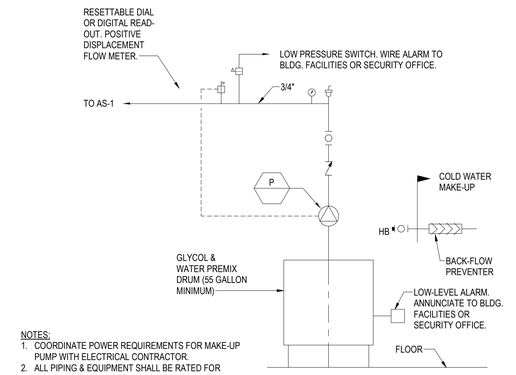


BRANCH DUCT



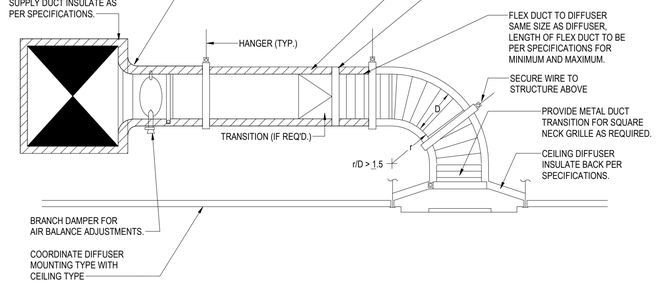
NOTES:
1. REFER TO CONTROL SEQUENCES, DIAGRAMS AND SPECIFICATIONS FOR CONTROL VALVE TYPE AND OTHER CONTROL REQUIREMENTS.
2. DIFFERENTIAL PRESSURE SWITCH SHALL STOP SUPPLY FAN, CLOSE OUTDOOR AIR DAMPER AND SOUND ALARM IN EVENT OF PUMP FAILURE. COORDINATE WITH CONTROLS.
3. REFER TO INLINE PUMP DETAIL FOR PUMP INSTALLATION AND REQUIRED COMPONENTS.
4. THERMO-WELL, THERMOMETER AND GAGE COCKS ARE REQUIRED FOR AIR HANDLING UNITS ONLY.
5. COIL CONNECTIONS SHALL BE ARRANGED TO ACCOMMODATE COIL PULL AND ISOLATE COIL PIPING FROM SYSTEM. WATER FLOW IS COUNTER TO AIRFLOW.
6. PROVIDE DRAIN AND VENT VALVES AT COILS.

TWO-WAY VALVE WATER COIL WITH RECIRC PUMP



NOTES:
1. COORDINATE POWER REQUIREMENTS FOR MAKE-UP PUMP WITH ELECTRICAL CONTRACTOR
2. ALL PIPING & EQUIPMENT SHALL BE RATED FOR INSTALLED OPERATING PRESSURE.

GLYCOL CHARGING - AUTOMATIC



NOTES:
1. PROVIDE FLEX DUCT WITH AT LEAST ONE 90° RADIUS ELBOW.
2. IF r/D > 1.5 CAN NOT FIT, THEN r/D > 1.0 IS FIRST ALTERNATE AND ALTERNATE 2 IS MITERED WITH TURNING VANES.
3. FOR BRANCHES OFF ROUND OR FLAT OVAL DUCTS, USE SADDLE TYPE CONNECTION.
4. PROVIDE CEILING GRID CLIPS AT TWO DIAGONALLY OPPOSITE CORNERS OF GRILLE.

CEILING DIFFUSER WITH FLEX DUCT

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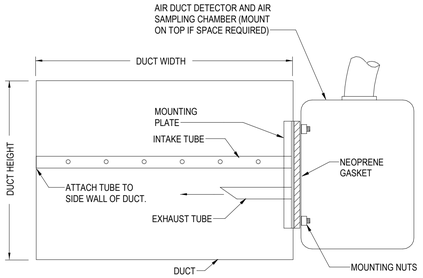
DRAWING TITLE: HAVC DETAILS

DRAWING NUMBER: **M5003**

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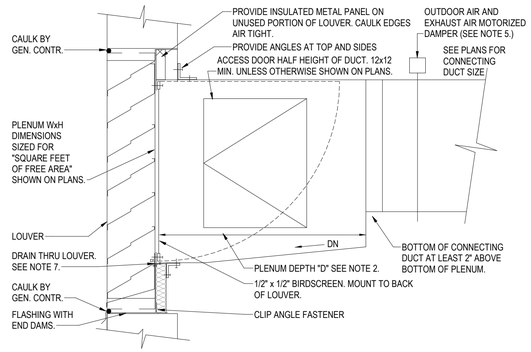
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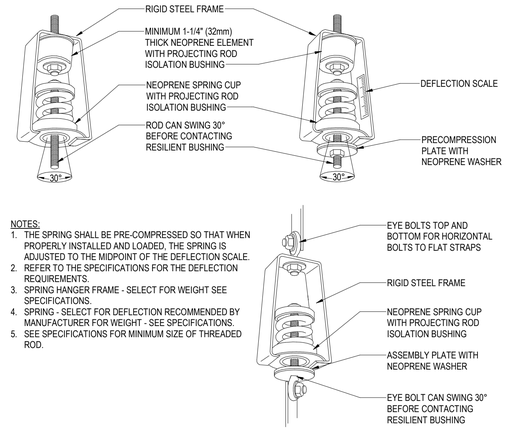
NOTES:
1. SMOKE DETECTOR FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR, AND MOUNTED BY MECHANICAL CONTRACTOR.
2. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. PROVIDE ACCESS DOOR AT SAMPLING TUBES.
4. THE TUBES SHALL BE INSTALLED PARALLEL TO LONG DIMENSION OF DUCT.
5. PRODUCT SHALL BE UL268A LISTED.

SMOKE DETECTOR MOUNTING



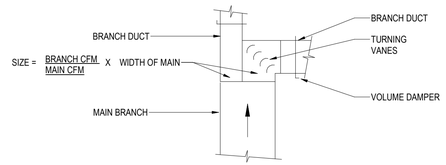
NOTES:
1. BIRD SCREEN FOR OUTSIDE AIR INTAKE LOUVER TO BE REMOVABLE OR HINGED AT TOP TO SWING UP.
2. FOR PLENUM DEPTH "D" LESS THAN 24 INCHES, DRAIN IS NOT REQUIRED AND PLENUM SHALL PITCH CONTINUOUSLY TO LOUVER FACE.
3. COAT ENTIRE INSIDE SURFACE OF PLENUM WITH WATERPROOF MASTIC. BOTTOM SHALL BE OF WATER TIGHT CONSTRUCTION.
4. INSULATE PLENUM PER SPECIFICATIONS.
5. SLOPE PLENUM TO LOUVER'S DRAIN OR EXTEND TO FLASHING FOR DRAINAGE.

DUCT CONNECTION TO LOUVER

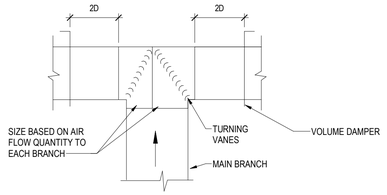


NOTES:
1. THE SPRING SHALL BE PRE-COMPRESSED SO THAT WHEN PROPERLY INSTALLED AND LOADED, THE SPRING IS ADJUSTED TO THE MIDPOINT OF THE DEFLECTION SCALE.
2. REFER TO THE SPECIFICATIONS FOR THE DEFLECTION REQUIREMENTS.
3. SPRING HANGER FRAME - SELECT FOR WEIGHT SEE SPECIFICATIONS.
4. SPRING - SELECT FOR DEFLECTION RECOMMENDED BY MANUFACTURER FOR WEIGHT - SEE SPECIFICATIONS.
5. SEE SPECIFICATIONS FOR MINIMUM SIZE OF THREADED ROD.

SPRING ISOLATED HANGERS FOR PIPE OR EQUIPMENT



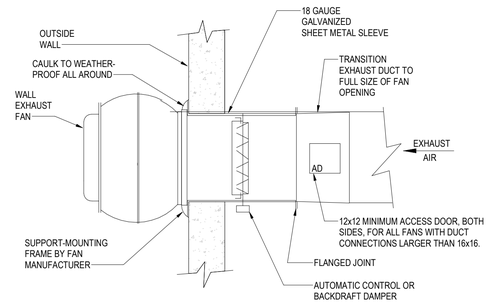
SPLITTER DETAIL



DUCT TEE DETAIL

NOTES:
1. VOLUME DAMPER TO BE INSTALLED 2 DUCT DIAMETERS FROM TEE FITTING.
2. REFER TO PLANS FOR DUCT SIZES.

DUCT TEE - SPLITTER



NOTES:
1. SUPPORT FAN TO PREVENT VIBRATION

WALL EXHAUST FAN

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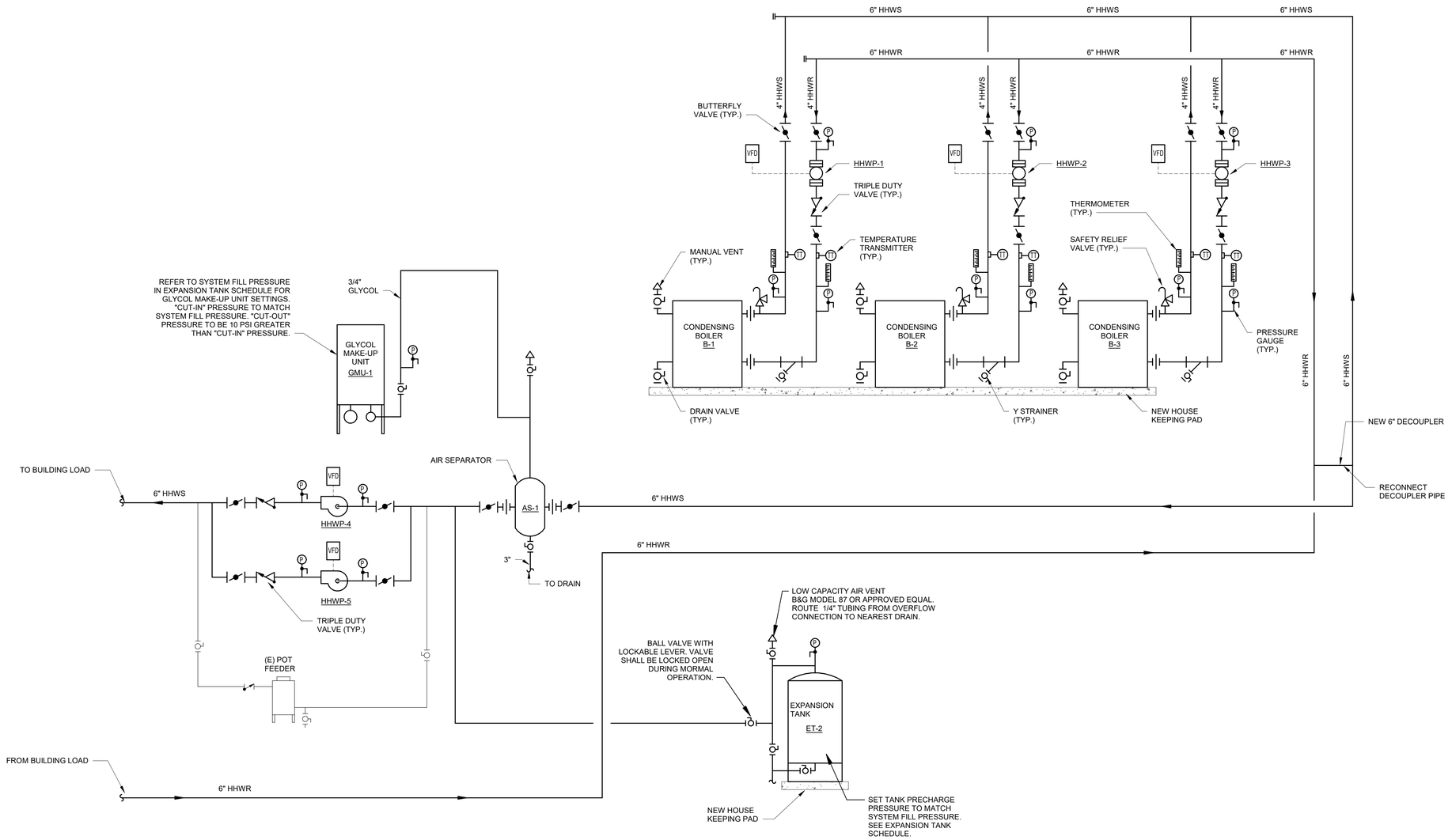
DRAWING TITLE: HAVC DETAILS

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HEATING HOT WATER PIPING DIAGRAM

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DRAWING TITLE: HVAC PIPING SCHEMATICS

DRAWING NUMBER: **M6001**

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INDOOR MAKE-UP AIR UNIT (HOT WATER HEATING) SCHEDULE

TAG	LOCATION	SERVICE	SYSTEM TYPE	DESIGN SUPPLY AIR CFM	DESIGN OUTSIDE AIR CFM	SUPPLY FAN DATA							PRE-FILTER				FINAL FILTER				HOT WATER HEATING COIL DATA							ELECTRICAL DATA						BASIS OF DESIGN				
						DRIVE	QTY.	ESP (IN. WG.)	TSP (IN. WG.)	RPM	HP	VFD/ECM	THICK (IN.)	MERV RATING	CLEAN APD (IN. WG.)	DIRTY APD (IN. WG.)	THICK (IN.)	MERV RATING	CLEAN APD (IN. WG.)	DIRTY APD (IN. WG.)	EAT (F)	LAT (F)	OUTPUT CAP. (MBH)	EWT (F)	LWT (F)	GLYCOL	GPM	MAX. WPD FT	MAX. ROWS/FPI	MCA	MOCP	VOLTAGE	PHASE	HZ	EMER. POWER (Y/N)	MANUFACTURER	MODEL	OPERATING WEIGHT (LBS)	DIMENSIONS (L x W x H)	REMARKS
MAU-1	BASEMENT MECHANICAL ROOM	RESIDENTIAL FLOOR VENTILATION	SINGLE ZONE CONSTANT VOLUME	4,300	4,300	DIRECT	2	1.5	2.28	1,645	1.5	ECM	2	8	0.25	0.5	4	14	0.5	0.75	-10	87.1	451.1	180	160.1	30% PG	47.5	9.66	2/14	9.9	15	208	3	60	N	JCI	AHD40	451	46"x 68" x 30"	1, 2, 3, 4, 5, 6

REMARKS:
1. DOUBLE WALL CONSTRUCTION WITH R-13 INSULATION.
2. SINGLE POINT POWER CONNECTION. ELECTRICAL CONTRACTOR TO PROVIDE LOCKABLE NON-FUSED KNIFE TYPE DISCONNECT.
3. PROVIDE WITH EC MOTORS FOR BOTH SUPPLY FANS.
4. PROVIDE WITH EXTERNAL VIBRATION ISOLATORS FOR CEILING SUSPENSION.
5. HINGED GASKETED ACCESS DOORS.
6. OA DAMPER/ACTUATOR AND HEATING COIL CIRC PUMP EXTERNAL TO UNIT AND TO BE SEPARATELY PROVIDED.

MODULAR HOT WATER BOILER - CONDENSING SCHEDULE

TAG	LOCATION	SERVICE	AHRI EFF. %	CAPACITY			DRAFT TYPE	GAS				BURNER				HOT WATER						ELECTRICAL										BASIS OF DESIGN			
				INPUT (BTUH)	MAX. OUTPUT (BTUH)	MIN OUTPUT (BUTH)	INDUCED/ NAT.	TYPE		PRESS. (IN. WG)		TYPE	COMBUSTION AIR AIR INLET CONNECTION (IN.)	FLUE GAS CONNECTION (IN.)	GAS CONNECTION (IN.)	MIN. FLOW (GPM)	DESIGN FLOW (GPM)	EWT (F)	LWT (F)	WPD (FT HD)	OPERATING PRESSURE (PSIG)	OPERATING CIRCUIT				OPERATING CIRCUIT				EMER. POWER (Y/N)	MANUFACTURER	MODEL	OPERATING WEIGHT (LBS)	REMARKS
								N. G.	L.P.	MAX.	MIN.											MCA	VOLTAGE	PHASE	HZ	MCA	VOLTAGE	PHASE	HZ					
B-1	BOILER ROOM	HEATING HOT WATER SYSTEM	94%	1,500,000	1,410,000	1,320,000	INDUCED	X		14	7	MODULATING FIRE TUBE	8"	8"	1-1/2"	0	145	180	160	2	125	13.5	115	1	60	2	115	1	60	N	CLEAVER BROOKS	CFC-E 1500	2,778	1, 2, 3, 4, 5, 6, 7, 8
B-2	BOILER ROOM	HEATING HOT WATER SYSTEM	94%	1,500,000	1,410,000	1,320,000	INDUCED	X		14	7	MODULATING FIRE TUBE	8"	8"	1-1/2"	0	145	180	160	2	125	13.5	115	1	60	2	115	1	60	N	CLEAVER BROOKS	CFC-E 1500	2,778	1, 2, 3, 4, 5, 6, 7, 8
B-3	BOILER ROOM	HEATING HOT WATER SYSTEM	94%	1,500,000	1,410,000	1,320,000	INDUCED	X		14	7	MODULATING FIRE TUBE	8"	8"	1-1/2"	0	145	180	160	2	125	13.5	115	1	60	2	115	1	60	N	CLEAVER BROOKS	CFC-E 1500	2,778	1, 2, 3, 4, 5, 6, 7, 8

REMARKS:
1. PROVIDE WITH 100 PSI ASME RELIEF VALVE.
2. PROVIDE WITH BACNET MSTP INTERFACE AND FACTORY STANDARD PACKAGED CONTROLS.
3. PROVIDE WITH CONDENSATE NEUTRALIZATION KIT.
4. BOILER PLANT SIZED BASED ON N+1 REDUNDANCY. PROVIDE WITH MASTER CONTROLLER ALLOWING LEAD-LAG-STANDBY CONTROL.
5. REFER TO M800 SERIES SHEETS FOR CONTROL DIAGRAMS AND SEQUENCE OF OPERATIONS
6. PROVIDE WITH OUTSIDE AIR WEATHER STATION FOR SUPPLY WATER TEMP RESET BASED ON OA TEMP.
7. BOILERS TO SERVE A PRIMARY-SECONDARY SYSTEM. REFER TO PIPING SCHEMATIC FOR DETAILS.
8. ELECTRICAL CONTRACTOR TO PROVIDE LOCKABLE TOGGLE DISCONNECT SWITCHES FOR THE BOILER OPERATING CIRCUIT AND CONTROLS CIRCUIT.

WATER PUMP SCHEDULE

TAG	LOCATION	SERVICE	PUMP TYPE	DESIGN FLOW (GPM)	HEAD (FT)	MIN EFF %	NPSH REQ. (FT)	CONNECTION SIZE		STARTING MEANS	MOTOR DATA			ELECTRICAL DATA				BASIS OF DESIGN			REMARKS
								DISCHARGE (IN.)	SUCTION (IN.)		BHP	HP	RPM	VOLTAGE	PHASE	HZ	EMER. POWER (Y/N)	MANUFACTURER	MODEL	OPERATING WEIGHT (LBS)	
HHWP-1	BOILER ROOM	HEATING HOT WATER BOILER LOOP	INLINE	145	25	71.9	4.98	3"	3"	VFD	1.26	1.5	1,800	208	3	60	N	BELL & GOSSETT	E-80 3x3x7C	175	1, 2, 3, 4
HHWP-2	BOILER ROOM	HEATING HOT WATER BOILER LOOP	INLINE	145	25	71.9	4.98	3"	3"	VFD	1.26	1.5	1,800	208	3	60	N	BELL & GOSSETT	E-80 3x3x7C	175	1, 2, 3, 4
HHWP-3	BOILER ROOM	HEATING HOT WATER BOILER LOOP	INLINE	145	25	71.9	4.98	3"	3"	VFD	1.26	1.5	1,800	208	3	60	N	BELL & GOSSETT	E-80 3x3x7C	175	1, 2, 3, 4
HHWP-4	BOILER ROOM	HEATING HOT WATER DISTRIBUTION LOOP	BASE MOUNTED	290	75	77.3	7.9	2.5"	3"	VFD	7.04	10	1,800	208	3	60	N	BELL & GOSSETT	E-1510 2.5BB	360	1, 2, 3, 4, 5
HHWP-5	BOILER ROOM	HEATING HOT WATER DISTRIBUTION LOOP	BASE MOUNTED	290	75	77.3	7.9	2.5"	3"	VFD	7.04	10	1,800	208	3	60	N	BELL & GOSSETT	E-1510 2.5BB	360	1, 2, 3, 4, 5
HHWP-6	BASEMENT MECHANICAL ROOM	MAU-1 HEATING COIL	INLINE ECM	47.5	15	53	-	1.5"	1.5"	ECM	0.338	1	3,600	208	1	60	N	BELL & GOSSETT	ECOCIRC XL 65-130	35	2, 6

REMARKS:
1. VFD TO BE FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL. VFD SHALL BE DANFOSS OR APPROVED EQUAL.
2. ELECTRICAL CONTRACTOR TO PROVIDE LOCKABLE NON-FUSED KNIFE TYPE DISCONNECT.
3. PROVIDE WITH BALANCE VALVE (CIRCUIT SETTER) AND STRAINER.
4. PROVIDE WITH SUCTION DIFFUSER AND TRIPLE-DUTY VALVE.
5. HHWP-4 & 5 ARE LEAD/STAND-BY WITH 100% REDUNDANCY. PUMP HEAD AND GPM INDICATED ARE FOR EACH PUMP OPERATING BY ITSELF.
6. PROVIDE WITH EC MOTOR AND SPEED CONTROLLER. ADJUST PUMP SPEED TO MEET DESIGN FLOW RATE.

EXPANSION TANK SCHEDULE

TAG	LOCATION	SERVICE	TYPE	SIZE DIA X H (IN.)	SYSTEM		PRESSURE		TEMPERATURE		TANK		ASME PRESSURE RATING (PSIG)	BASIS OF DESIGN				REMARKS
					VOLUME (GAL)	GLYCOL TYPE	FILL (PSIG)	MAX. (PSIG)	MIN. (F)	MAX. (F)	VOLUME (GAL)	ACCEPTANCE (GAL)		MANUFACTURER	MODEL	OPERATING WEIGHT (LBS)	FLOODED WEIGHT (LBS)	
ET-1	BOILER ROOM	HEATING HOT WATER SYSTEM	VERTICAL BLADDER	32" x 76"	1,000	30% PG	60	80	60	190	211	211	125	BELL & GOSSETT	B800	475	2233	

EXHAUST FAN SCHEDULE

TAG	LOCATION	SERVICE	FAN TYPE	DRIVE	CFM	TOTAL ESP (IN. WG.)	FAN RPM	BACKDRAFT DAMPER (Y/N)	STARTING MEANS	MOTOR DATA		ELECTRICAL DATA			BASIS OF DESIGN			REMARKS
										BHP	HP	VOLTAGE	PHASE	HZ	MANUFACTURER	MODEL	OPERATING WEIGHT (LBS)	
EF-1	EXTERIOR WALL	BASEMENT RESTROOMS	CENTRIFUGAL SIDEWALL	DIRECT	280	0.5	1,625	Y	ECM	0.06	0.1	115	1	60	GREENHECK	CUR-080-VG	48	ALL
EF-2	IT ROOM	IT ROOM	CEILING MOUNTED	DIRECT	400	0.29	1,070	Y	ECM	0.12	-	115	1	60	GREENHECK	SP-A510	31	1, 2, 3

REMARKS:
1. ELECTRICAL CONTRACTOR TO PROVIDE LOCKABLE NON-FUSED DISCONNECT.
2. PROVIDE WITH ECM MOTOR AND MOTOR SPEED CONTROLLER. BALANCE TO MEET DESIGN AIRFLOW.
3. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
4. PROVIDE WITH BIRDSCREEN.

GLYCOL MAKEUP UNIT SCHEDULE

TAG	LOCATION	SERVICE	PUMP FLOW (GPM)	FILL PRESSURE (PSI)	GLYCOL TANK CAPACITY (GAL)	MOTOR DATA		ELECTRICAL DATA				BASIS OF DESIGN		REMARKS
						HP	FLA	VOLTAGE	PHASE	HZ	EMER. POWER (Y/N)	MANUFACTURER	MODEL	
GMU-1	BOILER ROOM	HEATING HOT WATER SYSTEM	6	60	55	0.29	2.5	115	1	60	N	BELL & GOSSETT	GMU560S	1, 2

REMARKS:
1. PROVIDE GLYCOL MAKEUP UNIT WITH METALLIC PIPING AND FITTINGS
2. PROVIDE THE FOLLOWING EQUIPMENT AND ACCESSORIES:
   - A) PUMP: VERSJET SERIES DIAPHRAM PUMP MANUFACTURED BY FLOJET.
   - B) TANK: 55 GALLON HDPE.
   - C) ACCUMULATOR TANK: 5 GALLON (3 GALLON FLUID VOLUME).
   - D) LOW WATER CUT OFF: PROXIMITY SENSOR.
   - E) SPUN WELDED CONNECTION ON SUCTION SIDE.
   - F) Y-STRAINER: PRESSURE REDUCING VALVE, PRESSURE RELIEF VALVE INCLUDED.
   - G) 3/4" MNPT SYSTEM CONNECTION.

DIFFUSER, REGISTER AND GRILLE SCHEDULE

TAG	SYSTEM TYPE	MANUFACTURER	MODEL TYPE	FACE SIZE (IN.)	NECK SIZE	MOUNT	PANEL	COLOR/FINISH	MATERIAL	DAMPER	REMARKS
SD-1	SUPPLY DIFFUSER	TITUS	OMNI	24" x 24"	12"	LAY-IN	SQUARE PLAQUE	WHITE	STEEL	YES	
EG-1	EXHAUST GRILLE	TITUS	PAR	24" x 24"	8" x 8"	SURFACE	PERFORATED	WHITE	STEEL	YES	
RG-1	RETURN GRILLE	TITUS	PAR	24" x 24"	14" x 14"	LAY-IN	PERFORATED	WHITE	STEEL	YES	
RG-2	RETURN GRILLE	TITUS	PAR	24" x 12"	22" x 10"	LAY-IN	PERFORATED	WHITE	STEEL	YES	

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE: HVAC SCHEDULES

DRAWING NUMBER: **M7001**

REV: **0**

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PACKAGED DX INDOOR AIR HANDLING UNIT SCHEDULE

TAG	LOCATION	SERVICE	SYSTEM TYPE	COOLING AIRFLOW CFM	MINIMUM AIRFLOW CFM	HEATING AIRFLOW CFM	DESIGN OUTSIDE AIR CFM	MINIMUM OUTSIDE AIR CFM	EER	IEER	REFRIG TYPE	SUPPLY FAN DATA							PRE-FILTER				FILTER			
												DRIVE	ESP (IN. WG.)	TSP (IN. WG.)	RPM	MOTOR DATA BHP	MOTOR DATA HP	VFD / ECM	THICK (IN.)	MERV RATING	CLEAN APD (IN. WG.)	DIRTY APD (IN. WG.)	THICK (IN.)	MERV RATING	CLEAN APD (IN. WG.)	DIRTY APD (IN. WG.)
AHU-1	BASEMENT MECHANICAL ROOM	COMMUNITY ROOM	SINGLE ZONE VAV	5000	2500	5000	800	250	11.2	15.6	R-454B	DIRECT	1.25	1.6	840	2.89	5	VFD	2	8	0.25	0.5	4	14	0.5	0.75

PACKAGED DX INDOOR AIR HANDLING UNIT SCHEDULE CONT.

TAG	DX COOLING COIL DATA								HOT WATER COIL DATA						ELECTRICAL DATA							BASIS OF DESIGN				
	EAT (F)		LAT (F)		COOLING CAP. (MBH)		SERVED BY	COOLING	EAT (F)	LAT (F)	OUTPUT CAP. (MBH)	GPM	GLYCOL	ROWS	MCA	MOCP	VOLTAGE	PHASE	HZ	EMER. POWER (Y/N)	MANUFACTURER	MODEL	OPERATING WEIGHT (LBS)	DIMENSIONS (L x W x H)	REMARKS
	DB	WB	DB	WB	TOTAL	SENS.	ACCU	STAGES																	
AHU-1	78	65.1	56.7	54.7	156.4	115	ACCU-1	2	61.1	115.1	329.9	20	30% PG	2	25.5	30	208	3	60	N	JCI	GL180C00E2BAA1 & 1HW0411	820	74.5" x 33" x 75"	1, 2, 3, 4, 5, 6, 7

REMARKS:
1. DOUBLE WALL CONSTRUCTION WITH R-13 INSULATION.
2. SINGLE POINT POWER CONNECTION FOR ALL COMPONENTS WITHIN UNIT. ELECTRICAL CONTRACTOR TO PROVIDE LOCKABLE NON-FUSED KNIFE TYPE DISCONNECT.
3. PROVIDE WITH SUPPLY FAN VFD.
4. PROVIDE WITH STAND AND FRAMING FOR FLOOR MOUNTING.
5. HINGED GASKETED ACCESS DOORS.
6. OA DAMPER/ACTUATOR EXTERNAL TO UNIT AND TO BE SEPARATELY PROVIDED.
7. PROVIDE WITH PACKAGED DDC CONTROLLER FOR SINGLE ZONE VAV CONTROL AND WIRED PROGRAMMABLE THERMOSTAT.

AIR COOLED CONDENSING UNIT (COOLING ONLY) SCHEDULE

TAG	LOCATION	INDOOR UNIT SERVED	CAPACITY (TONS)	EER	MIN. SEER	REFRIG TYPE	COMPRESSOR QTY	CONDENSER AMBIENT AIR TEMP (F)	ELECTRICAL DATA						BASIS OF DESIGN					REMARKS
									MCA	MOCP	VOLTAGE	PHASE	HZ	EMER. POWER (Y/N)	MANUFACTURER	MODEL	ASSOCIATED EQUIPMENT	OPERATING WEIGHT (LBS)	DIMENSIONS (L x W x H)	
ACCU-1	ON GRADE	AHU-1	12.5	11.2	15.6	R-454B	2	95	56	70	208	3	60	N	JCI	KC150C00A2JAC1	AHU-1	519	58.5" x 60.66" x 50.08"	1, 2, 3

REMARKS:
1. INSTALL ON EXISTSING CONCRETE PAD AND REUSE EXISTING SECURITY CAGE.
2. SINGLE POINT POWER CONNECTION. ELECTRICAL CONTRACTOR TO PROVIDE LOCKABLE NON-FUSED KNIFE TYPE DISCONNECT.
3. PROVIDE WITH HAIL GUARDS.

DUCTLESS SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

TAG	LOCATION	SERVED BY	QUANTITY	COOLING CAPACITY (BTU/HR)	EER	SEER	REFRIG TYPE	ELECTRICAL DATA					BASIS OF DESIGN			REMARKS
								MCA	MOCP	VOLTAGE	PHASE	HZ	MANUFACTURER	MODEL	OPERATING WEIGHT (LBS)	
ACCU-2	ON GRADE	ACU-2	1	12,200	15.4	27	R-454B	10	15	208	1	60	TRANE	NTYSST09B112AA	79	1, 2, 3
ACCU-3	ON GRADE	ACU-3	1	24,000	12.6	19.5	R-454B	17	27	208	1	60	TRANE	PUZ-HA24NHA1-R1	190	1, 2, 3, 4

REMARKS:
1. INDOOR UNIT POWERED BY OUTDOOR UNIT.
2. PROVIDE ADDITIONAL ACCESSORIES AS REQUIRED. INSTALL AS PER MANUFACTURER'S REQUIREMENTS.
3. PROVIDE 24" FLOOR MOUNTING STAND.
4. PROVIDE WIND BAFFLE TO ALLOW LOW AMBIENT COOLING DOWN TO 0 DEGREES FAHRENHEIT.

DUCTLESS SPLIT SYSTEM INDOOR UNIT SCHEDULE

TAG	LOCATION	SERVED BY	QUANTITY	TYPE	CFM	COOLING CAP. (BTU/HR) TOTAL	REFRIG TYPE	BASIS OF DESIGN			REMARKS
								MANUFACTURER	MODEL	OPERATING WEIGHT (LBS)	
ACU-2	MANAGER'S OFFICE	ACCU-2	1	WALL MOUNTED	380	12,200	R-454B	TRANE	NTYWST09B112AA	23	1, 2, 3
ACU-3	FIRE COMMAND CENTER	ACCU-3	1	WALL MOUNTED	775	24,000	R-454B	TRANE	TPKA0A0241KA80A	46	1, 2, 3

REMARKS:
1. PROVIDE PROGRAMMABLE THERMOSTAT WITH DIGITAL DISPLAY.
2. INDOOR UNIT POWERED BY OUTDOOR UNIT.
3. PROVIDE COMPATIBLE CONDENSATE PUMP KIT.

WINDOW AIR CONDITIONING UNIT SCHEDULE

TAG	LOCATION	QUANTITY	COOLING (BTU)	CEER	CFM	ELECTRICAL DATA				BASIS OF DESIGN				REMARKS
						VOLTAGE	HZ	MCA	MOCP	MANUFACTURER	MODEL	DIMENSIONS H x W x D (IN)	OPERATING WEIGHT (LBS)	
WAC-1	1-BEDROOM APARTMENT UNITS	-	12,000	15	310	115	60	10.8	15	LG	LW1222IVSM	15" x 23"-5/8 x 28-7/9"	96	1, 2
WAC-2	2-BEDROOM & ADA APARTMENT UNITS	-	14,000	14.7	330	115	60	12	15	LG	LW1522IVSM	15" x 23"-5/8 x 28-7/9"	98	1, 2

REMARKS:
1. REPLACE EXISTING UNITS AT SAME LOCATION. EXISTING EXTERIOR SUPPORT AND CAGE TO REMAIN.
2. QUANTITY BASED ON EXISTING DRAWINGS. CAPACITY AND DIMENSIONS TO MATCH EXISTING. VERIFY QUANTITY, CAPACITY AND DIMENSIONS PRIOR TO START OF WORK.

AIR SEPARATOR SCHEDULE

TAG	LOCATION	SERVICE	CAPACITY (GPM)	VOLUME (GALLONS)	STRAINER (Y/N)	SIZE DIA X H (IN)	MANUFACTURER	MODEL	OPERATING WEIGHT (LBS)	REMARKS
AS-1	BOILER ROOM	HEATING HOT WATER SYSTEM	700	34	Y	18" x 44"	BELL & GOSSETT ROLAIRTROL	R-6F	295	

PACKAGED TERMINAL AIR CONDITIONER (PTAC) SCHEDULE

TAG	LOCATION	SERVICE	CFM	CAPACITY TONS	EER	REFRIG TYPE	COOLING DATA		HEATING DATA		BASIS OF DESIGN					REMARKS
							TOTAL MBH	SENSIBLE MBH	TYPE	KW	VOLTAGE	PHASE	HZ	MANUFACTURER	MODEL	OPERATING WEIGHT (LBS)	
PAC-1	VESTIBULE	VESTIBULE	341	1.25	10.4	R-32	14.7	9.8	ELECTRIC	5	208	1	60	FRIEDRICH	ZONEAIRE PDE15K3SGR3	114.7	ALL

REMARKS:
1. REPLACE EXISTING UNITS AT SAME LOCATION. EXISTING SUPPORT TO REMAIN.

AHU-1 VENTILATION SCHEDULE

ROOM	OCCUPANCY CLASSIFICATION	FLOOR AREA (SQFT)	NO. OF PEOPLE	NO. OF DEWELLING UNIT	PEOPLE OUTDOOR AIRFLOW RATE (CFM/PERSON)	AREA OUTDOOR AIRFLOW RATE (CFM/SQFT)	VENTILATION BASED ON PEOPLE (CFM)	VENTILATION CFM BASED ON AREA (CFM)	VENTILATION EFFECTIVENESS	TOTAL REQUIRED VENTILATION (CFM)
012 COMMUNITY ROOM	CONFERENCE	1755	90	-	5	0.06	450	105	0.8	694
017 KITCHENETTE	BREAKROOM	199	5	-	5	0.06	25	12	0.8	46
007 COMPUTER ROOM	LIBRARY	121	4	-	5	0.12	20	15	0.8	43
							TOTAL VENTILATION REQUIRED (CFM)			**783**
							TOTAL VENTILATION DESIGNED (CFM)			**800**

MAU-1 VENTILATION SCHEDULE

ROOM	OCCUPANCY CLASSIFICATION	FLOOR AREA (SQFT)	NO. OF PEOPLE2	NO. OF DEWELLING UNIT	PEOPLE OUTDOOR AIRFLOW RATE (CFM/PERSON)	AREA OUTDOOR AIRFLOW RATE (CFM/SQFT)	VENTILATION BASED ON PEOPLE (CFM)	VENTILATION CFM BASED ON AREA (CFM)	VENTILATION EFFECTIVENESS	TOTAL REQUIRED VENTILATION (CFM)
104 CORRIDOR	CORRIDORS	880	-	-	-	0.06	-	53	1	53
114 ELEVATOR LOBBY	CORRIDORS	134	-	-	-	0.06	-	8	1	8
115 CORRIDOR	CORRIDORS	438	-	-	-	0.06	-	26	1	26
103 LOBBY	CORRIDORS	87	-	-	-	0.06	-	5	1	5
1ST FLOOR ONE BED UNITS	LIVING AREAS	-	2	12	15	-	360	-	1	360
1ST FLOOR TWO BED UNITS	LIVING AREAS	-	3	2	15	-	90	-	1	90
201 CORRIDOR1	CORRIDORS	784	-	-	-	0.06	-	47	1	47
204 ELEVATOR LOBBY1	CORRIDORS	134	-	-	-	0.06	-	8	1	8
205 CORRIDOR1	CORRIDORS	475	-	-	-	0.06	-	29	1	29
2ND FLOOR ONE BED UNITS	LIVING AREAS	-	2	15	15	-	450	-	1	450
2ND FLOOR TWO BED UNITS	LIVING AREAS	-	3	2	15	-	90	-	1	90
301 CORRIDOR1	CORRIDORS	784	-	-	-	0.06	-	47	1	47
304 ELEVATOR LOBBY1	CORRIDORS	134	-	-	-	0.06	-	8	1	8
305 CORRIDOR1	CORRIDORS	475	-	-	-	0.06	-	29	1	29
3RD FLOOR ONE BED UNITS	LIVING AREAS	-	2	15	15	-	450	-	1	450
4TH FLOOR TWO BED UNITS	LIVING AREAS	-	3	2	15	-	90	-	1	90
401 CORRIDOR1	CORRIDORS	784	-	-	-	0.06	-	47	1	47
404 ELEVATOR LOBBY1	CORRIDORS	134	-	-	-	0.06	-	8	1	8
4TH FLOOR DWELLING UNITS	LIVING AREAS	-	2	12	15	-	360	-	1	360
501 CORRIDOR1	CORRIDORS	784	-	-	-	0.06	-	47	1	47
504 ELEVATOR LOBBY1	CORRIDORS	134	-	-	-	0.06	-	8	1	8
5TH FLOOR DWELLING UNITS	LIVING AREAS	-	2	12	15	-	360	-	1	360
601 CORRIDOR1	CORRIDORS	784	-	-	-	0.06	-	47	1	47
604 ELEVATOR LOBBY1	CORRIDORS	134	-	-	-	0.06	-	8	1	8
6TH FLOOR DWELLING UNITS	LIVING AREAS	-	2	12	15	-	360	-	1	360
701 CORRIDOR1	CORRIDORS	784	-	-	-	0.06	-	47	1	47
704 ELEVATOR LOBBY1	CORRIDORS	134	-	-	-	0.06	-	8	1	8
7TH FLOOR DWELLING UNITS	LIVING AREAS	-	2	12	15	-	360	-	1	360
801 CORRIDOR1	CORRIDORS	784	-	-	-	0.06	-	47	1	47
804 ELEVATOR LOBBY1	CORRIDORS	134	-	-	-	0.06	-	8	1	8
8TH FLOOR DWELLING UNITS	LIVING AREAS	-	2	12	15	-	360	-	1	360
901 CORRIDOR1	CORRIDORS	784	-	-	-	0.06	-	47	1	47
904 ELEVATOR LOBBY1	CORRIDORS	134	-	-	-	0.06	-	8	1	8
9TH FLOOR DWELLING UNITS	LIVING AREAS	-	2	12	15	-	360	-	1	360
							TOTAL VENTILATION REQUIRED (CFM)			**4280**
							TOTAL VENTILATION DESIGNED (CFM)			**4300**

NOTES:
1. AIR BEING SUPPLIED TO THE ELEVATOR LOBBY AND TRANSFERRED TO THE DWELLING UNIT AND OFFSET FOR DWELLING TOILET EXHAUSTS.
2. NUMBER OF OCCUPANTS IN DWELLING UNIT BASED ON THE NUMBER OF BEDROOMS, 2 PEOPLE PER BEDROOM WITH 1 ADDITIONAL PERSON FOR EACH ADDITIONAL BEDROOM.
3. VENTILATION CALCULATION DONE BASED ON 2024 OHIO MECHANICAL CODE SECTION 403.3.1.

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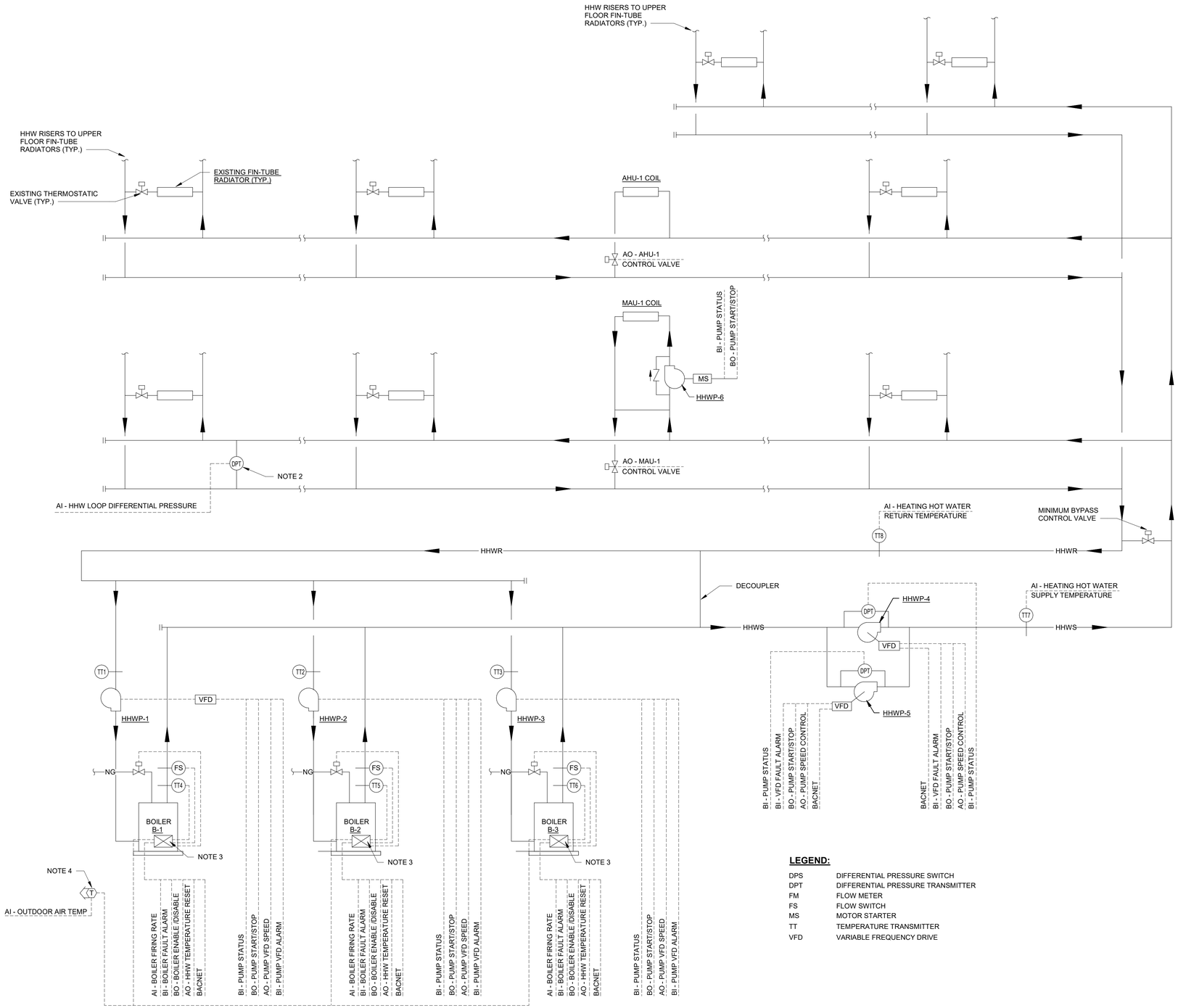
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HEATING HOT WATER CONTROL DIAGRAM

LEGEND:

DPS	DIFFERENTIAL PRESSURE SWITCH
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
FM	FLOW METER
FS	FLOW SWITCH
MS	MOTOR STARTER
TT	TEMPERATURE TRANSMITTER
VFD	VARIABLE FREQUENCY DRIVE

KEY NOTES:

1. ONLY CONTROL VALVES, TEMPERATURE/PRESSURE SENSORS ARE SHOWN IN THIS DIAGRAM. FOR SERVICE VALVES, THERMOMETERS, PRESSURE GAUGES AND OTHER HYDRONIC ACCESSORIES, REFER TO FLOOR PLANS AND PIPING SCHEMATICS.
2. INSTALL NEW DIFFERENTIAL PRESSURE TRANSMITTER ACROSS THE MOST REMOTE HEATING HOT WATER RISER ON LEVEL 1.
3. PACKAGED BOILER SEQUENCER SHALL BE PROVIDED BY NEW CONDENSING BOILER SUPPLIER, INSTALLED AND INTEGRATED INTO THE BMS TO ACHIEVE THE SEQUENCE OF OPERATION AS SPECIFIED.
4. OUTSIDE AIR TEMPERATURE TRANSMITTER LOCATED ON NORTH FACING WALL WITH WEATHER SHIELD. TIE IN WITH MASTER BOILER CONTROLLER FOR SUPPLY WATER TEMP RESET CONTROL.

SEQUENCE OF OPERATION

GENERAL

THE HEATING HOT WATER (HHW) SYSTEM IS ENABLED BY THE BUILDING MANAGEMENT SYSTEM (BMS) IF ALL OF THE FOLLOWING CONDITIONS ARE MET.
(1) OUTSIDE AIR TEMPERATURE (OAT) IS LESS THAN 70°F (ADJ.)
(2) AT LEAST ONE OF THE AHU'S IN THE HEATING MODE.
OR WHENEVER OAT IS LESS THAN 55°F (ADJ.).

THE HHW SYSTEM IS DISABLED BY THE BMS IF ALL OF THE FOLLOWING CONDITIONS ARE MET.
(1) NONE OF THE AHU'S ARE IN THE HEATING MODE.
(2) OAT IS GREATER THAN 55°F (ADJ.)
OR WHENEVER OAT IS GREATER THAN 70°F (ADJ.).

SYSTEM ENABLED

(1) BOILERS & BOILER PUMPS (PRIMARY PUMPS)

BOILERS B-1, B-2 AND B-3 SHALL FOLLOW THE LEAD-LAG-STANDBY SEQUENCE, WITH ONE OF THE BOILERS BEING DESIGNATED THE LEAD BOILER, THE SECOND AS LAG, AND THE THIRD AS STANDBY. THE LEAD BOILER SHALL BE TURNED ON FIRST UPON HEATING DEMAND. THE LAG BOILER SHALL BE TURNED ON IF THE LEAD BOILER IS UNABLE TO MAINTAIN THE HOT WATER TEMPERATURE. THE STANDBY BOILER SHALL NOT BE RUNNING IN NORMAL OPERATION AND SHALL ONLY BE TURNED ON WHEN EITHER OF THE LEAD OR LAG BOILERS FAILS TO OPERATE. THE LEAD/LAG/STANDBY BOILERS SHALL BE ALTERNATED BASED ON EQUAL OPERATING HOURS SET AT THE MASTER BOILER CONTROLLER .

WHEN THE SYSTEM IS ENABLED, THE LEAD CONDENSING BOILER PUMP SHALL BE STARTED. THE LEAD BOILER SHALL START 60 SECONDS (ADJ.) AFTER THE START OF THE OF LEAD BOILER PUMP AND AFTER FLOW IS PROVEN BY THE FLOW SWITCH. IF THE BOILER PUMP OPERATION IS NOT VERIFIED BY THE BMS 30 SECONDS (ADJ.) AFTER THE START OF THE LEAD PUMP, A "PUMP FAILURE" ALARM SHALL BE INDICATED AT THE BMS, THE STANDBY BOILER AND STANDBY PUMP SHALL BE SWITCHED AS THE LEAD INSTEAD. FAILURE OF THE BOILER DUE TO FLAME FAILURE, LOW WATER LEVEL, ETC. SHALL INITIATE A "BOILER FAULT" ALARM AT THE BMS AND PUT THE STANDBY BOILER AS THE LEAD. ANY ALARMS GENERATED BY THE BOILER CONTROL AND SEQUENCING PANELS MUST BE MONITORED BY THE BMS.

THE BOILER SHALL MODULATE THE FIRING RATE AND STAGE ON LINE AND OFF LINE THROUGH ITS INTERNAL CONTROLS AT THE BOILER CONTROLLER AND BOILER SEQUENCER TO MAINTAIN THE SUPPLY WATER TEMPERATURE SETPOINT, RESET BASED ON OUTSIDE AIR TEMPERATURE FOLLOWING THE SCHEDULE BELOW. ALL SETPOINTS SHALL BE MADE ADJUSTABLE.

OUTDOOR AIR TEMP (°F)	SUPPLY WATER TEMP (TT5) SETPOINT (°F)
20	180
60	140

THE BOILERS SHALL STAGE ON LINE AND OFF LINE THROUGH THE BOILER SEQUENCER BASED ON THE CONDITIONS IN THE FOLLOWING SCHEDULE. THE BOILER PUMP SHALL START BEFORE THE START OF THE ASSOCIATED BOILER AND SHALL TURN OFF AFTER THE SHUTDOWN OF THE BOILER. ALL SETPOINTS SHALL BE MADE ADJUSTABLE.

STAGE	1ST STAGE (LEAD BOILER RUNNING ONLY)	2ND STAGE (LEAD AND LAG BOILERS RUNNING)
ON LINE	IF SYSTEM ENABLED AND SUPPLY WATER TEMP < SETPOINT FOR 5 MIN., START LEAD BOILER.	IF LEAD BOILER AT 90% (ADJ.) FIRING RATE AND SUPPLY WATER TEMP < SETPOINT FOR 5 MIN., START LAG BOILER AND BOTH BOILERS TO OPERATE AT 30% FIRING RATE AND MODULATE TOGETHER.
OFF LINE	IF 1ST BOILER AT 20% FIRING RATE AND SUPPLY WATER TEMP > SETPOINT FOR 5 MIN, SHUT DOWN ALL BOILERS.	IF BOTH BOILERS < 40% (ADJ.) FIRING RATE AND SUPPLY WATER TEMP > SETPOINT FOR 5 MIN., SHUT DOWN LAG BOILER. THE LEAD BOILER TO OPERATE AT 40% FIRING RATE.

PROGRAM BOILER PUMP HHWP-1, HHWP-2 AND HHWP-3 VFD AND MODULATE PUMP SPEED TO MAINTAIN 20 °F (ADJ.) DIFFERENCE BETWEEN THE BOILER INLET AND OUTLET TEMPERATURES. SET THE PUMP MINIMUM SPEED AT 50% (ADJ.).

IF HEATING HOT WATER SYSTEM IS ENABLED AND SYSTEM SUPPLY WATER TEMPERATURE (TT7) IS GREATER THAN 190°F (ADJ.) OR 10 °F (ADJ.) HIGHER THAN SETPOINT, BMS SHALL SIGNAL SYSTEM HIGH TEMPERATURE ALARM. IF SYSTEM IS ENABLED AND SUPPLY WATER TEMPERATURE IS 10°F (ADJ.) LOWER THAN SETPOINT, BMS SHALL INDICATE LOW TEMPERATURE ALARM.

(2) SYSTEM PUMPS (SECONDARY PUMPS)

ONE OF THE SYSTEM PUMPS HHWP-4 & HHWP-5 SHALL BE DESIGNATED AS THE LEAD SYSTEM PUMP. THE OTHER PUMP SHALL BE DESIGNATED AS THE STAND-BY SYSTEM PUMP. THE LEAD PUMP SHALL BE AUTOMATICALLY ALTERNATED BETWEEN HHWP-4 & HHWP-5 EVERY TWO WEEKS (ADJ.).

WHEN THE SYSTEM IS ENABLED, THE LEAD SYSTEM PUMP SHALL BE STARTED. IF THE PUMP OPERATION IS NOT VERIFIED BY THE BMS 30 SECONDS (ADJ.) AFTER THE START OF THE PUMP, A "PUMP FAILURE" ALARM SHALL BE INDICATED AT THE BMS AND THE STAND-BY PUMP SHALL BE SWITCHED AS THE LEAD PUMP INSTEAD. ANY ALARMS GENERATED BY THE PUMP VFD SHALL BE MONITORED BY THE BMS.

THE SYSTEM PUMP SPEED SHALL BE MODULATED THRU THE VFD TO MAINTAIN THE SYSTEM DIFFERENTIAL PRESSURE SETPOINT AT THE LOCATION WHERE THE DIFFERENTIAL PRESSURE SENSOR IS INSTALLED. THE INITIAL DIFFERENTIAL PRESSURE SETPOINT IS 7.5 PSI. THE SETPOINT SHALL BE DETERMINED BY THE HYDRONIC TEST AND BALANCE CONTRACTOR DURING THE TAB PROCESS.

WHEN THE SYSTEM PUMP ARE AT THE MINIMUM SPEED. THE BYPASS CONTROL VALVE SHALL OPEN AND MODULATE TO MAINTAIN THE SYSTEM DIFFERENTIAL PRESSURE SETPOINT.

(3) MAU COIL CIRCULATION PUMP (TERTIARY PUMPS)

THE MAU COIL CIRCULATION PUMPS SHALL BE STARTED AND RUNNING CONTINUOUSLY IF OAT IS LESS THAN 40 F (ADJ.) AND SHALL BE DISABLED IF OAT IS GREATER THAN 45 F (ADJ.)

SYSTEM DISABLED

WHEN THE HHW SYSTEM IS DISABLED, ALL BOILERS AND HHW PUMPS SHALL SHUT DOWN. UPON A BOILER SHUTDOWN, THE OPERATING HHW PUMP SHALL CONTINUE TO RUN FOR 2 MIN. (ADJ.) PRIOR TO SHUTDOWN.

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MAPLE TOWER RAD RENOVATIONS
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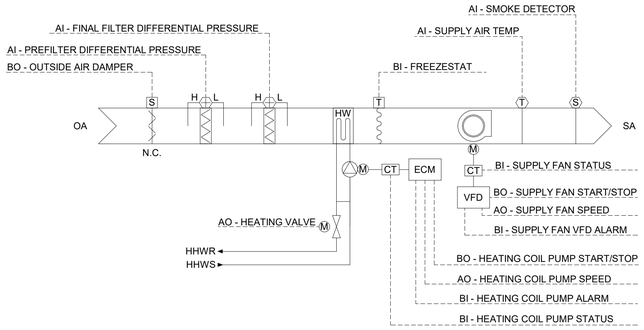
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HVAC CONTROL DIAGRAMS

DRAWING NUMBER: **M8001**

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SEQUENCE OF OPERATION

RUN CONDITIONS:
THE UNIT SHALL RUN CONTINUOUSLY.

FREEZE PROTECTION:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A FREEZESTAT STATUS.

SMOKE DETECTION:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A SMOKE DETECTOR STATUS.

OUTSIDE AIR DAMPER:
THE OUTSIDE AIR DAMPER SHALL OPEN ANYTIME THE UNIT RUNS AND SHALL CLOSE ANYTIME THE UNIT STOPS. THE SUPPLY FAN SHALL START ONLY AFTER THE DAMPER STATUS HAS PROVEN THE DAMPER IS OPEN. THE OUTSIDE AIR DAMPER SHALL CLOSE AFTER THE SUPPLY FAN STOPS.

SUPPLY FAN:
THE SUPPLY FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- SUPPLY FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- SUPPLY FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.

SUPPLY AIR TEMPERATURE SETPOINT - OUTSIDE AIR RESET:
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE AND SHALL MAINTAIN SUPPLY AIR TEMPERATURE SETPOINT. THE SUPPLY AIR TEMPERATURE SETPOINT SHALL RESET FOR COOLING AS FOLLOWS:

AS OUTSIDE AIR TEMPERATURE DROPS FROM 75°F (ADJ.) TO 20°F (ADJ.)
THE SUPPLY AIR TEMPERATURE SETPOINT SHALL RESET UPWARDS FROM 55°F (ADJ.) TO 90°F (ADJ.).

HEATING COIL CONTROL VALVE:
THE CONTROLLER SHALL MEASURE THE SUPPLY AIR TEMPERATURE AND MODULATE THE HEATING COIL VALVE TO MAINTAIN ITS HEATING SETPOINT.

THE HEATING SHALL BE ENABLED WHENEVER:
- OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
- AND THE SUPPLY AIR TEMPERATURE IS BELOW HEATING SETPOINT.
- AND THE FAN STATUS IS ON.

THE HEATING COIL VALVE SHALL OPEN TO 100% (ADJ.) WHENEVER THE FREEZESTAT IS ON.

HEATING COIL PUMP:
THE RECIRCULATION PUMP SHALL RUN WHENEVER:
- OUTSIDE AIR TEMPERATURE IS LESS THAN 40°F (ADJ.).
- THE HEATING COIL VALVE IS ENABLED.
- OR THE FREEZESTAT (IF PRESENT) IS ON.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HEATING COIL PUMP FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- HEATING COIL PUMP IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.

PREFILTER DIFFERENTIAL PRESSURE MONITOR:
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE PREFILTER.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- PREFILTER CHANGE REQUIRED: PREFILTER DIFFERENTIAL PRESSURE EXCEEDS 0.5 IN.WG (ADJ.).

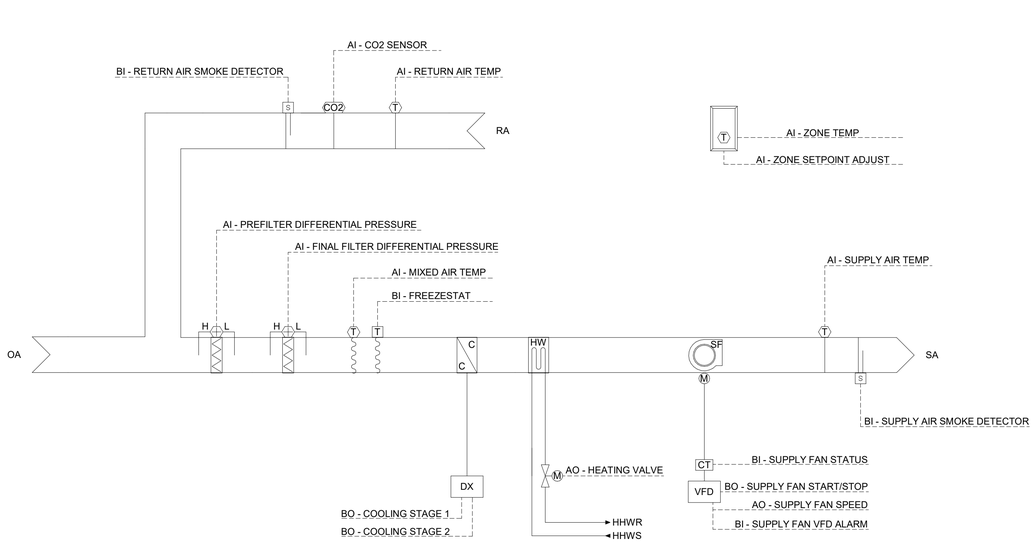
FINAL FILTER DIFFERENTIAL PRESSURE MONITOR:
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FINAL FILTER.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- FINAL FILTER CHANGE REQUIRED: FINAL FILTER DIFFERENTIAL PRESSURE EXCEEDS 0.75 IN.WG (ADJ.).

SUPPLY AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS GREATER THAN 100°F (ADJ.).
- LOW SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS LESS THAN 50°F (ADJ.).

DOAS UNIT (MAU-1) CONTROL



SEQUENCE OF OPERATION

RUN CONDITIONS:
THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:
- OCCUPIED MODE: THE UNIT SHALL MAINTAIN
  - A 75°F (ADJ.) COOLING SETPOINT
  - A 72°F (ADJ.) HEATING SETPOINT.
- UNOCCUPIED MODE (NIGHT SETBACK): THE UNIT SHALL MAINTAIN
  - A 77°F (ADJ.) COOLING SETPOINT.
  - A 70°F (ADJ.) HEATING SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY 2°F (ADJ.).
- LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY 2°F (ADJ.).

ZONE SETPOINT ADJUST:
THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR.

FREEZE PROTECTION:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A FREEZESTAT STATUS.

RETURN AIR SMOKE DETECTION:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A RETURN AIR SMOKE DETECTOR STATUS.

SUPPLY AIR SMOKE DETECTION:
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A SUPPLY AIR SMOKE DETECTOR STATUS.

SUPPLY FAN:
THE SUPPLY FAN SHALL RUN IN CONSTANT SPEED (VFD ADJUSTED DURING TAB TO MAINTAIN DESIGN AIRFLOW) ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- SUPPLY FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- SUPPLY FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.

COOLING STAGES:
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND STAGE THE COOLING TO MAINTAIN ITS COOLING SETPOINT.

THE COOLING SHALL BE ENABLED WHENEVER:
- OUTSIDE AIR TEMPERATURE IS GREATER THAN 60°F (ADJ.).
- AND THE ZONE TEMPERATURE IS ABOVE COOLING SETPOINT.
- AND THE SUPPLY FAN STATUS IS ON.
- AND THE HEATING IS NOT ACTIVE.

HEATING COIL CONTROL VALVE:
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE HEATING COIL VALVE TO MAINTAIN ITS HEATING SETPOINT.

THE HEATING SHALL BE ENABLED WHENEVER:
- OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
- AND THE ZONE TEMPERATURE IS BELOW HEATING SETPOINT.
- AND THE SUPPLY FAN STATUS IS ON.
- AND THE COOLING IS NOT ACTIVE.

THE HEATING COIL VALVE SHALL OPEN WHENEVER THE FREEZESTAT (IF PRESENT) IS ON.

OUTSIDE AIR DAMPER CONTROL / DEMAND CONTROL VENTILATION:
THE OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN 1200 CFM (ADJ.) AT THE OUTSIDE AIR FLOW STATION ANYTIME THE UNIT IS RUNNING IN THE OCCUPIED MODE AND THE RETURN AIR CO2 IS GREATER THAN 750 PPM (ADJ.). THE OUTSIDE AIR DAMPER SHALL OPEN TO MAINTAIN 300 CFM (ADJ.) OUTSIDE AIR IF THE UNIT IS RUNNING IN THE OCCUPIED MODE AND THE RETURN AIR CO2 IS LESS THAN 700 PPM (ADJ.). THE OUTSIDE AIR DAMPER SHALL BE FULLY CLOSED IF THE UNIT IS IN THE UNOCCUPIED MODE.

PREFILTER DIFFERENTIAL PRESSURE MONITOR:
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE PREFILTER.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- PREFILTER CHANGE REQUIRED: PREFILTER DIFFERENTIAL PRESSURE EXCEEDS 0.5 IN.WG (ADJ.).

FINAL FILTER DIFFERENTIAL PRESSURE MONITOR:
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FINAL FILTER.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- FINAL FILTER CHANGE REQUIRED: FINAL FILTER DIFFERENTIAL PRESSURE EXCEEDS 0.75 IN.WG (ADJ.).

MIXED AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE MIXED AIR TEMPERATURE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS GREATER THAN 90°F (ADJ.).
- LOW MIXED AIR TEMP: IF THE MIXED AIR TEMPERATURE IS LESS THAN 45°F (ADJ.).

RETURN AIR CARBON DIOXIDE (CO2) CONCENTRATION MONITORING:
THE CONTROLLER SHALL MEASURE THE RETURN AIR CO2 CONCENTRATION.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN AIR CARBON DIOXIDE CONCENTRATION: IF THE RETURN AIR CO2 CONCENTRATION IS GREATER THAN 1000 PPM (ADJ.) WHEN IN THE OCCUPIED MODE.

RETURN AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE RETURN AIR TEMPERATURE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH RETURN AIR TEMP: IF THE RETURN AIR TEMPERATURE IS GREATER THAN 80°F (ADJ.).
- LOW RETURN AIR TEMP: IF THE RETURN AIR TEMPERATURE IS LESS THAN 60°F (ADJ.).

SUPPLY AIR TEMPERATURE:
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS GREATER THAN 100°F (ADJ.).
- LOW SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMPERATURE IS LESS THAN 50°F (ADJ.).

SINGLE ZONE AHU (AHU-1) CONTROL

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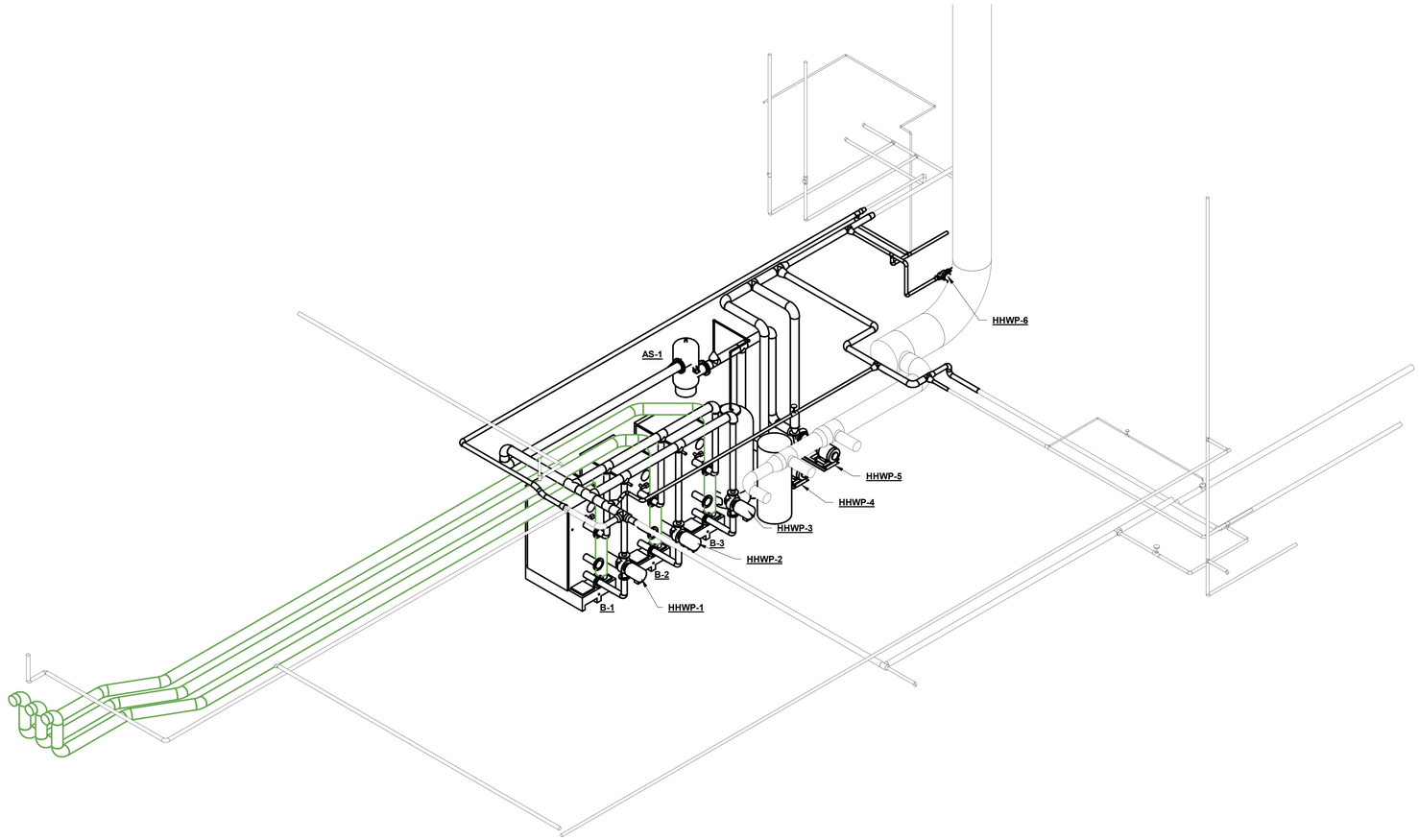
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BOILER ROOM PIPING 3D VIEW

SCALE:

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BOILER ROOM PIPING 3D VIEW

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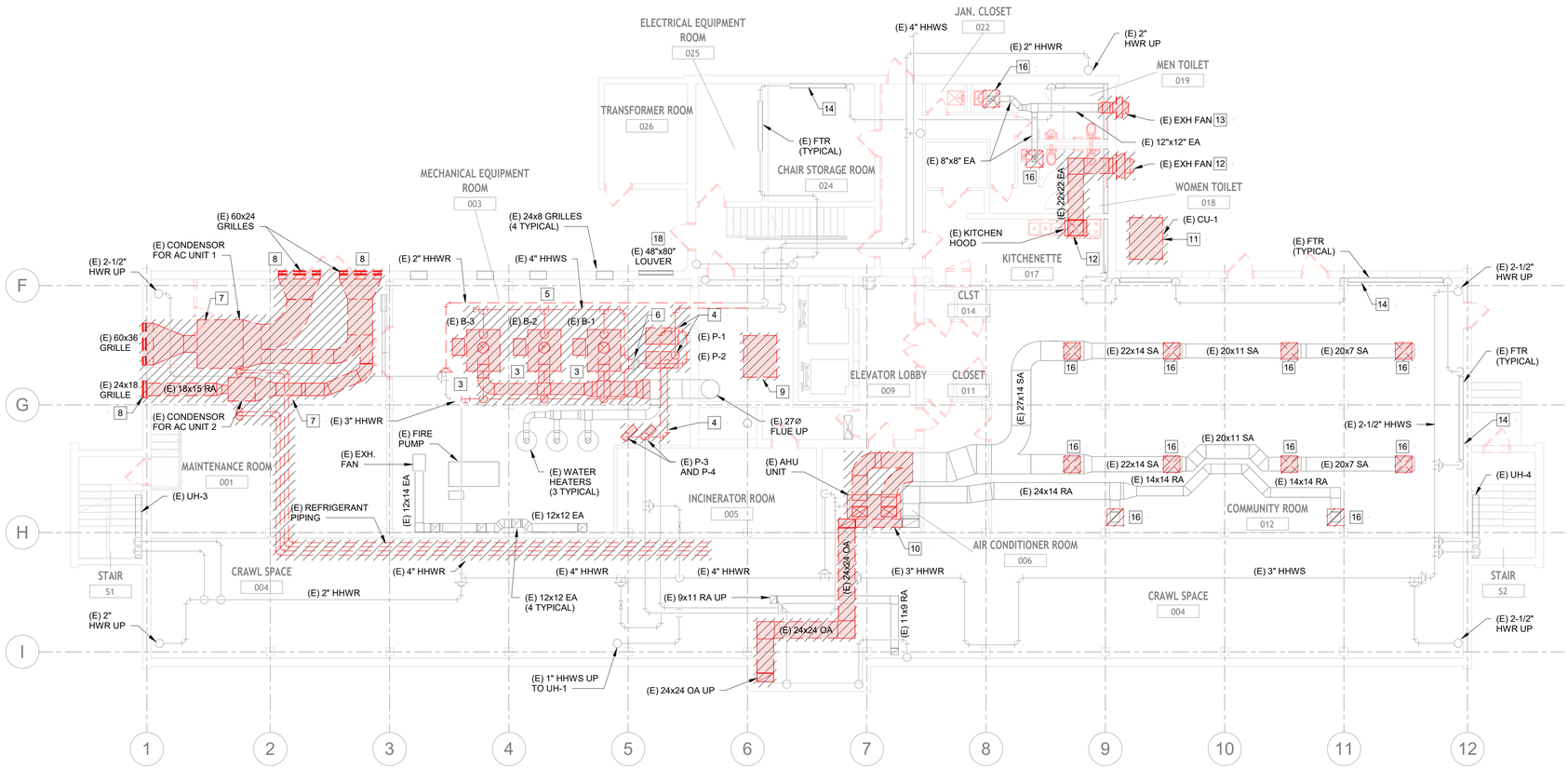
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HVAC DEMOLITION KEY NOTES

1. DEMO EXISTING WINDOW AC UNITS AND SLEEVE. POWER OULET AND EXTERIOR CAGE TO REMAIN. PREP FOR INSTALLATION OF NEW AC UNITS AT SAME LOCATION.
2. DEMO EXISTING WALL ELECTRIC HEATER IN RESIDENTIAL UNIT BATHROOM. INFILL OPENING TO MATCH EXISTING WALL. REMOVE POWER BACK TO SOURCE.
3. DEMO EXISTING HOT WATER BOILER, EXPANSION TANK, ASSOCIATED PIPING, ACCESSORIES AND TEMPERATURE CONTROLS. REMOVE BRANCH GAS PIPING, FLUE VENT DUCT AND CAP AT MAIN. REMOVE POWER BACK TO SOURCE.
4. DEMO EXISTING HEATING HOT WATER PUMP IN ITS ENTIRETY INCLUDING PIPING, ACCESSORIES AND TEMPERATURE CONTROLS. REMOVE POWER BACK TO SOURCE.
5. DEMO EXISTING HEATING HOT WATER SUPPLY AND RETURN PIPING WITHIN THE BOILER ROOM AS INDICATED, INCLUDING VALVES, FITTINGS AND ACCESSORIES.
6. DEMO EXISTING 3-WAY CONTROL VALVE AT LOCATION INDICATED.
7. DEMO EXISTING DUCTED AIR-COOLED CONDENSING UNIT COMPLETE INCLUDING ASSOCIATED DUCTWORK, REFRIGERANT PIPING AND ACCESSORIES. REMOVE POWER BACK TO SOURCE.
8. INFILL AND CAP OPENING BEHIND EXISTING LOUVER TO MATCH EXISTING WALL INSULATION RATING.
9. DEMO EXISTING CEILING SUSPENDED VENTILATION AHU COMPLETE AT LOCATION INCIDATED INCLUDING ASSOCIATED DUCTWORK, HEATING HOT WATER BRANCH PIPING AND TEMPERATURE CONTROLS.
10. DEMO EXISTING YORK FLOOR MOUNTED COMMUNITY ROOM AHU AT LOCATION INDICATED. CUT AND CAP EXISTING HEATING HOT WATER PIPING BRANCH.
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12. DEMO EXISTING KITCHEN EXHAUST FAN AT LOCATION INDICATED INCLUDING ASSOCIATED DUCTWORK, POWER AND CONTROLS. INFILL WALL OPENING TO MATCH EXISTING EXTERIOR WALL.
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15. DEMO EXISTING BATHROOM EXHAUST AIR TERMINAL FOR ALL RESIDENTIAL UNITS. PREP FOR REPLACEMENT.
16. DEMO EXISTING SUPPLY AND RETURN AIR TERMINALS WITHIN COMMUNITY ROOM AND PUBLIC RESTROOMS. PREP FOR REPLACEMENT.
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19. EXISTING RESIDENT FLOOR VENTILATION DUCT RISER AND ASSOCIATED AIR TERMINALS TO REMAIN.
20. DEMO EXISTING PTAC UNIT. EXISTING POWER OULET, SLEEVE AND EXTERIOR CAGE TO REMAIN. PREP FOR INSTALLATION OF NEW PTAC UNIT AT THE SAME LOCATION.



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OVERALL GROUND LEVEL HVAC DEMOLITION PLAN

1

SCALE: 1/8" = 1'-0"

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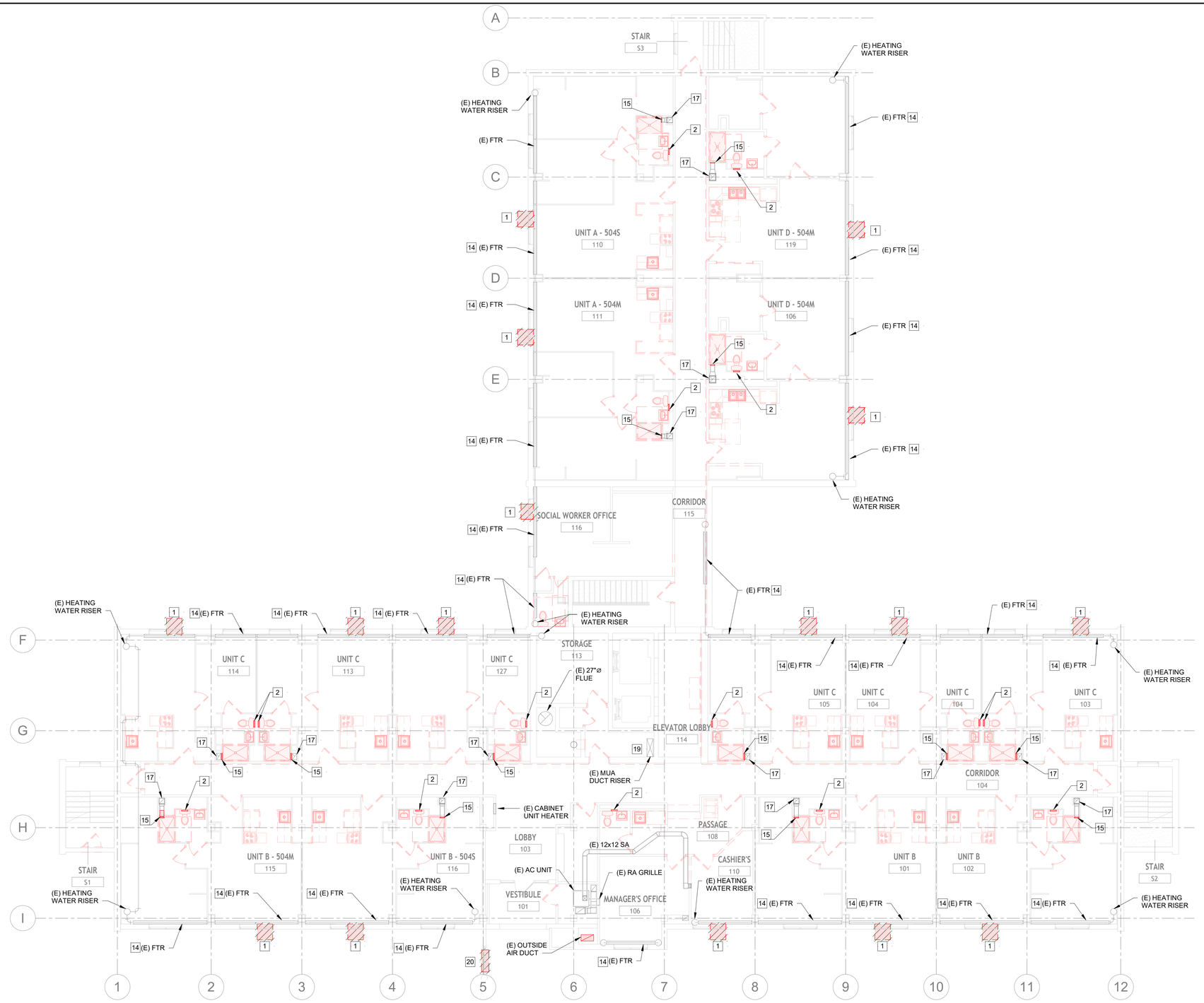
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OVERALL GROUND LEVEL HVAC DEMOLITION PLAN

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OVERALL 1ST LEVEL HVAC DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

HVAC DEMOLITION KEY NOTES

1. DEMO EXISTING WINDOW AC UNITS AND SLEEVE. POWER OULET AND EXTERIOR CAGE TO REMAIN. PREP FOR INSTALLATION OF NEW AC UNITS AT SAME LOCATION.
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20. DEMO EXISTING PTAC UNIT. EXISTING POWER OULET, SLEEVE AND EXTERIOR CAGE TO REMAIN. PREP FOR INSTALLATION OF NEW PTAC UNIT AT THE SAME LOCATION.

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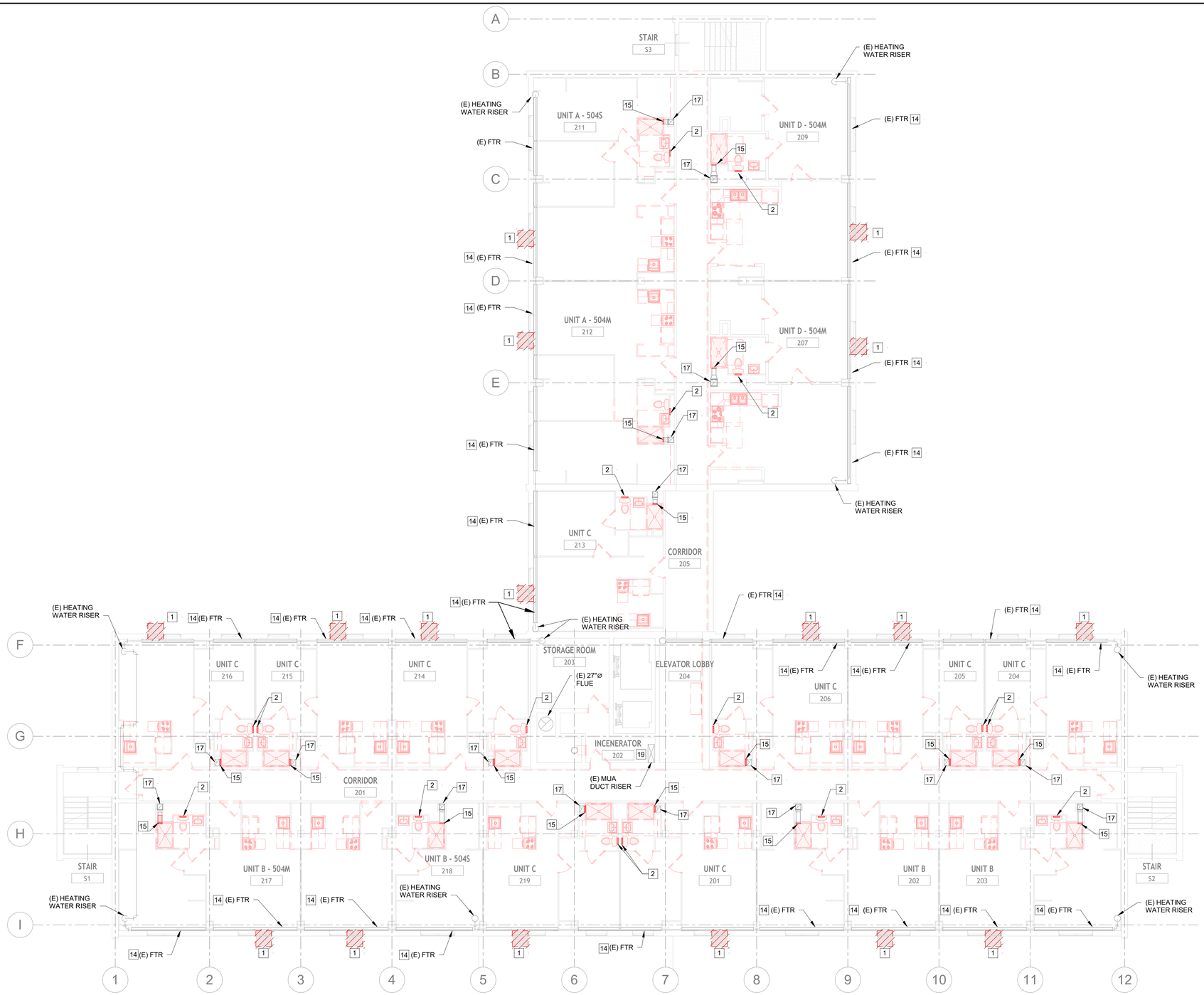
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REV: **0**

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OVERALL 2ND AND 3RD LEVELS HVAC DEMOLITION PLAN

1

SCALE: 1/8" = 1'-0"

HVAC DEMOLITION KEY NOTES

1. DEMO EXISTING WINDOW AC UNITS AND SLEEVE. POWER OULET AND EXTERIOR CAGE TO REMAIN. PREP FOR INSTALLATION OF NEW AC UNITS AT SAME LOCATION.
2. DEMO EXISTING WALL ELECTRIC HEATER IN RESIDENTIAL UNIT BATHROOM. INFILL OPENING TO MATCH EXISTING WALL. REMOVE POWER BACK TO SOURCE.
3. DEMO EXISTING HOT WATER BOILER, EXPANSION TANK, ASSOCIATED PIPING, ACCESSORIES AND TEMPERATURE CONTROLS. REMOVE BRANCH GAS PIPING, FLUE VENT DUCT AND CAP AT MAIN. REMOVE POWER BACK TO SOURCE.
4. DEMO EXISTING HEATING HOT WATER PUMP IN ITS ENTIRETY INCLUDING PIPING, ACCESSORIES AND TEMPERATURE CONTROLS. REMOVE POWER BACK TO SOURCE.
5. DEMO EXISTING HEATING HOT WATER SUPPLY AND RETURN PIPING WITHIN THE BOILER ROOM AS INDICATED, INCLUDING VALVES, FITTINGS AND ACCESSORIES.
6. DEMO EXISTING 3-WAY CONTROL VALVE AT LOCATION INDICATED.
7. DEMO EXISTING DUCTED AIR-COOLED CONDENSING UNIT COMPLETE INCLUDING ASSOCIATED DUCTWORK, REFRIGERANT PIPING AND ACCESSORIES. REMOVE POWER BACK TO SOURCE.
8. INFILL AND CAP OPENING BEHIND EXISTING LOUVER TO MATCH EXISTING WALL INSULATION RATING.
9. DEMO EXISTING CEILING SUSPENDED VENTILATION AHU COMPLETE AT LOCATION INCIDATED INCLUDING ASSOCIATED DUCTWORK, HEATING HOT WATER BRANCH PIPING AND TEMPERATURE CONTROLS.
10. DEMO EXISTING YORK FLOOR MOUNTED COMMUNITY ROOM AHU AT LOCATION INDICATED. CUT AND CAP EXISTING HEATING HOT WATER PIPING BRANCH.
11. DEMO EXISTING YORK CONDENSING UNIT SERVING COMMUNITY ROOM AHU AT LOCATION INDICATED AND ALL ASSOCIATED REFRIGERANT PIPING CONNECTING CONDENSING UNIT AND INDOOR AHU.
12. DEMO EXISTING KITCHEN EXHAUST FAN AT LOCATION INDICATED INCLUDING ASSOCIATED DUCTWORK, POWER AND CONTROLS. INFILL WALL OPENING TO MATCH EXISTING EXTERIOR WALL.
13. DEMO EXISTING TOILET EXHAUST FAN AT LOCATION INDICATED. EXISTING DUCTWORK AND POWER TO REMAIN FOR RECONNECTION TO NEW FAN.
14. EXISTING PERIMETER FIN-TUBE RADIATOR AND ASSOCIATED HOT WATER SUPPLY AND RETURN DISTRIBUTION PIPING INCLUDING PIPE RISERS, VALVES, FIN-TUBE ELEMENTS AND ENCLOSURES TO REMAIN FOR REUSE, UNLESS OTHERWISE NOTED FOR REPLACEMENT OR TO BE RECONNECTED TO NEW EQUIPMENT.
15. DEMO EXISTING BATHROOM EXHAUST AIR TERMINAL FOR ALL RESIDENTIAL UNITS. PREP FOR REPLACEMENT.
16. DEMO EXISTING SUPPLY AND RETURN AIR TERMINALS WITHIN COMMUNITY ROOM AND PUBLIC RESTROOMS. PREP FOR REPLACEMENT.
17. EXISTING BATHROOM EXHAUST DUCTWORK RISERS AND ROOF EXHAUST FANS TO REMAIN.
18. EXISTING LOUVER TO REMAIN. CLEAN DEBRIS AND PREP FOR CONNECTING TO NEW DUCTWORK. DEMO EXISTING MOTORIZED DAMPER AND ACTUATOR.
19. EXISTING RESIDENT FLOOR VENTILATION DUCT RISER AND ASSOCIATED AIR TERMINALS TO REMAIN.
20. DEMO EXISTING PTAC UNIT. EXISTING POWER OULET, SLEEVE AND EXTERIOR CAGE TO REMAIN. PREP FOR INSTALLATION OF NEW PTAC UNIT AT THE SAME LOCATION.

NOT FOR CONSTRUCTION

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DESIGN BY	RTS
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CHECK BY	STL
DATE	07/18/25
SCALE	AS NOTED

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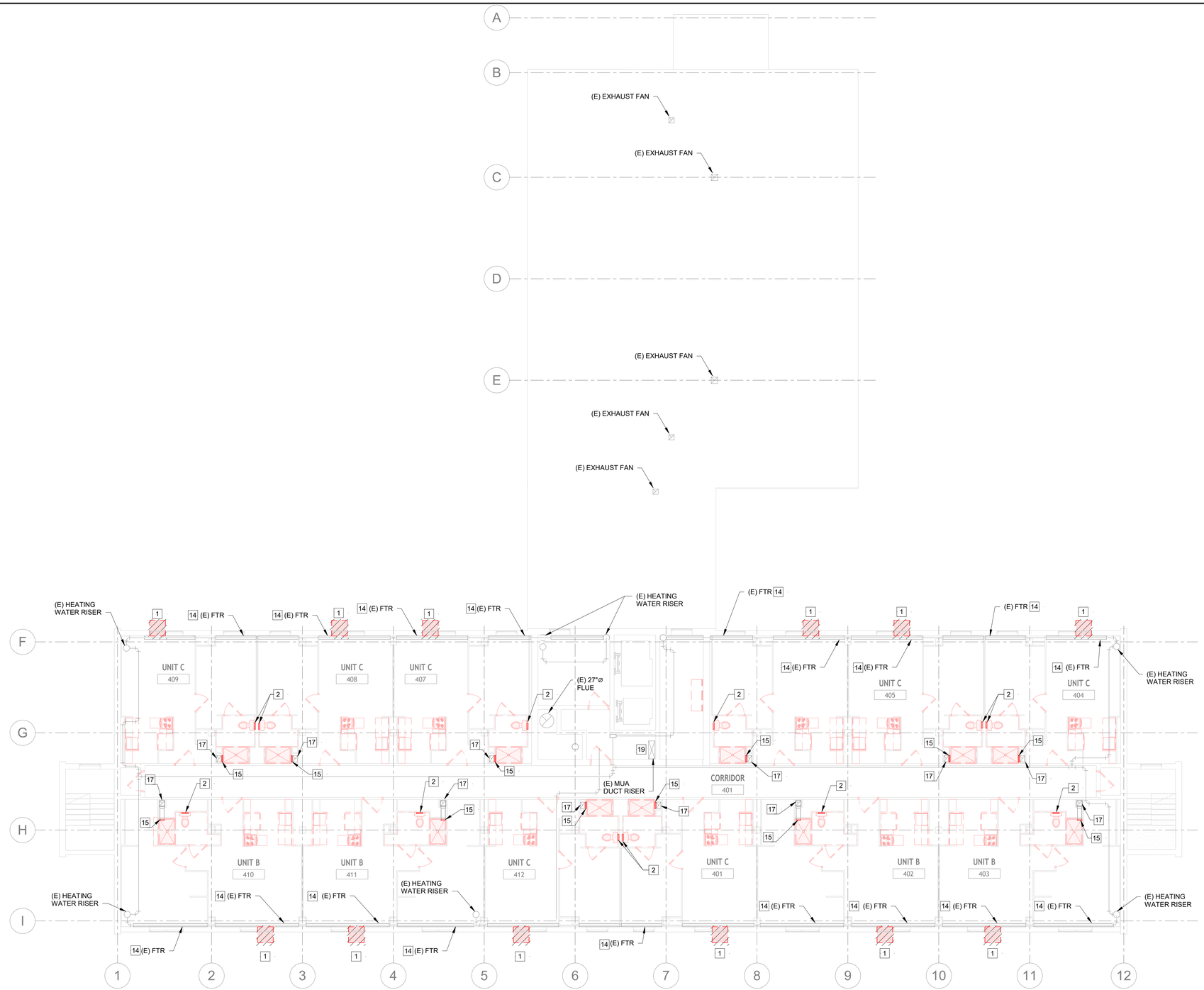
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
OVERALL 2ND AND 3RD LEVELS HVAC DEMOLITION PLAN

DRAWING NUMBER: **MD1003**

REV: **0**

7/17/2025 11:56:13 AM



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OVERALL 4TH - 9TH LEVELS DEMOLITION HVAC PLAN

1

SCALE: 1/8" = 1'-0"

HVAC DEMOLITION KEY NOTES

1. DEMO EXISTING WINDOW AC UNITS AND SLEEVE. POWER OULET AND EXTERIOR CAGE TO REMAIN. PREP FOR INSTALLATION OF NEW AC UNITS AT SAME LOCATION.
2. DEMO EXISTING WALL ELECTRIC HEATER IN RESIDENTIAL UNIT BATHROOM. INFILL OPENING TO MATCH EXISTING WALL. REMOVE POWER BACK TO SOURCE.
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15. DEMO EXISTING 8G BATHROOM EXHAUST AIR TERMINAL FOR ALL RESIDENTIAL UNITS. PREP FOR REPLACEMENT.
16. DEMO EXISTING SUPPLY AND RETURN AIR TERMINALS WITHIN COMMUNITY ROOM AND PUBLIC RESTROOMS. PREP FOR REPLACEMENT.
17. EXISTING BATHROOM EXHAUST DUCTWORK RISERS AND ROOF EXHAUST FANS TO REMAIN.
18. EXISTING LOUVER TO REMAIN. CLEAN DEBRIS AND PREP FOR CONNECTING TO NEW DUCTWORK. DEMO EXISTING MOTORIZED DAMPER AND ACTUATOR.
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REVISIONS

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
OVERALL 4TH - 9TH LEVELS HVAC DEMOLITION PLAN

DRAWING NUMBER: **MD1004**

REV: **0**

7/17/2025 11:56:33 AM

GENERAL NOTES

ELECTRICAL GENERAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY FIELD CONDITIONS THAT COULD ADVERSELY AFFECT THE ELECTRICAL INSTALLATION.
2. CONTRACTOR SHALL COORDINATE THE ELECTRICAL WORK WITH ALL OTHER TRADES WORKING IN THE SAME AREA.
3. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
4. ALL WORK SHALL BE PERFORMED IN A NEAT WORKMANLIKE MANNER AND SHALL COMPLY WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (LATEST EDITION), OWNER'S STANDARD SPECIFICATIONS, AND APPLICABLE LOCAL CODES.
5. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL VERIFY THAT ALL CIRCUIT BREAKERS ARE OPEN AND THAT ALL EQUIPMENT TO BE SERVICED IS DE-ENERGIZED.
6. WHEN TYING INTO EXISTING BUSWAY, THE BUSWAY MUST BE DE-ENERGIZED AND LOCKED OUT PER OWNER'S STANDARDS AND REQUIREMENTS. ALL TIE-INS MUST BE PERFORMED ON WEEKENDS OR NON-PRODUCTION PERIODS AS DIRECTED BY OWNER.
7. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING A COMPLETE, WORKABLE ELECTRICAL SYSTEM.
8. DO NOT INTERRUPT EXISTING OPERATIONS EXCEPT WITH OWNER'S PERMISSION. ARRANGE FOR THE REQUIRED POWER OUTAGES WITH OWNER'S REPRESENTATIVE A MINIMUM OF FIVE WORKING DAYS PRIOR TO THEIR OCCURRENCE. SUCH OUTAGES SHALL BE KEPT TO AN ABSOLUTE MINIMUM.
9. CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ALL DEVIATIONS AND CHANGES FROM THE CONTRACT DOCUMENTS INCLUDING DIMENSIONS, LOCATIONS, ROUTES, PANEL SCHEDULES, AND APPURTENANCES TO REFLECT A COMPLETE RECORD OF THE INSTALLED ELECTRICAL SYSTEMS. TURN OVER TO OWNER AT PROJECT COMPLETION.
10. ALL ELECTRICAL EQUIPMENT AND MATERIAL SUCH AS SWITCHES, FUSES, CONDUIT, WIRE AND CABLE, PULLBOXES, AND ASSOCIATED HARDWARE SHALL BE FURNISHED BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE DRAWINGS. MATERIAL SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE PROTECTED FROM ALL DAMAGE UNTIL FINAL ACCEPTANCE OF THE INSTALLATION.
11. WHERE POWER IS TO BE SUPPLIED FROM AN EXISTING DISTRIBUTION PANELBOARD, AND A NEW CIRCUIT BREAKER IS REQUIRED, THE CONTRACTOR SHALL FURNISH AND INSTALL DEVICES TO MATCH THE MECHANICAL AND ELECTRICAL REQUIREMENTS OF THE EXISTING EQUIPMENT. THE SHORT CIRCUIT INTERRUPTING RATING SHALL NOT BE LESS THAN THE RATING OF THE EXISTING PANELBOARD. CONTRACTOR SHALL PROVIDE UPDATED TYPE-WRITTEN DIRECTORY.
12. ELECTRICAL CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE BEFORE MAKING ANY EQUIPMENT SUBSTITUTIONS. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL CHANGES OF LAYOUT AND DESIGN AS A RESULT OF THE SUBSTITUTIONS.
13. CONTRACTOR SHALL PERFORM ALL CUTTING, PATCHING AND PAINTING NECESSARY FOR THE ELECTRICAL INSTALLATION. ALL CONDUIT OPENINGS THROUGH BUILDING ROOF AND/OR WALLS (EXTERIOR OR INTERIOR) SHALL BE PROPERLY ENCLOSED AND/OR SEALED AS REQUIRED. CUTTING OF A STRUCTURAL MEMBER IS PROHIBITED WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE ARCHITECT.
14. OPENINGS AROUND CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, AND CEILINGS SHALL BE FIRE-STOPPED USING UL OR FM APPROVED MATERIALS TO MAINTAIN THE FIRE RESISTANCE RATING OF THE ROOMS WHERE THE OPENINGS ARE MADE. THE FIRE-STOPPING MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH ITS LABELING OR LISTING REQUIREMENTS.
15. ALL CONDUIT SHALL BE RGS AND SHALL BE UL LISTED. THE MINIMUM SIZE SHALL BE 3/4" TRADE DIAMETER UNLESS OTHERWISE NOTED. CONTRACTOR MAY, AT HIS OPTION, USE EMT WITH COMPRESSION FITTINGS WHERE PERMITTED BY CODE. SET SCREW FITTINGS ARE NOT ACCEPTABLE. TYPE MC CABLE IS NOT ACCEPTABLE.
16. ALL WIRE AND CABLE SHALL BE COPPER 600V TYPE THHN/THWN UNLESS NOTED OTHERWISE. THE MINIMUM SIZE SHALL BE AWG #12 UNLESS NOTED OTHERWISE.
17. ALL ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH WIRE TERMINATIONS RATED FOR A MINIMUM OF 75 DEGREE CELSIUS.
18. CONTRACTOR SHALL WIRE, CONNECT, CHECK AND TEST ALL ELECTRICAL EQUIPMENT AND DEVICES, AS INDICATED IN THE CONTRACT DOCUMENTS.
19. DAMAGED FACTORY FINISHED ELECTRICAL EQUIPMENT SHALL BE 'TOUCHED-UP' WITH FACTORY FURNISHED PAINT. SURFACES OF ELECTRICAL EQUIPMENT SHALL BE CLEANED AND PRIMED BEFORE PAINTING.
20. ALL DAMAGED ELECTRICAL EQUIPMENT SHALL BE REPLACED WITH NEW EQUIPMENT. DAMAGED EQUIPMENT ALSO INCLUDES BENT OR DEFORMED ENCLOSURES.
21. ALL STEEL WORK INSTALLED SHALL HAVE A PRIME COAT AND A FINISH COAT OF PAINT.
22. ALL CONDUIT SHALL BE CONCEALED IN FINISHED AREAS UNLESS OTHERWISE NOTED. EXPOSED CONDUIT SHALL BE USED IN MECHANICAL/ELECTRICAL ROOMS AND OTHER UNFINISHED LOCATIONS.
23. CONTRACTOR SHALL FURNISH AND INSTALL ALL LAMPS.
24. FINAL CONNECTIONS TO ALL LAY-IN FIXTURES AND RECESSED FIXTURES IN LAY-IN CEILINGS ARE TO BE MADE WITH FLEXIBLE METALLIC CONDUIT.
25. CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL LIGHTING FIXTURES AND CEILING MOUNTED DEVICES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS, ELEVATIONS, SECTIONS AND DETAILS. CONTRACTOR SHALL ALSO COORDINATE LOCATIONS OF RECEPTACLES AND OTHER WALL MOUNTED DEVICES WITH THE ARCHITECTURAL WALL ELEVATIONS AND FINISHES.
26. THE ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING CEILING TILES, IF TILES EXIST, TO INSTALL NEW WORK AND REPLACE WITH EXISTING OR NEW CEILING TILES AS REQUIRED FOR THE INSTALLATION OF ALL WORK. THESE AREAS INCLUDE SPACES IN THE NEW WORK AS INDICATED ON THE DRAWINGS AND AREAS NOT SHOWN WHERE THE CONTRACTOR IS REQUIRED TO INSTALL NEW WORK. DAMAGED TILES SHALL BE REPLACED.
27. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND/OR ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LIGHT FIXTURE REQUIRED FOR THE CEILING CONSTRUCTION PRIOR TO ORDERING THE FIXTURES AND PROVIDE FIXTURES THAT ARE COMPATIBLE WITH THE CEILING SYSTEM.
28. WIRING IN PLENUMS SHALL BE PLENUM RATED OR INSTALLED IN CONDUIT.
29. THE ROUTING OF ALL SURFACE MOUNTED/EXPOSED CONDUIT IN UNFINISHED AREAS OR WHERE NOTED ON THE DRAWINGS SHALL BE COORDINATED WITH, AND SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
30. ALL DEVICES, EQUIPMENT, FIXTURES AND THE LIKE MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED.
31. ALL BRANCH CIRCUITS AND FEEDERS SHALL CONTAIN AN INSULATED GROUNDING CONDUCTOR SIZED PER NEC TABLES 250.66, 250.102.C.1, OR 250.122, WHICHEVER IS APPLICABLE, IN ACCORDANCE WITH ELECTRICAL SERVICE AND POWER DISTRIBUTION SPECIFICATIONS. NEUTRAL CONDUCTORS IN RECEPTACLE CIRCUITS SERVING DATA EQUIPMENT LOADS SHALL NOT BE SHARED WITH OTHER CIRCUITS.
32. REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT AND LOCATE DISCONNECT SWITCHES IN ACCORDANCE WITH NEC OR AS SHOWN.
33. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR. EXACT ELECTRICAL REQUIREMENTS SHALL BE VERIFIED IN THE FIELD WITH THE EQUIPMENT'S NAMEPLATE DATA. THE CONTRACTOR SHALL MAKE APPROPRIATE ADJUSTMENTS TO WIRE AND FUSE SIZES IN ACCORDANCE WITH THE NAMEPLATE DATA. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL HVAC EQUIPMENT WIRING REQUIREMENTS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
34. THE ELECTRICAL WIRING, CONNECTION AND PROTECTION REQUIREMENTS FOR OWNER FURNISHED EQUIPMENT SHALL BE VERIFIED IN THE FIELD WITH THE OWNER'S EQUIPMENT SUPPLIER, AND WITH THE NAMEPLATE DATA. CONTRACTOR SHALL FURNISH THE PROPER NEMA RECEPTACLE CONFIGURATIONS, CONNECTIONS, CORDS AND PLUGS, AND CIRCUITS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
35. ALL RECEPTACLES SHOWN BACK-TO-BACK IN WALLS SHALL BE SEPARATED BY 8" MINIMUM.
36. ALL BRANCH CIRCUITS THAT ARE ON SINGLE POLE CIRCUIT BREAKERS SHALL HAVE SEPARATE NEUTRAL CONDUCTORS. NO SHARING OF NEUTRAL CONDUCTORS FOR SINGLE PHASE CIRCUITS.
37. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH NEC ARTICLE 110.16 FOR LABELING OF PANELS FOR ARC FLASH HAZARD WARNING AS WELL AS FOLLOWING REQUIRED SAFETY PRECAUTIONS WHEN SERVICING OR MAINTAINING ELECTRICAL EQUIPMENT FOR ALL NEW PANELS PROVIDED FOR THIS PROJECT.
38. THE DISCONNECTING MEANS FOR ALL MOTORS AND EQUIPMENT SHALL BE INSTALLED IN A "READILY ACCESSIBLE" LOCATION AND SHALL HAVE PROPER WORKING SPACE AS DEFINED IN N.E.C. ARTICLE 100 AND 110.
39. CONTRACTOR SHALL PROVIDE NAME PLATES ON ALL ELECTRICAL EQUIPMENT (PANELBOARDS, SWITCHES, BOXES, TRANSFORMERS, ETC). NAMEPLATES SHALL BE BLACK LETTERING, ON WHITE NAMEPLATE. NAMEPLATES SHALL BE ENGRAVED PHENOLIC TYPE.
40. ALL ELECTRICAL EQUIPMENT BEING PROVIDED FOR THIS PROJECT SHALL BE MANUFACTURER'S HEAVY DUTY TYPE (OR EQUIVALENT) AND SHALL UTILIZE COPPER (ALUMINUM IS NOT ACCEPTABLE) FOR BUSING, WINDINGS, ETC. ENCLOSURES SHALL BE NEMA 1 FOR GENERAL PURPOSE INDOOR APPLICATIONS (NEMA 12 FOR INDUSTRIAL APPLICATIONS) AND NEMA 3R FOR OUTDOOR OR WET/DAMP LOCATIONS UNLESS NOTED OTHERWISE.
41. BRANCH CIRCUIT WIRE SIZES (AND CONDUITS) SHALL BE INCREASED FROM THOSE INDICATED ON THE PLANS TO PREVENT EXCESSIVE VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH WIRES OF SUFFICIENT SIZE SO THAT VOLTAGE DROP BETWEEN THE PANEL AND THE LOADS DOES NOT EXCEED A LIMIT OF 3%.
42. UTILIZATION OF THE PHRASE "PROVIDED BY" WITHIN THE CONTEXT OF THESE DOCUMENTS SHALL EXPLICITLY REPRESENT "FURNISHED AND INSTALLED BY".

GROUNDING NOTES:

1. ALL GROUNDING METHODS AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST NATIONAL ELECTRICAL CODE.
2. GROUND CONNECTIONS TO MOTORS, SWITCHGEAR, CABINETS, CONTROL STATIONS, AND OTHER ELECTRICAL APPARATUS SHALL BE MADE WITH OFFSET BAR LUGS AND BOLTED CONNECTIONS.
3. ALL POWER CIRCUITS IN CONDUIT SHALL CONTAIN A SEPARATE INSULATED STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SIZED AND CONNECTED IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE, #12 AWG MINIMUM.
4. ALL METALLIC EMBEDDED CONDUIT STUB-UPS AND STUB-OUTS SHALL BE FURNISHED WITH GROUNDING BUSHINGS AND BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.
5. ALL EXPOSED NON-CURRENT CARRYING METAL PARTS OF FIXED EQUIPMENT SHALL BE GROUNDED TO THE GROUND BUS UNLESS OTHERWISE PERMITTED BY THE NATIONAL ELECTRICAL CODE.
6. GROUNDED SEPARATELY DERIVED SYSTEMS SHALL BE PROVIDED WITH A GROUNDING ELECTRODE CONDUCTOR (GEC) FROM THE NEUTRAL CONDUCTOR TO THE NEAREST GROUNDING ELECTRODE (COLUMN OR GROUND BAR), UNLESS NOTED OTHERWISE. THESE SYSTEMS SHALL ALSO CONTAIN A BONDING JUMPER INSTALLED BETWEEN THE GROUND CONDUCTOR AND THE NEUTRAL CONDUCTOR. THE GEC AND BONDING JUMPER SHALL BE SIZED PER NEC.

CABLE TRAY NOTES:

1. CABLE TRAYS SHALL BE INSTALLED AS A COMPLETE SYSTEM. THE ELECTRICAL CONTINUITY AND SUPPORT FOR THE CABLES SHALL BE MAINTAINED THROUGHOUT ANY DISCONTINUOUS SEGMENTS BETWEEN TRAY RUNS OR BETWEEN TRAY AND EQUIPMENT.
2. MAXIMUM SUPPORT SPACING SHALL BE 12'-0" ON HORIZONTAL RUNS, AND 6'-0" ON VERTICAL RUNS. HORIZONTAL 90° BENDS SHALL BE SUPPORTED AT THE 45° POINT OF THE BEND. HORIZONTAL TEES SHALL BE SUPPORTED AT EACH OF THE THREE SEGMENTS.
3. CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF EQUIPMENT, TRAY TERMINATION POINTS, STRUCTURAL FEATURES, ELEVATIONS, OBSTRUCTIONS AND SHALL REVIEW BUILDING VENDOR DRAWINGS, IN ORDER TO DETERMINE THE EXACT TYPE AND QUANTITY OF SUPPORTS REQUIRED FOR THE TRAY RUN.
4. OPENINGS AROUND TRAY PENETRATIONS THROUGH FIRE-RESISTANCE RATED WALLS, FLOORS, AND CEILINGS SHALL BE FIRE-STOPPED USING UL OR FM APPROVED MATERIALS TO MAINTAIN THE FIRE RESISTANCE RATING OF THE ROOMS WHERE THE OPENINGS ARE MADE. THE FIRE-STOPPING MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH ITS LABELING OR LISTING REQUIREMENTS.
5. ALL CABLE TRAYS SUBJECT TO VIBRATION OR LOCATED AT STRUCTURAL EXPANSION JOINTS SHALL HAVE A GAP OF APPROXIMATELY 3" BETWEEN SECTIONS AT THE EXPANSION JOINT OR SHALL HAVE AN EXPANSION CONNECTOR INSTALLED WITH ADDITIONAL TRAY SUPPORTS USED AS NECESSARY. WHERE LENGTH OF CONTINUOUS TRAY RUN EXCEEDS 150'-0", THE CONTRACTOR SHALL PROVIDE EXPANSION CONNECTORS.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY UPON RECEIPT THAT THE CABLE TRAY, FITTINGS, AND HARDWARE ARE IN COMPLETE COMPLIANCE WITH THE PROJECT TRAY SPECIFICATIONS.
7. BOLTED JOINTS BETWEEN TRAY SECTIONS SHALL BE MADE UP TIGHT AND RIGID, USING A FULL COMPLEMENT OF SPLICE PLATES, BOLTS, WASHERS, AND LOCKING DEVICES, AS CALLED FOR BY THE MANUFACTURER'S DESIGN.
8. THE VERTICAL DISTANCE BETWEEN TRAYS ROUTED HORIZONTALLY SHALL BE MAINTAINED WHENEVER THE TRAYS CHANGE ELEVATION UNLESS NOTED OTHERWISE.
9. TRAYS SHALL BE KEPT A REASONABLE DISTANCE FROM HEAT SOURCES SUCH AS STEAM PIPING, STEAM GENERATORS, BOILERS, HIGH AND LOW PRESSURE HEATERS, FURNACES, HEAT GENERATING PROCESS EQUIPMENT AND ANY OTHER ACTUAL OR POTENTIAL HEAT SOURCE. GENERALLY, IT IS RECOMMENDED THAT TRAYS BE NO CLOSER THAN 12" ABOVE THE TOP OF INSULATION ON HOT PIPES FROM 150°F TO 250°F AND 18" ABOVE THE TOP OF INSULATION ON HOT PIPES FROM 250°F TO 500°F WHERE THE TRAYS ARE CROSSING PERPENDICULAR TO THE PIPES. WHEN RUNNING PARALLEL ABOVE PIPES, THESE DISTANCES SHOULD BE INCREASED BY 6". ALL CASES OF HEAT SOURCE CROSSINGS SHOULD BE CAREFULLY EVALUATED AND SUPPLEMENTAL HEAT SHIELDING USED IF NECESSARY.
10. TRAYS SHALL BE INSPECTED FOR BURRS, SHARP EDGES, OR OTHER DEFECTS, AND SUCH DEFECTS CORRECTED BEFORE CABLE INSTALLATION.
11. CABLE TRAYS CARRYING CONDUCTORS RATED HIGHER THAN 600V SHALL HAVE A PERMANENT WARNING NOTICE STATING "DANGER - HIGH VOLTAGE - KEEP AWAY" PER NEC 392.18H.

EXPOSED CONDUIT NOTES:

1. ALL EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL AND SHALL BE UL LISTED. THE MINIMUM SIZE SHALL BE 3/4" TRADE DIAMETER UNLESS OTHERWISE NOTED.
2. ALL EXPOSED CONDUIT ROUTES ARE SHOWN DIAGRAMMATICALLY. FINAL ROUTING SHALL BE DETERMINED IN THE FIELD. CONTRACTOR SHALL VERIFY LOCATIONS OF EQUIPMENT, CONDUIT TERMINATION POINTS, STRUCTURAL FEATURES, ELEVATIONS AND OBSTRUCTIONS IN ORDER TO DETERMINE THE EXACT LENGTH OF CONDUIT, TYPE AND QUANTITY OF FITTINGS REQUIRED FOR THE CONDUIT RUN. CONDUIT SHALL BE PARALLEL AND PERPENDICULAR TO FLOOR AND WALLS.
3. CONDUIT, BOXES, CABINETS, AND FITTINGS SHALL BE SECURELY FASTENED IN PLACE. ALL CONDUIT SUPPORTS, BOLTS, STRAPS, MOUNTING SCREWS, ETC. FOR OUTDOOR INSTALLATION SHALL BE SUITABLE FOR WET LOCATIONS.

CONCEALED CONDUIT NOTES:

1. MINIMUM SIZE SHALL BE 3/4" TRADE DIAMETER UNLESS OTHERWISE NOTED.
2. EMT CONDUIT SHALL BE ALLOWED WITH COMPRESSION FITTINGS IN FINISHED AREAS ONLY.
3. CONCEALED CONDUIT BOXES, CABINETS AND FITTINGS SHALL BE SECURELY FASTENED IN PLACE.

LIGHTING/RECEPTACLE NOTES:

1. LIGHTING FIXTURES TO BE SPACED EQUAL DISTANCE APART UNLESS OTHERWISE NOTED.
2. ALL LIGHT SWITCHES SHALL BE LOCATED 48" ABOVE THE FLOOR UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL FURNISH ALL LAMPS UNLESS OTHERWISE NOTED.
4. ALL RECEPTACLES SHALL BE MOUNTED 18" ABOVE THE FLOOR UNLESS OTHERWISE NOTED.
5. ALL ILLUMINATED EXIT SIGNS SHALL BE CONNECTED AHEAD OF SWITCHING UNLESS NOTED OTHERWISE.
6. ALL NIGHT LIGHTS (NL) & EMERGENCY LIGHTS SHALL BE WIRED AHEAD OF LOCAL SWITCHING.
7. VERIFY WITH OWNER THE FINAL LOCATION OF ALL RECEPTACLES & VOICE/DATA OUTLET LOCATIONS PRIOR TO ROUGHING IN.
8. LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF SUSPENDED CEILINGS OR THE SUSPENDED CEILING SHALL BE SUPPORTED WITHIN (6) INCHES OF EACH CORNER OF LIGHT FIXTURE IN ACCORDANCE WITH ASTM C636-08.

TELEPHONE/DATA SYSTEM SCOPE CLARIFICATION NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT, JUNCTION BOXES, BACKBOXES, AND RELATED HARDWARE REQUIRED FOR A ROUGH-IN, AND CONDUIT PATHWAYS FOR TECHNOLOGY (TELEPHONE/DATA OUTLETS) AND SECURITY/ACCESS CONTROL SYSTEMS.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE BLANK FACEPLATES FOR ALL ROUGH-INS INDICATED AS BEING EITHER ROUGH-IN ONLY, OR FOR FUTURE USE.
3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT SLEEVES. CONDUIT SLEEVES SHALL BE AS INDICATED ON THE DRAWINGS, AND/OR REQUIRED BY THE SPECIFICATIONS. CONDUIT SLEEVES SHALL BE PROVIDED FOR EACH ROOM CONTAINING ANY END DEVICES, SUCH AS VOICE/DATA FACEPLATES, INTERCOMS OR CAMERA/ACCESS CONTROL DEVICES BEING ROUTED BACK TO THE COMMUNICATION BACKBOARD. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE DEVICE BOX LOCATIONS WITH OWNER'S VENDORS.
4. THE OWNER SHALL PROVIDE CABLING, CONNECTORS, AND OTHER EQUIPMENT REQUIRED TO COMPLETE THE INSTALLATION OF THE SYSTEMS NOTED ABOVE.

SITE ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL BACKFILL ALL ELECTRICAL TRENCHES, USING CLEAN FILL MATERIAL, FREE OF ORGANIC CONTAMINATIONS AND OTHER MATTER. PLACE BACKFILL MATERIAL IN 8" THICK LAYERS WITH EACH LIFT COMPACTED AT NEAR OPTIMUM MOISTURE CONTENT. COMPACT LIFTS TO ACHIEVE A MINIMUM IN PLACE DENSITY OF 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D696.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF EASEMENTS, EXISTING UNDERGROUND UTILITIES AND DRAINAGE, PRIOR TO TRENCHING OR AUGERING.
3. SEE CIVIL DRAWINGS FOR ALL EXISTING AND NEW SITE UTILITIES AND POLE LOCATIONS.

SINGLE LINE DIAGRAM NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL POWER COMPANY REQUIREMENTS PRIOR TO BIDDING & INCLUDE THE COST OF ALL ASSOCIATED LABOR, MATERIALS, & CHARGES IN HIS BID.
2. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE AVAILABLE FAULT CURRENT WITH THE UTILITY COMPANY PRIOR TO INSTALLATION AND PROVIDE EQUIPMENT RATED ACCORDINGLY.
3. ALL BUSSING SHALL BE COPPER.
4. PROVIDE FULL LENGTH VERTICAL BUSSING IN ALL SWITCHBOARDS, DISTRIBUTION PANELS, & PANELBOARDS.
5. PROVIDE FULL SIZE HORIZONTAL BUSSING IN ALL SWITCHBOARDS.
6. ALL FLOOR-MOUNTED EQUIPMENT SHALL BE MOUNTED ON 4" HIGH CONCRETE HOUSEKEEPING PADS.
7. PROVIDE ENGRAVED PHENOLIC NAMEPLATES ON ALL ELECTRICAL EQUIPMENT.
8. COORDINATE SPACE WITH ALL OTHER TRADES TO MAINTAIN ALL CODE-REQUIRED CLEARANCES.
9. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
10. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL SETTINGS REQUIRED FOR ALL ADJUSTABLE/ELECTRONIC TYPE CIRCUIT BREAKERS WITH LONGTIME, SHORT-TIME, GF, INSTANTANEOUS, ETC. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL COORDINATION STUDY.
11. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH NEC ARTICLE 110.16 FOR LABELING OF PANELS FOR ARC FLASH HAZARD WARNING AS WELL AS FOLLOWING REQUIRED SAFETY PRECAUTIONS WHEN SERVICING OR MAINTAINING ELECTRICAL EQUIPMENT.
12. MINIMUM AIC RATING FOR 480/277V, 3ϕ, 4W, SHALL BE 20K AIC.
13. MINIMUM AIC RATING FOR 120/208V, 3ϕ, 4W PANELS, SHALL BE 12K AIC.

DEMOLITION NOTES:

1. ALL EXISTING LIGHT FIXTURES IN PROJECT AREA ARE TO BE DISCONNECTED AND REMOVED UNLESS OTHERWISE NOTED.
2. ALL EXISTING RECEPTACLES IN PROJECT AREA ARE TO BE DISCONNECTED AND REMOVED UNLESS OTHERWISE NOTED.
3. ALL ELECTRICAL, TELEPHONE AND DATA DEVICES IN THE SPACE SHALL BE REMOVED UNLESS SPECIFICALLY NOTED OTHERWISE. VERIFY WITH THE OWNER PRIOR TO REMOVAL.
4. FOR WALLS BEING REMOVED (SEE ARCH DRAWINGS) REMOVE ALL ELECTRICAL DEVICES, TELEPHONE AND DATA WIRING DEVICES AND EQUIPMENT.
5. THE DRAWINGS ARE TO BE USED ONLY AS A GUIDELINE FOR DEMOLITION. THE ELECTRICAL CONTRACTOR MUST VISIT THE SITE PRIOR TO BIDDING TO VERIFY ALL WORK REQUIRED FOR A COMPLETE JOB AND INCLUDE THE COST OF SUCH WORK IN HIS BID.
6. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN EXISTING SERVICES TO AND IN THE EXISTING AREA AS REQUIRED.
7. IF NECESSARY, THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES IN THE EXISTING AREAS.
8. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REMOVED COMPLETELY INCLUDING CONDUIT AND WIRE BACK TO PANEL OR FIRST DEVICE THAT REMAINS.
9. FLUSH MOUNTED DEVICE BOXES WHERE NOTED TO BE REUSED SHALL HAVE ALL DEVICES AND WIRING REMOVED.
10. ANY EXISTING CONDUIT, WIRING AND/OR ELECTRICAL DEVICES BEING DISTURBED BY THE WORK SHALL BE REMOVED BY THIS CONTRACTOR OR REPLACED AS REQUIRED TO RETURN TO ITS FORMER EXISTING OPERATING CONDITION.
11. ANY CIRCUITS FEEDING THROUGH WALLS, DEVICES OR EQUIPMENT BEING RELOCATED, REWORKED, REMOVED OR ABANDONED AND SERVING OTHER ELECTRICAL DEVICES AND/OR EQUIPMENT SHALL BE MAINTAINED BY PROVIDING J-BOXES OR OTHER ACCEPTABLE METHOD AS REQUIRED.
12. EXISTING MATERIALS SHALL BE TURNED OVER TO THE OWNER. IF NOT REQUIRED BY OWNER, THE ELECTRICAL CONTRACTOR SHALL DISPOSE OF THESE MATERIALS AS DIRECTED BY THE OWNER.
13. SEE MECHANICAL DEMOLITION DRAWINGS FOR HVAC EQUIPMENT BEING REMOVED. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, CONDUIT, AND WIRING.
14. HATCHING INDICATES ELECTRICAL DEVICES, CONDUIT OR WIRING TO BE DISCONNECTED AND REMOVED.
15. PRIOR TO SHUTDOWN AND REMOVAL, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE THE DISCONNECTING, AND LATER RECONNECTING OF ALL ELECTRICAL EQUIPMENT, WHICH IS TO BE RELOCATED AND REUSED.
16. PRIOR TO SHUTDOWN AND REMOVAL, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE THE DISCONNECTING, REMOVAL AND RETURN TO THE OWNER'S REPRESENTATIVE ALL ELECTRICAL EQUIPMENT WHICH IS NO LONGER IN SERVICE.
17. ALL ELECTRICAL EQUIPMENT WHICH IS REMOVED AND WILL BE REUSED SHALL BE RETAINED BY THE ELECTRICAL CONTRACTOR UNTIL IT IS REINSTALLED.
18. ALL ELECTRICAL EQUIPMENT WHICH IS REMOVED AND WILL NOT BE REUSED BUT IS IN REUSABLE CONDITION SHALL BE TURNED OVER TO THE OWNER'S REPRESENTATIVE.
19. ALL USED ELECTRICAL EQUIPMENT, SWITCHES, CONDUIT, CONDUIT FITTINGS, CONDUCTORS, WHICH HAVE BEEN DEEMED SCRAP BY THE OWNER'S REPRESENTATIVE SHALL BE REMOVED FROM THE PROPERTY AND PROPERLY DISPOSED OF BY THE CONTRACTOR.

NOT FOR CONSTRUCTION

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CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
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DRAWING TITLE: GENERAL NOTES

DRAWING NUMBER: **E0001**

REV: **0**

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SINGLE LINE/SCHEMATICS LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CIRCUIT BREAKER LOW VOLTAGE, PULL-OUT		DISCONNECT SWITCH
	CIRCUIT BREAKER LOW VOLTAGE		FUSED DISCONNECT SWITCH
	CIRCUIT BREAKER MEDIUM VOLTAGE		FUSE
	CIRCUIT BREAKER CONTACTOR & THERMAL O.L		CONTINUATION
	MOTOR STARTER/DISCONNECT WITH THERMAL OVERLOADS		GROUND
XXX	CABLE/CONDUIT TAG		LIGHTS
	TRANSFORMER		TERMINATION
	DELTA/WYE/WYE GROUNDED CONNECTION	UTILITY	UTILITY TAKEOVER POINT
	TRANSFER SWITCH		CONTACT
			CAPACITOR
	SURGE ARRESTORS		CAPACITIVE VOLTAGE INDICATOR
	CONTROL POWER TRANSFORMER		GROUNDING DISCONNECT SWITCH
M	RELAY		CURRENT TRANSFORMER
LABEL	EQUIPMENT LOAD	LABEL	MOTOR
M	METER		VARIABLE FREQUENCY DRIVE
	CONTACTOR - N.C.		CONTACTOR - N.O.
	MAGNETIC O.L		PUSHBUTTON - N.O.
	HEATER		PUSHBUTTON - N.V.
	START/STOP		THERMAL O.L
R	PUSH-TO-TEST LIGHT		3-POLE SWITCH

SWITCHBOARDS/DISTRIBUTION PANELS

PANEL NAME
400A / 480V 3PH.V / 3PH. / 3W
60Hz / 400KAIC / MLO

BRANCH/DISTRIBUTION PANELS

EMERGENCY GENERATOR

GEN NAME
200KW / 208V

LINE TYPES

- DEMO
- EXISTING
- NEW

KEYNOTE SYMBOL

XX TYP	KEYNOTE SYMBOL TO REFERENCE KEYNOTE LEGEND ON EACH SHEET.

GROUNDING/LIGHTNING LEGEND

SYMBOL	DESCRIPTION
	BUILDING STEEL GROUNDING
	CONCRETE-ENCASED ELECTRODE
	GROUND BUS COLUMN/WALL MOUNTED
	GROUNDING ELECTRODE CONDUCTOR ROD
	EQUIPMENT REQUIRING A GROUND LUG
	FENCE GROUNDING
	GROUND INSPECTION TEST WELL
	GROUND PLATE
	RAIL GROUNDING
	GROUND PIGTAIL COIL 5'-0" OF #4/0 BARE COPPER GROUND
	GROUND WIRE TEE/SPLICE
	GROUNDING TRI-ROD
	WATER PIPE GROUNDING ELECTRODE
	EXPOSED GROUND CABLE, NEW #4/0 BARE STRANDED COPPER
	EMBEDDED GROUND CABLE, NEW #4/0 BARE STRANDED COPPER

LIGHTING DEVICE LEGEND

SYMBOL	DESCRIPTION
OS	CEILING MOUNT OCCUPANCY SENSOR, LINE VOLTAGE, WITH DIMMING AND EXTERNAL FAULT PROTECTION. ACUITY BRANDS MODEL #CMR9D IN OFFICES, #CMR10D IN ALL OTHER SPACES
PC	CEILING MOUNTED PHOTO CELL
LR	LIGHTING RELAY POWER PACK

XX
$
	LIGHT SWITCH
	SPECIAL NOTE "XX" (WHEN USED)
	3 = 3-WAY SWITCH
	R = NIGHT-LIGHT WITH PUSHBUTTON
	D = DIMMING SWITCH WITH OVERIDE CONTROL. ACUITY BRANDS MODEL #SPODMRD
	D/2 = DIMMING 2-POLE
	D/4 = DIMMING 4-POLE
	D/OC = DIMMING/OCCUPANCY SENSING WITH OVERIDE CONTROL. ACUITY BRANDS MODEL #WSXA
	OC = OCCUPANCY SENSING WITH OVERIDE. ACUITY BRANDS MODEL #WSX
	D/2F = DIMMING/OCCUPANCY SENSING/2-POLE

ELECTRICAL FIXTURE LEGEND

RECEPTACLE TYPE		RECEPTACLE MOUNTING	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
XX	SINGLE RECEPTACLE	XX	FLOOR
XX	DUPLEX RECEPTACLE	XX	CEILING
XX	QUADPLEX OR DOUBLE DUPLEX	XX	WALL
XX	SPECIALTY RECEPTACLE		
	GENERAL USE POWER TAP		
	MOTOR		
CR	CORD REEL		

- SPECIAL NOTE "XX" (WHEN USED)
  CT = COUNTERTOP, 6" AFC
  DW = DISHWASHER
  GD = GARBAGE DISPOSAL
  GFCI = GROUND FAULT CIRCUIT INTERRUPTOR
  MW = MICROWAVE
  RNG = RANGE (ELECTRIC)
  RH = RANGE HOOD
  RF = REFRIGERATOR
  VM = VENDING MACHINE
  WP = WEATHER PROOF
  TR = TAMPER RESISTANT

ELECTRICAL EQUIPMENT LEGEND

SYMBOL	DESCRIPTION
	DISCONNECT SWITCH. SEE PLANS FOR TYPE AND RATING ELECTRICAL EQUIPMENT CLEARANCE ZONE
	TRANSFORMER. SEE PLANS FOR TYPE AND RATING CLEARANCE ZONE
	ELECTRICAL EQUIPMENT CLEARANCE ZONE

DATA DEVICE LEGEND

SYMBOL	DESCRIPTION
	COAX RECEPTACLE
	ETHERNET (CAT6) RECEPTACLE
	PHONE RECEPTACLE
	PHONE AND ETHERNET (CAT6) RECEPTACLE

SECURITY DEVICE LEGEND

SYMBOL	DESCRIPTION
XX	SECURITY DEVICE NOTE "XX" SIGNIFIES DEVICE TYPE ACP = ACCESS CONTROL PANEL CR = CARD READER PB = PUSHBUTTON

LIGHT FIXTURE LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	2' x 4' SUSPENDED FIXTURE		1'x4' RECESSED FIXTURE
	1'x'4' OR LINEAR FIXTURE		WALL PACK FIXTURE
	2'x2' SUSPENDED FIXTURE		RECESSED CAN LIGHT OR PENDANT LIGHT
	2'x4' RECESSED FIXTURE		LIGHT POLE MULTIPLE FIXURES DEPICT MULTIPLE LIGHTS ON POLE
	2'x2' RECESSED FIXTURE		EXIT SIGN & EMERGENCY WALLPACK SHADED PORTION REPRESENTS PRINTED SIDE OF SIGN ARROW DEPICTS DIRECTION OF SIGN

- SHADED SYMBOL DEPICTS EMERGENCY FIXTURE
- ALL FIXTURES ASSIGNED A FIXTURE TYPE
  1. CAPITAL LETTER DESIGNATES A TYPE OF FIXTURE
  2. NUMBER DENOTES FIXTURE SPECIFICATION
  3. "E" CLASSIFIES EMERGENCY FIXTURES
  4. SEE SCHEDULE BELOW
- ALL MODELS OF FIXTURES MAY BE REPLACED WITH AN APPROVED EQUAL

LIGHT FIXTURE SCHEDULE

TYPE	VOLTAGE	LOAD	LAMP	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL	COMMENTS
A20	120 V	49 VA	LED	2x4 LAY-IN, 6000 LUMENS, 3500K. SWITCHABLE LUMENS AND CCT	RECESSED	LITHONIA	STAKS 2X4 ALO6 SWW7	
A20E	120 V	49 VA	LED	2x4 LAY-IN, 6000 LUMENS, 3500K. SWITCHABLE LUMENS AND CCT. PROVIDED WITH EM BATTERY	RECESSED	LITHONIA	STAKS-2X4 ALO6-SWW7 IE10WCP	WIRE FIXTURE DRIVER TO SWITCHED CIRCUIT AND EMERGENCY BATTERY TO UNSWITCHED CIRCUIT
J10	120 V	35 VA	LED	6" RETROFIT DOWNLIGHT, 3000 LUMENS, 3500K, DIMMABLE	RECESSED	LITHONIA	LDN6RV 35/30 LR6WR LSS MVOLT GZ10	
J11	120 V	25 VA	LED	6" RECESSED SHOWER DOWNLIGHT, 2500 LUMENS, 3500K	RECESSED	GOTHAM	EV06SH 35/25 DFF SOL MVOLT EZ1	
J20	120 V	40 VA	LED	17" CEILING MOUNT FIXTURE, 3688 LUMENS, 3000K, DIMMABLE	SURFACE	LUMINAIRE LED	ARV17 MIN10 40W 30K MVOLT OP WHT	
L10	120 V	7 VA	LED	14" UNDERCABINET LIGHT, 540 LUMENS, 3500K, SWITCHABLE CCT	SURFACE	LITHONIA	UPLD 14IN SWW4 90CRI WH	
L20	120 V	26 VA	LED	4'-0" LINEAR LED, 4000 LUMENS, 3500K, DIMMABLE	SURFACE	LITHONIA	CLX L48 4000LM SEF FDL MVOLT GZ10 35K 80CRI WH (THCLX)	
L20E	120 V	26 VA	LED	4'-0" LINEAR LED, 4000 LUMENS, 3500K, DIMMABLE. PROVIDED WITH EM BATTERY	SURFACE	LITHONIA	CLX L48 4000LM SEF FDL MVOLT GZ10 35K 80CRI WH E10W (THCLX)	
L21	120 V	24 VA	LED	4'-0" LOW PROFILE, 4000 LUMENS, 3500K, DIMMABLE	PENDANT	LITHONIA	FEM-L48-LPAFL-MD-MVOLT-GZ10-35K-80CRI-MHCH36	
L21E	120 V	24 VA	LED	4'-0" LOW PROFILE, 4000 LUMENS, 3500K, DIMMABLE. PROVIDED WITH EM BATTERY	PENDANT	LITHONIA	FEM-L48-LPAFL-MD-MVOLT-GZ10-35K-80CRI-E10WMCP-MHCH36	WIRE FIXTURE DRIVER TO SWITCHED CIRCUIT AND EMERGENCY BATTERY TO UNSWITCHED CIRCUIT
L22	120 V	24 VA	LED	4'-0" LINEAR LED, 4000 LUMENS, 3500K, DIMMABLE	SURFACE	LITHONIA	FEM L48 4000LM LPAFL MD MVOLT GZ10 35K 80CRI FEMSMB	
L22E	120 V	24 VA	LED	4'-0" LINEAR LED, 4000 LUMENS, 3500K, DIMMABLE. PROVIDED WITH EM BATTERY	SURFACE	LITHONIA	FEM L48 4000LM LPAFL MD MVOLT GZ10 35K 80CRI E10WMCP FEMSMB	WIRE FIXTURE DRIVER TO SWITCHED CIRCUIT AND EMERGENCY BATTERY TO UNSWITCHED CIRCUIT
L23E	120 V	25 VA	LED	4'-0" LOW PROFILE WRAPAROUND, WALL MOUNT, 3000 LUMENS, 3500K, DIMMABLE. PROVIDED WITH EM BATTERY	SURFACE	LITHONIA	BLWP4-30L-ADP-GZ10-LP835-EL14L	
L24	120 V	29 VA	LED	1x4 SURFACE MOUNT, 3000 LUMENS, 3500K. DIMMABLE	SURFACE	LITHONIA	BLTX4 30L ADP GZ10 LP835	
Q10	120 V	25 VA	A19 BULB	PORCELAIN LAMPHOLDER, A19 25W LED BULB	SURFACE	LEVITON	49875	
Q20	120 V	18 VA	A19 BULB	12" 2-LIGHT FLUSH MOUNT FIXTURE, WHITE FINISH, A19 9.3W 3000K LED BULBS	SURFACE	GENERATION LIGHTING	77064EN3-15	
V		147 VA	LED	13" POLE LIGHT, 15700 LUMENS, 3000K, WIDE BEAM, 120-277V, PHOTOCONTROL	POLE	LITHONIA	RSX2-P2-30K-R5-MVOLT-IS-PE-EGS	POLE MOUNTED, DUAL HEAD. CONTRACTOR TO FIELD VERIFY FINISH TO MATCH POLE, INCLUDE DDBXD FOR DARK BONZE OR DBLXD FOR BLACK.
W10	120 V	60 VA	LED	20" 3-LIGHT BATH VANITY, A19 20W LED BULBS, 3500K	SURFACE	GENERATION LIGHTING	41162-962	
W20	120 V	23 VA	LED	EXTERIOR WALL PACK, 3100 LUMENS, 3000K, BUILT-IN PHOTOCELL. PROVIDED WITH EM BATTERY	SURFACE	LITHONIA	WDGE2 LED P3 30K 80CRI VW MVOLT SRM E10WH PE DDBXD	
W21	120 V	72 VA	LED	EXTERIOR SIGN FLOOD LIGHT, 7300 LUMENS, 3000K, BUILT-IN PHOTOCELL	GROUND	LITHONIA	DSXF1 LED P1 30K FL MVOLT IS PE FV DDBXD	GROUND MOUNTED. POINTED DIRECTED AT SIGN AND FULLY SHIELDED AS SPECIFIED.
W22	120 V	75 VA	LED	EXTERIOR BUILDING FLOOD LIGHT PACK, 10200 LUMENS, 3000K, BUILT-IN PHOTOCELL	SURFACE	LITHONIA	DSXF2 LED P2 30K 70CRI FL MVOLT PE FV DDBXD	FIXTURE SHALL BE POINTED DOWNWARD AND FULLY SHIELDED AS SPECIFIED.
W30	120 V	3 VA	LED	EMERGENCY WALLPACK WITH DUAL HEADS, LITHIUM BATTERY, NEMA 4X HOUSING	8'-0" AFF	LITHONIA	ELM4L BAA	WIRE AHEAD OF LOCAL SWITCHING
X10	120 V	3 VA	LED	EMERGENCY EXIT SIGN, HIGH-OUTPUT NI-CAD BATTERY, SELF DIAGNOSTICS, ARROWS AS INDICATED	8'-0" AFF	ACUITY	LQM-S-W-3-R-120/277V-EL-N-SD	WIRE AHEAD OF LOCAL SWITCHING

ABBREVIATIONS LEGEND

ABBREVIATIONS		ABBREVIATIONS	
(TYP)	TYPICAL	IMC	INTERMEDIATE METAL CONDUIT
A	AMPERE	INCAND	INCANDESCENT
AC	ALTERNATING CURRENT	JB	JUNCTION BOX
AF	AMP FUSED	KCMIL	ONE THOUSAND CIRCULAR MILS
AFC	ABOVE FINISHED COUNTER	KEC	KITCHEN EQUIPMENT CONTRACTOR
AFF	ABOVE FINISHED FLOOR	KV	KILOVOLTS
AFG	ABOVE FINISHED GRADE	KVA	KILOVOLT AMPERES
AHU	AIR HANDLING UNIT	KVAR	KILOVOLT AMPERES REACTIVE
AIC	ASYMMETRICAL INTERRUPTING CURRENT	KW	KILOWATTS
ANN	ANNUNCIATOR	KWC	KILOWATTS CONNECTED
ARCH	ARCHITECTURAL	KWD	KILOWATTS DEMAND
AS	AMP SWITCH	LC	LOAD CENTER
ATS	AUTOMATIC TRANSFER SWITCH	LP	LIGHTING PANEL
AWG	AMERICAN WIRE GAUGE	LTG	LIGHTING
BC	BELOW COUNTER	MAU	MAKE UP AIR UNIT
BKR	BREAKER	MAX	MAXIMUM
BLDG	BUILDING	MC	MECHANICAL CONTRACTOR
c/c	CENTER TO CENTER	MCA	MINIMUM CIRCUIT AMPACITY
CAP	CAPACITOR	MCB	MAIN CIRCUIT BREAKER
CATV	CABLE TELEVISION	MCC	MOTOR CONTROL CENTER
CB	CIRCUIT BREAKER	MECH	MECHANICAL
CCTV	CLOSED CIRCUIT TELEVISION	MFR	MANUFACTERER
CDT	CONDUIT	MIN	MINIMUM
CH	CHILLER	MLO	MAIN LUGS ONLY
CKT	CIRCUIT	MOCP	MAXIMUM OVERCURRENT PROTECTION
CONTR	CONTRACTOR	MOD	MOTOR OPERATED DAMPER
CU	COPPER	MSB	MAIN SWITCHBOARD
DE	DUAL ELEMENT	MTD	MOUNTED
DISC	DISCONNECT	MTS	MANUAL TRANSFER SWITCH
DIT	DRIVE ISOLATION TRANSFORMER	NEC	NATIONAL ELECTRIC CODE
DN	DOWN	NFDS	NON-FUSED DISCONNECT SWITCH
DP	DISTRIBUTION PANEL	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
DPDT	DOUBLE POLE DOUBLE THROW	NIC	NOT IN CONTRACT
DS	DISCONNECT SWITCH	NL	NIGHT LIGHT
DWG	DRAWING	NTS	NOT TO SCALE
EC	ELECTRICAL CONTRACTOR	P	POLE
EF	EXHAUST FAN	PC	PHOTOCELL
EH	ELECTRICAL HEATER	PB	PULL BOX
ELEC	ELECTRICAL	PC	PLUMBING CONTRACTOR
ELEV	ELEVATOR	PH (Ø)	PHASE
EM	EMERGENCY	PL	PILOT LIGHT
EMT	ELECTRICAL METALLIC TUBING	PLC	PROGRAMMABLE LOGIC CONTROL
ENT	ELECTRICAL NONMETALLIC TUBING	PNL	PANEL
EQ	EQUAL	PVC	POLYVINYL CHLORIDE
EQUIP	EQUIPMENT	REF	RETURN EXHAUST FAN
ETR	EXISTING TO REMAIN	RGS	RIGID GALVANIZED STEEL CONDUIT
EUH	ELECTRICAL UNIT HEATER	RSC	RIGID STEEL CONDUIT
EWC	ELECTRICAL WATER COOLER	RTU	REMOTE TERMINAL UNIT
EWH	ELECTRICAL WATER HEATER	SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
EXIST	EXISTING	SPDT	SINGLE POLE DOUBLE THROW
FA	FIRE ALARM	SPKR	SPEAKER
FAAP	FIRE ALARM ANNUNCIATOR PANEL	SPST	SINGLE POLE SINGLE THROW
FACP	FIRE ALARM CONTROL PANEL	SW	SWITCH
FBO	FURNISHED BY OTHERS	SWBD	SWITCHBOARD
FDS	FUSED DISCONNECT SWITCH	SWD	SWITCHING DUTY RATED BREAKER
FLA	FULL LOAD AMPS	SWGR	SWITCHGEAR
FLEX	FLEXIBLE CONDUIT	TC	TIME CLOCK
FLR	FLOOR	TS	TAMPER SWITCH
FLUOR	FLUORESCENT	TTB	TELEPHONE TERMINAL BOARD
FPB	FAN POWER BOX (VAV)	TV	TELEVISION
FPC	FIRE PROTECTION CONTRACTOR	UH	UNIT HEATER
FS	FLOW SWITCH	UL	UNDERWRITER'S LABORATORY
FT	FOOT/FEET	UNO	UNLESS NOTED OTHERWISE
FU	FUSE	UPS	UNINTERRUPTIBLE POWER SUPPLY
GC	GENERAL CONTRACTOR	UV	UNIT VENTILATOR
GEN	GENERATOR	V	VOLT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	VA	VOLT AMPERES
GFI	GROUND FAULT INTERRUPTER	VAR	VOLT AMPERES REACTIVE
GND	GROUND	VFD	VARIABLE FREQUENCY DRIVE
HAL	HALOGEN	W	WATT
HID	HIGH INTENSITY DISCHARGE	WP	WEATHERPROOF
HOA	HAND/OFF/AUTOMATIC	XFMR	TRANSFORMER
HP	HORSEPOWER		
HPS	HIGH PRESSURE SODIUM		
HVAC	HEATING, VENTILATION, AIR CONDITIONING		
IG	ISOLATED GROUND		

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
XX	FIRE ALARM PANEL OR SWITCH
XX	FIRE ALARM DETECTOR OR MONITOR
HS	FIRE ALARM HORN/STROBE

- NOTE "XX" SIGNIFIES DEVICE TYPE
  FACP = FIRE ALARM CONTROL PANEL
  FAAP = FIRE ALARM ANNUNCIATOR PANEL
  SA = STROBE ALARM
  HA = HORN ALARM
  HS = HORN/STROBE ALARM
  PS = PULL STATION
  TS = TAMPER SWITCH
  FS = FLOW SWITCH
  ND = NITROUS OXIDE DETECTOR
  CD = CARBON MONOXIDE DETECTOR
  DD = DUCT SMOKE DETECTOR
  HD = HEAT DETECTOR
  OD = OPTICAL SMOKE DETECTOR
  GD = GAS DETECTOR
  CSD = COMBO SMOKE/CARBON DETECTOR
  SD = SMOKE DETECTION ALARM IN DWELLING UNITS OR SMOKE DETECTORS IN BUILDING AREAS

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North Olmsted, OH 44070

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CHECK BY	DLW
DATE	07/18/25
SCALE	NONE

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
SYMBOL LEGENDS AND ABBREVIATIONS

DRAWING NUMBER: **E0002**

REV: **0**

7/15/2025 12:18:46 PM

MECH EQUIPMENT SCHEDULE

EQUIPMENT NAME	PANEL	LOAD	VOLTS	POLES	WIRE/CONDUIT SIZE	LOCATION
ACCU-1	SEE NOTES FOR DP-W PANEL SCHEDULE ON SHEET E7003	20175 VA	208 V	3	(3) #3 & (1) #8 GND - 1-1/4" C	COMMUNITY ROOM
ACCU-2	LC-T	2080 VA	208 V	2	(2) #12 & (1) #12 GND - 3/4" C	MANAGER'S OFFICE
ACCU-3	LC-AA	3536 VA	208 V	2	(2) #10 & (1) #10 GND - 3/4" C	FIRE COMMAND CENTER
AHU-1	DP-W	6016 VA	208 V	3	(3) #10 & (1) #10 GND - 3/4" C	AIR CONDITIONER ROOM
B-1	LC "Z"	480 VA	120 V	1	(2) #12 & (1) #12 GND - 3/4" C	MECHANICAL EQUIPMENT ROOM
B-2	LC "Z"	480 VA	120 V	1	(2) #12 & (1) #12 GND - 3/4" C	MECHANICAL EQUIPMENT ROOM
B-3	LC "Z"	480 VA	120 V	1	(2) #12 & (1) #12 GND - 3/4" C	MECHANICAL EQUIPMENT ROOM
EF-1	SEE NOTES FOR LP-Y PANEL SCHEDULE ON SHEET E7003	528 VA	120 V	1	(2) #12 & (1) #12 GND - 3/4" C	GROUND FLOOR RESTROOMS EXTERIOR WALL
EF-2	LC-T	492 VA	120 V	1	(2) #12 & (1) #12 GND - 3/4" C	SERVER CLOSET
GMU-1	LC "Z"	864 VA	120 V	1	(2) #12 & (1) #12 GND - 3/4" C	MECHANICAL EQUIPMENT ROOM
HHWP-1	LC "Z"	2378 VA	208 V	3	(3) #10 & (1) #10 GND - 3/4" C	MECHANICAL EQUIPMENT ROOM
HHWP-2	LC "Z"	2378 VA	208 V	3	(3) #10 & (1) #10 GND - 3/4" C	MECHANICAL EQUIPMENT ROOM
HHWP-3	LC "Z"	2378 VA	208 V	3	(3) #10 & (1) #10 GND - 3/4" C	MECHANICAL EQUIPMENT ROOM
HHWP-4	LC "Z"	11096 VA	208 V	3	(3) #6 & (1) #10 GND - 3/4" C	MECHANICAL EQUIPMENT ROOM
HHWP-5	LC "Z"	11096 VA	208 V	3	(3) #6 & (1) #10 GND - 3/4" C	MECHANICAL EQUIPMENT ROOM
HHWP-6	LC "Z"	1830 VA	208 V	2	(2) #12 & (1) #12 GND - 3/4" C	MECHANICAL EQUIPMENT ROOM
MAU-1	LC "Y"	2378 VA	208 V	3	(2) #12 & (1) #12 GND - 3/4" C	MECHANICAL EQUIPMENT ROOM

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CHECK BY	DLW
DATE	07/18/25
SCALE	NONE

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
EQUIPMENT SCHEDULES

DRAWING NUMBER: **E0003**

REV: **0**

7/15/2025 12:18:46 PM

NOT FOR CONSTRUCTION

KEYNOTES

#	DESCRIPTION
S5	EXISTING POST LAMP. RELAMP WITH LED EQUIVALENT BULB, 3000K. CLEAN EXISTING FIXTURE AND POLE.
S6	EXISTING CANOPY LIGHTING FIXTURES SHALL BE CLEANED AND RELAMPED WITH LED EQUIVALENT BULB, 3000K.
S7	EXISTING HANDHOLE ALONG SIDEWALK.
S8	E.C. TO PROVIDE AND INSTALL NEW HANDHOLE FLUSH WITH FINISHED GRADE. HANDHOLE SHALL MATCH DIMENSIONS AND TYPE OF EXISTING, NEC 70 APPROVED FOR THE INSTALLATION. COVER SHALL BE IMPRINTED WITH THE WORD "ELECTRIC" AND SHALL BE SECURED WITH MINIMUM OF (2) HEX HEAD BOLTS. PROVIDE COUPLING, BUSHING, OR BELL END ON ALL CONDUITS ENTERING OR EXITING THE HANDHOLE. INSTALL 5/8"X8' CU GROUND ROD IN EACH HANDHOLE. BOND EQUIPMENT GROUNDING CONDUCTOR TO GROUND ROD USING EXOTHERMIC WELD. HANDHOLE SHALL BE INSTALLED ON MINIMUM 6" DEEP GRAVEL BASE WITH FRENCH DRAIN.
S9	PROVIDE AND INSTALL NEW POLE LIGHTS ON EXISTING POLE ARMS. RECONNECT TO EXISTING EXTERIOR LIGHTING CIRCUIT.
S10	PROVIDE AND INSTALL NEW POST LAMP TO MATCH EXISTING TYPE ALONG NORTH SIDEWALK. INSTALL LED EQUIVALENT BULB, 3000K. CONNECT NEW LIGHTING TO EXISTING POST LAMPLIGHTING/CONTROL CIRCUIT FEEDING THE AREA.
S11	E.C. TO PROVIDE CONNECTION TO EXISTING POST LAMP LIGHTING CIRCUIT VIA NEW HANDHOLE AND EXTEND TO NEW POST LAMPS AT NORTH WALKWAY. TRENCH 24" BELOW DRIVEWAY, SCHEDULE 40 PVC, CONDUCTORS, BACKFILL AND SITE RESTORATION FOR UNDERGROUND BRANCH CIRCUIT. CONCRETE ENCASE UNDER DRIVEWAY. E.C. TO FIELD COORDINATE WIRE AND CONDUIT SIZE AND ACCOUNT FOR ANY VOLTAGE DROP.
S12	E.C. TO PROVIDE CONNECTION TO EXISTING POST LAMP LIGHTING CIRCUIT VIA NEW HANDHOLE AND EXTEND TO NEW POST LAMP. PROVIDE TRENCH 24" BELOW FINISHED GRADE, SCHEDULE 40 PVC CONDUIT, CONDUCTORS, WARNING TAPE, BACKFILL AND SITE RESTORATION FOR UNDERGROUND BRANCH CIRCUIT.

EXISTING UNDERGROUND SERVICE CONDUCTORS TO UTILITY POLE FROM TRANSFORMER VAULT

N

SITE ELECTRICAL PLAN

SCALE: 1/16" = 1'-0"

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SCALE	NONE

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE: SITE ELECTRICAL PLAN

DRAWING NUMBER: **E0004**

REV: **0**

7/15/2025 12:18:46 PM

NOT FOR CONSTRUCTION

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ELECTRICAL CONTRACTOR SHALL VERIFY QUANTITY OF NEW FIXTURES AND DEVICES BEING REPLACED PRIOR TO INSTALLATION. EXISTING ELECTRICAL PANELBOARDS SHALL BE FIELD VERIFIED FOR QUANTITY AND TYPE OF CIRCUIT BREAKERS INSTALLED TO NEW PANELBOARDS PRIOR TO START OF NEW WORK.
3. USE SHRINK/CRACK-PROOF CAULK TO SEAL GAPS SMALLER THAN 1/4".
4. USE EXPANDING FOAM TO SEAL GAPS LARGER THAN 1/4".
5. SEAL ALL OUTLET AND SWITCH HOUSINGS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE A GASKET AND AIR-TIGHT COVER TO SEAL GAPS.
6. SEAL ALL RECESSED PANELS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE CAULK OR FOAM TO SEAL GAPS.

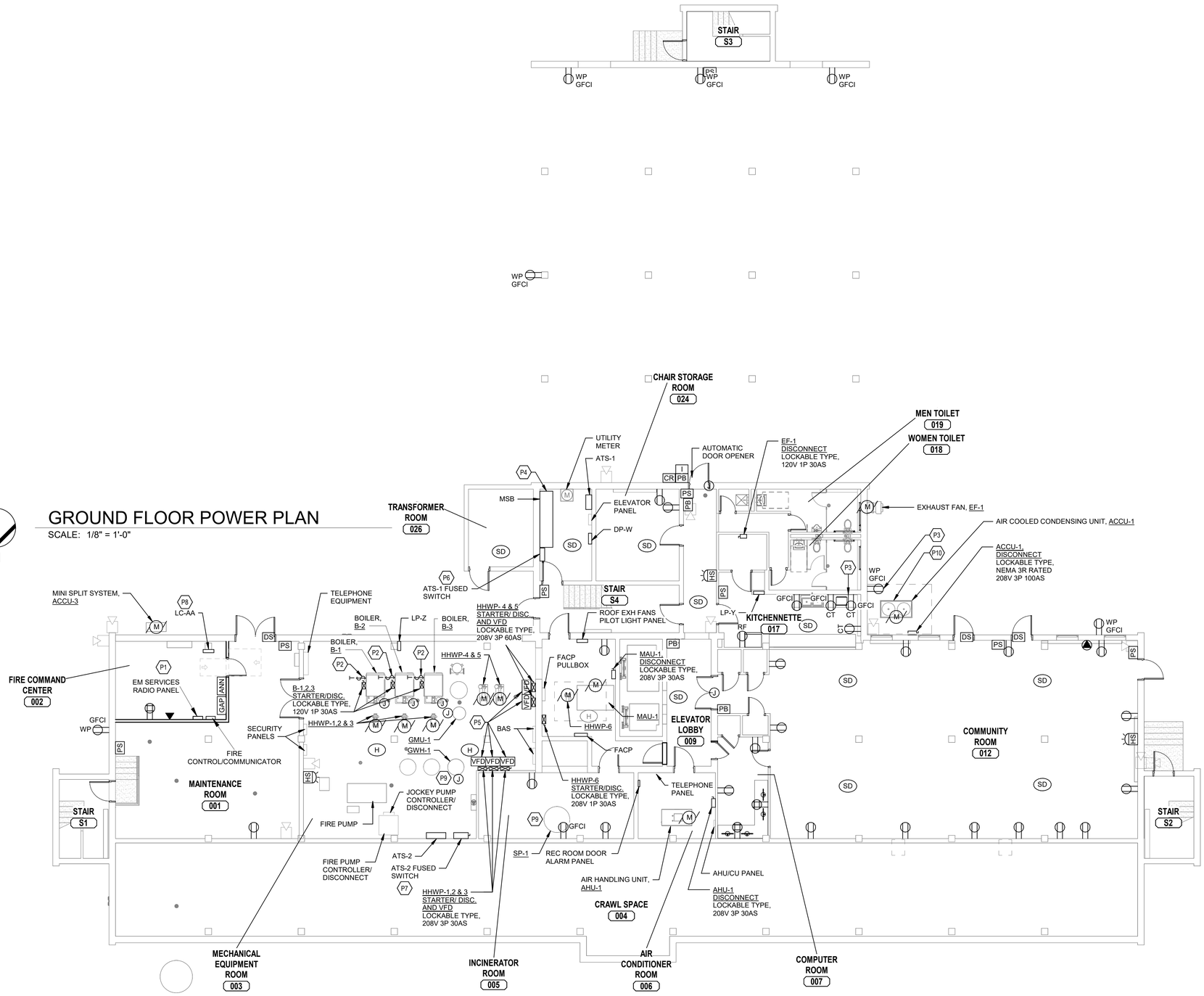
KEYNOTES

#	DESCRIPTION
P1	FIELD COORDINATE INSTALLATION LOCATION OF EQUIPMENT REQUIRED IN FIRE COMMAND CENTER WITH OWNER AND FIRE CHIEFS OFFICE. FIRE COMMAND CENTER SHALL CONTAIN ALL OF THE FEATURES COMPLYING WITH NFPA 72. UTILIZE SPARE 120V 20A 1PH CIRCUIT OUT OF LC "AA" FOR FIRE COMMAND CENTER LIGHTNG AND CONVENIENCE OUTLETS. WIRING SHALL BE 2#12 & 1#12 GND - 3/4" C.
P2	LOCKABLE DISCONNECT SWITCHES FOR B-1, 2, & 3 CONTROL. 120V 1P 20A.
P3	CONNECT NEW DEVICE NOT PREVIOUSLY CIRCUITED TO LOCAL CIRCUIT FEEDING THE AREA. DO NOT OVERLOAD. CIRCUIT LOAD SHALL NOT EXCEED 80% MAX.
P4	PROVIDE AND INSTALL NEW SERVICE SWITCHBOARD, EATON POW-R-LINE XPERT GROUP-MOUNTED DISTRIBUTION TYPE. 2000A BUS RATING, kAIC RATING TO MATCH OLD RATING (COORDINATE WITH UTILITY CO.), UTILITY METERING SECTION, FRONT ACCESSIBLE, INTEGRAL SPD, BUSWAY AND TRANSFORMER CONNECTION, MCCB'S, ETC. RECONNECT EXISTING BUS AND FEEDERS. SEE SINGLE LINE DIAGRAM, SHEET E6001.
P5	HHWP MOTOR VFD. SUPPLIED BY MC INSTALLED BY EC.
P6	NEW 200A, 208V, 3P EMERGENCY POWER DISCONNECT FOR ATS-1. EXTEND/INTERCEPT EXISTING WIRE/CONDUIT AS NEEDED. LOCATION TBD. SEE SINGLE LINE DIAGRAM I, SHEET E6001.
P7	NEW 600A, 208V, 3P EMERGENCY POWER DISCONNECT FOR ATS-2. EXTEND/INTERCEPT EXISTING WIRE/CONDUIT AS NEEDED. SEE SINGLE LINE DIAGRAM I, SHEET E6001.
P8	PANELBOARD LC-AA SHALL BE REPOSITIONED AS SHOWN FOR ELECTRICAL CLEARANCE. EXTEND EXISTING CIRCUITS TO NEW LOCATION.
P9	RECONNECT EXISTING CIRCUIT FOR NEW EQUIPMENT. SEE PANELBOARD SCHEDULE NOTES FOR LC-Z.
P10	RECONNECT EXISTING CIRCUIT FOR NEW MECHANICAL EQUIPMENT. FIELD VERIFY SOURCE AND INTEGRITY OF WIRE/CONDUIT. VERIFY NEC CODE COMPLIANCE. IF REQUIRED, PROVIDE NEW BRANCH CIRCUIT WIRE/CONDUIT AS INDICATED ON THE MECHANICAL EQUIPMENT SCHEDULE, SHEET E0003.

GROUND FLOOR POWER PLAN

SCALE: 1/8" = 1'-0"

N



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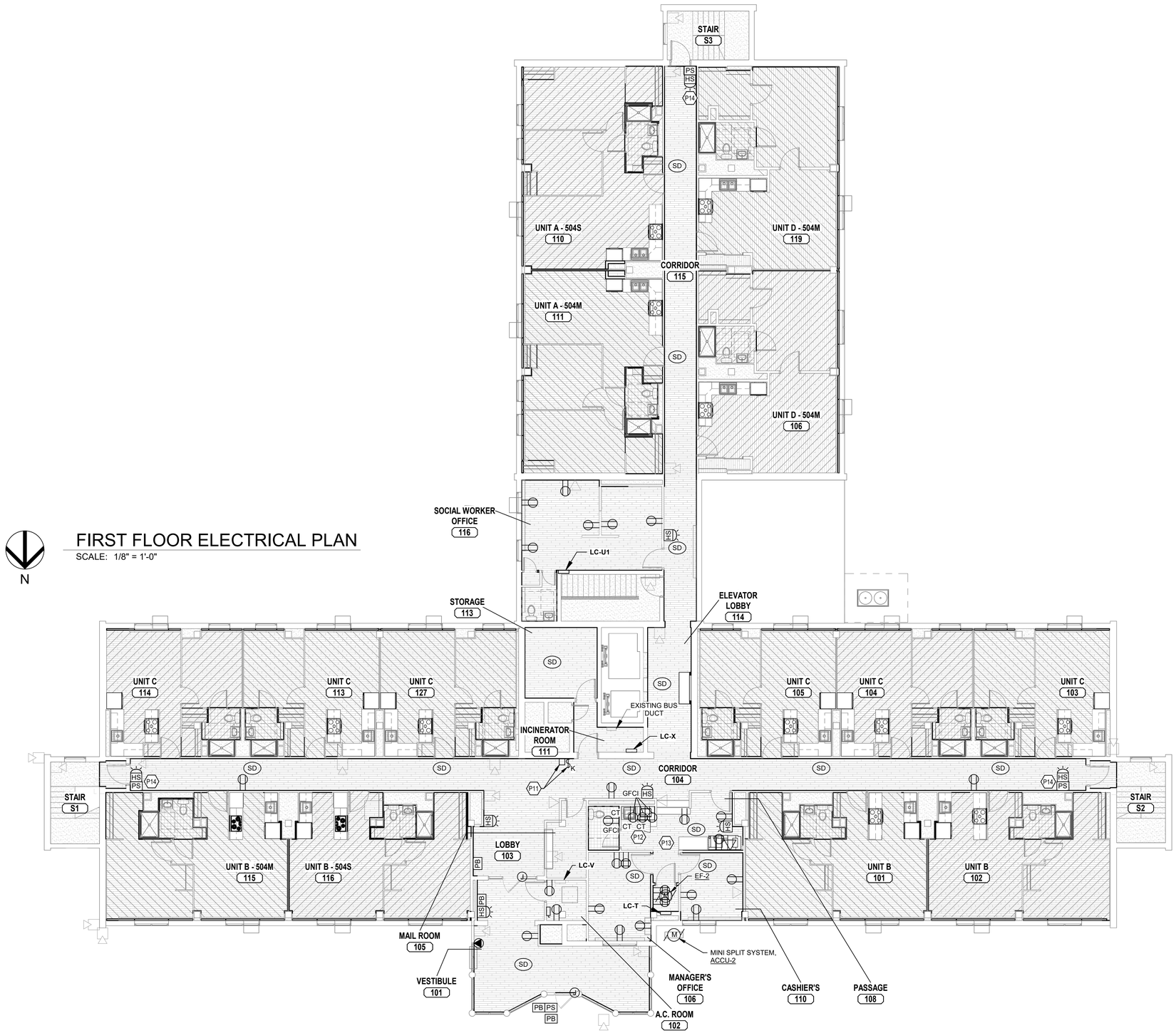
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE: GROUND FLOOR POWER PLAN

DRAWING NUMBER: **E1001**

REV: **0**

7/16/2025 10:11:05 AM



N

FIRST FLOOR ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ELECTRICAL CONTRACTOR SHALL VERIFY QUANTITY OF NEW FIXTURES AND DEVICES BEING REPLACED PRIOR TO INSTALLATION. EXISTING ELECTRICAL PANELBOARDS SHALL BE FIELD VERIFIED FOR QUANTITY AND TYPE OF CIRCUIT BREAKERS INSTALLED TO NEW PANELBOARDS PRIOR TO START OF NEW WORK.
3. USE SHRINK/CRACK-PROOF CAULK TO SEAL GAPS SMALLER THAN 1/4".
4. USE EXPANDING FOAM TO SEAL GAPS LARGER THAN 1/4".
5. SEAL ALL OUTLET AND SWITCH HOUSINGS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE A GASKET AND AIR-TIGHT COVER TO SEAL GAPS.
6. SEAL ALL RECESSED PANELS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE CAULK OR FOAM TO SEAL GAPS.

KEYNOTES

#	DESCRIPTION
P11	FIRE ALARM RADIO CONTROL GLASS BREAK AND KEY SWITCH FOR FIRE DEPARTMENT USE ONLY. COORDINATE WITH OWNER AND FIRE CHIEFS OFFICE FOR RELOCATION REQUIREMENT TO FIRE COMMAND CENTER.
P12	RECEPTACLES ARE AT DIFFERENT MOUNTING HEIGHTS SERVING THE COUNTER, MICROWAVE AND MINI FRIDGE.
P13	ALL NEW DEVICES SHALL BE WIRED TO A LOCAL CIRCUIT FEEDING THE AREA. EC TO ENSURE THE ADDITIONAL LOADING WILL NOT OVERLOAD THE CIRCUIT. SEE BUILDING PANEL SCHEDULES, SHEET E7002.
P14	FIRE ALARM HORN/STROBE UNIT MOUNTED ABOVE MANUAL PULL STATION AT REQUIRED HEIGHT.

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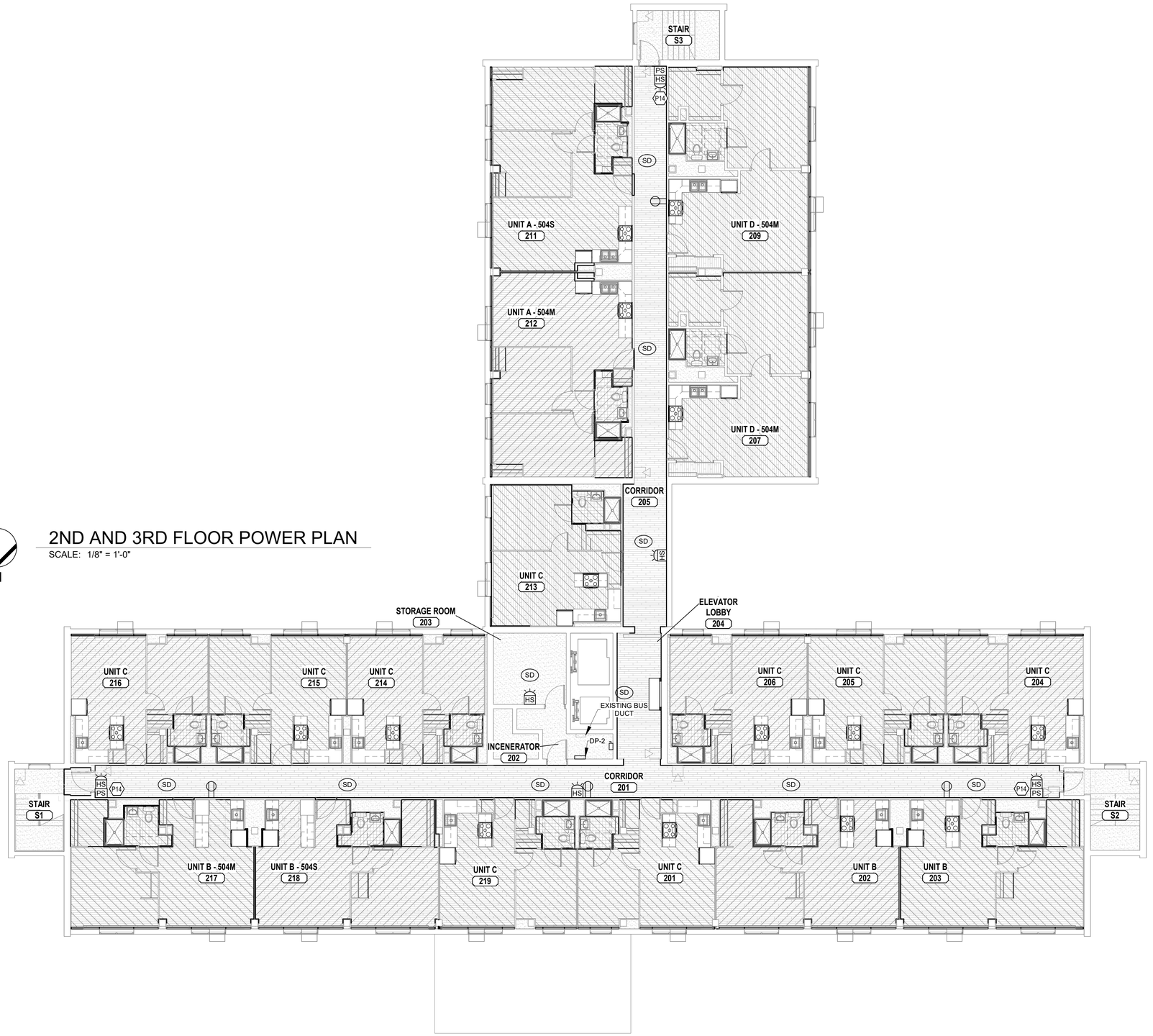
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601 MAPLE AVE.,
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DRAWING TITLE:
FIRST FLOOR POWER PLAN

DRAWING NUMBER: **E1002**

REV: **0**

7/15/2025 12:19:00 PM



N

2ND AND 3RD FLOOR POWER PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED.
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6. SEAL ALL RECESSED PANELS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE CAULK OR FOAM TO SEAL GAPS.

KEYNOTES

#	DESCRIPTION
P14	FIRE ALARM HORN/STROBE UNIT MOUNTED ABOVE MANUAL PULL STATION AT REQUIRED HEIGHT.

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DATE	07/18/25
SCALE	AS NOTED

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
2ND AND 3RD FLOOR POWER PLAN

DRAWING NUMBER: **E1003**

REV: **0**

7/15/2025 12:19:10 PM

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ELECTRICAL CONTRACTOR SHALL VERIFY QUANTITY OF NEW FIXTURES AND DEVICES BEING REPLACED PRIOR TO INSTALLATION. EXISTING ELECTRICAL PANELBOARDS SHALL BE FIELD VERIFIED FOR QUANTITY AND TYPE OF CIRCUIT BREAKERS INSTALLED TO NEW PANELBOARDS PRIOR TO START OF NEW WORK.
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4. USE EXPANDING FOAM TO SEAL GAPS LARGER THAN 1/4".
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6. SEAL ALL RECESSED PANELS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE CAULK OR FOAM TO SEAL GAPS.

KEYNOTES

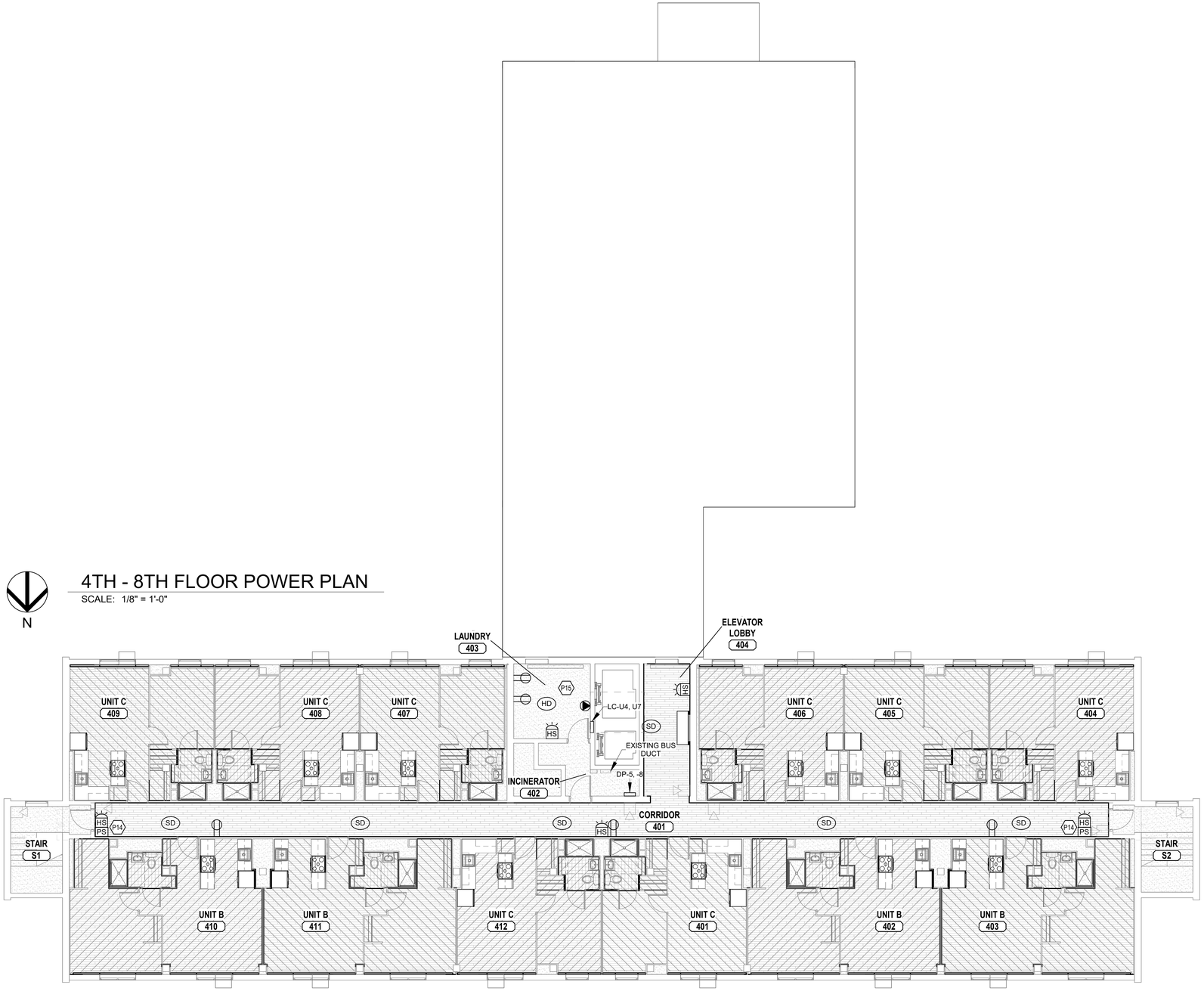
#	DESCRIPTION
P14	FIRE ALARM HORN/STROBE UNIT MOUNTED ABOVE MANUAL PULL STATION AT REQUIRED HEIGHT.
P15	LAUNDRY ROOM EQUIPMENT ON THE SIXTH FLOOR SHALL REMAIN CONNECTED TO EXISTING SOURCE.

NOT FOR CONSTRUCTION

N

4TH - 8TH FLOOR POWER PLAN

SCALE: 1/8" = 1'-0"



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DATE	07/18/25
SCALE	AS NOTED

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
4TH - 8TH FLOOR POWER PLAN

DRAWING NUMBER: **E1004**

REV: **0**

7/15/2025 12:19:17 PM

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED.
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3. USE SHRINK/CRACK-PROOF CAULK TO SEAL GAPS SMALLER THAN 1/4".
4. USE EXPANDING FOAM TO SEAL GAPS LARGER THAN 1/4".
5. SEAL ALL OUTLET AND SWITCH HOUSINGS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE A GASKET AND AIR-TIGHT COVER TO SEAL GAPS.
6. SEAL ALL RECESSED PANELS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE CAULK OR FOAM TO SEAL GAPS.

KEYNOTES

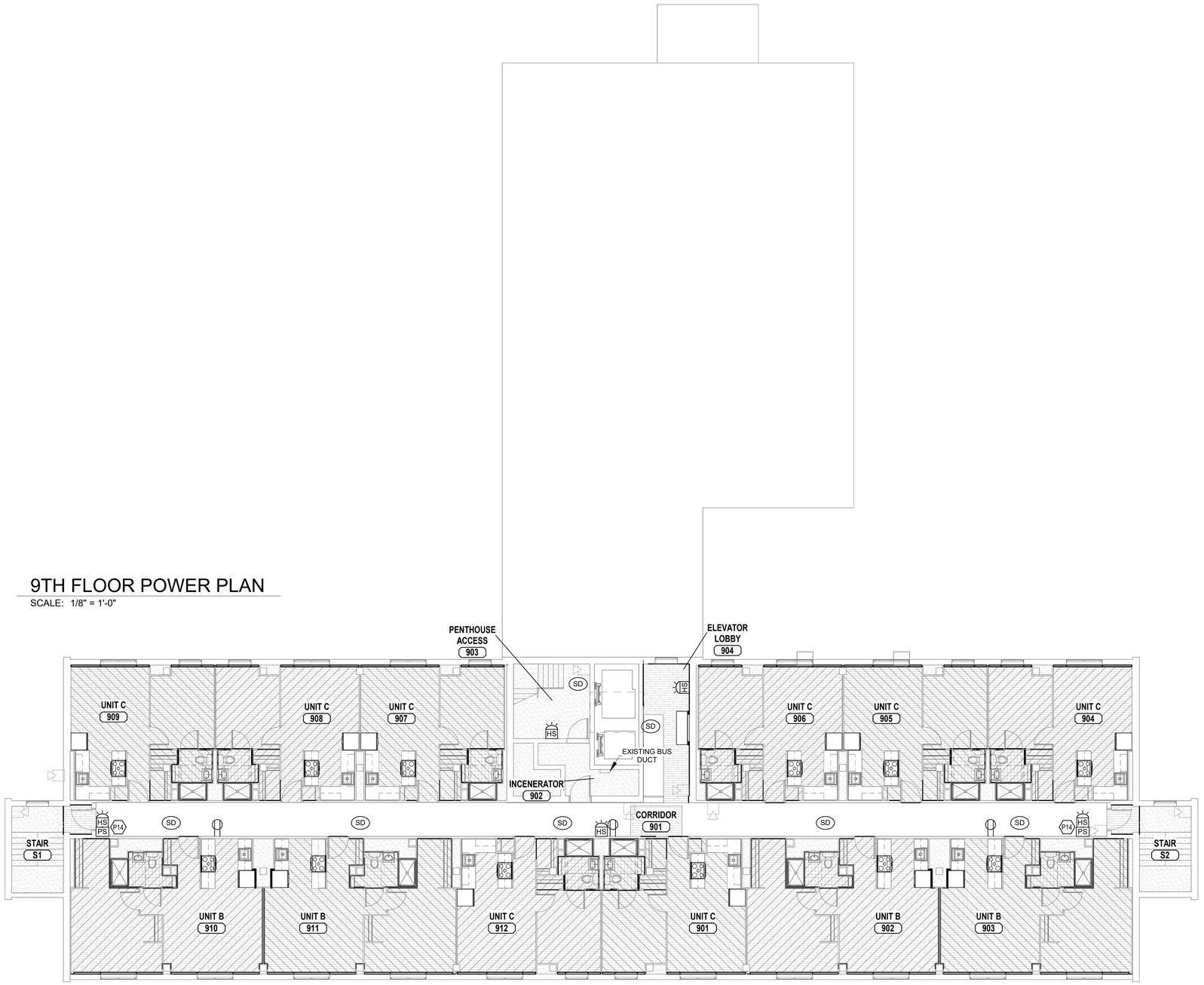
#	DESCRIPTION
P14	FIRE ALARM HORN/STROBE UNIT MOUNTED ABOVE MANUAL PULL STATION AT REQUIRED HEIGHT.

NOT FOR CONSTRUCTION

N

9TH FLOOR POWER PLAN

SCALE: 1/8" = 1'-0"



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DESIGN BY	WCC
DRAWN BY	KMM
CHECK BY	DLW
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE: 9TH FLOOR POWER PLAN

DRAWING NUMBER: **E1005**

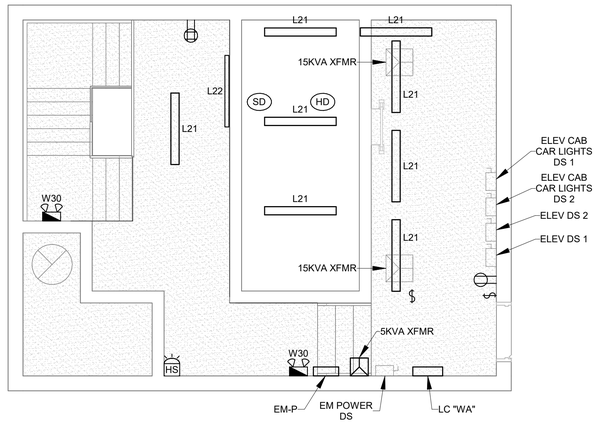
REV: **0**

7/15/2025 12:19:23 PM

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ELECTRICAL CONTRACTOR SHALL VERIFY QUANTITY OF NEW FIXTURES AND DEVICES BEING REPLACED PRIOR TO INSTALLATION. EXISTING ELECTRICAL PANELBOARDS SHALL BE FIELD VERIFIED FOR QUANTITY AND TYPE OF CIRCUIT BREAKERS INSTALLED TO NEW PANELBOARDS PRIOR TO START OF NEW WORK.
3. USE SHRINK/CRACK-PROOF CAULK TO SEAL GAPS SMALLER THAN 1/4".
4. USE EXPANDING FOAM TO SEAL GAPS LARGER THAN 1/4".
5. SEAL ALL OUTLET AND SWITCH HOUSINGS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE A GASKET AND AIR-TIGHT COVER TO SEAL GAPS.
6. SEAL ALL RECESSED PANELS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE CAULK OR FOAM TO SEAL GAPS.

NOT FOR CONSTRUCTION



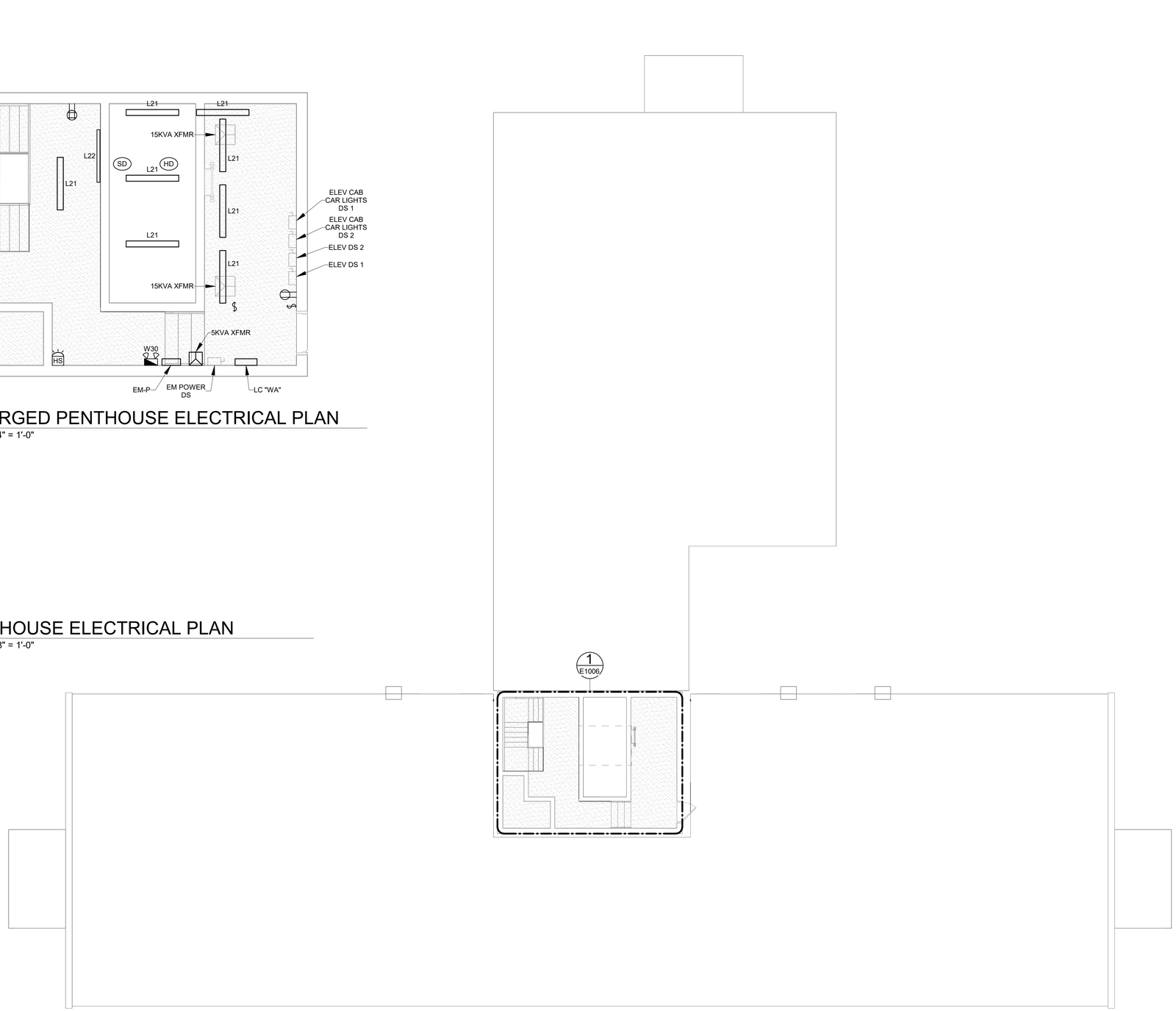
ENLARGED PENTHOUSE ELECTRICAL PLAN

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

N

PENTHOUSE ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"



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DRAWN BY	KMM
CHECK BY	DLW
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
PENTHOUSE ELECTRICAL PLAN

DRAWING NUMBER: **E1006**

REV: **0**

7/15/2025 12:19:24 PM

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ELECTRICAL CONTRACTOR SHALL VERIFY QUANTITY OF NEW FIXTURES AND DEVICES BEING REPLACED PRIOR TO INSTALLATION. EXISTING ELECTRICAL PANELBOARDS SHALL BE FIELD VERIFIED FOR QUANTITY AND TYPE OF CIRCUIT BREAKERS INSTALLED TO NEW PANELBOARDS PRIOR TO START OF NEW WORK. PANELBOARD CIRCUITING IS FOR REFERENCE ONLY.
3. USE SHRINK/CRACK-PROOF CAULK TO SEAL GAPS SMALLER THAN 1/4".
4. USE EXPANDING FOAM TO SEAL GAPS LARGER THAN 1/4".
5. SEAL ALL SWITCH HOUSINGS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE A GASKET AND AIR-TIGHT COVER TO SEAL GAPS.
6. SEAL RECESSED LIGHTING TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. CONTRACTOR TO USE CAULK, FOAM OR GASKET TO SEAL GAP.

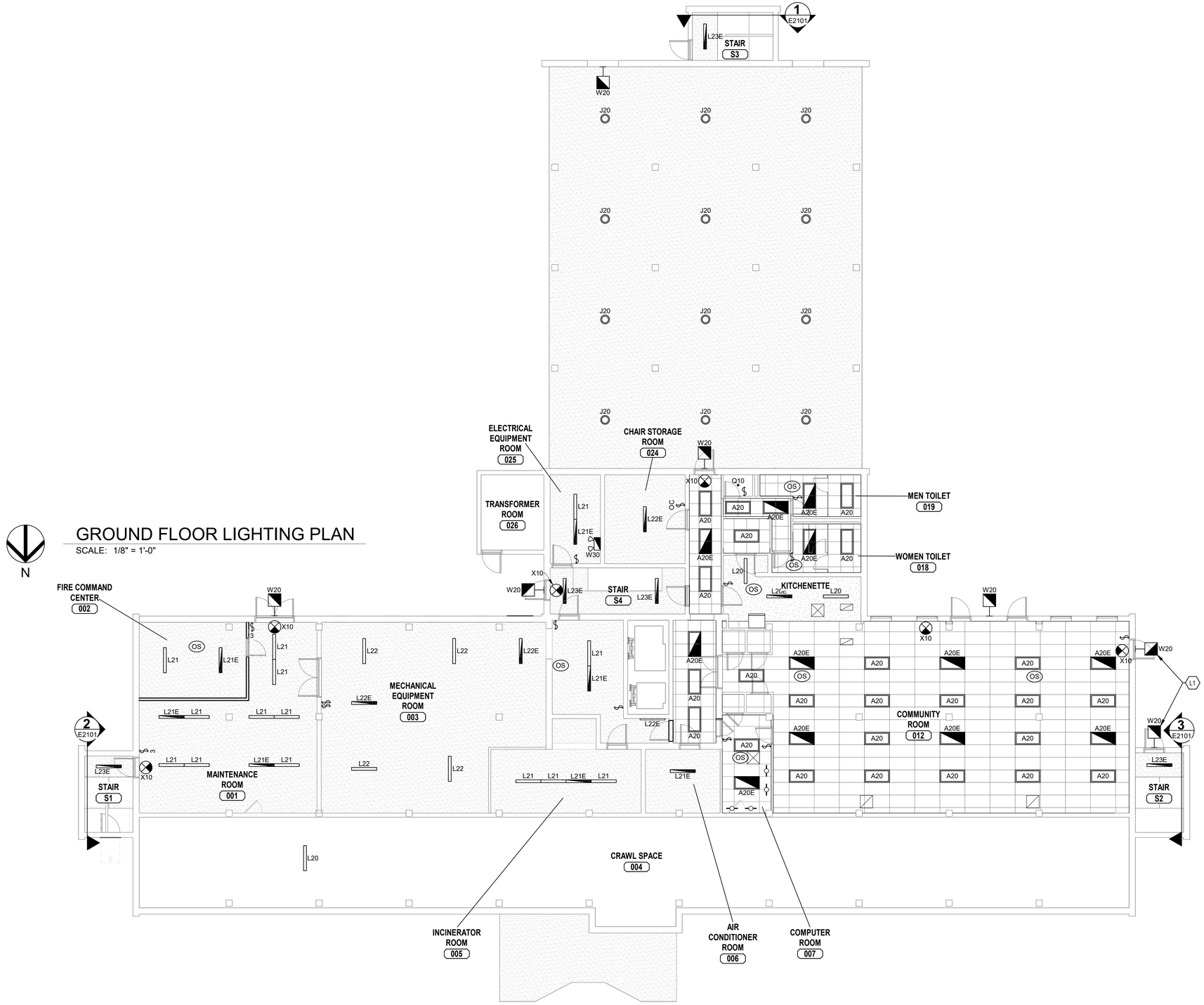
KEYNOTES

#	DESCRIPTION
L1	CONNECT TO EXISTING EXTERIOR LIGHTING CIRCUIT FEEDING THE AREA. DO NOT OVERLOAD CIRCUIT. 80% MAX.

NOT FOR CONSTRUCTION

GROUND FLOOR LIGHTING PLAN

SCALE: 1/8" = 1'-0"



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DRAWN BY	KMM
CHECK BY	DLW
DATE	07/18/25
SCALE	AS NOTED

CMHA

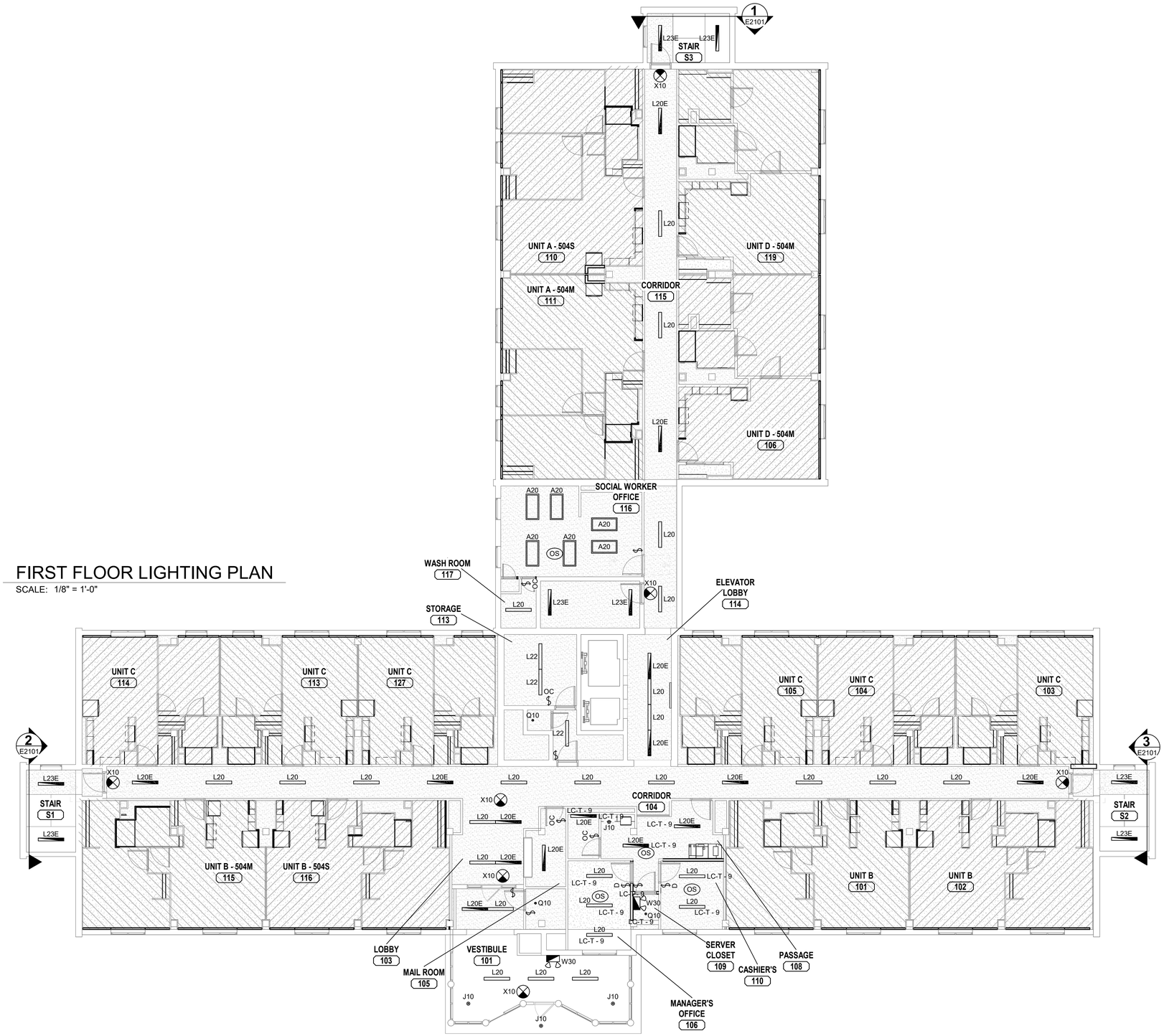
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
GROUND FLOOR LIGHTING PLAN

DRAWING NUMBER: **E1101**

REV: **0**

7/17/2025 10:51:51 AM



N

FIRST FLOOR LIGHTING PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED.
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DATE	07/18/25
SCALE	AS NOTED

CMHA

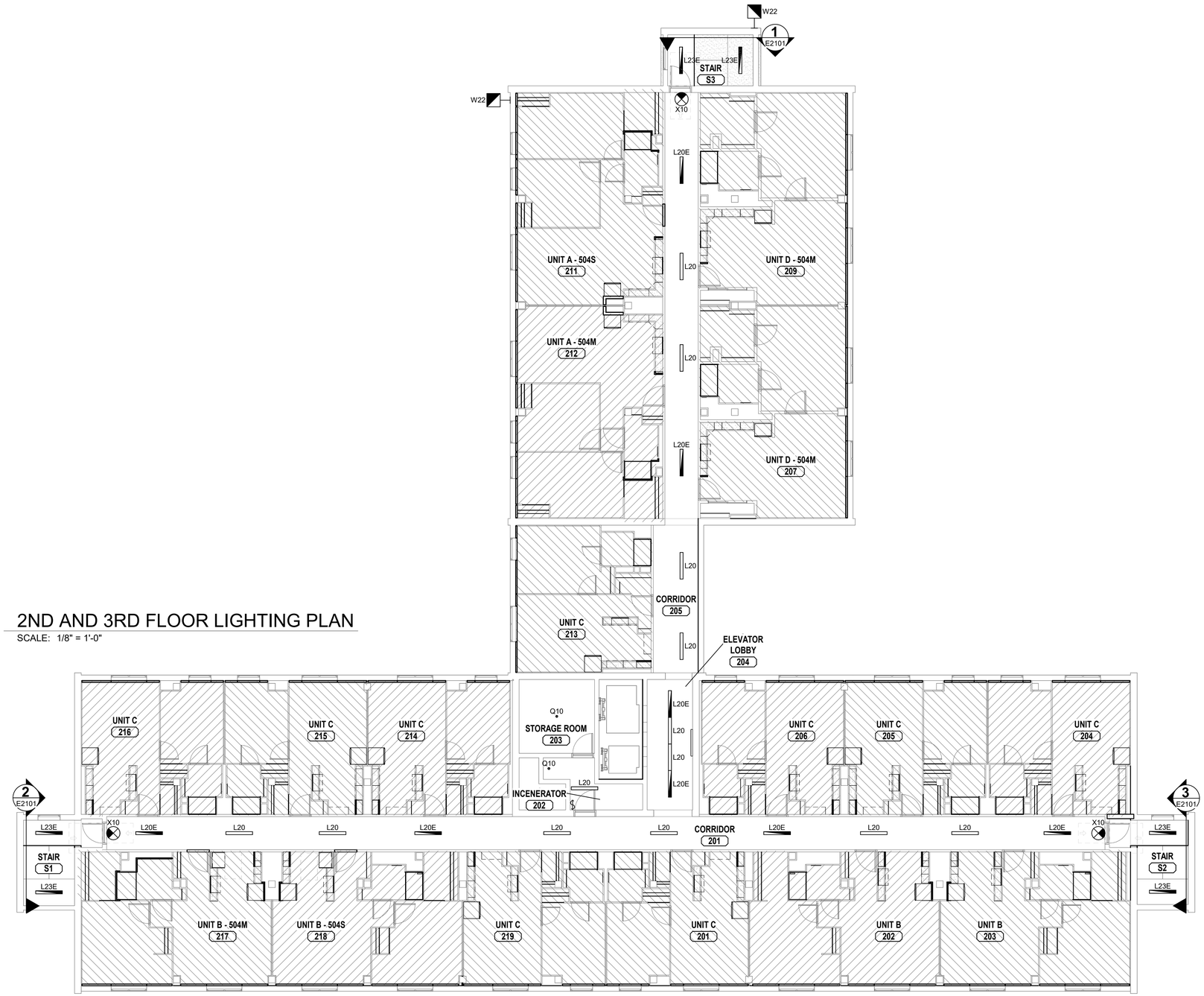
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
FIRST FLOOR LIGHTING PLAN

DRAWING NUMBER: **E1102**

REV: **0**

7/15/2025 12:19:29 PM



N

2ND AND 3RD FLOOR LIGHTING PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED.
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DESIGN BY	WCC
DRAWN BY	KMM
CHECK BY	DLW
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
2ND AND 3RD FLOOR LIGHTING PLAN

DRAWING NUMBER: **E1103**

REV: **0**

7/15/2025 12:19:32 PM

GENERAL NOTES

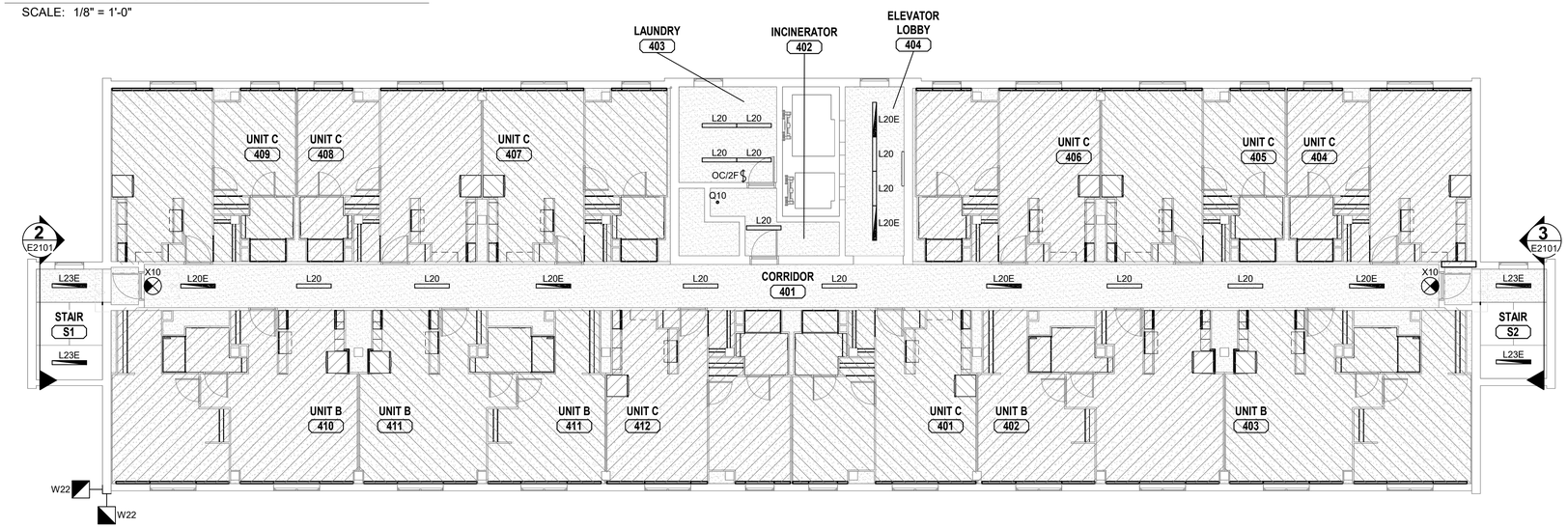
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NOT FOR CONSTRUCTION

N

4TH - 8TH FLOOR LIGHTING PLAN

SCALE: 1/8" = 1'-0"



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North Olmsted, OH 44070

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DRAWN BY	KMM
CHECK BY	DLW
DATE	07/18/25
SCALE	AS NOTED

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
4TH - 8TH FLOOR LIGHTING PLAN

DRAWING NUMBER: **E1104**

REV: **0**

7/15/2025 12:19:36 PM

GENERAL NOTES

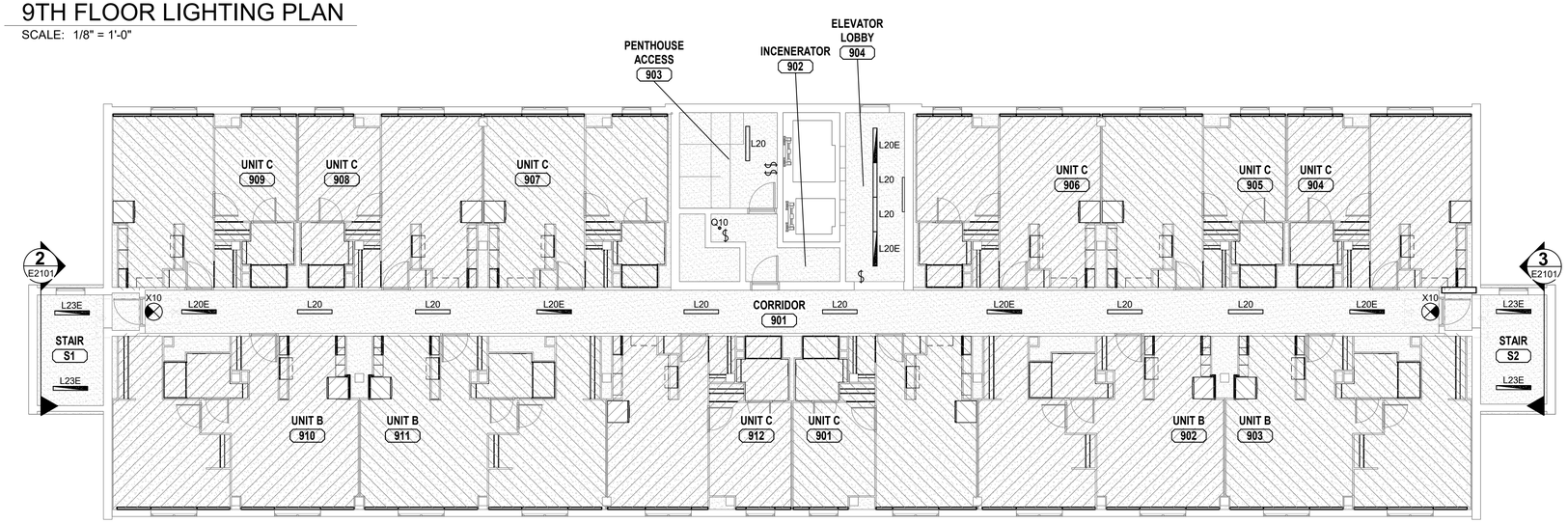
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NOT FOR CONSTRUCTION

N

9TH FLOOR LIGHTING PLAN

SCALE: 1/8" = 1'-0"



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DRAWN BY	KMM
CHECK BY	DLW
DATE	07/18/25
SCALE	AS NOTED

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DRAWING TITLE: 9TH FLOOR LIGHTING PLAN

DRAWING NUMBER: **E1105**

REV: **0**

7/15/2025 12:19:38 PM

GENERAL NOTES

1. E.C. TO INSTALL NEW 6" MESH CABLE TRAY TO SUPPORT EXISTING CABLES ROUTED ALONG THE PERIMETER OF THE HALLWAY. GROUND AND BOND ACCORDING TO NEC 70 ARTICLE 392.60 WHERE METAL CABLE TRAYS CONTAINING NON-POWER CONDUCTORS SHALL BE ELECTRICALLY CONTINUOUS THROUGH APPROVED CONNECTIONS OR THE USE OF A BONDING JUMPER.
2. CROSS-SECTIONAL AREA OF CABLES SHALL NOT EXCEED THE VALUES SPECIFIED FOR CABLE AND TRAY TYPE PER NEC 70 ARTICLE 392.

ALTERNATES

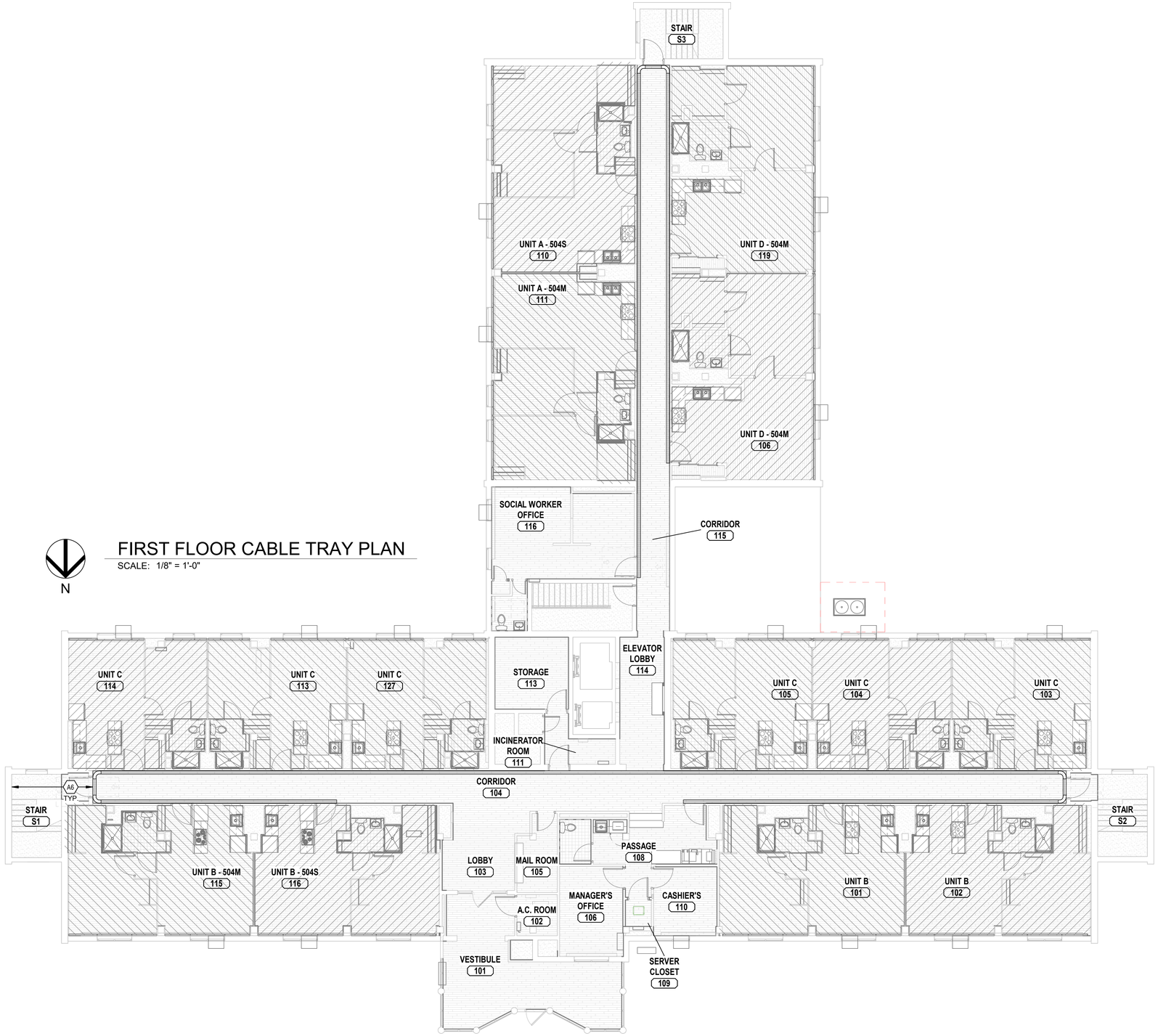
#	DESCRIPTION
A6	ALTERNATE #6 - E.C. TO FIELD COORDINATE CABLE TRAY INSTALLATION NEEDS TO COAX CABLE/COMM JUNCTION BOXES IN STAIRWELL WITH OWNER. CONTRACTOR TO PROVIDE ESTIMATE FOR DEDUCT ALTERNATE OF CABLE TRAY INSTALLATION.

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N

FIRST FLOOR CABLE TRAY PLAN

SCALE: 1/8" = 1'-0"



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REW JOB #	07425
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DRAWN BY	KMM
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DATE	07/18/25
SCALE	AS NOTED

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
FIRST FLOOR CABLE TRAY PLAN

DRAWING NUMBER: **E1201**

REV: **0**

7/15/2025 12:19:45 PM

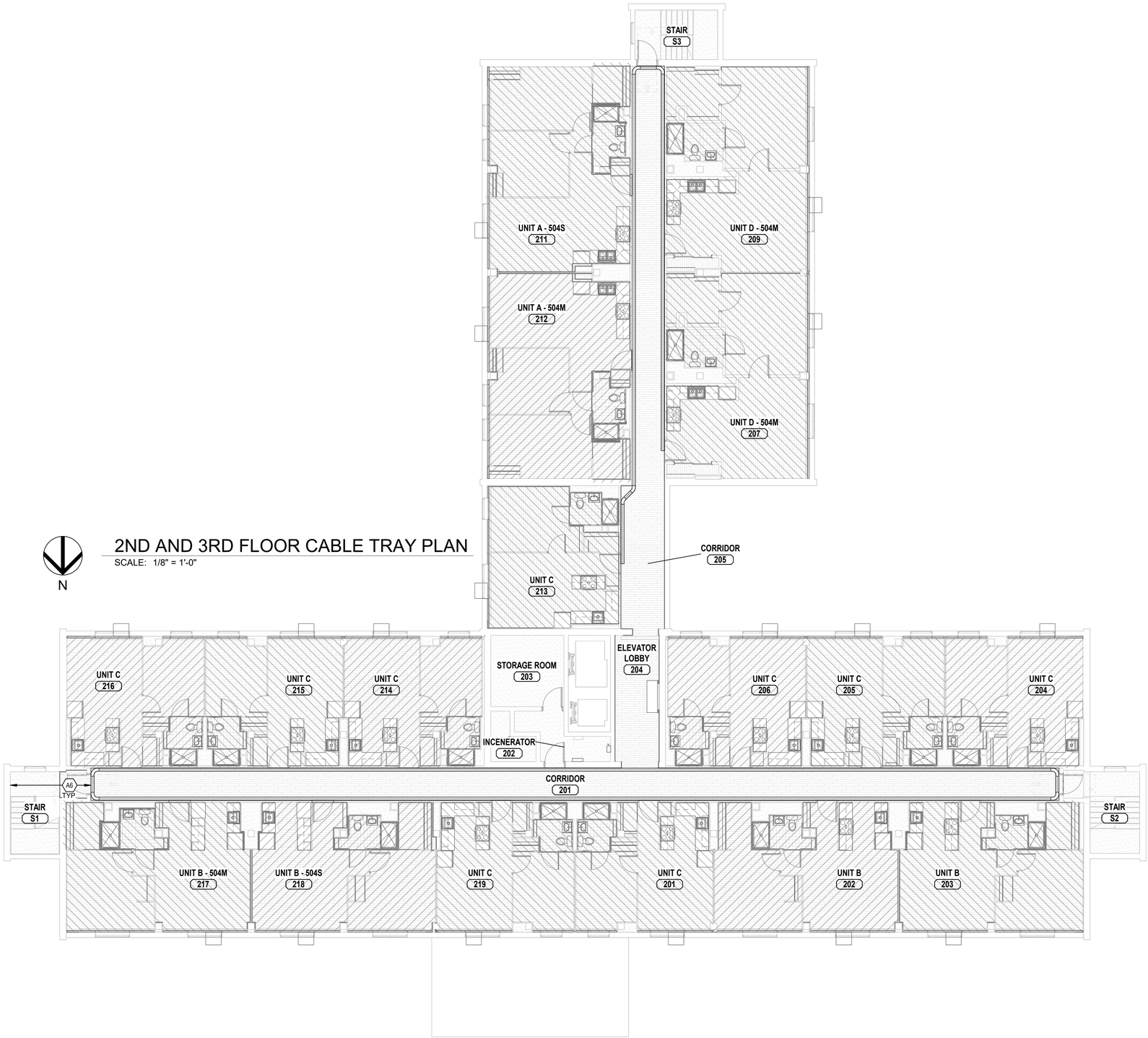
GENERAL NOTES

1. E.C. TO INSTALL NEW 6" MESH CABLE TRAY TO SUPPORT EXISTING CABLES ROUTED ALONG THE PERIMETER OF THE HALLWAY. GROUND AND BOND ACCORDING TO NEC 70 ARTICLE 392.60 WHERE METAL CABLE TRAYS CONTAINING NON-POWER CONDUCTORS SHALL BE ELECTRICALLY CONTINUOUS THROUGH APPROVED CONNECTIONS OR THE USE OF A BONDING JUMPER.
2. CROSS-SECTIONAL AREA OF CABLES SHALL NOT EXCEED THE VALUES SPECIFIED FOR CABLE AND TRAY TYPE PER NEC 70 ARTICLE 392.

ALTERNATES

#	DESCRIPTION
A6	ALTERNATE #6 - E.C. TO FIELD COORDINATE CABLE TRAY INSTALLATION NEEDS TO COAX CABLE/COMM JUNCTION BOXES IN STAIRWELL WITH OWNER. CONTRACTOR TO PROVIDE ESTIMATE FOR DEDUCT ALTERNATE OF CABLE TRAY INSTALLATION.

NOT FOR CONSTRUCTION



N

2ND AND 3RD FLOOR CABLE TRAY PLAN

SCALE: 1/8" = 1'-0"

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REVISIONS

REW JOB #	07425
DESIGN BY	WCC
DRAWN BY	KMM
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DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
2ND AND 3RD FLOOR CABLE TRAY PLAN

DRAWING NUMBER: **E1202**

REV: **0**

7/15/2025 12:19:53 PM

GENERAL NOTES

1. E.C. TO INSTALL NEW 6" MESH CABLE TRAY TO SUPPORT EXISTING CABLES ROUTED ALONG THE PERIMETER OF THE HALLWAY. GROUND AND BOND ACCORDING TO NEC 70 ARTICLE 392.60 WHERE METAL CABLE TRAYS CONTAINING NON-POWER CONDUCTORS SHALL BE ELECTRICALLY CONTINUOUS THROUGH APPROVED CONNECTIONS OR THE USE OF A BONDING JUMPER.
2. CROSS-SECTIONAL AREA OF CABLES SHALL NOT EXCEED THE VALUES SPECIFIED FOR CABLE AND TRAY TYPE PER NEC 70 ARTICLE 392.

ALTERNATES

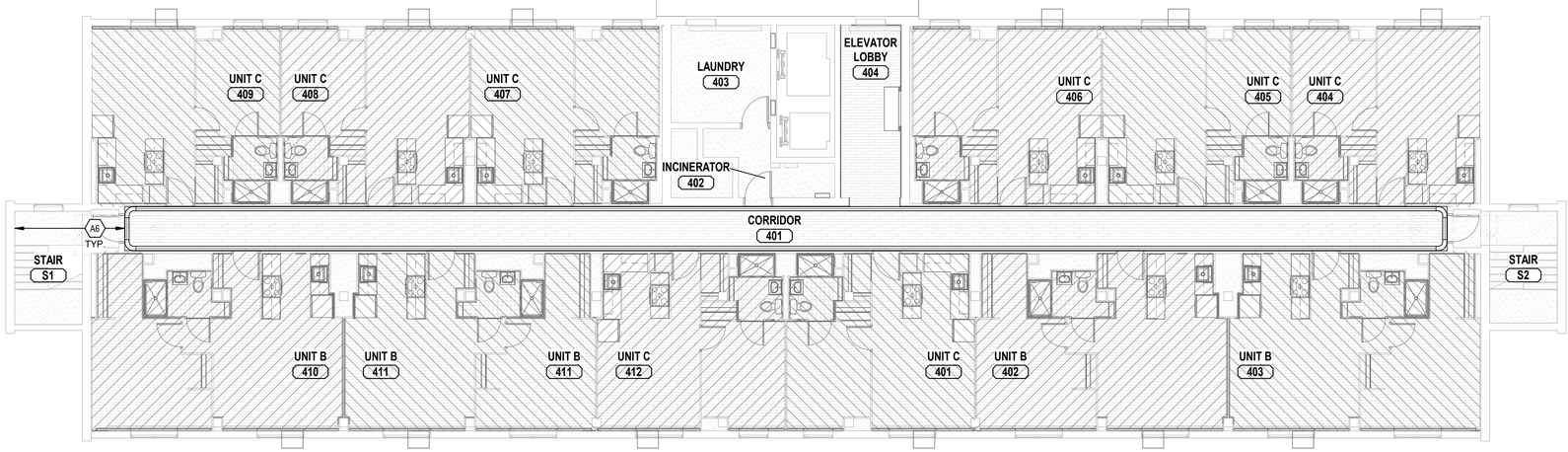
#	DESCRIPTION
A6	ALTERNATE #6 - E.C. TO FIELD COORDINATE CABLE TRAY INSTALLATION NEEDS TO COAX CABLE/COMM JUNCTION BOXES IN STAIRWELL WITH OWNER. CONTRACTOR TO PROVIDE ESTIMATE FOR DEDUCT ALTERNATE OF CABLE TRAY INSTALLATION.

NOT FOR CONSTRUCTION

N

4TH - 9TH FLOOR CABLE TRAY PLAN

SCALE: 1/8" = 1'-0"



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SCALE	AS NOTED

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
4TH - 9TH FLOOR CABLE TRAY PLAN

DRAWING NUMBER: **E1203**

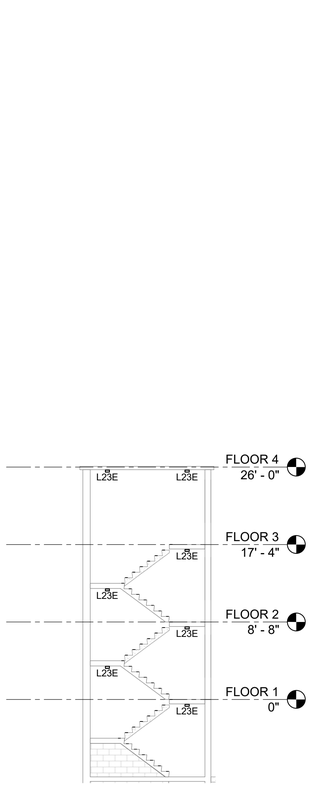
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7/15/2025 12:19:58 PM

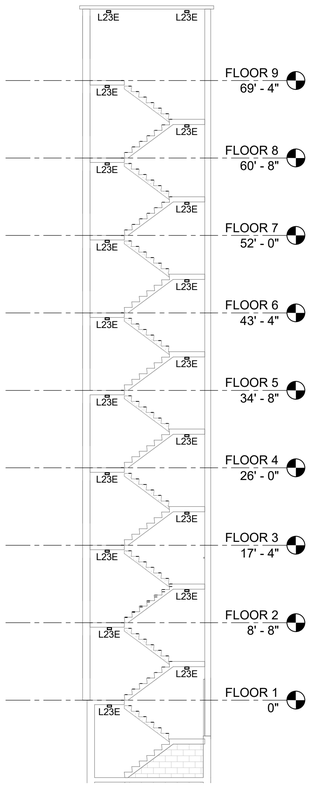
GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ELECTRICAL CONTRACTOR SHALL VERIFY QUANTITY OF NEW FIXTURES AND DEVICES BEING REPLACED PRIOR TO INSTALLATION. EXISTING ELECTRICAL PANELBOARDS SHALL BE FIELD VERIFIED FOR QUANTITY AND TYPE OF CIRCUIT BREAKERS INSTALLED TO NEW PANELBOARDS PRIOR TO START OF NEW WORK. PANELBOARD CIRCUITING IS FOR REFERENCE ONLY.
3. USE SHRINK/CRACK-PROOF CAULK TO SEAL GAPS SMALLER THAN 1/4".
4. USE EXPANDING FOAM TO SEAL GAPS LARGER THAN 1/4".
5. SEAL ALL SWITCH HOUSINGS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE A GASKET AND AIR-TIGHT COVER TO SEAL GAPS.
6. SEAL RECESSED LIGHTING TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. CONTRACTOR TO USE CAULK, FOAM OR GASKET TO SEAL GAP.

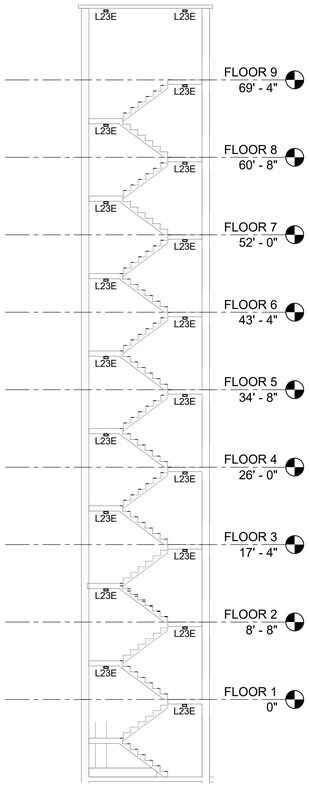
NOT FOR CONSTRUCTION



1 E1101 SOUTH STAIRS LIGHTING
SCALE: 1/8" = 1'-0"



2 E1101 EAST STAIRS LIGHTING
SCALE: 1/8" = 1'-0"



3 E1101 WEST STAIRS LIGHTING
SCALE: 1/8" = 1'-0"

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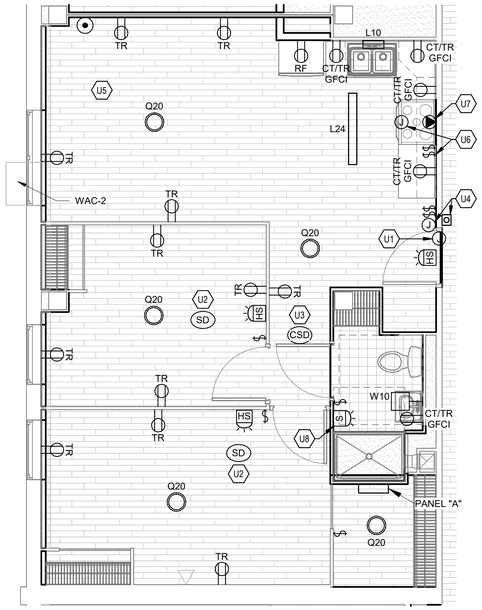
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
ELECTRICAL ELEVATIONS - LIGHTING

DRAWING NUMBER: **E2101**

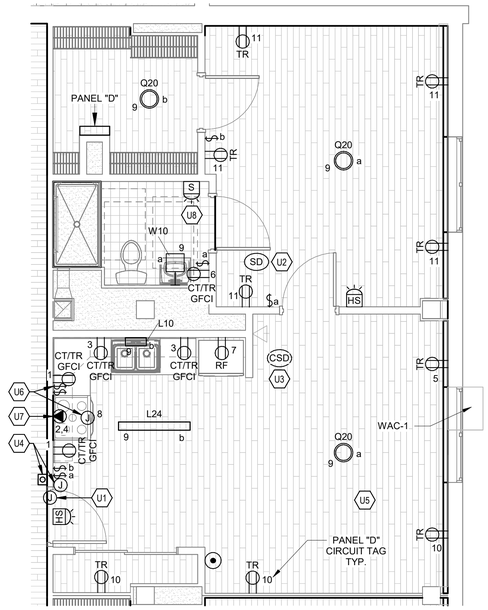
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7/15/2025 12:19:59 PM



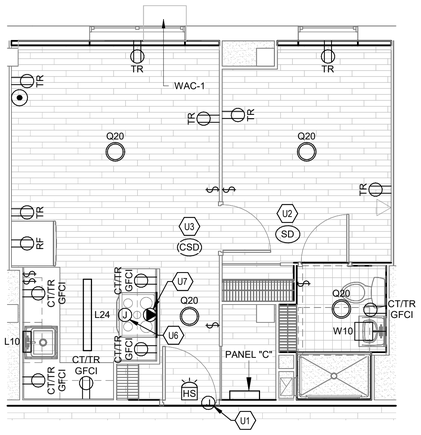
TYPICAL UNIT "A" - 504 MOBILITY/SENSORY ELECTRICAL PLAN

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



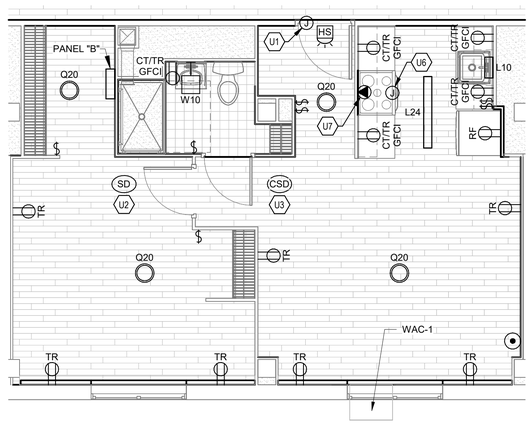
TYPICAL UNIT "D" - 504 MOBILITY ELECTRICAL PLAN

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



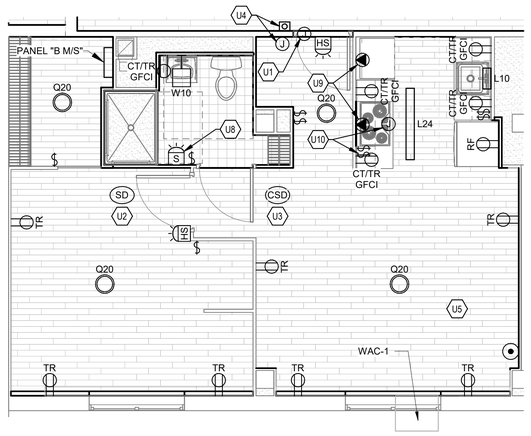
TYPICAL UNIT "C" ELECTRICAL PLAN

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



TYPICAL UNIT "B" ELECTRICAL PLAN

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



TYPICAL UNIT "B" - 504 MOBILITY/SENSORY ELECTRICAL PLAN

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

GENERAL NOTES

1. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ELECTRICAL CONTRACTOR SHALL INSTALL ROCKER TYPE LIGHT SWITCHES IN APARTMENT UNITS. ALL OUTLETS AND SWITCHES TO BE WHITE WITH WHITE COVER PLATES.
3. ALL 120 VOLT, SINGLE PHASE, 15 AND 20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES INSTALLED IN DWELLING UNIT KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, BEDROOMS,CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL HAVE ARC FAULT CIRCUIT INTERRUPTER PROTECTION.
4. PERMANENTLY INSTALL AUDIO AND VISUAL ALARMS IN MOBILITY/SENSORY UNITS ONLY, COMPLYING WITH NFPA 72. MAXIMUM ALLOWABLE SOUND LEVEL OF NOTIFICATION APPLIANCES SHALL HAVE A SOUND LEVEL OF NO MORE THAN 110dB AT THE MAXIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. ANY NOTIFICATION DEVICES WITHIN A COMMON FIELD OF VIEW REQUIRE SYNCHRONIZATION.
5. ALL UNITS SHALL BE COMPLIANT WITH APPLICABLE PORTIONS OF ANSI A117.1. MODIFY CIRCUIT BREAKER MOUNTING HEIGHT SO THAT IT COMPLIES WITH MOUNTING HEIGHT LIMITATIONS PER ANSI 117.1 308 AND 309. PANELS SHALL BE MOUNTED SUCH THAT THE MOUNTING HEIGHT OF ALL CIRCUIT BREAKERS ARE BETWEEN 15" MIN. AND 48" MAX. VERIFY LOCATION AND MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH-IN. MODIFY WIRING DEVICE MOUNTING HEIGHT AS REQUIRED MEETING ANSI 117.1 308 AND 309 FOR REACH. DEVICES SHALL BE WITHIN THE FOLLOWING RANGES:

   FORWARD REACH REQUIREMENTS: 15" MIN., 48" MAX.
   SIDE REACH REQUIREMENTS: 15" MIN., 48" MAX.
6. LIGHT SWITCHING DESIGNATION SHOULD BE VERIFIED IN FIELD. EXISTING DESIGNATION SHOULD BE MAINTAINED.
7. CAPITAL LETTER FOLLOWED BY NUMBER INDICATES LIGHT FIXTURE TYPE, LOWER CASE LETTER INDICATES ASSIGNED WALL CONTROL SWITCH.
8. FIRE ALARM DEVICES TO BE MOUNTED 90" ABOVE FINISHED FLOOR.
9. SEAL ALL OUTLET AND SWITCH HOUSINGS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE A GASKET AND AIR-TIGHT COVER TO SEAL GAPS.
10. SEAL RECESSED LIGHTING TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. CONTRACTOR TO USE CAULK, FOAM OR GASKET TO SEAL GAP.
11. SEAL ALL RECESSED PANELS TO REDUCE LEAKAGE BETWEEN CAVITIES AND APARTMENT. USE CAULK OR FOAM TO SEAL GAPS.

KEYNOTES

#	DESCRIPTION
U1	ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL STEPDOWN TRANSFORMER AND ALL CIRCUITRY FOR THE WIRELESS DOOR ENTRY SYSTEM. COORDINATE WITH HARDWARE INSTALLER PRIOR TO INSTALLATION.
U2	PROVIDE AND INSTALL NEW WIRED SMOKE DETECTION ALARM WITH BATTERY BACKUP. RECONNECT NEW SMOKE DETECTION ALARM TO EXISTING LIGHTING CIRCUIT.
U3	PROVIDE AND INSTALL NEW WIRED CARBON MONOXIDE/SMOKE DETECTOR COMBINATION UNIT. CONNECT TO EXISTING LIGHTING CIRCUIT OF SINGLE SMOKE DETECTOR UNIT.
U4	PROVIDE DOOR CHIME AND HORN/STROBE SYSTEM FOR MOBILITY AND SENSORY UNITS ONLY, EQUAL TO EDWARDS #6536-G5 HORN/STROBE, #592 TRANSFORMER AND #620 PUSHBUTTON. PROVIDE ALL ACCESSORIES NECESSARY FOR A COMPLETE SYSTEM. COORDINATE WITH OWNER PRIOR TO INSTALLATION.
U5	FOR MOBILITY AND SENSORY UNITS ONLY, PROVIDE NEW REMOTE PHONE SIGNAL FLASHING LIGHT EDWARDS #8-KHD-1000-PP. VERIFY FLASHING LIGHT MOUNTING HEIGHT WITH THE OWNER PRIOR TO ROUGH-IN. MOUNT ONE TELEPHONE OUTLET DIRECTLY BELOW THE FLASHING LIGHT. MOUNT OTHER TELEPHONE OUTLET AT RECEPTACLE HEIGHT. PROVIDE TELEPHONE CORD WITH JACKS AT EACH END BETWEEN THE TOP TELEPHONE OUTLET AND THE FLASHING LIGHT.
U6	NEW RANGE HOOD SHALL BE FURNISHED AND INSTALLED BY OTHERS. PROVIDE ALL WIRING AND LAMPS. PROVIDE COUNTER HEIGHT FAN CONTROL SWITCHES IN ALL MOBILITY/SENSORY UNITS.
U7	PROVIDE 208V RECEPTACLE FOR RANGE. COORDINATE NEMA CONFIGURATION WITH EQUIPMENT SUPPLIER PRIOR TO ORDERING.
U8	PROVIDE STROBE IN MOBILITY/SENSORY UNIT BATHROOMS. STANDARD UNITS SHALL HAVE NO BATHROOM FIRE ALARM NOTIFICATION APPLIANCES.
U9	PROVIDE NEW 208V RECEPTACLE FOR OVEN AND COOK TOP. COORDINATE NEMA CONFIGURATION WITH EQUIPMENT SUPPLIER PRIOR TO ORDERING.
U10	NEW COOK TOP SHALL BE FURNISHED AND INSTALLED BY OTHERS. PROVIDE ALL WIRING AND LAMPS. PROVIDE COUNTER HEIGHT FAN CONTROL SWITCHES IN ALL MOBILITY/SENSORY UNITS.

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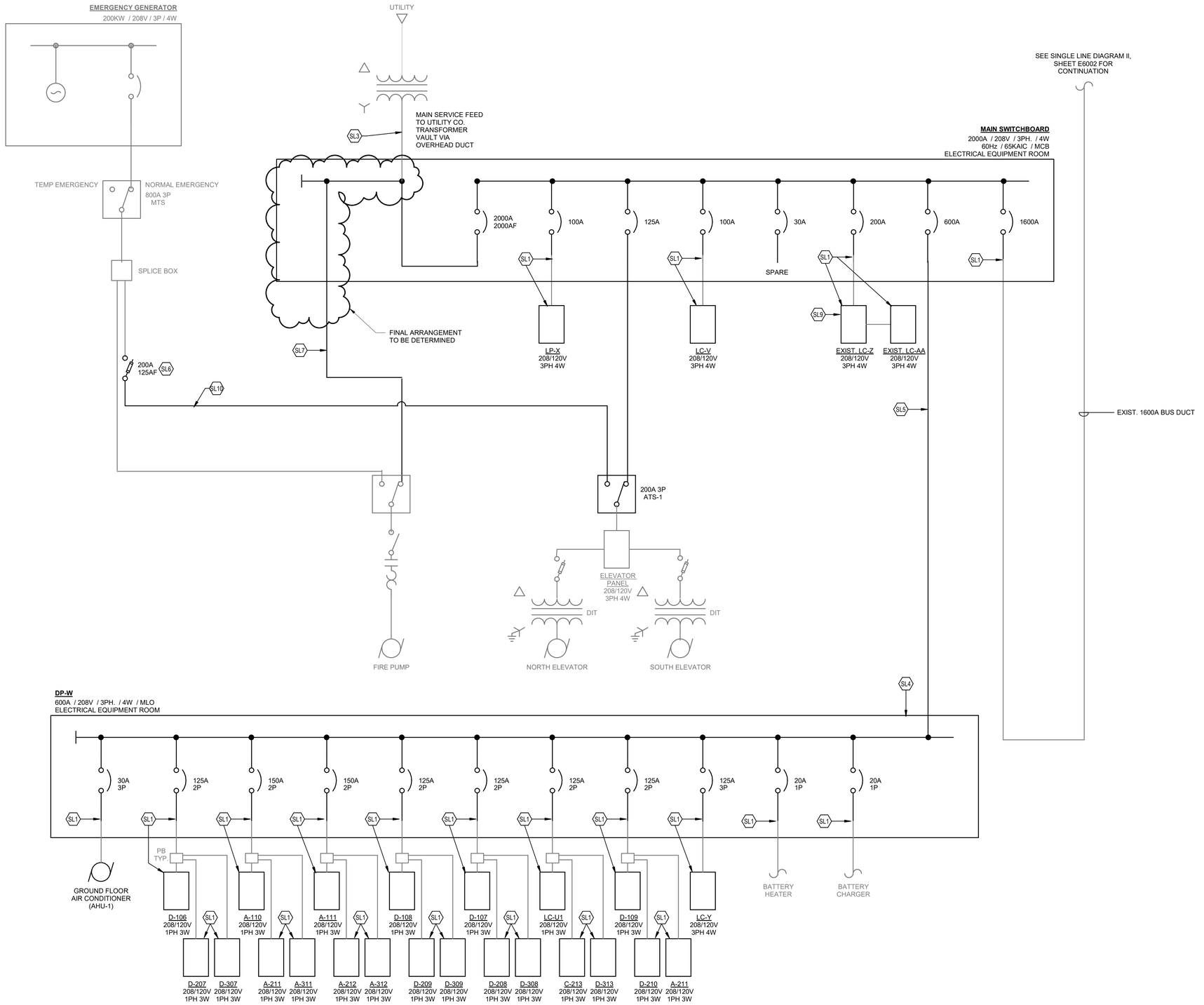
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
TYPICAL UNITS ELECTRICAL PLANS

DRAWING NUMBER: **E4001**

REV: **0**

7/15/2025 12:20:04 PM



SINGLE LINE DIAGRAM I

SCALE: NTS

GENERAL NOTES

1. ELECTRICAL EQUIPMENT NEW INSTALLATION SHALL BE COORDINATED FOR PHASING AND SHUT DOWNS WITH THE OWNER AND GENERAL CONTRACTOR PRIOR TO COMMENCING WORK.
2. ALL BUILDING AND APARTMENT UNIT PANELBOARDS SHALL BE REPLACED IN THE SAME LOCATION. NEW PANELBOARDS SHALL MATCH EXISTING RATINGS. RECONNECT EXISTING CIRCUITS TO NEW PANELBOARDS. CONTRACTOR IS RESPONSIBLE TO PROVIDE QUANITITY AND TYPE OF CIRCUIT BREAKERS FOR EXISTING LOADS. SEE PANELBOARD SCHEDULE SHEETS, E7001 & E7002 FOR PANELBOARD SCHEDULES AND REQUIREMENTS.
3. WHERE IT IS ACCEPTABLE, REUSE EXISTING PANEL TUB FOR FLUSH MOUNTED PANELBOARDS BEING REPLACED. VERIFY TUB HAS ADEQUATE SPACE AND CLEARANCE FOR NEW BUSSING AND CIRCUIT BREAKERS. PROVIDE NEW PAINTED COVER.
4. WHERE NEW FLUSH MOUNTED PANEL TUB MUST BE PROVIDED IN EXISTING WALL AND EXISTING TUB CANNOT BE REUSED, CONTRACTOR SHALL CUT AND PATCH WALL TO ACCOMMODATE NEW PANEL. COORDINATE WORK WITH GC.
5. REPLACE FEEDERS AS NECESSARY FOR BUILDING OR APARTMENT UNIT PANELBOARDS. RE-USE EXISTING CONDUIT WHERE INSTALLATION MEETS CURRENT CODE REQUIREMENTS. WHERE PANELS ARE BEING RELOCATED, EXTEND FEEDERS/CONDUIT TO NEW LOCATION SHOWN ON PLANS.

KEYNOTES

#	DESCRIPTION
SL1	RECONNECT EXISTING FEEDER TO NEW PANELBOARD/EQUIPMENT.
SL3	NEW 2000A SWITCHBOARD. RECONNECT SERVICE-ENTRANCE CONDUCTORS AND ALL EXISTING FEEDERS. SEE GROUND FLOOR POWER PLAN, SHEET E1001 FOR ADDITIONAL INFORMATION.
SL4	NEW 600A DISTRIBUTION PANEL. CONNECT NEW FEEDER TO PANEL.
SL5	(2) SETS OF 4#350KCMIL & 1#1 GND. - 4" C. EACH.
SL6	PROVIDE AND INTALL NEW FUSED EMERGENCY DISCONNECT SWITCHES. SEE GROUND FLOOR POWER PLAN, SHEET E1001 FOR LOCATIONS AND NOTES.
SL7	3#4/0 & 1#4 GND. - 2"C.
SL9	ELECTRICAL CONTRACTOR TO PROVIDE AND INSTAL NEW 208V, 3PH, 225A, 60 SPACE PANEL.
SL10	CONTRACTOR TO INSTALL NEW CABLE BETWEEN FUSED DISCONNECT AND ATS. CABLE TO BE OF EQUIVALENT SIZE TO THE EXISTING CABLE.

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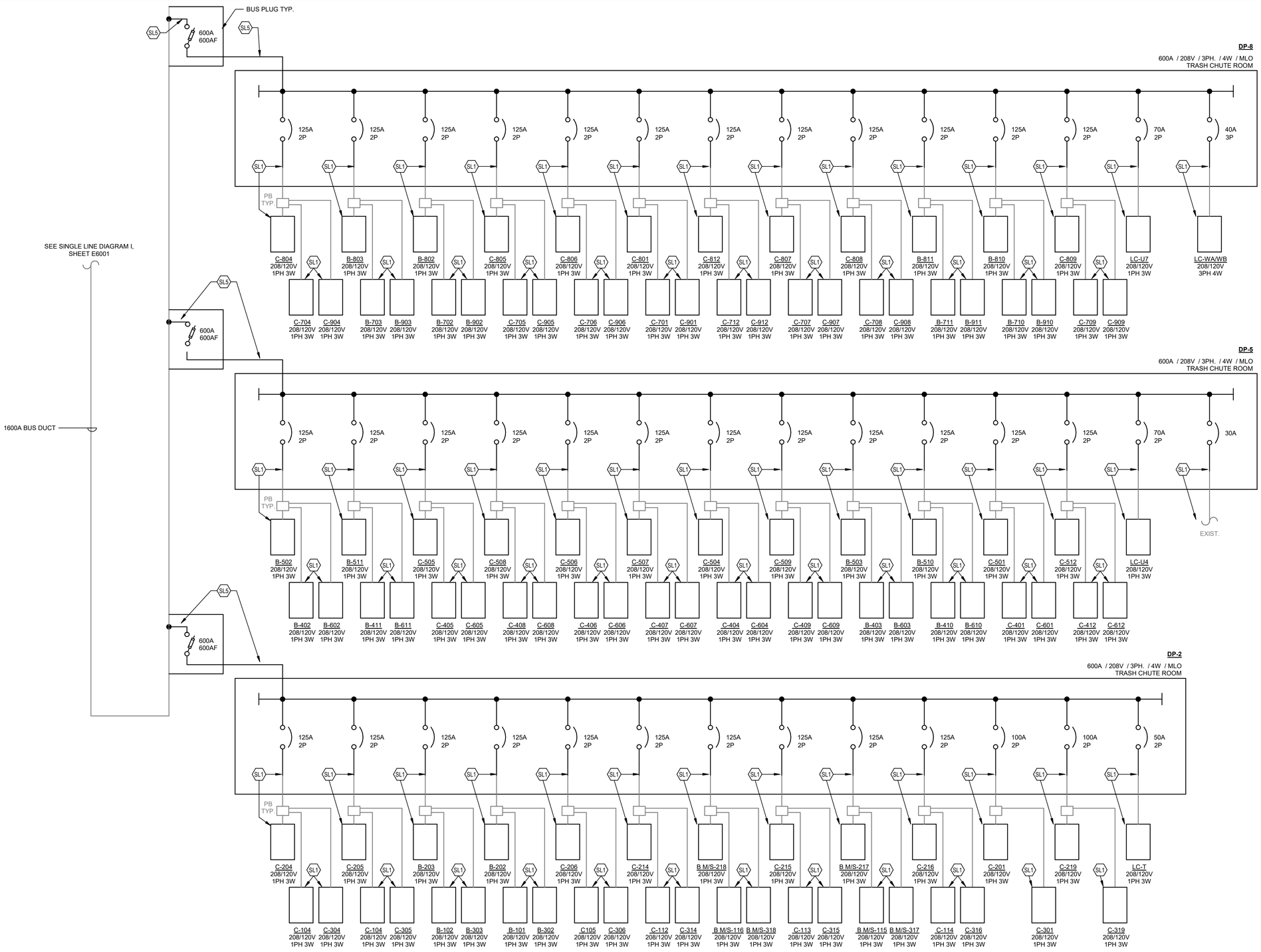
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601 MAPLE AVE.,
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DRAWING TITLE: SINGLE LINE DIAGRAM I

DRAWING NUMBER: **E6001**

REV: **0**

7/15/2025 1:42:30 PM



SINGLE LINE DIAGRAM II

SCALE: NTS

GENERAL NOTES

1. ELECTRICAL EQUIPMENT NEW INSTALLATION SHALL BE COORDINATED FOR PHASING AND SHUT DOWNS WITH THE OWNER AND GENERAL CONTRACTOR PRIOR TO COMMENCING WORK.
2. ALL BUILDING AND APARTMENT UNIT PANELBOARDS SHALL BE REPLACED IN THE SAME LOCATION. NEW PANELBOARDS SHALL MATCH EXISTING RATINGS. RECONNECT EXISTING CIRCUITS TO NEW PANELBOARDS. CONTRACTOR IS RESPONSIBLE TO PROVIDE QUANITITY AND TYPE OF CIRCUIT BREAKERS FOR EXISTING LOADS. SEE PANELBOARD SCHEDULE SHEETS, E7001 & E7002 FOR PANELBOARD SCHEDULES AND REQUIREMENTS.
3. WHERE IT IS ACCEPTABLE, REUSE EXISTING PANEL TUB FOR FLUSH MOUNTED PANELBOARDS BEING REPLACED. VERIFY TUB HAS ADEQUATE SPACE AND CLEARANCE FOR NEW BUSSING AND CIRCUIT BREAKERS. PROVIDE NEW PAINTED COVER.
4. WHERE NEW FLUSH MOUNTED PANEL TUB MUST BE PROVIDED IN EXISTING WALL AND EXISTING TUB CANNOT BE REUSED, CONTRACTOR SHALL CUT AND PATCH WALL TO ACCOMMODATE NEW PANEL. COORDINATE WORK WITH GC.
5. REPLACE FEEDERS AS NECESSARY FOR BUILDING OR APARTMENT UNIT PANELBOARDS. RE-USE EXISTING CONDUIT WHERE INSTALLATION MEETS CURRENT CODE REQUIREMENTS. WHERE PANELS ARE BEING RELOCATED, EXTEND FEEDERS/CONDUIT TO NEW LOCATION SHOWN ON PLANS.

KEYNOTES

#	DESCRIPTION
SL1	RECONNECT EXISTING FEEDER TO NEW PANELBOARD/EQUIPMENT.
SL5	(2) SETS OF 4#350KCMIL & 1#1 GND. - 4" C. EACH.

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE: SINGLE LINE DIAGRAM II

DRAWING NUMBER: **E6002**

REV: **0**

7/15/2025 12:20:05 PM

Branch Panel: PANEL "A"

Location: UNIT A - 504S 211
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Single Phase
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 70 A

Remarks	Circuit Description	Trip	Poles	Phase L1 (VA)		Phase L2 (VA)		Poles	Trip	Circuit Description	Remarks
A	KITCHEN RECEPTACLES	20 A	1	1,500	4,000			2	50 A	RANGE	
A	KITCHEN RECEPTACLES	20 A	1			1,500	4,000				
A	WALL A/C	15 A	1	1,380	180			1	20 A	BATH GFCI	
A	REFRIGERATOR	20 A	1			800	500	1	20 A	RANGE HOOD	
	LIGHTING	20 A	1	186	540			1	15 A	LIVING ROOM RECEPTACLES	A
A	BEDROOM RECEPTACLES	15 A	1			720	540	1	15 A	BEDROOM RECEPTACLES	A
			Total Load:	7786 VA		8060 VA					
			Total Amps:	75 A		77 A					

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING BREAKER, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER, [A] = AFCI BREAKER, LISTED COMBINATION TYPE TO BE INSTALLLED

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1380 VA	100.00%	1380 VA		
Lighting	186 VA	125.00%	233 VA	**Total Conn. Load:**	15846 VA
Power	500 VA	100.00%	500 VA	**Total Est. Demand:**	15893 VA
Receptacle	2780 VA	100.00%	2780 VA	**Total Conn. Current:**	76 A
Appliance - Dwelling Unit	8000 VA	100.00%	8000 VA	**Total Est. Calculated Current, First 10kVA @ 100% remainder @ 40%:**	59 A
Small Appliance - Dwelling Unit	3000 VA	100.00%	3000 VA		
				+ HVAC @ 100% - TOTAL CALCULATED CURRENT:	63 A

Notes:
RECONNECT ALL EXISTING CIRCUITS. THIS PANEL SCHEDULE MAY HAVE MINOR VARIATIONS, AND THE ELECTRICAL CONTRACTOR SHALL PROVIDE AN INSTALLATION THAT MATCHES THE EXISTING BRANCH CIRCUIT WIRING AS TO MNIMIZE NEW WIRING. INSTALL AFCI BREAKERS AS INDICATED.

Branch Panel: PANEL "B"

Location: UNIT B 202
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Single Phase
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 70 A

Remarks	Circuit Description	Trip	Poles	Phase L1 (VA)		Phase L2 (VA)		Poles	Trip	Circuit Description	Remarks
A	KITCHEN RECEPTACLES	20 A	1	1,500	4,000			2	50 A	RANGE	
A	KITCHEN RECEPTACLES	20 A	1			1,500	4,000				
A	WINDOW A/C	20 A	1	1,242	180			1	20 A	BATH GFCI	
A	REFRIGERATOR	20 A	1			800	500	1	15 A	RANGE HOOD	
	LIGHTING	20 A	1	168	540			1	15 A	LIVING ROOM RECEPTACLES	A
A	BEDROOM RECEPTACLES	15 A	1			540					
			Total Load:	7630 VA		7340 VA					
			Total Amps:	73 A		71 A					

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING BREAKER, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER, [A] = AFCI BREAKER, LISTED COMBINATION TYPE TO BE INSTALLLED

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1242 VA	100.00%	1242 VA		
Lighting	168 VA	125.00%	210 VA	**Total Conn. Load:**	14970 VA
Power	500 VA	100.00%	500 VA	**Total Est. Demand:**	15012 VA
Receptacle	2060 VA	100.00%	2060 VA	**Total Conn. Current:**	72 A
Appliance - Dwelling Unit	8000 VA	100.00%	8000 VA	**Total Est. Calculated Current, First 10kVA @ 100% remainder @ 40%:**	58 A
Small Appliance - Dwelling Unit	3000 VA	100.00%	3000 VA		
				+ HVAC @ 100% - TOTAL CALCULATED CURRENT:	61 A

Notes:
RECONNECT ALL EXISTING CIRCUITS. THIS PANEL SCHEDULE MAY HAVE MINOR VARIATIONS, AND THE ELECTRICAL CONTRACTOR SHALL PROVIDE AN INSTALLATION THAT MATCHES THE EXISTING BRANCH CIRCUIT WIRING AS TO MNIMIZE NEW WIRING. INSTALL AFCI BREAKERS AS INDICATED.

Branch Panel: PANEL "B M/S"

Location: UNIT B - 504M 217
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Single Phase
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 70 A

Remarks	Circuit Description	Trip	Poles	Phase L1 (VA)		Phase L2 (VA)		Poles	Trip	Circuit Description	Remarks
A	KITCHEN RECEPTACLES	20 A	1	1,500	3,328			2	40 A	OVEN	
A	KITCHEN RECEPTACLES	20 A	1			1,500	3,328				
A	WINDOW A/C	20 A	1	1,242	1,664			2	20 A	COOK TOP	
	REFRIGERATOR	20 A	1			800	1,664				
	LIGHTING	20 A	1	161	500			1	15 A	RANGE HOOD	
A	BEDROOM RECEPTACLES	20 A	1			540	540	1	15 A	LIVING ROOM RECEPTACLES	A
			Total Load:	8395 VA		8372 VA					
			Total Amps:	81 A		81 A					

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING BREAKER, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER, [A] = AFCI BREAKER, LISTED COMBINATION TYPE TO BE INSTALLLED

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1242 VA	100.00%	1242 VA		
Lighting	161 VA	125.00%	201 VA	**Total Conn. Load:**	16767 VA
Power	500 VA	100.00%	500 VA	**Total Est. Demand:**	16807 VA
Receptacle	1880 VA	100.00%	1880 VA	**Total Conn. Current:**	81 A
Appliance - Dwelling Unit	9984 VA	100.00%	9984 VA	**Total Est. Calculated Current, First 10kVA @ 100% remainder @ 40%:**	61 A
Small Appliance - Dwelling Unit	3000 VA	100.00%	3000 VA		
				+ HVAC @ 100% - TOTAL CALCULATED CURRENT:	65 A

Notes:
RECONNECT ALL EXISTING CIRCUITS. THIS PANEL SCHEDULE MAY HAVE MINOR VARIATIONS, AND THE ELECTRICAL CONTRACTOR SHALL PROVIDE AN INSTALLATION THAT MATCHES THE EXISTING BRANCH CIRCUIT WIRING AS TO MNIMIZE NEW WIRING. INSTALL AFCI BREAKERS AS INDICATED.

Branch Panel: PANEL "C"

Location: UNIT C 205
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Single Phase
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 70 A

Remarks	Circuit Description	Trip	Poles	Phase L1 (VA)		Phase L2 (VA)		Poles	Trip	Circuit Description	Remarks
A	KITCHEN RECEPTACLES	20 A	1	1,500	4,000			2	50 A	RANGE	
A	KITCHEN RECEPTACLES	20 A	1			1,500	4,000				
A	WINDOW A/C	15 A	1	1,242	180			1	20 A	BATH GFCI	
A	REFRIGERATOR	20 A	1			800	500	1	15 A	RANGE HOOD	
	LIGHTING	20 A	1	168	540			1	15 A	LIVING ROOM RECEPTACLES	A
A	BEDROOM RECEPTACLES	15 A	1			540					
			Total Load:	7630 VA		7340 VA					
			Total Amps:	73 A		71 A					

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING BREAKER, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER, [A] = AFCI BREAKER, LISTED COMBINATION TYPE TO BE INSTALLLED

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1242 VA	100.00%	1242 VA		
Lighting	168 VA	125.00%	210 VA	**Total Conn. Load:**	14970 VA
Power	500 VA	100.00%	500 VA	**Total Est. Demand:**	15012 VA
Receptacle	2060 VA	100.00%	2060 VA	**Total Conn. Current:**	72 A
Appliance - Dwelling Unit	8000 VA	100.00%	8000 VA	**Total Est. Calculated Current, First 10kVA @ 100% remainder @ 40%:**	58 A
Small Appliance - Dwelling Unit	3000 VA	100.00%	3000 VA		
				+ HVAC @ 100% - TOTAL CALCULATED CURRENT:	61 A

Notes:
RECONNECT ALL EXISTING CIRCUITS. THIS PANEL SCHEDULE MAY HAVE MINOR VARIATIONS, AND THE ELECTRICAL CONTRACTOR SHALL PROVIDE AN INSTALLATION THAT MATCHES THE EXISTING BRANCH CIRCUIT WIRING AS TO MNIMIZE NEW WIRING. INSTALL AFCI BREAKERS AS INDICATED.

Branch Panel: PANEL "D"

Location: UNIT D - 504M 209
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Single Phase
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 70 A

CKT (Remarks)		Circuit Description	Trip	Poles	Phase L1 (VA)		Phase L2 (VA)		Poles	Trip	Circuit Description	CKT (Remarks)	
1	A	KITCHEN RECEPTACLES	20 A	1	1,500	4,000			2	50 A	RANGE		2
3	A	KITCHEN RECEPTACLES	20 A	1			1,500	4,000					4
5	A	WINDOW A/C	15 A	1	1,242	180			1	20 A	BATH GFCI		6
7	A	REFRIGERATOR	20 A	1			800	500	1	15 A	RANGE HOOD		8
9		LIGHTING	20 A	1	150	540			1	15 A	LIVING ROOM RECEPTACLES	A	10
11	A	BEDROOM RECEPTACLES	15 A	1			900						12
13													14
15													16
				Total Load:	7612 VA		7700 VA						
				Total Amps:	73 A		74 A						

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING BREAKER, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER, [A] = AFCI BREAKER, LISTED COMBINATION TYPE TO BE INSTALLLED

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1242 VA	100.00%	1242 VA		
Lighting	150 VA	125.00%	188 VA	**Total Conn. Load:**	15312 VA
Power	500 VA	100.00%	500 VA	**Total Est. Demand:**	15350 VA
Receptacle	2420 VA	100.00%	2420 VA	**Total Conn. Current:**	74 A
Appliance - Dwelling Unit	8000 VA	100.00%	8000 VA	**Total Est. Calculated Current, First 10kVA @ 100% remainder @ 40%:**	58 A
Small Appliance - Dwelling Unit	3000 VA	100.00%	3000 VA		
				+ HVAC @ 100% - TOTAL CALCULATED CURRENT:	62 A

Notes:
ENTIRE APARTMENT UNIT SHALL BE WIRED FROM BREAKER PANEL "D". RECONNECT AND EXTEND CIRCUITS TO THIS PANEL, AS TO KEEP NEW WIRING TO A MINIMUM. INSTALL AFCI BREAKERS AS INDICATED. BRANCH CIRCUIT WIRING SHALL BE 2#12 &1#12 GND. - 3/4" C. FOR 15 AND 20 AMP CIRCUITS. BRANCH CIRCUIT WIRING SHALL BE 2#8 & 1#10 GND. - 3/4" C. FOR 50 AMP CIRCUIT.

GENERAL NOTES

1. APARTMENT UNIT LOAD CALCULATION IS DETERMINED BY NEC 220.82, OPTIONAL FEEDER AND SERVICE LOAD CALCULATIONS FOR A DWELLING UNIT.

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REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	LJL

REVISIONS

REW JOB #	07425
DESIGN BY	WCC
DRAWN BY	WCC
CHECK BY	DLW
DATE	07/18/25
SCALE	NONE

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
APARTMENT UNIT PANEL SCHEDULES

DRAWING NUMBER: **E7001**

REV: **0**

7/15/2025 12:20:06 PM

Branch Panel: LC-AA

Location: FIRE COMMAND CENTER 002
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 100 A

CKT (Remarks)		Circuit Description	Trip	Poles	Phase A (VA)		Phase B (VA)		Phase C (VA)		Poles	Trip	Circuit Description	CKT (Remarks)	
1	EX	EXISTING CIRCUIT	**15 A**	**1**	0	0					**1**	**20 A**	EXISTING UNIT HEATER CIRCUIT	EX	2
3	EX	EXISTING CIRCUIT	**15 A**	**1**			0	0			**1**	**20 A**	EXISTING CIRCUIT	EX	4
5	EX	EXISTING RECEPTACLE CIRCUIT	**15 A**	**1**					0	0	**1**	**20 A**	EXISTING	EX	6
7	**N**	**FIRE COMMAND CENTER LIGHTING**	**20 A**	**1**	0	0					**2**	**25 A**	**ACCU-3**	**N**	8
9	**N**	**FIRE COMMAND CENTER RECEPTACLE(S)**	**20 A**	**1**			0	0							10
11	**N**	**SPARE**	**20 A**	**1**					0	0	**1**	**20 A**	**SPARE**	**N**	12
13		SPACE	--	1	--	0					**1**	**20 A**	**SPARE**	**N**	14
15		SPACE	--	1			--	--			1	--	SPACE		16
17		SPACE	--	1					--	--	1	--	SPACE		18
19		SPACE	--	1	--	--					1	--	SPACE		20
21		SPACE	--	1			--	--			1	--	SPACE		22
23		SPACE	--	1					--	--	1	--	SPACE		24
25		SPACE	--	1	--	--					1	--	SPACE		26
27		SPACE	--	1			--	--			1	--	SPACE		28
29		SPACE	--	1					--	--	1	--	SPACE		30
				Total Load:	0 VA		0 VA		0 VA						
				Total Amps:	0 A		0 A		0 A						

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING CIRCUIT, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0 VA	0.00%	0 VA		
Power	0 VA	0.00%	0 VA	**Total Conn. Load:**	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:
E.C. SHALL VERIFY EXISTING QUANTITY AND TYPES OF CIRCUIT BREAKERS TO BE TRANSFERRED TO THE NEW PANELBOARD INDICATED PRIOR TO THE START OF WORK. BOLD LINEWEIGHT INDICATES NEW. LIGHTER LINEWEIGHT INDICATES EXISTING CIRCUIT TO BE RECONNECTED.

UPDATED PANEL LOAD

LOAD	EX. HP	NEW HP	ADDED HP	ADDED KVA	REMOVED KVA
FCC LTG	-	-	-	.024	-
FCC PWR	-	-	-	.36	-
ACCU-3	-	-	-	3.5	-

TOTAL ADDED @ 208V 3PH: +3.88 KVA

Branch Panel: LC-T

Location: SERVER CLOSET 109
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Single Phase
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 50 A
MCB Rating: 50 A

CKT (Remarks)		Circuit Description	Trip	Poles	Phase L1 (VA)		Phase L2 (VA)		Poles	Trip	Circuit Description	CKT (Remarks)	
1	EX	OFFICE RECEPTACLES	**20 A**	**1**	1,080	500			**1**	**20 A**	MINI FRIDGE	EX	2
3	EX	OFFICE RECEPTACLES	**20 A**	**1**			540	1,000	**1**	**20 A**	MICROWAVE	EX	4
5	EX	PASSAGE/RESTROOM RECEPTACLES	**20 A**	**1**	720	500			**1**	**20 A**	PRINTER	EX	6
7	**N**	**SERVER CLOSET RECEPTACLES**	**20 A**	**1**			720	492	**1**	**25 A**	**EF-2**	**N**	8
9	**ML**	OFFICE AREA LIGHTING	**20 A**	**1**	271	1,040			**2**	**25 A**	**ACCU-2**	**N**	10
11	**N**	**SPARE**	**20 A**	**1**			0	1,040					12
13		SPACE	--	1	--	--			1	--	SPACE		14
15		SPACE	--	1			--	--	1	--	SPACE		16
				Total Load:	4111 VA		3792 VA						
				Total Amps:	39 A		36 A						

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING CIRCUIT, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2572 VA	100.00%	2572 VA		
Lighting	271 VA	125.00%	339 VA	**Total Conn. Load:**	7903 VA
Receptacle	5060 VA	100.00%	5060 VA	**Total Est. Demand:**	7971 VA
				Total Conn. Current:	38 A
				Total Est. Demand Current:	38 A

Notes:
E.C. SHALL VERIFY EXISTING QUANTITY AND TYPES OF CIRCUIT BREAKERS TO BE TRANSFERRED TO THE NEW PANELBOARD INDICATED PRIOR TO THE START OF WORK. BOLD LINEWEIGHT INDICATES NEW. LIGHTER LINEWEIGHT INDICATES EXISTING CIRCUIT TO BE RECONNECTED. PANELBOARD CIRCUITING FOR REFERENCE ONLY.

UPDATED PANEL LOAD

LOAD	EX. HP	NEW HP	ADDED HP	ADDED KVA	REMOVED KVA
SERV CLST LTG	-	-	-	.025	-
SERV CLST REC	-	-	-	.72	-
EF-2	-	-	-	.49	-
ACCU-2	-	-	-	2.1	-

TOTAL ADDED @ 208V 3PH: +3.34 KVA

Branch Panel: LC-U1

Location: SOCIAL WORKER OFFICE 116
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Single Phase
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 30 A
MCB Rating: 30 A

CKT (Remarks)		Circuit Description	Trip	Poles	Phase A (VA)		Phase B (VA)		Poles	Trip	Circuit Description	CKT (Remarks)	
1	EX	A/C RECEPTACLE	**20 A**	**1**	0	0			**1**	**20 A**	LOWER SECTION RECEPTACLES	EX	2
3	EX	TOP SECTION RECEPTACLES	**20 A**	**1**			0	0	**1**	**20 A**	LIGHTING	**ML**	4
5	EX	CONF ROOM RECEPTACLES	**15 A**	**1**	0	0			**1**	**15 A**	**SPARE**	**N**	6
7		SPACE	--	1			--	--	1	--	SPACE		8
9		SPACE	--	1	--	--			1	--	SPACE		10
11		SPACE	--	1			--	--	1	--	SPACE		12
13		SPACE	--	1	--	--			1	--	SPACE		14
15		SPACE	--	1			--	--	1	--	SPACE		16
				Total Load:	0 VA		0 VA						
				Total Amps:	0 A		0 A						

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING CIRCUIT, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0 VA	0.00%	0 VA		
Power	0 VA	0.00%	0 VA	**Total Conn. Load:**	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:
E.C. SHALL VERIFY EXISTING QUANTITY AND TYPES OF CIRCUIT BREAKERS TO BE TRANSFERRED TO THE NEW PANELBOARD INDICATED PRIOR TO THE START OF WORK. BOLD LINEWEIGHT INDICATES NEW. LIGHTER LINEWEIGHT INDICATES EXISTING CIRCUIT TO BE RECONNECTED. PANELBOARD CIRCUITING FOR REFERENCE ONLY.

Branch Panel: LC-U4

Location: LAUNDRY 403
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Single Phase
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 100 A

CKT (Remarks)		Circuit Description	Trip	Poles	Phase L1 (VA)		Phase L2 (VA)		Poles	Trip	Circuit Description	CKT (Remarks)	
1	EX	DRYER OUTLET 4TH FLOOR	**20 A**	**2**	0	0			**1**	**20 A**	4TH FLOOR WASHER	EX	2
3							0	0	**1**	**20 A**	4TH FLOOR WASHER	EX	4
5	EX	DRYER OUTLET 5TH FLOOR	**20 A**	**2**	0	0			**1**	**20 A**	5TH FLOOR WASHER	EX	6
7							0	0	**1**	**20 A**	5TH FLOOR WASHER	EX	8
9	**ML**	LIGHTING	**20 A**	**1**	0	0			**1**	**20 A**	**SPARE**	**N**	10
11		SPACE	--	1			--	--	1	--	SPACE		12
13		SPACE	--	1	--	--			1	--	SPACE		14
15		SPACE	--	1			--	--	1	--	SPACE		16
				Total Load:	0 VA		0 VA						
				Total Amps:	0 A		0 A						

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING BREAKER, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0 VA	0.00%	0 VA		
Power	0 VA	0.00%	0 VA	**Total Conn. Load:**	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:
E.C. SHALL VERIFY EXISTING QUANTITY AND TYPES OF CIRCUIT BREAKERS TO BE TRANSFERRED TO THE NEW PANELBOARD INDICATED PRIOR TO THE START OF WORK. BOLD LINEWEIGHT INDICATES NEW. LIGHTER LINEWEIGHT INDICATES EXISTING CIRCUIT TO BE RECONNECTED. PANELBOARD CIRCUITING FOR REFERENCE ONLY.

Branch Panel: LC-U7

Location: LAUNDRY 703
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Single Phase
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 100 A

CKT (Remarks)		Circuit Description	Trip	Poles	Phase L1 (VA)		Phase L2 (VA)		Poles	Trip	Circuit Description	CKT (Remarks)	
1	EX	DRYER OUTLET 7TH FLOOR	**20 A**	**2**	0	0			**1**	**20 A**	7TH FLOOR WASHER	EX	2
3							0	0	**1**	**20 A**	7TH FLOOR WASHER	EX	4
5	EX	DRYER OUTLET 8TH FLOOR	**20 A**	**2**	0	0			**1**	**20 A**	8TH FLOOR WASHER	EX	6
7							0	0	**1**	**20 A**	8TH FLOOR WASHER	EX	8
9	**ML**	LIGHTING	**20 A**	**1**	0	0			**1**	**20 A**	**SPARE**	**N**	10
11		SPACE	--	1			--	--	1	--	SPACE		12
13		SPACE	--	1	--	--			1	--	SPACE		14
15		SPACE	--	1			--	--	1	--	SPACE		16
				Total Load:	0 VA		0 VA						
				Total Amps:	0 A		0 A						

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING BREAKER, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0 VA	0.00%	0 VA		
Power	0 VA	0.00%	0 VA	**Total Conn. Load:**	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:
E.C. SHALL VERIFY EXISTING QUANTITY AND TYPES OF CIRCUIT BREAKERS TO BE TRANSFERRED TO THE NEW PANELBOARD INDICATED PRIOR TO THE START OF WORK. BOLD LINEWEIGHT INDICATES NEW. LIGHTER LINEWEIGHT INDICATES EXISTING CIRCUIT TO BE RECONNECTED. PANELBOARD CIRCUITING FOR REFERENCE ONLY.

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REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	LJL

REVISIONS

REW JOB #	07425
DESIGN BY	WCC
DRAWN BY	WCC
CHECK BY	DLW
DATE	07/18/25
SCALE	NONE

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
BUILDING PANEL SCHEDULES

DRAWING NUMBER: **E7002**

REV: **0**

7/15/2025 12:20:06 PM

Branch Panel: LP-Y

Location: KITCHENNETTE 017 | **Volts:** 120/208 Wye | **A.I.C. Rating:**
Supply From: | **Phases:** 3 | **Mains Type:** MLO
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: Type 1

CKT (Remarks)		Circuit Description	Trip	Poles	Phase A (VA)		Phase B (VA)		Phase C (VA)		Poles	Trip	Circuit Description	CKT (Remarks)	
1	E	AUTO DOOR	**20 A**	**1**	0	0					**1**	**20 A**	EXISTING	E	2
3	E	HALL OUTLET S	**20 A**	**1**			0	0			**1**	**20 A**	HALL OUTLETS	E	4
5	E	POP MACHINE	**20 A**	**2**					0	0	**1**	**20 A**	OUTLETS REC ROOM	E	6
7					0	0					**1**	**20 A**	KITCHEN OFFICE	E	8
9	E	STEAM TABLE	**20 A**	**1**			0	0			**1**	**20 A**	OUTLETS KITCHEN	E	10
11	E	OUTLETS REC RM	**20 A**	**1**					0	0	**1**	**20 A**	DISHWASHER	E	12
13	**ML**	LIGHTS KITCHEN	**20 A**	**1**	0	0					**1**	**20 A**	STEAM TABLE	E	14
15	**ML**	LIGHTS CRAWL SPACE	**20 A**	**1**			0	0			**1**	**20 A**	UNIT HTR WEST	E	16
17	**ML**	LIGHTS SITTING AREA	**20 A**	**1**					0	0	**1**	**20 A**	UNIT HTR SOUTH	E	18
19	E	OUTSIDE GFCI	**20 A**	**1**	0	0					**1**	**20 A**	POLE LIGHTS REAR	**ML**	20
21	E	EXISTING	**20 A**	**1**			0	0			**1**	**20 A**	LIGHTS REC ROOM	**ML**	22
23	**ML**	LIGHTS REC ROOM	**20 A**	**1**					0	0	**1**	**20 A**	EXISTING	E	24
25					0	0					**1**	**20 A**	LIGHTS OFFICE	**ML**	26
27	**ML**	VENT UNIT (MAU-1)	**20 A**	**3**			0	0			**1**	**20 A**	SPARE	E	28
29									0	0	**1**	**20 A**	STEAM TABLE	E	30
31	**N**	**SPARE**	**20 A**	**1**	0	0					**1**	**20 A**	**SPARE**	**N**	32
33	**N**	**SPARE**	**20 A**	**1**			0	528			**1**	**15 A**	**EF-1**	**N**	34
35		SPACE	--	1					--	--	1	--	SPACE		36
37		SPACE	--	1	--	--					1	--	SPACE		38
39		SPACE	--	1			--	--			1	--	SPACE		40
41		SPACE	--	1					--	--	1	--	SPACE		42
				Total Load:	0 VA		528 VA		0 VA						
				Total Amps:	0 A		4 A		0 A						

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING BREAKER, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	528 VA	100.00%	528 VA		
Lighting	0 VA	0.00%	0 VA	**Total Conn. Load:**	528 VA
Power	0 VA	0.00%	0 VA	**Total Est. Demand:**	528 VA
				Total Conn. Current:	1 A
				Total Est. Demand Current:	1 A

Notes:
E.C. SHALL VERIFY EXISTING QUANTITY AND TYPES OF CIRCUIT BREAKERS TO BE TRANSFERRED TO THE NEW PANELBOARD INDICATED PRIOR TO THE START OF WORK. BOLD LINEWEIGHT INDICATES NEW. LIGHTER LINEWEIGHT INDICATES EXISTING CIRCUIT TO BE RECONNECTED.

UPDATED PANEL LOAD

LOAD	EX. HP	NEW HP	ADDED HP	ADDED KVA	REMOVED KVA
MAU-1	1	1 1/2	1/2	.72	-

TOTAL ADDED @ 208V 3PH: +0.72 KVA

Branch Panel: DP-W

Location: ELECTRICAL EQUIPMENT ROOM 025 | **Volts:** 120/208 Wye | **A.I.C. Rating:**
Supply From: | **Phases:** 3 | **Mains Type:** MLO
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 600 A
Enclosure: Type 1

CKT (Remarks)		Circuit Description	Trip	Poles	Phase A (VA)		Phase B (VA)		Phase C (VA)		Poles	Trip	Circuit Description	CKT (Remarks)	
1					0	0									2
3	**ML**	A/C GROUND FLOOR (AHU-1)	**30 A**	**3**			0	0			**3**	**125 A**	LC-Y	EX	4
5									0	0					6
7	EX	APARTMENT UNIT PANELS	**150 A**	**2**	0	0					**2**	**150 A**	APARTMENT UNIT PANELS	EX	8
9							0	0							10
11	EX	APARTMENT UNIT PANELS	**125 A**	**2**					0	0	**2**	**125 A**	APARTMENT UNIT PANELS	EX	12
13					0	0									14
15	EX	APARTMENT UNIT PANELS	**125 A**	**2**			0	0			**2**	**125 A**	APARTMENT UNIT PANELS	EX	16
17									0	0					18
19	EX	APARTMENT UNIT PANELS	**125 A**	**2**	0	0					**1**	**20 A**	BATTERY HEATER	EX	20
21							0	0			**1**	**20 A**	BATTERY CHARGER	EX	22
23		SPACE	--	1					--	--	1	--	SPACE		24
25		SPACE	--	1	--	--					1	--	SPACE		26
27		SPACE	--	1			--	--			1	--	SPACE		28
29		SPACE	--	1					--	--	1	--	SPACE		30
				Total Load:	0 VA		0 VA		0 VA						
				Total Amps:	0 A		0 A		0 A						

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING BREAKER, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	0 VA	0.00%	0 VA		
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:
E.C. SHALL VERIFY EXISTING QUANTITY AND TYPES OF CIRCUIT BREAKERS TO BE TRANSFERRED TO THE NEW PANELBOARD INDICATED PRIOR TO THE START OF WORK. BOLD LINEWEIGHT INDICATES NEW. LIGHTER LINEWEIGHT INDICATES EXISTING CIRCUIT TO BE RECONNECTED. PANELBOARD CIRCUITING FOR REFERENCE ONLY. IN THE EVENT THAT THE EXISTING OUTDOOR ACCU IS FED FROM THIS PANEL (EXISTING 250A 3P CIRCUIT), E.C. SHALL PROVIDE A NEW 70A 3P CIRCUIT BREAKER FOR NEW ACCU-1.

UPDATED PANEL LOAD

LOAD	EX. HP	NEW HP	ADDED HP	ADDED KVA	REMOVED KVA
AHU-1	-	-	-	-	24.3

TOTAL REMOVED @ 208V 3PH: -24.3 KVA

Branch Panel: LC-Z

Location: MECHANICAL EQUIPMENT ROOM 003 | **Volts:** 120/208 Wye | **A.I.C. Rating:**
Supply From: | **Phases:** 3 | **Mains Type:** MLO
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: Type 1

CKT (Remarks)		Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT (Remarks)	
1	EX	EXISTING	**15 A**	**1**	0	0					**1**	**20 A**	EXISTING	EX	2
3							0	0							4
5	**ML**	**HHWP-1, HHWP-2, HHWP-3**	**35 A**	**3**					0	0	**3**	**60 A**	**HHWP-4**	**ML**	6
7					0	0									8
9							0	0							10
11	**ML**	LC-AA	**60 A**	**3**					0	0	**3**	**20 A**	EXISTING	EX	12
13					0	0									14
15							0	0							16
17	EX	EXISTING	**20 A**	**3**					0	0	**3**	**15 A**	EXISTING	EX	18
19					0	0									20
21	EX	EXISTING	**30 A**	**2**			0	0			**1**	**20 A**	EXISTING	EX	22
23									0	0	**1**	**20 A**	EXISTING	EX	24
25	EX	EXISTING	**20 A**	**2**	0	0					**1**	**20 A**	EXISTING	EX	26
27							0	0			**1**	**20 A**	EXISTING	EX	28
29	EX	EXISTING	**20 A**	**1**					0	0	**1**	**20 A**	EXISTING	EX	30
31	EX	EXISTING	**20 A**	**1**	0	0					**1**	**20 A**	EXISTING	EX	32
33	EX	EXISTING	**20 A**	**1**			0	0			**1**	**20 A**	EXISTING	EX	34
35	EX	EXISTING	**20 A**	**1**					0	0	**1**	**20 A**	EXISTING	EX	36
37	EX	EXISTING	**20 A**	**1**	0	0					**1**	**20 A**	EXISTING	EX	38
39	EX	EXISTING	**20 A**	**1**			0	0			**1**	**20 A**	EXISTING	EX	40
41	EX	EXISTING	**20 A**	**1**					0	0					42
43	**ML**	**BOILER, B-1**	**20 A**	**1**	0	0					**3**	**60 A**	**HHWP-5**	**N**	44
45	**ML**	**BOILER, B-2**	**20 A**	**1**			0	0							46
47	**ML**	**BOILER, B-3**	**20 A**	**1**					0	0	**1**	**20 A**	**GMU-1**	**N**	48
49	EX	GWH-1	**20 A**	**1**	0	0					**1**	**20 A**	SP-1	EX	50
51	**N**	**HHWP-6**	**20 A**	**2**			0	0			**1**	**20 A**	**SPARE**	N	52
53									0	0	**1**	**20 A**	**SPARE**	N	54
55	**N**	**SPARE**	**20 A**	**1**	0	0					**1**	**20 A**	**SPARE**	N	56
57	**N**	**SPARE**	**20 A**	**1**			0	0			**1**	**20 A**	**SPARE**	N	58
59		SPACE	--	1					--	--	1	--	SPACE		60
				Total Load:	0 VA		0 VA		0 VA						
				Total Amps:	0 A		0 A		0 A						

Legend:
[EX] = EXISTING LOAD TO REMAIN, [ML] = MODIFIED LOAD ON EXISTING BREAKER, [RL] = RELOCATED LOAD, [RM] = REMOVE UNUSED BREAKER, [N] = NEW BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	0 VA	0.00%	0 VA		
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Notes:
E.C. SHALL VERIFY EXISTING QUANTITY AND TYPES OF CIRCUIT BREAKERS TO BE TRANSFERRED TO THE NEW PANELBOARD INDICATED PRIOR TO THE START OF WORK. BOLD LINEWEIGHT INDICATES NEW. LIGHTER LINEWEIGHT INDICATES EXISTING CIRCUIT TO BE RECONNECTED. PANELBOARD CIRCUITING FOR REFERENCE ONLY. LC-Z IS THE ASSUMED SOURCE FOR SUMP PUMP SP-1 AND GAS WATER HEATER GWH-1. FIELD IDENTIFY WHICH CIRCUIT FEEDS THIS EQUIPMENT AND AND RECONNECT TO NEW PANELBOARD IN SAME SPACE. ELECTRICAL LOAD FOR SP-1 AND GWH-1 DOES NOT INCREASE.

LOAD	EX. HP	NEW HP	ADDED HP	ADDED KVA	REMOVED KVA
HHWP-4	3/4	10	9 1/4	2.3	-
HHWP-5	3/4	10	9 1/4	2.3	-
HHWP-6	-	1	1	1.8	-
GMU-1	-	-	-	.83	-

TOTAL ADDED @ 208V 3PH: +7.23 KVA

BUILDING ELECTRICAL SERVICE LOAD SUMMARY:

LOAD DISCRIPTION	HP	FLA	VOLTS/PHASE	KVA	SOURCE	LOAD INCREASE	LOAD DECREASE
HHWP-1	1.5	6.6	208/3	2.4	LC-Z		1.6KVA
HHWP-2	1.5	6.6	208/3	2.4	LC-Z		1.6KVA
HHWP-3	1.5	6.6	208/3	2.4	LC-Z		1.6KVA
HHWP-4	3/4	10	208/3	3.6	LC-Z	2.3KVA	
HHWP-5	3/4	10	208/3	3.6	LC-Z	2.3KVA	
HHWP-6	1	8.8	208/1	1.8	LC-Z	1.8KVA	
AHU-1		25.5	208/3	9.2	DP-W		24.3KVA
MAU-1	11/2		208/3	.72	LC-Y	.72KVA	
GMU-1		2.5	115/1	.83	LC-Z	.83KVA	
ACCU-1		56	208/3	20.2			3.1KVA
ACCU-2		10	208/1	2.1	LC-T	2.1KVA	
ACCU-3		17	208/1	3.5	LC-AA	3.5KVA	
EF-2		4.1	115/1	.49	LC-T	.49KVA	
FCC LTG			120/1	.024	LC-AA	.024KVA	
FCC PWR			120/1	.36	LC-AA	.36KVA	
SERV CLST LTG			120/1	.02	LC-T	.02KVA	
SERV CLST REC			120/1	.72	LC-T	.72KVA	
TOTALS:						15.2KVA	32.2KVA
AMPS @ 208V 3PH:						-47.2A	

NOTE:

1. THE BUILDING TOTAL LOAD DECREASES WITH THE REPLACEMENT OF MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT. ALL BUILDING AND APARTMENT UNIT LIGHTING IS TO BE REPLACED WITH LED WHICH WILL FURTHER DECREASE THE TOTAL BUILDING LOAD. THE EXISTING ELECTRICAL SERVICE (2000A) IS SUFFICIENT AND SHALL REMAIN.

NOT FOR CONSTRUCTION

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North Olmsted, OH 44070

REV	DATE	DESCRIPTION	BY
0	07/18/25	BID	LJL

REVISIONS

REW JOB #	07425
DESIGN BY	WCC
DRAWN BY	WCC
CHECK BY	DLW
DATE	07/18/25
SCALE	NONE

CMHA
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
BUILDING PANEL SCHEDULES

DRAWING NUMBER: **E7003**
REV: **0**

7/15/2025 12:20:07 PM

KEYNOTES	
#	DESCRIPTION
D5	EXISTING POLE LIGHTS TO BE REMOVED AND REPLACED WITH NEW LED FIXTURES. EXISTING POLE TO REMAIN. SEE SITE ELECTRICAL PLAN, SHEET E0004.

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N

SITE ELECTRICAL DEMOLITION PLAN

SCALE: 1/16" = 1'-0"

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DATE	07/18/25
SCALE	NONE

CMHA

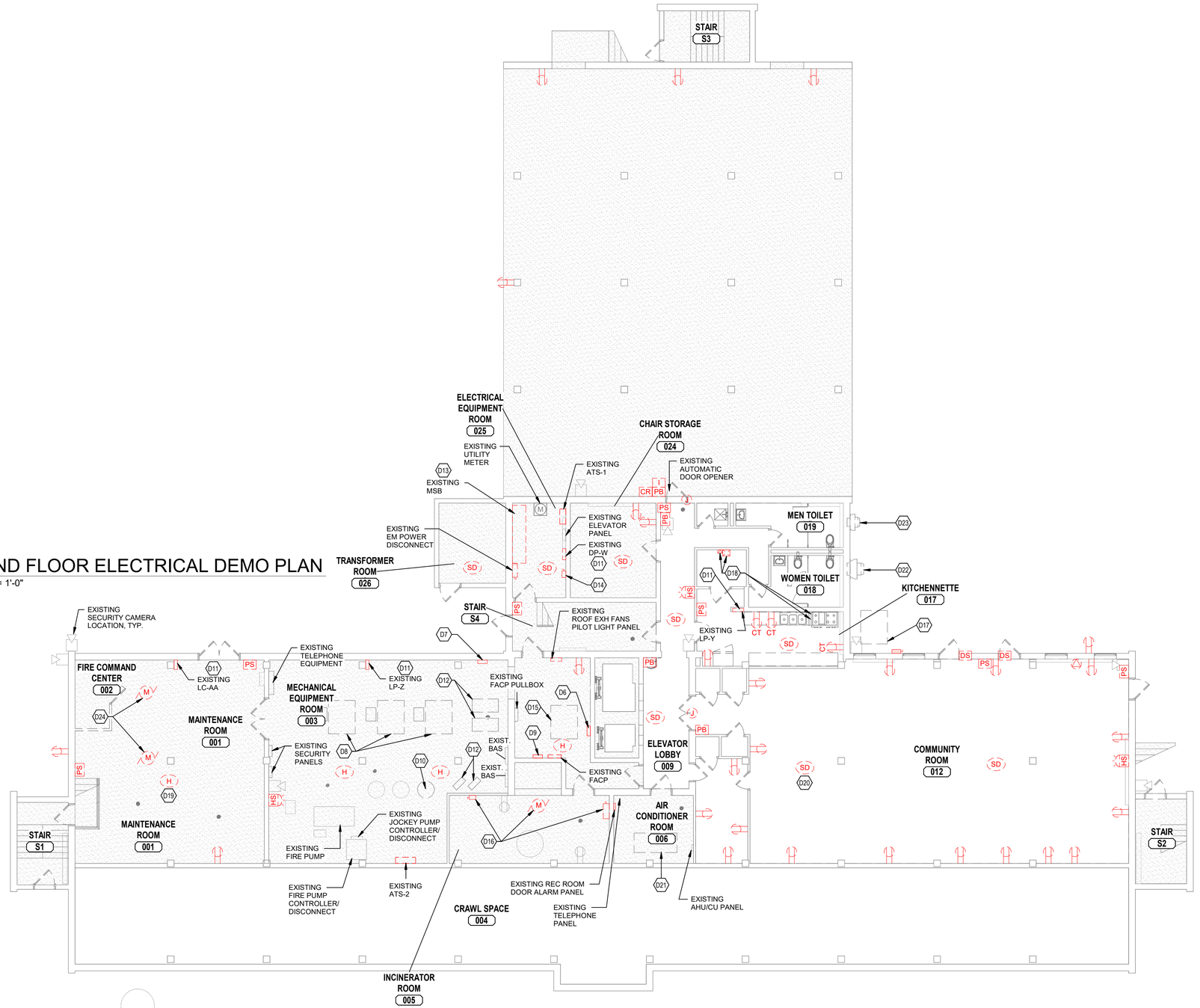
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601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
SITE ELECTRICAL DEMOLITION PLAN

DRAWING NUMBER: **ED0004**

REV: **0**

7/15/2025 12:20:08 PM



N

GROUND FLOOR ELECTRICAL DEMO PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES TO BE DEMOLISHED WILL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED. SEE SHEET E1001, FOR GROUND FLOOR POWER PLAN.
2. EXISTING ELECTRICAL EQUIPMENT NOT BEING DEMOLISHED SHALL REMAIN IN PLACE. ISOLATE AND MAINTAIN EXISTING CIRCUITS, UNLESS OTHERWISE NOTED.

KEYNOTES

#	DESCRIPTION
D6	EXISTING EMERGENCY SERVICES RADIO PANEL AND EQUIPMENT SHALL BE RELOCATED TO NEW FIRE COMMAND CENTER ROOM. SEE FIRST FLOOR POWER PLAN, SHEET E1002.
D7	EXISTING GENERATOR ANNUNCIATOR PANEL SHALL BE REPLACED AND RELOCATED TO NEW FIRE COMMAND CENTER ROOM. SEE FIRST FLOOR POWER PLAN, SHEET E1002.
D8	EXISTING BOILERS SHALL BE REMOVED AND REPLACED. SEE OVERALL GROUND FLOOR HVAC DEMOLITION PLAN, SHEET MD1001 FOR ADDITIONAL INFORMATION. REFER TO NEW ELECTRICAL AND MECHANICAL PLANS.
D9	EXISTING FIRE CONTROL/COMMUNICATOR SHALL BE REMOVED AND REPLACED. INSTALLATION LOCATION SHALL BE IN THE NEW FIRE COMMAND CENTER ROOM. SEE FIRST FLOOR POWER PLAN, SHEET E1002.
D10	REMOVE AND REPLACE EXISTING WATER HEATER. SEE PLUMBING DEMOLITION GROUND PLAN, SHEET PD1001 FOR ADDITIONAL INFORMATION. REFER TO NEW ELECTRICAL AND PLUMBING PLANS.
D11	REMOVE AND REPLACE EXISTING PANELBOARD IN SAME LOCATION. NEW PANELBOARD SHALL MATCH EXISTING RATINGS. REFER TO GROUND FLOOR POWER PLAN, SHEET E1001. SEE PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.
D12	REMOVE HEATING WATER PUMPS AND ASSOCIATED STARTERS/DISCONNECTS. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
D13	CONTRACTOR TO REMOVE EXISTING SWITCHBOARD. PROTECT EXISTING BUS DUCT AS WELL AS ALL OTHER EXISTING FEEDERS/CONDUITS AND PREPARE FOR RECONNECTION TO NEW MAIN SWITCHBOARD. NEW SWITCHBOARD AND CIRCUIT BREAKERS TO MATCH EXISTING RATINGS, UNO. REFER TO GROUND FLOOR POWER PLAN, E1001. SEE UPDATED SINGLE LINE DIAGRAM, SHEET E6001 FOR ADDITIONAL INFORMATION.
D14	REMOVE EXISTING FUSIBLE DISCONNECT SWITCH ALONG WITH WIRE AND CONDUIT BACK TO SOURCE. SEE SINGLE LINE DIAGRAM I, SHEET E6001 FOR ADDITIONAL INFORMATION.
D15	REMOVE AND REPLACE EXISTING MAKE UP AIR UNIT. SEE OVERALL GROUND FLOOR HVAC DEMOLITION PLAN, SHEET MD1001 FOR ADDITIONAL INFORMATION. REFER TO NEW ELECTRICAL AND MECHANICAL PLANS.
D16	EXISTING TRASH COMPACTOR TO BE ABANDONED IN PLACE ALONG WITH ASSOCIATED DISCONNECT, STARTER AND CONTROLS.
D17	EXISTING AIR CONDENSING UNIT SHALL BE REMOVED AND REPLACED. SEE OVERALL GROUND FLOOR HVAC DEMOLITION PLAN, SHEET MD1001 FOR ADDITIONAL INFORMATION. REFER TO NEW ELECTRICAL AND MECHANICAL PLANS.
D18	DEMOLISH EXISTING RANGE, HOOD AND ANSUL SYSTEM. REMOVE HOOD/EXHAUST STARTER, CONTACTOR AND HOA. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
D19	REMOVE EXISTING HEAT DETECTOR. SEE GROUND FLOOR POWER PLAN, SHEET E1001 FOR FIRE ALARM DEVICES ADDED TO MAINTENANCE ROOM.
D20	SMOKE DETECTORS IN REC ROOM SHALL BE REMOVED AND REPLACED/RELOCATED. ADDITIONAL FIXTURES AS REQUIRED. SEE GROUND FLOOR POWER PLAN, SHEET E1001.
D21	EXISTING AIR HANDLING UNIT TO BE REMOVED AND REPLACED. SEE OVERALL GROUND FLOOR HVAC DEMOLITION PLAN, SHEET MD1001 FOR ADDITIONAL INFORMATION. REFER TO NEW ELECTRICAL AND MECHANICAL PLANS.
D22	EXISTING KITCHEN EXHAUST FAN TO BE REMOVED. SEE OVERALL GROUND FLOOR HVAC DEMOLITION PLAN, SHEET MD1001 FOR ADDITIONAL INFORMATION. REFER TO NEW ELECTRICAL AND MECHANICAL PLANS.
D23	EXISTING RESTROOMS EXHAUST FAN TO BE REMOVED AND REPLACED. SEE OVERALL GROUND FLOOR HVAC DEMOLITION PLAN, SHEET MD1001 FOR ADDITIONAL INFORMATION. REFER TO NEW ELECTRICAL AND MECHANICAL PLANS.
D24	EC TO COORDINATE WITH MC TO REMOVE CONDENSING UNIT POWER BACK TO SOURCE.

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REW JOB #	07425
DESIGN BY	WCC
DRAWN BY	KMM
CHECK BY	DLW
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
GROUND FLOOR ELECTRICAL DEMOLITION PLAN - POWER

DRAWING NUMBER: **ED1001**

REV: **0**

7/16/2025 10:10:13 AM

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES TO BE DEMOLISHED WILL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED. SEE SHEET E1001, FOR GROUND FLOOR POWER PLAN.
2. EXISTING ELECTRICAL EQUIPMENT NOT BEING DEMOLISHED SHALL REMAIN IN PLACE. ISOLATE AND MAINTAIN EXISTING CIRCUITS, UNLESS OTHERWISE NOTED.

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N

FIRST FLOOR ELECTRICAL DEMO PLAN

SCALE: 1/8" = 1'-0"

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DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
FIRST FLOOR ELECTRICAL DEMOLITION PLAN - POWER

DRAWING NUMBER: **ED1002**

REV: **0**

7/15/2025 12:20:21 PM

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES TO BE DEMOLISHED WILL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED. SEE SHEET E1001, FOR GROUND FLOOR POWER PLAN.
2. EXISTING ELECTRICAL EQUIPMENT NOT BEING DEMOLISHED SHALL REMAIN IN PLACE. ISOLATE AND MAINTAIN EXISTING CIRCUITS, UNLESS OTHERWISE NOTED.

NOT FOR CONSTRUCTION



N

2ND AND 3RD FLOOR ELECTRICAL DEMO PLAN

SCALE: 1/8" = 1'-0"

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North Olmsted, OH 44070

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DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
2ND AND 3RD FLOOR ELECTRICAL DEMOLITION PLAN - POWER

DRAWING NUMBER: **ED1003**

REV: **0**

7/15/2025 12:20:28 PM

GENERAL NOTES

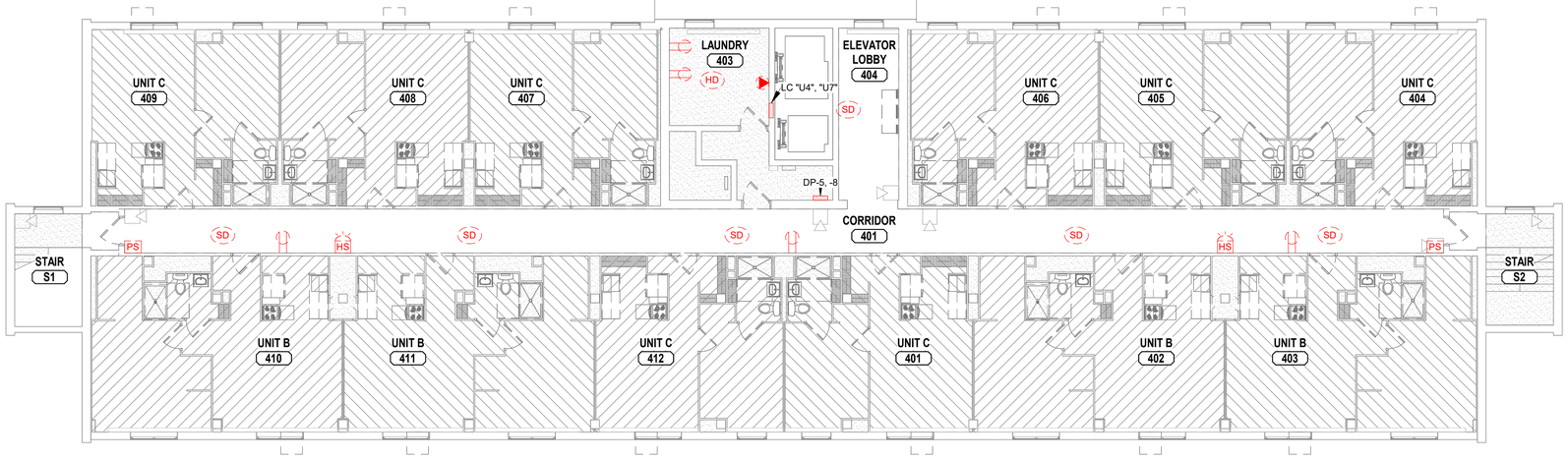
1. ELECTRICAL EQUIPMENT AND DEVICES TO BE DEMOLISHED WILL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED. SEE SHEET E1001, FOR GROUND FLOOR POWER PLAN.
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NOT FOR CONSTRUCTION

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4TH - 8TH FLOOR ELECTRICAL DEMO PLAN

SCALE: 1/8" = 1'-0"



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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
4TH - 8TH FLOOR ELECTRICAL DEMOLITION PLAN - POWER

DRAWING NUMBER: **ED1004**

REV: **0**

7/15/2025 12:20:33 PM

GENERAL NOTES

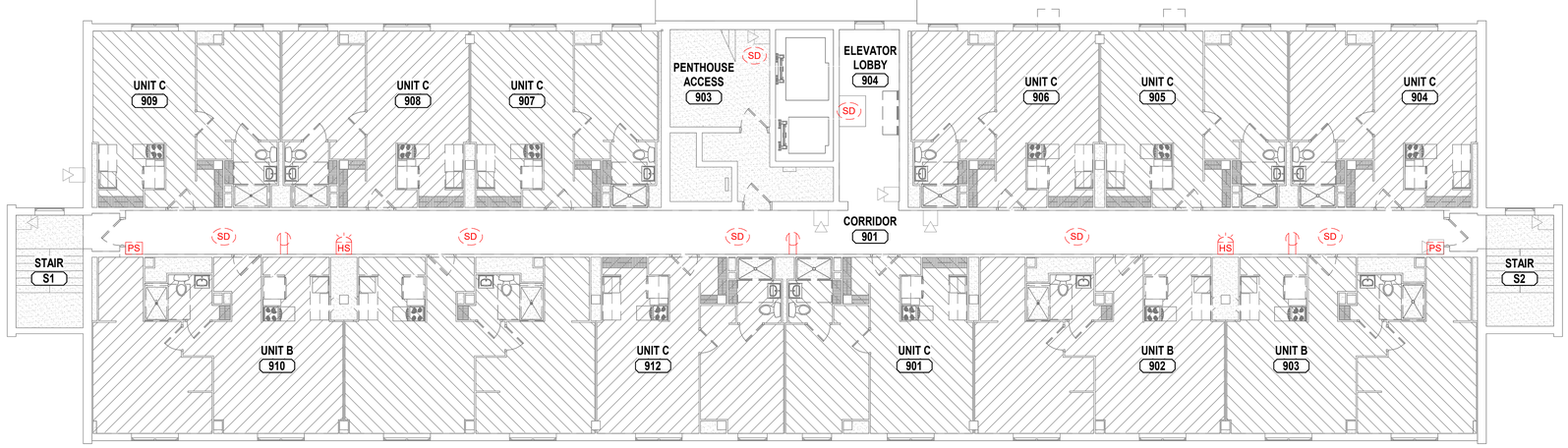
1. ELECTRICAL EQUIPMENT AND DEVICES TO BE DEMOLISHED WILL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED. SEE SHEET E1001, FOR GROUND FLOOR POWER PLAN.
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9TH FLOOR ELECTRICAL DEMO PLAN

SCALE: 1/8" = 1'-0"



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601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
9TH FLOOR ELECTRICAL DEMOLITION PLAN - POWER

DRAWING NUMBER: **ED1005**

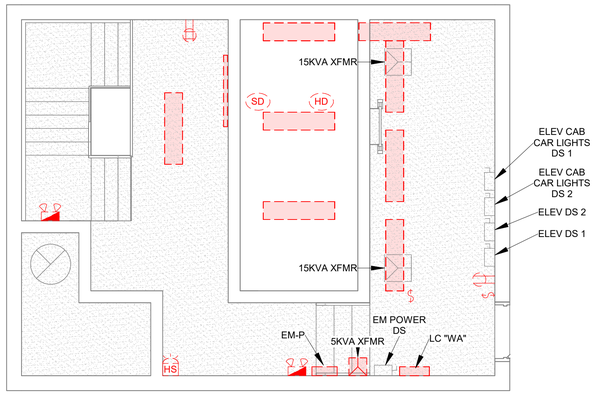
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7/15/2025 12:20:37 PM

GENERAL NOTES

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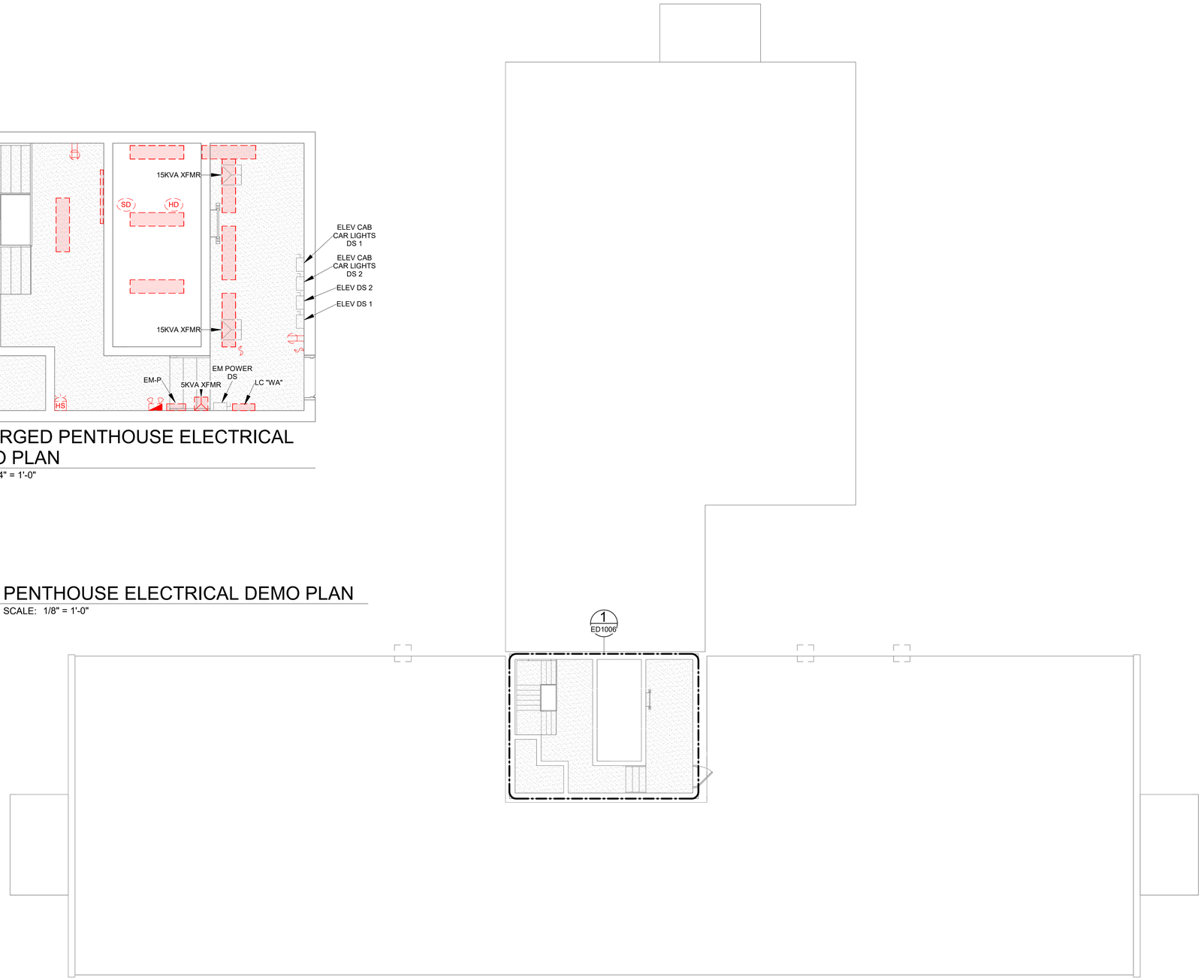
ENLARGED PENTHOUSE ELECTRICAL DEMO PLAN

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

N

PENTHOUSE ELECTRICAL DEMO PLAN

SCALE: 1/8" = 1'-0"



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CHECK BY	DLW
DATE	07/18/25
SCALE	AS NOTED

CMHA

MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
PENTHOUSE FLOOR ELECTRICAL DEMOLITION PLAN - POWER/LIGHTING

DRAWING NUMBER: **ED1006**

REV: **0**

7/15/2025 12:20:38 PM

GENERAL NOTES

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GROUND FLOOR LIGHTING DEMO PLAN

SCALE: 1/8" = 1'-0"

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SCALE	AS NOTED

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601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
GROUND FLOOR ELECTRICAL DEMOLITION PLAN - LIGHTING

DRAWING NUMBER: **ED1101**

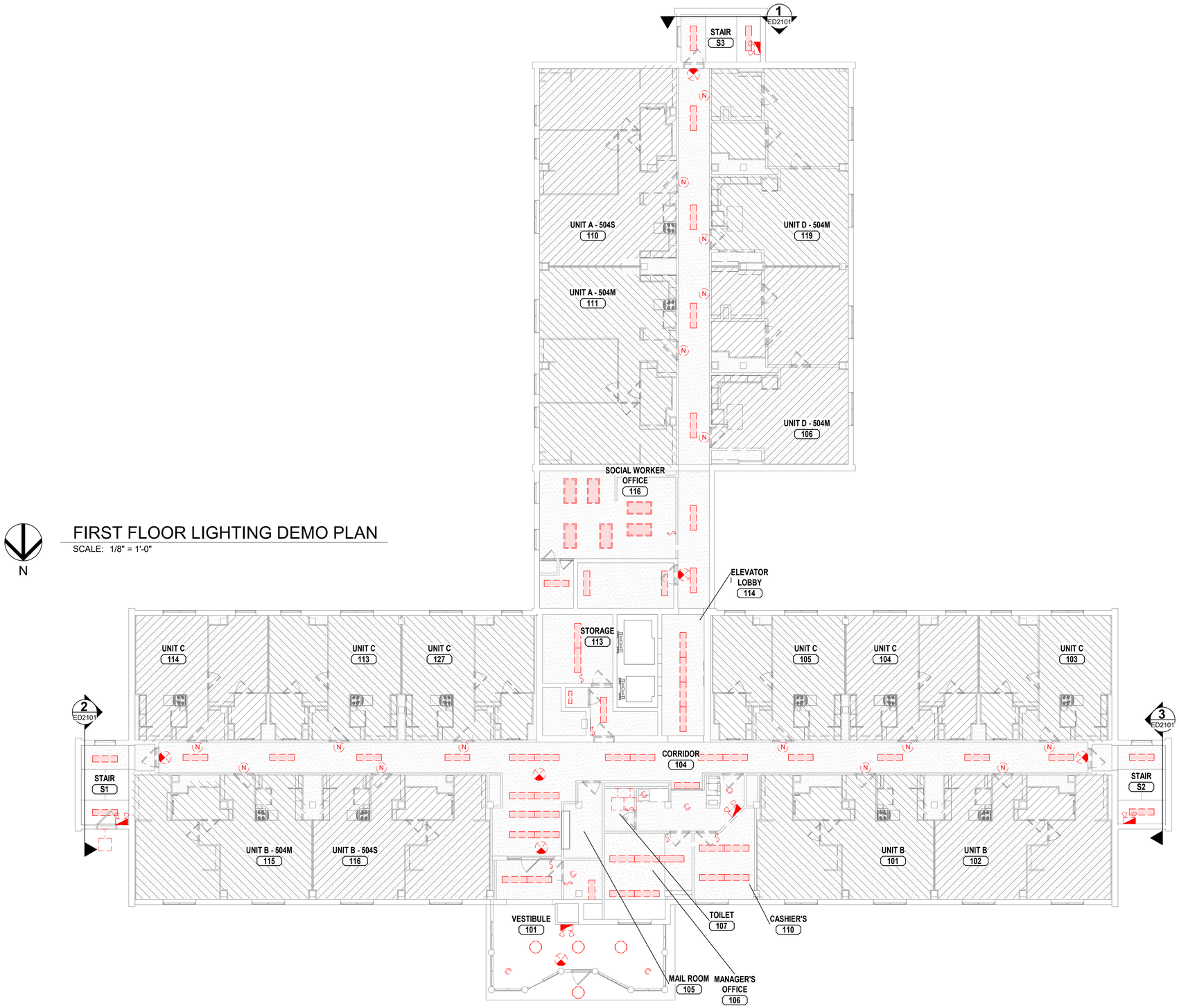
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7/16/2025 10:10:16 AM

GENERAL NOTES

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N

FIRST FLOOR LIGHTING DEMO PLAN

SCALE: 1/8" = 1'-0"

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DATE	07/18/25
SCALE	AS NOTED

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MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
FIRST FLOOR ELECTRICAL DEMOLITION PLAN - LIGHTING

DRAWING NUMBER: **ED1102**

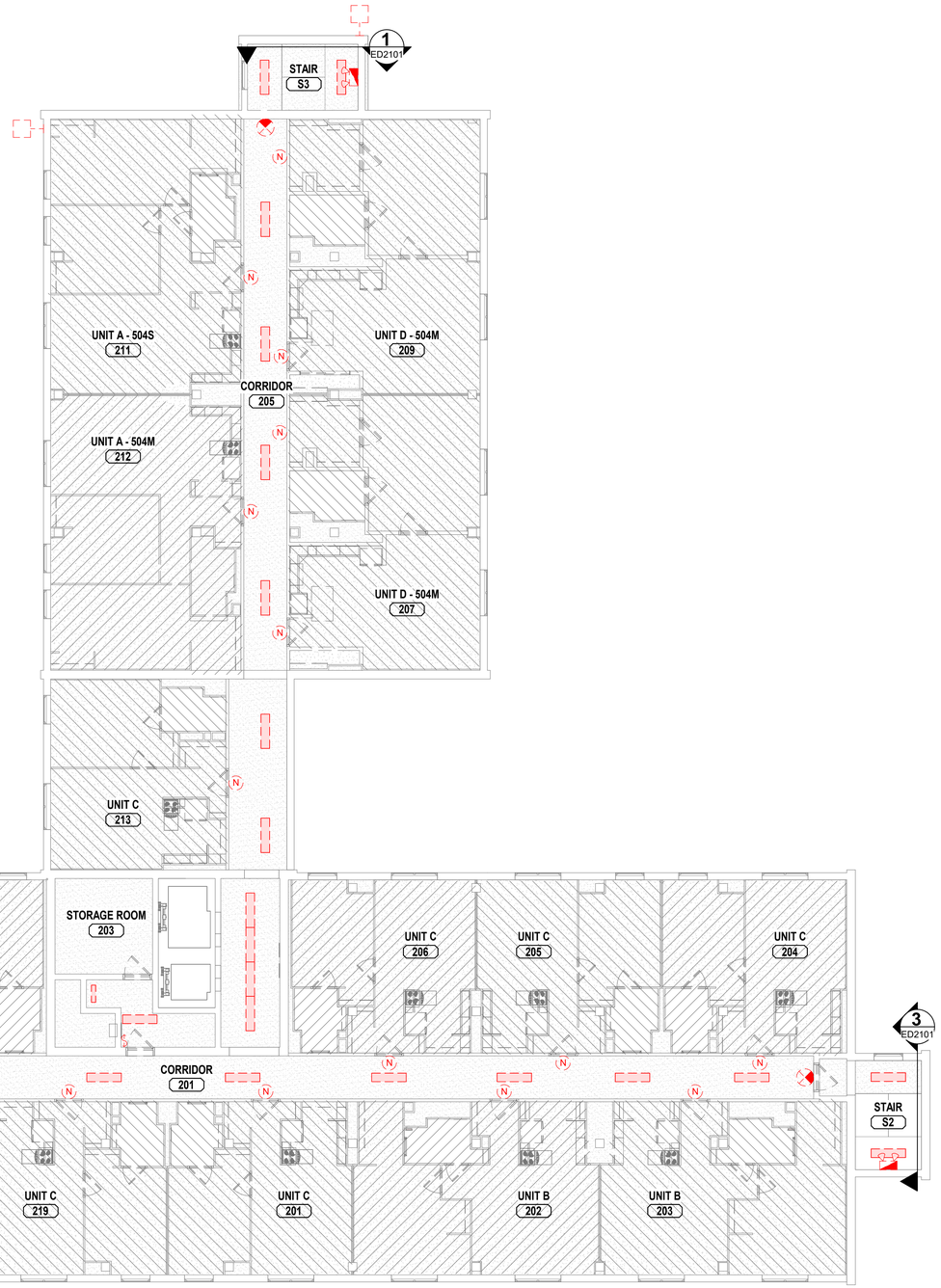
REV: **0**

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GENERAL NOTES

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N

2ND AND 3RD FLOOR ELECTRICAL DEMO PLAN

SCALE: 1/8" = 1'-0"

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601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
2ND AND 3RD FLOOR ELECTRICAL DEMOLITION PLAN - LIGHTING

DRAWING NUMBER: **ED1103**

REV: **0**

7/15/2025 12:20:43 PM

GENERAL NOTES

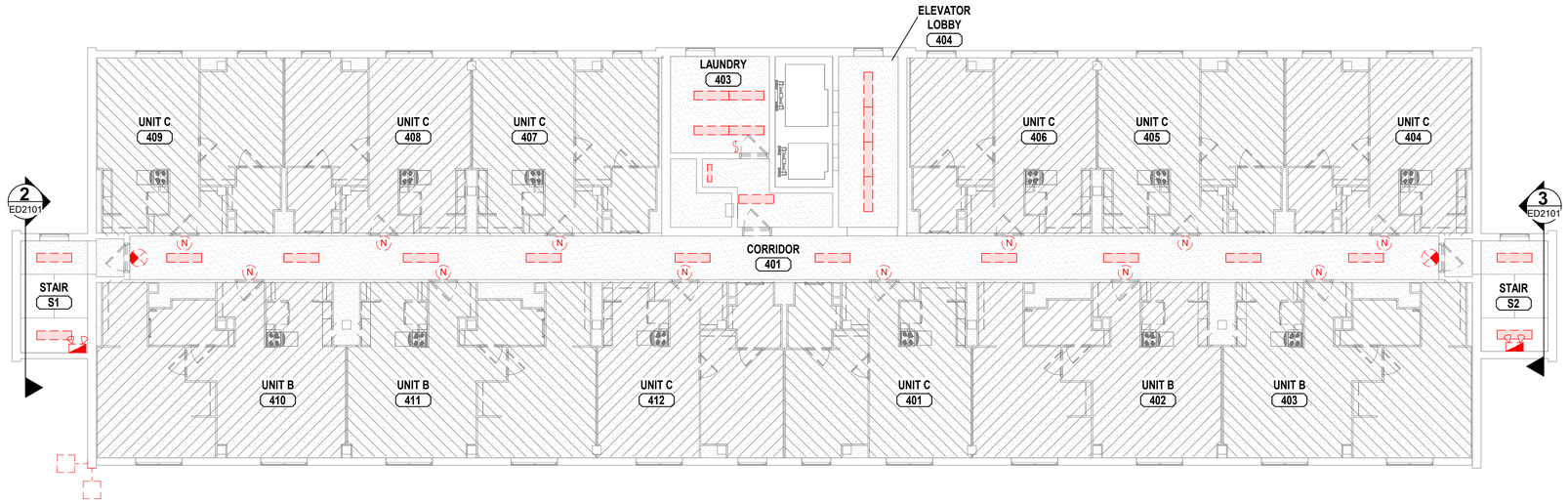
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4TH - 8TH FLOOR LIGHTING DEMO PLAN

SCALE: 1/8" = 1'-0"



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DATE	07/18/25
SCALE	AS NOTED

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601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
4TH - 8TH FLOOR ELECTRICAL DEMOLITION PLAN - LIGHTING

DRAWING NUMBER: **ED1104**

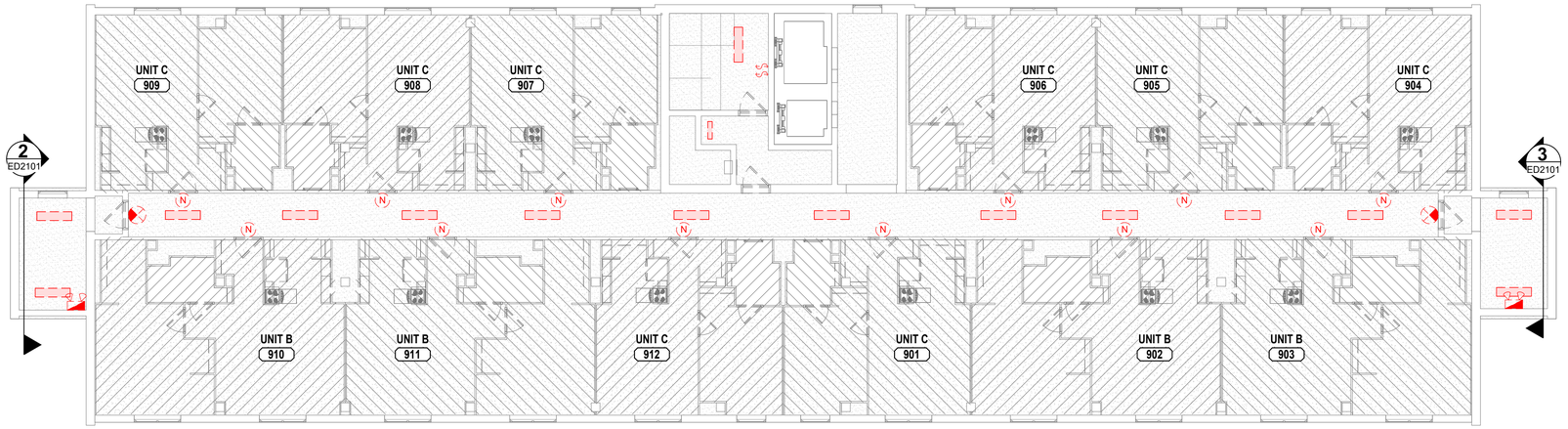
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7/15/2025 12:20:44 PM

GENERAL NOTES

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9TH FLOOR LIGHTING DEMO PLAN

SCALE: 1/8" = 1'-0"

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CHECK BY	DLW
DATE	07/18/25
SCALE	AS NOTED

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CINCINNATI, OH 45229

DRAWING TITLE:
9TH FLOOR ELECTRICAL DEMOLITION PLAN - LIGHTING

DRAWING NUMBER: **ED1105**

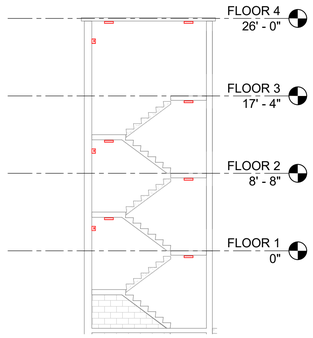
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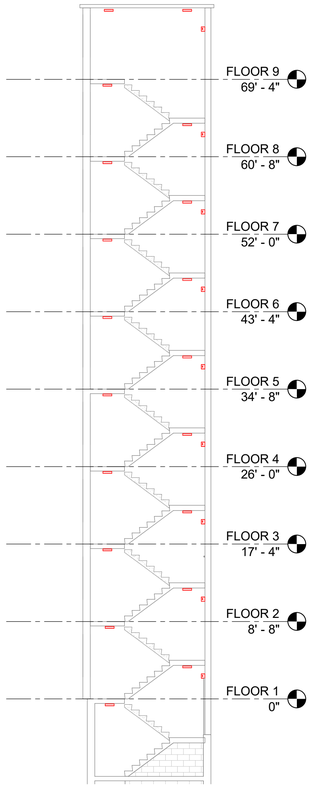
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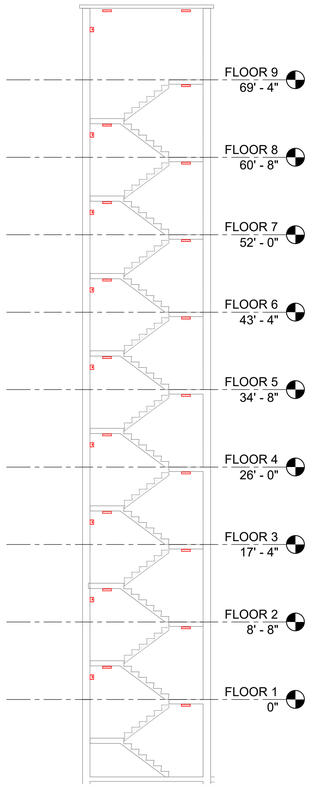
NOT FOR CONSTRUCTION



1 ED1101 SOUTH STAIRS LIGHTING DEMO
SCALE: 1/8" = 1'-0"



2 ED1101 EAST STAIRS LIGHTING DEMO
SCALE: 1/8" = 1'-0"



3 ED1101 WEST STAIRS LIGHTING DEMO
SCALE: 1/8" = 1'-0"

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SCALE	AS NOTED

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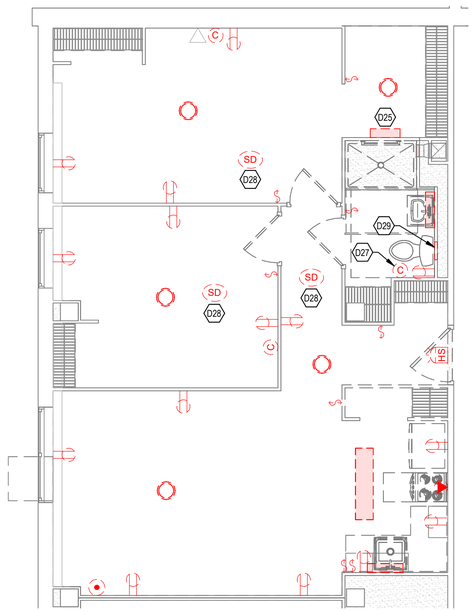
MAPLE TOWER RAD RENOVATIONS
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DRAWING TITLE:
ELECTRICAL DEMOLITION ELEVATIONS - LIGHTING

DRAWING NUMBER: **ED2101**

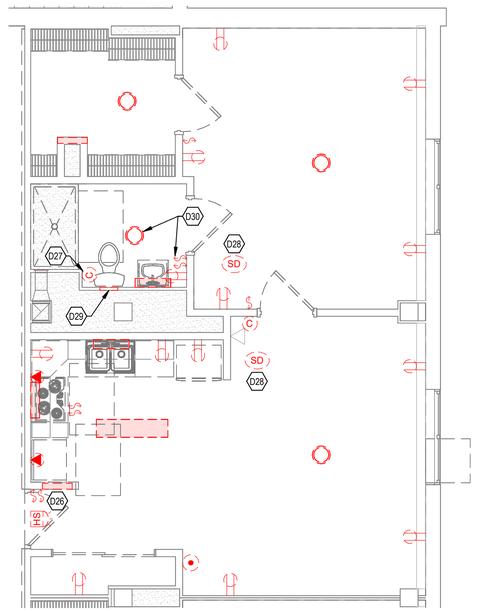
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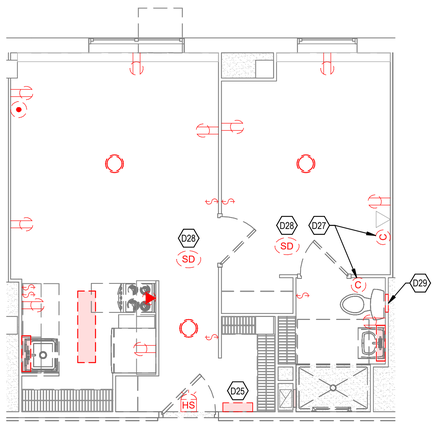
TYPICAL UNIT "A" ELECTRICAL DEMO PLAN

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



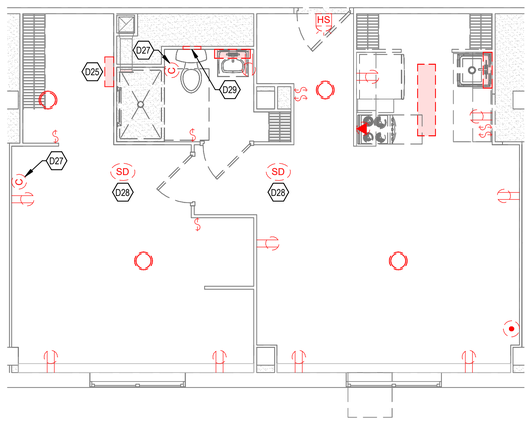
TYPICAL UNIT "D" ELECTRICAL DEMO PLAN

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



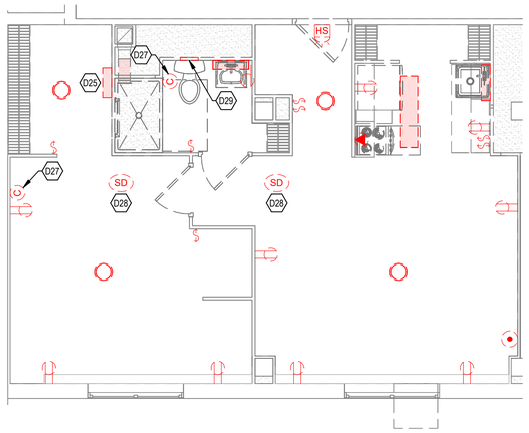
TYPICAL UNIT "C" ELECTRICAL DEMO PLAN

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



TYPICAL UNIT "B" ELECTRICAL DEMO PLAN

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



TYPICAL UNIT "B" - 504 MOBILITY/SENSORY ELECTRICAL DEMO PLAN

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

GENERAL NOTES

1. ELECTRICAL EQUIPMENT AND DEVICES TO BE DEMOLISHED WILL BE REPLACED IN KIND AT THE SAME LOCATION, UNLESS OTHERWISE NOTED. EXISTING JUNCTION BOX, WIRING AND CIRCUITING TO REMAIN, UNLESS OTHERWISE NOTED. SEE SHEET E4001, FOR GROUND FLOOR POWER PLAN.
2. EXISTING ELECTRICAL EQUIPMENT NOT BEING DEMOLISHED SHALL REMAIN IN PLACE. ISOLATE AND MAINTAIN EXISTING CIRCUITS, UNLESS OTHERWISE NOTED.

KEYNOTES

#	DESCRIPTION
D25	BREAKER PANEL SHALL BE REMOVED AND REPLACED. MAINTAIN EXISTING CIRCUITS AND RECONNECT TO NEW BREAKER PANEL.
D26	BREAKER PANEL SHALL BE REMOVED ALONG WITH WIRE AND CONDUIT BACK TO SOURCE. UNIT WILL BE REWIRED FROM NEW BREAKER PANEL LOCATED IN BEDROOM CLOSET.
D27	NURSE CALL LIGHTS TO BE REMOVED AND WIRES CAPPED. PROVIDE AND INSTALL BLANK WHITE COVER OVER BOX OPENING.
D28	PROVIDE SMOKE DETECTOR BACK TO OWNER AFTER REMOVAL.
D29	REMOVE EXISTING HEATER AND CAP WIRES. PATCH WALL AND PAINT. COORDINATE WITH ARCHITECTURAL.
D30	REMOVE EXISTING CEILING MOUNT BATHROOM LIGHT AND SWITCH. PROVIDE AND INSTALL WIRE CAPS AND WHITE BLANK COVER PLATES. COORDINATE WITH ARCHITECTURAL.

NOT FOR CONSTRUCTION

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DATE	07/18/25
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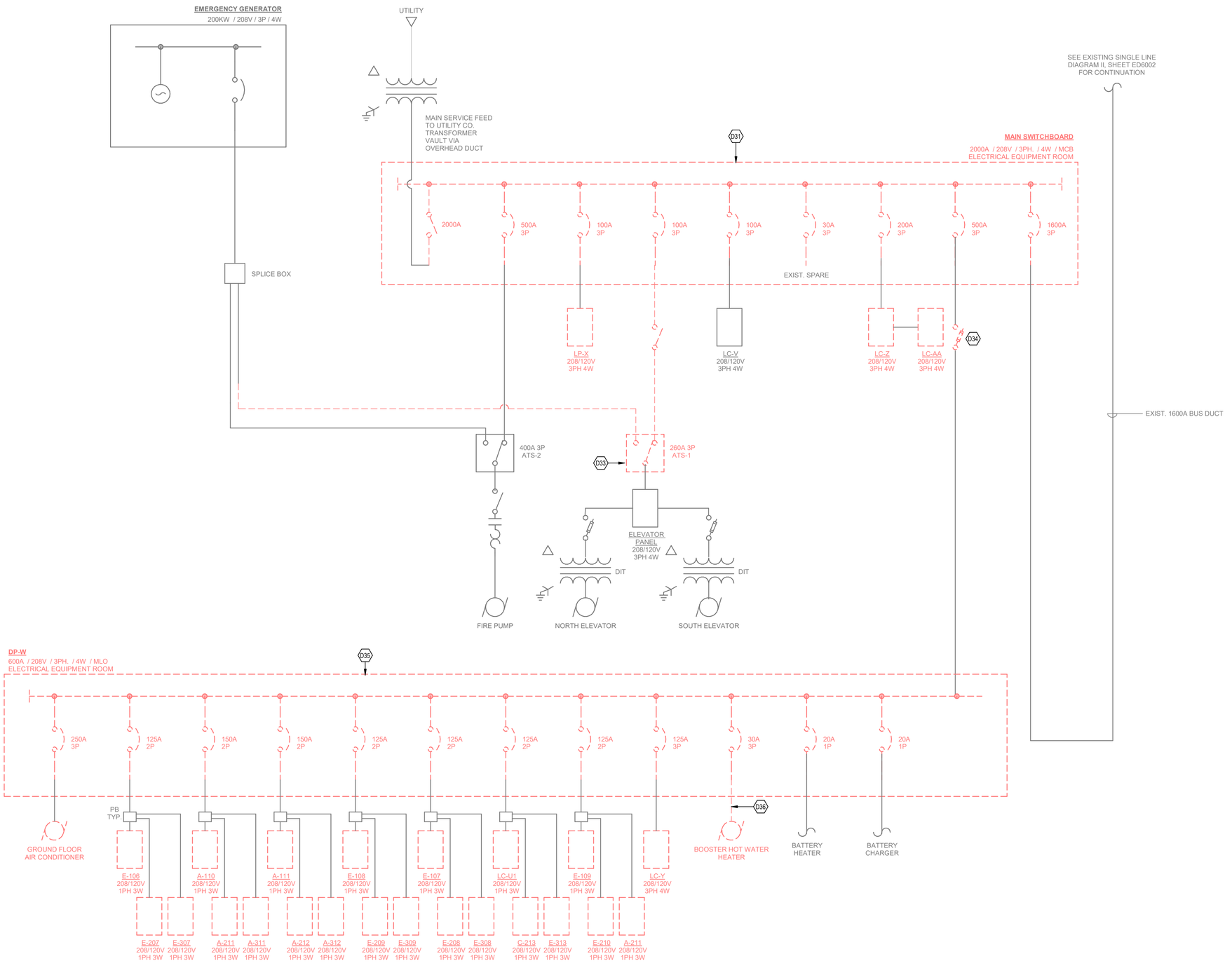
MAPLE TOWER RAD RENOVATIONS
601 MAPLE AVE.,
CINCINNATI, OH 45229

DRAWING TITLE:
TYPICAL UNIT DEMOLITION PLAN - ELECTRICAL/LIGHTING

DRAWING NUMBER: **ED4001**

REV: **0**

7/15/2025 12:20:49 PM



GENERAL NOTES

1. ELECTRICAL EQUIPMENT TO BE DEMOLISHED SHALL BE COORDINATED FOR PHASING AND SHUT DOWNS WITH THE OWNER AND GENERAL CONTRACTOR PRIOR TO COMMENCING WORK.
2. ALL BUILDING AND APARTMENT UNIT PANELBOARDS THAT ARE BEING REMOVED SHALL BE REPLACED IN THE SAME LOCATION. NEW PANELBOARDS SHALL MATCH EXISTING RATINGS. RECONNECT EXISTING CIRCUITS TO NEW PANELBOARDS.
3. WHERE IT IS ACCEPTABLE, REUSE EXISTING PANEL TUB FOR FLUSH MOUNTED PANELBOARDS BEING REPLACED.
4. RE-USE EXISTING FEEDERS/CONDUIT WHERE INSTALLATION MEETS CURRENT CODE REQUIREMENTS. SEE UPDATED SINGLE LINE DIAGRAM, SHEETS E6001 AND E6002.

KEYNOTES

#	DESCRIPTION
D31	CONTRACTOR TO REMOVE EXISTING SWITCHBOARD SECTIONS. PROTECT EXISTING BUS DUCT AS WELL AS ALL OTHER EXISTING FEEDERS/CONDUITS AND PREPARE FOR RECONNECTION TO NEW MAIN SWITCHBOARD. NEW SWITCHBOARD AND CIRCUIT BREAKERS TO MATCH EXISTING RATINGS, UNO. SEE UPDATED SINGLE LINE DIAGRAM, SHEET E6001.
D33	REMOVE EXISTING ATS AND MAINTAIN FEEDER/CONDUIT FOR RECONNECTION TO NEW ATS. SEE UPDATED SINGLE LINE DIAGRAM, SHEET E6001.
D34	REMOVE EXISTING FUSED DISCONNECT SWITCH. PROVIDE AND INSTALL NEW WIRE AND CONDUIT TO NEW PANELBOARD. SEE SINGLE LINE DIAGRAM, SHEET E6001.
D35	EXISTING DISTRIBUTION PANEL TO BE REMOVED AND REPLACED. NEW DISTRIBUTION PANEL AND CIRCUIT BREAKERS TO MATCH EXISTING RATINGS, UNO. SEE UPDATED SINGLE LINE DIAGRAM, SHEET E6001 AND E6002.
D36	REMOVE EXISTING FEEDER AND CONDUIT BACK TO SOURCE. SEE UPDATED SINGLE LINE DIAGRAM, SHEET E6001.

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EXISTING SINGLE LINE DIAGRAM I

SCALE: NTS

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DRAWING TITLE: EXISTING SINGLE LINE DIAGRAM I

DRAWING NUMBER: **ED6001**

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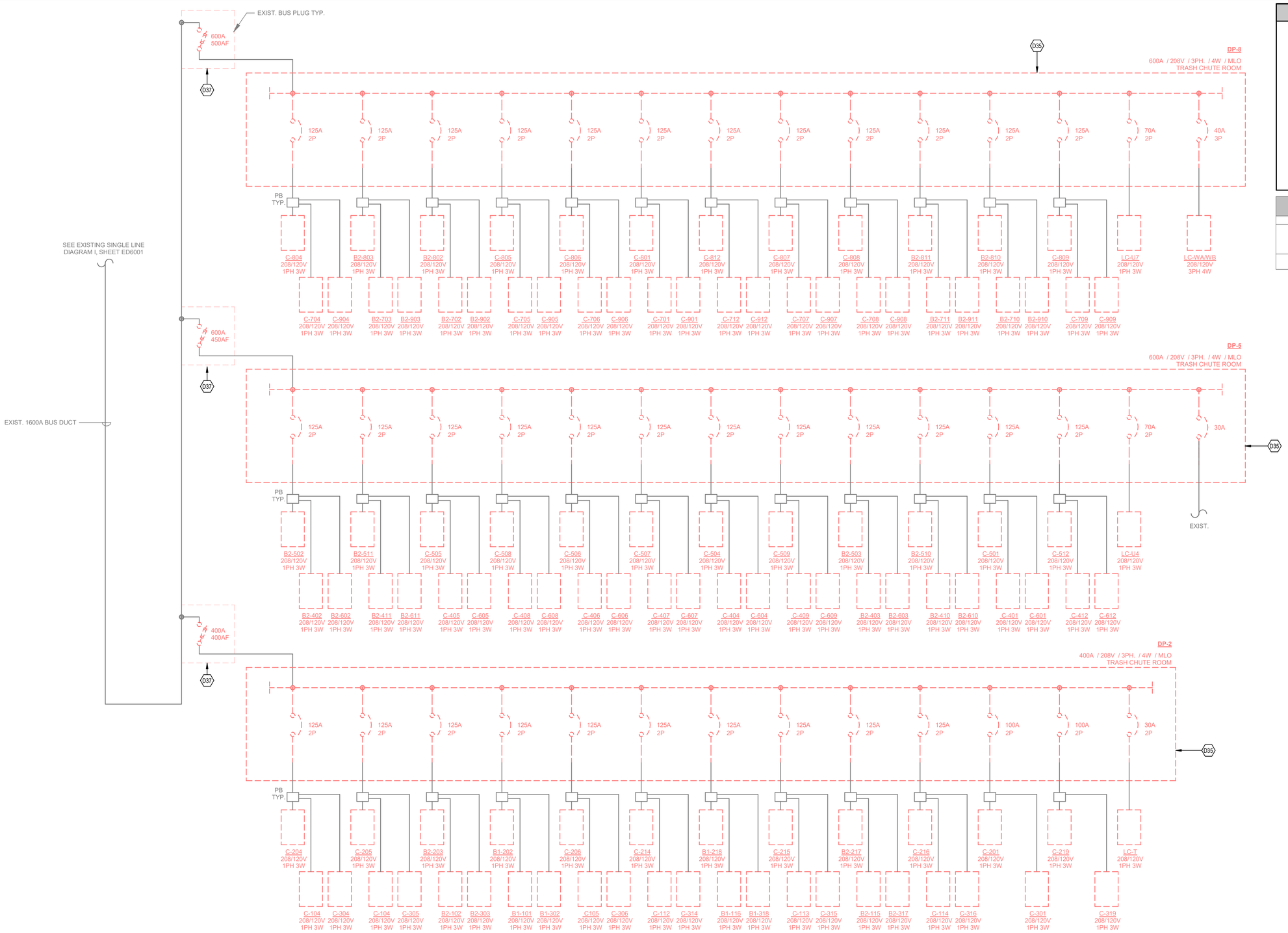
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3. WHERE IT IS ACCEPTABLE, REUSE EXISTING PANEL TUB FOR FLUSH MOUNTED PANELBOARDS BEING REPLACED.
4. RE-USE EXISTING FEEDERS/CONDUIT WHERE INSTALLATION MEETS CURRENT CODE REQUIREMENTS. SEE UPDATED SINGLE LINE DIAGRAM, SHEETS E6001 AND E6002.

KEYNOTES

#	DESCRIPTION
D35	EXISTING DISTRIBUTION PANEL TO BE REMOVED AND REPLACED. NEW DISTRIBUTION PANEL AND CIRCUIT BREAKERS TO MATCH EXISTING RATINGS, UNO. SEE UPDATED SINGLE LINE DIAGRAM, SHEET E6001 AND E6002.
D37	CONTRACTOR SHALL REMOVE AND REPLACE EXISTING BUS PLUG. SEE UPDATED SINGLE LINE DIAGRAM, SHEET E6002.



EXISTING SINGLE LINE DIAGRAM II

SCALE: NTS

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SCALE	AS NOTED

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DRAWING TITLE:
EXISTING SINGLE LINE DIAGRAM II

DRAWING NUMBER: **ED6002**

REV: **0**

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