

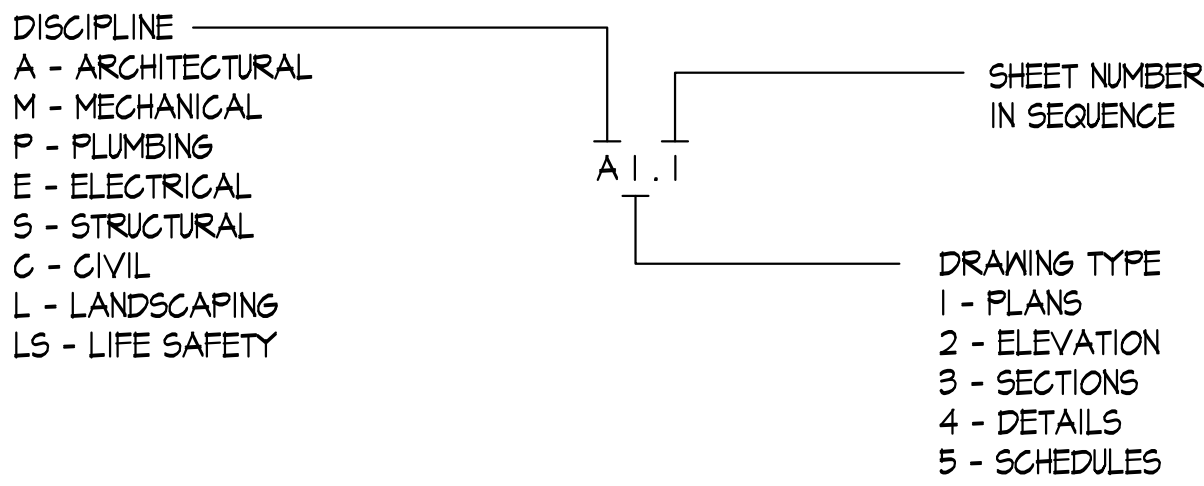
LIST OF ABBREVIATIONS

AFF	ABOVE FINISH FLOOR	LLV	LONG LEG VERTICAL
ADJ	ADJUSTABLE	LP	LOW POINT
ALT	ALTERNATE	MFR	MANUFACTURER
ALUM	ALUMINUM	MO	MASONRY OPENING
AB	ANCHOR BOLTS	MAX	MAXIMUM
L	ANGLE	MEP	MECH / ELECT / PLUMB
ARCH	ARCHITECTURAL	MECH	MECHANICAL
@	AT	MTL	METAL
BD	BOARD	MIN	MINIMUM
BLDG	BUILDING	NIC	NOT IN CONTRACT
CAB	CABINET	NTS	NOT TO SCALE
CLS	CEILING	OC	ON CENTER
CL	CENTER LINE	OPNG	OPENING
CER	CERAMIC	OD	OUTSIDE DIAMETER
CT	CERAMIC TILE	OH	OPPOSITE HAND
COL	COLUMN	PLAS LAM	PLASTIC LAMINATE
CONC	CONCRETE	PLUMB	PLUMBING
CMU	CONCRETE MASONRY UNIT	PLYWD	PLYWOOD
CONST	CONSTRUCTION	PL	PLATE
CONT	CONTINUOUS	POL	POLISHED
CJ	CONTROL JOINT	RAD / R	RADIUS
DET	DETAIL	RECEPT	RECEPTACLE
DIA	DIAMETER	REINF	REINFORCING
DIM	DIMENSION	REQ'D	REQUIRED
DR	DOOR	R	RISER/RADIUS
DBL	DOUBLE	RD	ROOF DRAIN
DS	DOWNSPOUT	RM	ROOM
EA	EACH	RO	ROUGH OPENING
EW	EACH WAY	SECT	SECTION
ELEC	ELECTRIC	SHT	SHEET
EMC	ELECTRIC WATER COOLER	SIM	SIMILAR
EL	ELEVATOR	SPEC	SPECIFICATION
ELEV	ELEVATION	SS	SQUARE
EQU	EQUAL	STD	STAINLESS STEEL
EXP	EXPANSION	STL	STANDARD
EJ	EXPANSION JOINT	STRUCT	STEEL
EXT	EXTERIOR	STRUC	STRUCTURAL
FIN	FINISH	SOB	TOP OF BEAM
FF	FINISH FLOOR	TOC	TOP OF CURB
FEC	FIRE EXTINGUISHER CABINET	TOJ	TOP OF JOIST
FHC	FIRE HOSE CABINET	TOS	TOP OF STEEL
FH	FIRE HYDRANT	TOP	TOP OF PLATE
FLR	FLOOR	TOW	TOP OF WALL
FD	FLOOR DRAIN	T	TREAD
GALV	GALVANIZED	TYP	TYPICAL
GA	Gauge	UC	UNDER COUNTER / CABINET
GWB	GYPSUM WALL BOARD	UNO	UNLESS NOTED OTHERWISE
HR	HOUR	VERT	VERTICAL
HT	HEIGHT	VEST	VESTIBULE
HM	HOLLOW METAL	VNC	VERTICAL WALL COVERING
HOR / HORIZ	HORIZONTAL	WC	WATER CLOSET
ID	INTERIOR DIAMETER	WP	WATER PROOF
INSUL	INSULATION	WF	WIDE FLANGE
INT	INTERIOR	W/	WITH / WITHOUT
LAM	LAMINATE/LAMINATED	WD	WOOD
LAV	LAVATORY	WWF	WELDED WIRE FABRIC
LLH	LONG LEG HORIZONTAL		

LIST OF DRAWINGS

SHEET NUMBER	TITLE		
	COVER SHEET		
LSI.1	FIRST FLOOR LIFE SAFETY DIAGRAM	PO.1	PLUMBING SCHEDULES, NOTES AND SYMBOLS
LSI.2	SECOND FLOOR LIFE SAFETY DIAGRAM	PI.1	PLUMBING FIRST FLOOR DEMOLITION PLAN
AI.1	FIRST FLOOR PLAN	PI.2	PLUMBING SECOND FLOOR DEMOLITION PLAN
AI.2	SECOND FLOOR PLAN	P2.1	PLUMBING FIRST FLOOR DEMOLITION PLAN BUILDING A
AI.3	LARGE SCALE FLOOR PLAN - BUILDING A	P2.2	PLUMBING SECOND FLOOR DEMOLITION PLAN BUILDING A
AI.4	LARGE SCALE FLOOR PLAN - BUILDING A	P2.3	PLUMBING FIRST FLOOR DEMOLITION PLAN BUILDING B
AI.5	LARGE SCALE FLOOR PLAN - BUILDING B	P2.4	PLUMBING SECOND FLOOR DEMOLITION PLAN BUILDING B
AI.6	LARGE SCALE FLOOR PLAN - BUILDING B		
AI.7	LARGE SCALE FLOOR PLAN - OFFICE	P3.1	PLUMBING FIRST FLOOR PLAN
AI.8	LARGE SCALE FLOOR PLAN - GUESTROOM	P3.2	PLUMBING SECOND FLOOR PLAN
AI.9	LARGE SCALE FLOOR PLAN - ADA GUESTROOMS	P4.1	PLUMBING FIRST FLOOR BUILDING A
AI.10	LARGE SCALE FLOOR PLANS	P4.2	PLUMBING SECOND FLOOR BUILDING A
A2.1	EXTERIOR ELEVATIONS	P4.3	PLUMBING FIRST FLOOR BUILDING B
		P4.4	PLUMBING SECOND FLOOR BUILDING B
A5.1	FINISH AND DOOR SCHEDULES		
MO.1	MECHANICAL NOTES AND SYMBOLS	E1.1	ELECTRICAL LEGEND AND NOTES
MO.2	MECHANICAL SCHEDULES	E2.1	FIRST FLOOR ELECTRICAL DIAGRAM
		E2.2	SECOND FLOOR ELECTRICAL DIAGRAM
M1.1	MECHANICAL FIRST FLOOR DEMOLITION PLAN		
M1.2	MECHANICAL SECOND FLOOR DEMOLITION PLAN	E3.1	UNIT POWER PLANS
M2.1	MECHANICAL FIRST FLOOR DEMOLITION BUILDING A	E4.1	ELECTRICAL RISER DIAGRAM
M2.2	MECHANICAL SECOND FLOOR DEMOLITION BUILDING A	E4.2	ELECTRICAL PANEL SCHEDULE
M2.3	MECHANICAL FIRST FLOOR DEMOLITION BUILDING B	E4.3	ELECTRICAL PANEL SCHEDULE
M2.4	MECHANICAL SECOND FLOOR DEMOLITION BUILDING B	E4.4	ELECTRICAL PANEL SCHEDULE
		E4.5	ELECTRICAL PANEL SCHEDULE
M3.1	MECHANICAL FIRST FLOOR PLAN		
M3.2	MECHANICAL SECOND FLOOR PLAN	E5.1	ELECTRICAL SPECIFICATIONS
		E5.2	ELECTRICAL SPECIFICATIONS
M4.1	MECHANICAL FIRST FLOOR BUILDING A		
M4.2	MECHANICAL SECOND FLOOR BUILDING A		
M4.3	MECHANICAL FIRST FLOOR BUILDING B		
M4.4	MECHANICAL SECOND FLOOR BUILDING B		

SHEET DESIGNATIONS

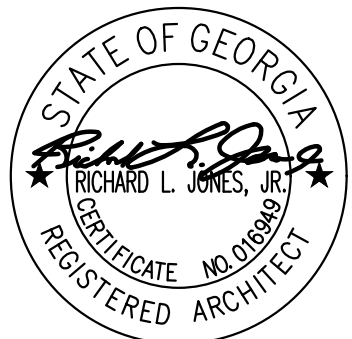


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DATE
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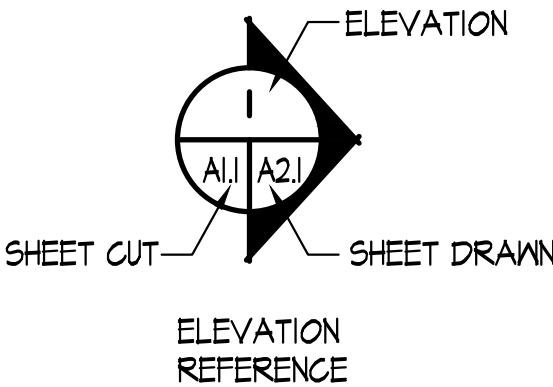
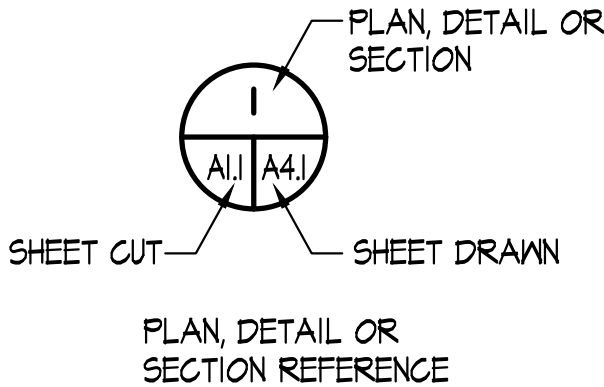
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2926

REVISION DATE



14 MAR 2023

SYMBOLS



DOOR
REFERENCE



WINDOW
REFERENCE

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY GEORGIA

DEVELOPMENT SUMMARY

- FACILITY USE: APARTMENT
- APPLICABLE CODES
 - INTERNATIONAL BUILDING CODE - 2018 EDITION - WITH GEORGIA AMENDMENTS
 - INTERNATIONAL FUEL GAS CODE - 2018 EDITION - WITH GEORGIA AMENDMENTS
 - INTERNATIONAL MECHANICAL CODE - 2018 EDITION - WITH GEORGIA AMENDMENTS
 - INTERNATIONAL PLUMBING CODE - 2018 EDITION - WITH GEORGIA AMENDMENTS
 - INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS - WITH GEORGIA AMENDMENTS
 - INTERNATIONAL ENERGY CONSERVATION CODE - 2015 EDITION - WITH GEORGIA AMENDMENTS
 - INTERNATIONAL SWIMMING POOL AND SPA CODE - 2018 EDITION - WITH GEORGIA AMENDMENTS
 - INTERNATIONAL PROPERTY MAINTENANCE CODE - 2018 EDITION - WITH GEORGIA AMENDMENTS
 - INTERNATIONAL EXISTING BUILDING CODE - 2018 EDITION - WITH GEORGIA AMENDMENTS
 - NATIONAL ELECTRICAL CODE - 2017 EDITION - WITH GEORGIA AMENDMENTS

- USE GROUP: R-2, RESIDENTIAL
- CONSTRUCTION TYPE: IBC I B
- FIRE PROTECTION SYSTEMS REQUIRED
 - TOTAL COVERAGE FIRE SPRINKLER SYSTEM (NFPA 13R)
 - HABITABLE AND SUPPORT AREAS - WET SYSTEM
 - ATTIC AND CANOPY AREAS - DRY SYSTEM
 - ALL CONTROL VALVES SHALL BE ELECTRICALLY SUPERVISED
 - TYPE V (III) (NFPA 220)
 - FIRE ALARM SYSTEM (NFPA 72)

- BUILDING HEIGHT ABOVE GRADE PLANE (PER IBC TABLE 504.3)
 - ALLOWABLE 180'
 - ACTUAL 30'

- NUMBER OF STORIES ABOVE GRADE PLANE (PER IBC TABLE 504.4)
 - ALLOWABLE 12
 - ACTUAL 2

- BUILDING AREA (PER IBC TABLE 506.2)

ALLOWABLE	UNLIMITED
BUILDING A - FIRST FLOOR	23,044 SQ. FT.
BUILDING A - SECOND FLOOR	23,044 SQ. FT.
BUILDING B - FIRST FLOOR	16,363 SQ. FT.
BUILDING B - SECOND FLOOR	16,363 SQ. FT.
OFFICE	13,031 SQ. FT.

- OCCUPANT LOAD (PER IBC TABLE 1004.1.2)

BUILDING A		
BUSINESS AREA	3,230 SQ FT/ 150 GROSS	= 22 PEOPLE
RESIDENTIAL AREA	42,858 SQ FT/ 200 GROSS	= 215 PEOPLE
BUILDING B		
BUSINESS AREA	884 SQ FT/ 150 GROSS	= 6 PEOPLE
RESIDENTIAL AREA	30,612 SQ FT/ 200 GROSS	= 154 PEOPLE
EXERCISE AREA	1,225 SQ FT/ 50 GROSS	= 25 PEOPLE
OFFICE		
BUSINESS AREA	13,031 SQ FT/ 150 GROSS	= 87 PEOPLE

- NUMBER OF EXITS (PER IBC 1006.2.1)

BUILDING A	
REQUIRED	2 STAIRS - 237 PEOPLE
ACTUAL	4 STAIRS - 780 PEOPLE
BUILDING B	
REQUIRED	2 STAIRS - 185 PEOPLE
ACTUAL	4 STAIRS - 840 PEOPLE
OFFICE	
REQUIRED	2 DOORS - 87 PEOPLE
ACTUAL	4 DOORS - 1,480 PEOPLE

- EXIT ACCESS TRAVEL DISTANCE (PER IBC TABLE 1017.2)

ALLOWABLE	250'
ACTUAL	169'-0"
ACTUAL	160'-5"
OFFICE	90'-10"

- FIRE RESISTANCE RATINGS (PER IBC TABLE 601)

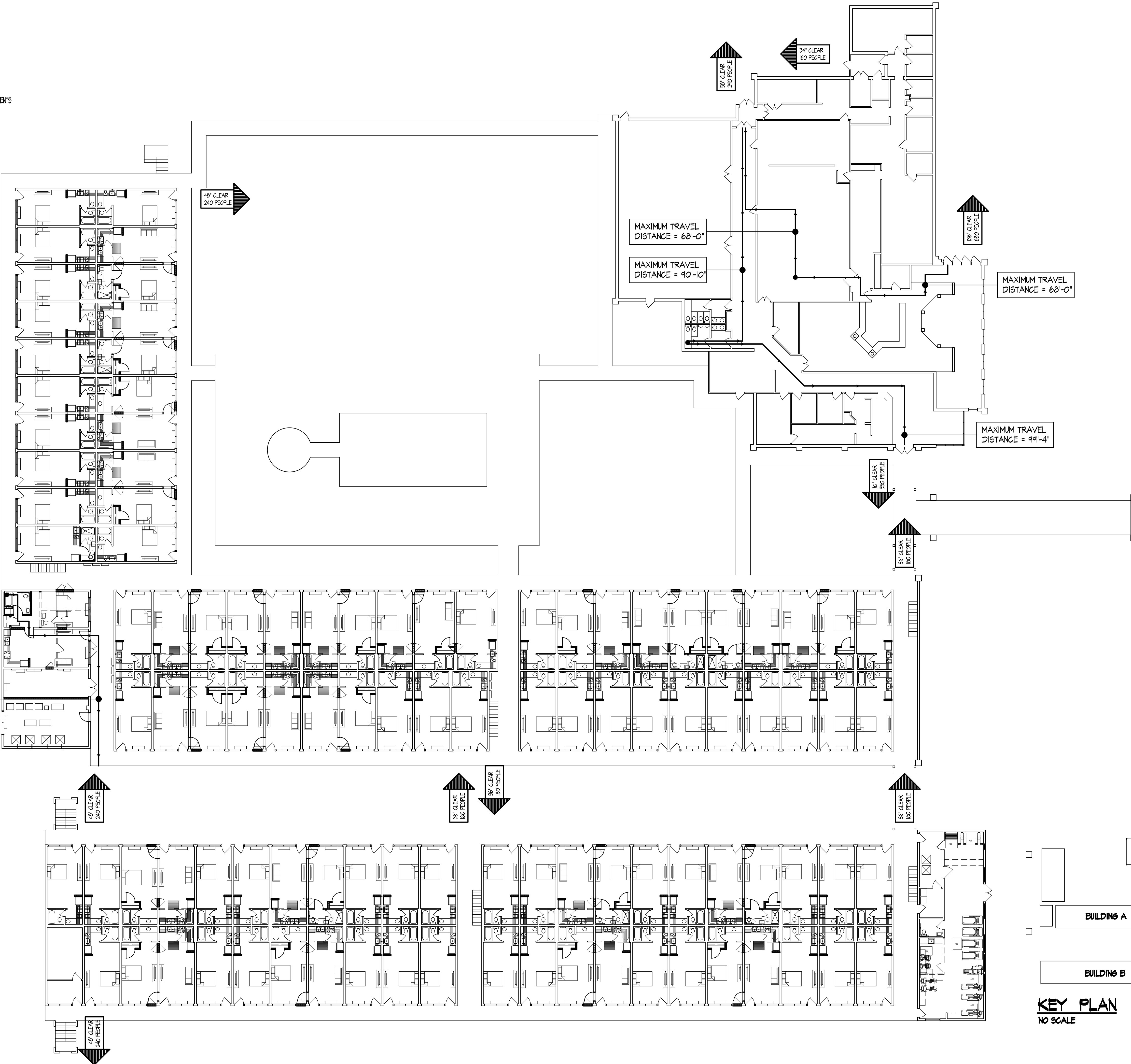
	REQUIRED	PROVIDED
PRIMARY STRUCTURAL FRAME	2 HOUR	2 HOUR
EXTERIOR WALLS	2 HOUR	2 HOUR
INTERIOR BEARING WALLS	2 HOUR	2 HOUR
NON BEARING INTERIOR WALLS	0 HOUR	0 HOUR
CEILING/FLOOR SEPARATION	2 HOUR	2 HOUR
ROOF CONSTRUCTION	1 HOUR	1 HOUR

ALL FIRE RESISTANT ASSEMBLIES IN CONCEALED SPACES SHALL BE LABELED TO INDICATE THEIR RATINGS WITH LETTERS 2" IN HEIGHT

- DRAFT STOPPING
 - SHALL BE INSTALLED IN ATTIC SPACES, SUCH THAT NO HORIZONTAL AREA EXCEEDS 3,000 SQUARE FEET. DRAFT STOPPING SHALL BE BE INSTALLED IN CONFORMANCE WITH IBC 718.4.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELEMENTS OF PERFORMANCE BASED SPECIFICATIONS. THE FIRE ALARM AND ALL OTHER BUILDING ELEMENTS REFERENCED IN THE DEVELOPMENT SUMMARY ARE TO BE INSTALLED IN CONFORMANCE WITH THE REFERENCED STANDARDS. ALL SYSTEMS SHALL BE COMPLETELY OPERATIONAL WITH ALL REQUIRED ELEMENTS. THE CONTRACTOR SHALL SUBMIT PLANS FOR ALL LIFE SAFETY SYSTEMS TO THE ARCHITECT, THE BUILDING OFFICIAL AND THE STATE FIRE MARSHALL FOR APPROVAL PRIOR TO ANY FABRICATION OR INSTALLATION.

FIRST FLOOR
LIFE SAFETY DIAGRAM
SCALE 1/16" = 1'-0"



REVISION DATE
- 2 5

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

PROJECT ARCHITECT
RLJ JR
TECHNICIANS
DVI
COMMISSION NUMBER
2426
DATE
14 MAR 2023

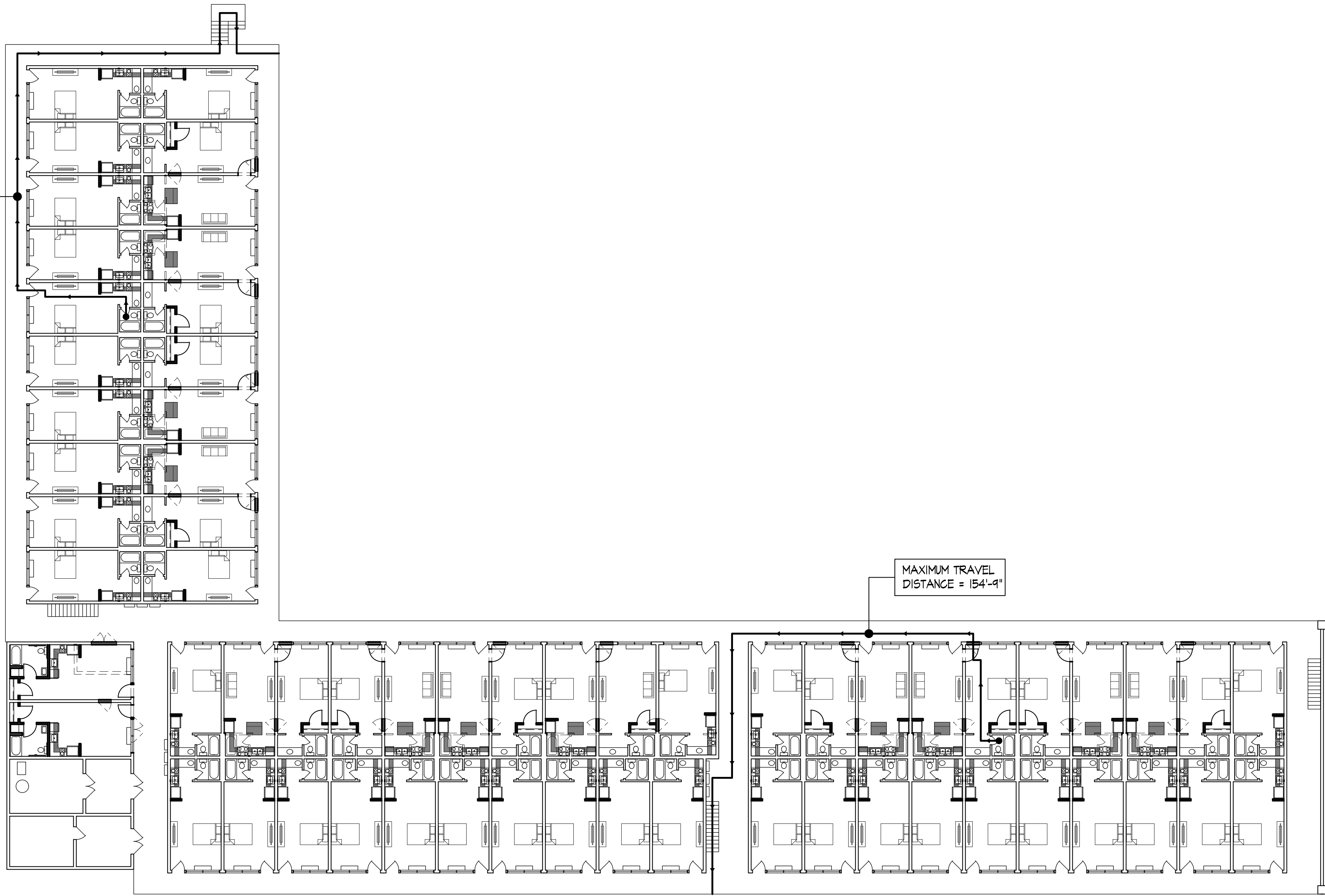
LS1.1

KEY PLAN
NO SCALE

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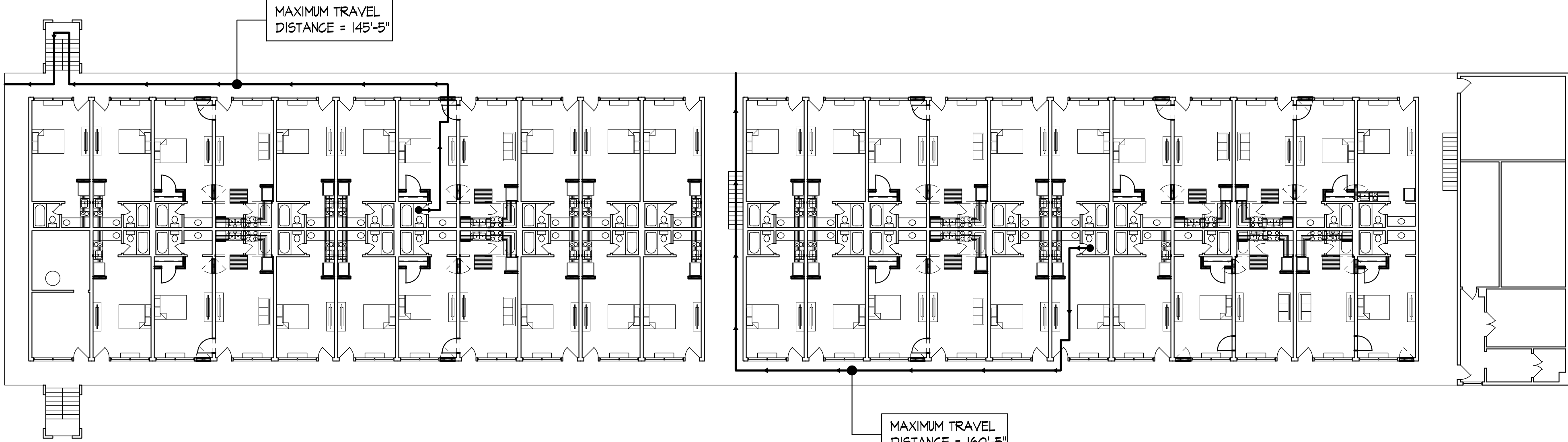
SECOND FLOOR
LIFE SAFETY DIAGRAM
SCALE 1/16" = 1'-0"

MAXIMUM TRAVEL
DISTANCE = 169'-0"

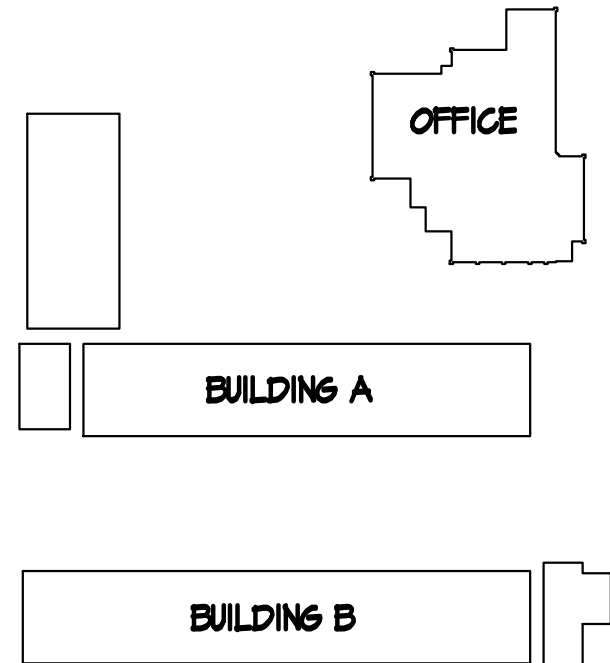


MAXIMUM TRAVEL
DISTANCE = 154'-4"

MAXIMUM TRAVEL
DISTANCE = 145'-5"



MAXIMUM TRAVEL
DISTANCE = 160'-5"



KEY PLAN
NO SCALE

GA PERRY VALLEY
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200 VALLEY DRIVE
PERRY, GEORGIA

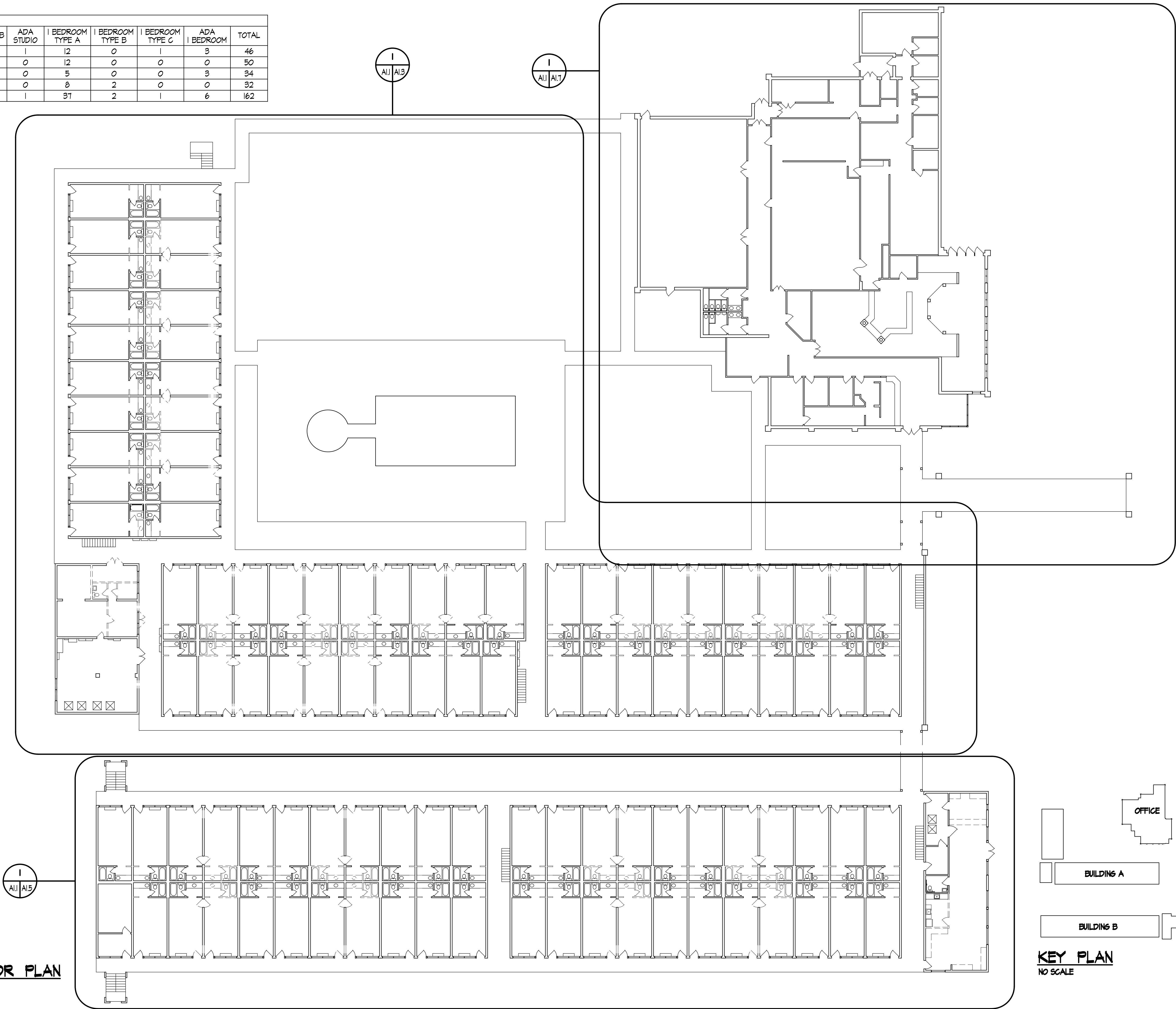
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LS1.2

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FACILITY UNIT MIX								
TYPE	STUDIO A	STUDIO B	ADA STUDIO	BEDROOM TYPE A	BEDROOM TYPE B	BEDROOM TYPE C	ADA BEDROOM	TOTAL
BUILDING A FIRST	29	0	1	12	0	1	3	46
BUILDING A SECOND	36	2	0	12	0	0	0	50
BUILDING B FIRST	26	0	0	5	0	0	3	34
BUILDING B SECOND	22	0	0	8	2	0	0	32
TOTAL	113	2	1	37	2	1	6	162



EXISTING FIRST FLOOR PLAN
SCALE 1/16" = 1'-0"

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

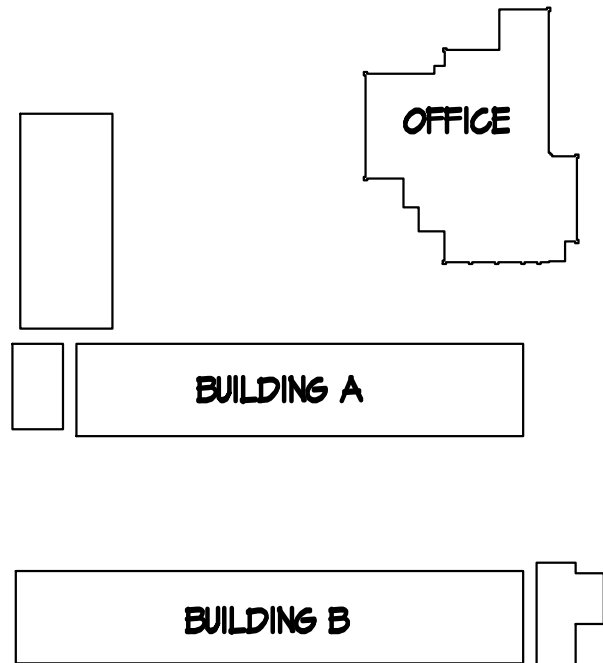
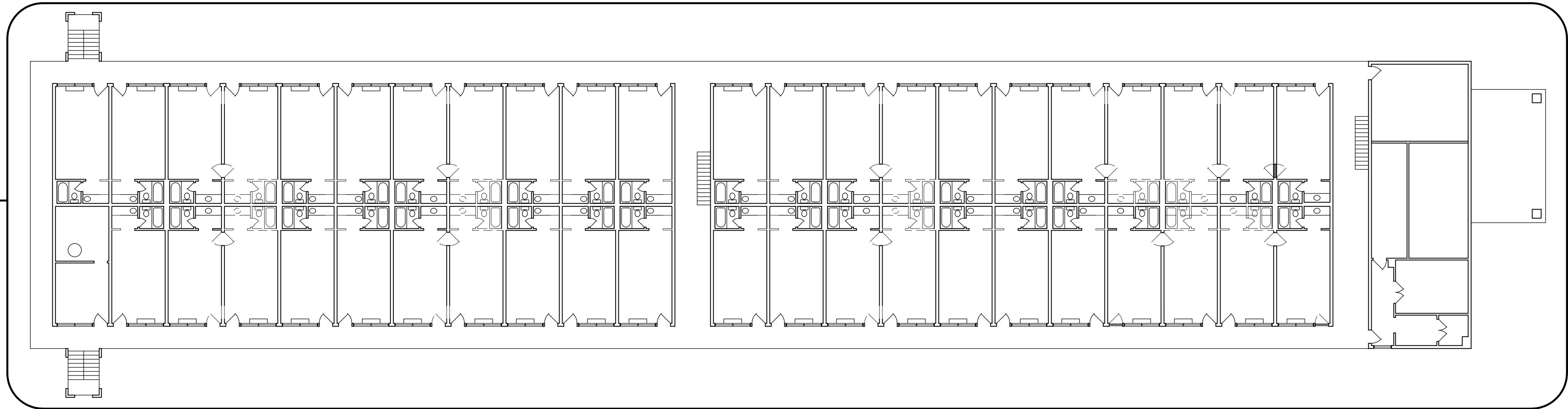
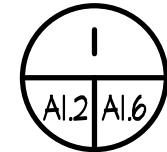
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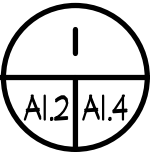
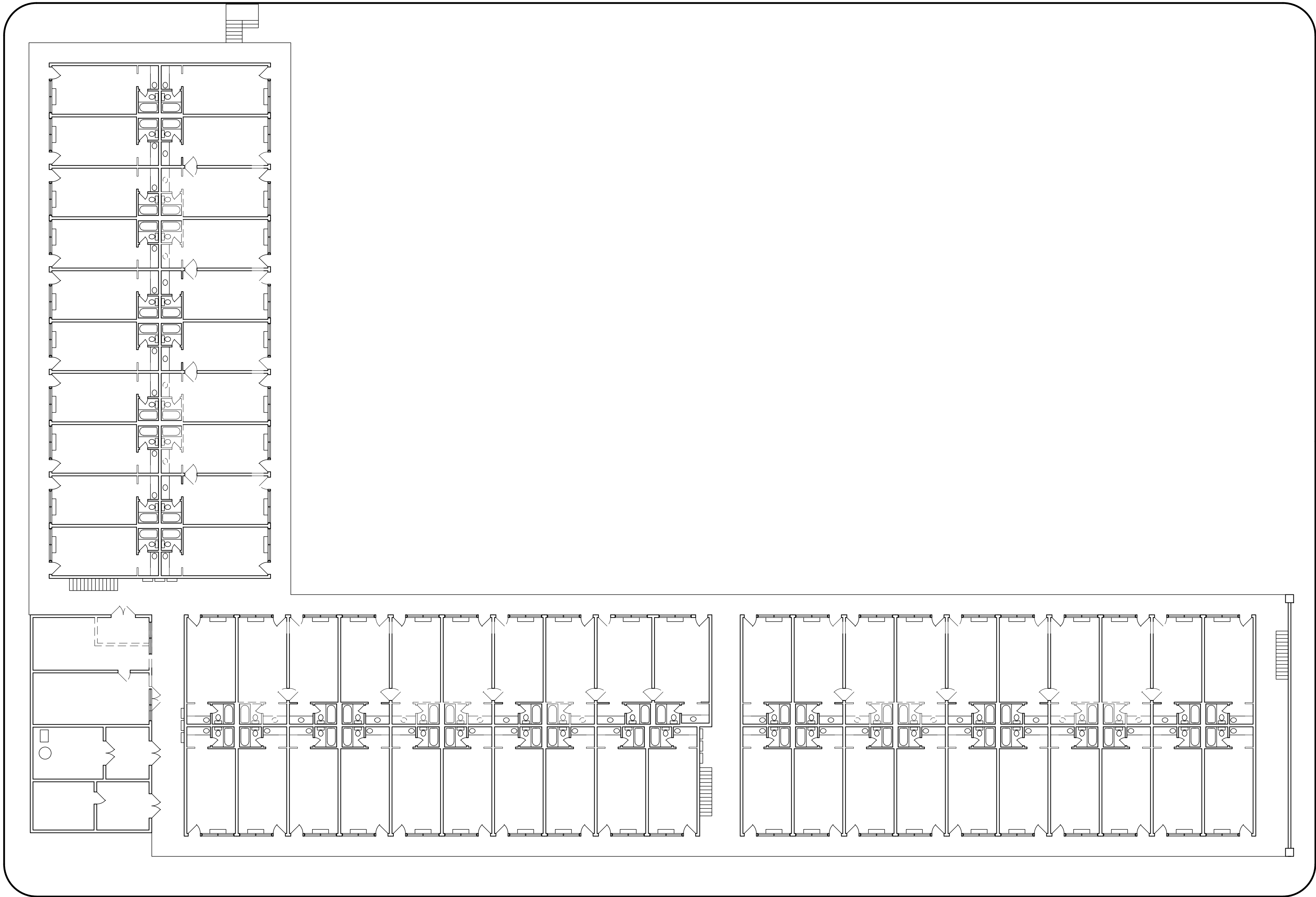
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EXISTING SECOND
FLOOR PLAN
SCALE 1/16" = 1'-0"



KEY PLAN
NO SCALE



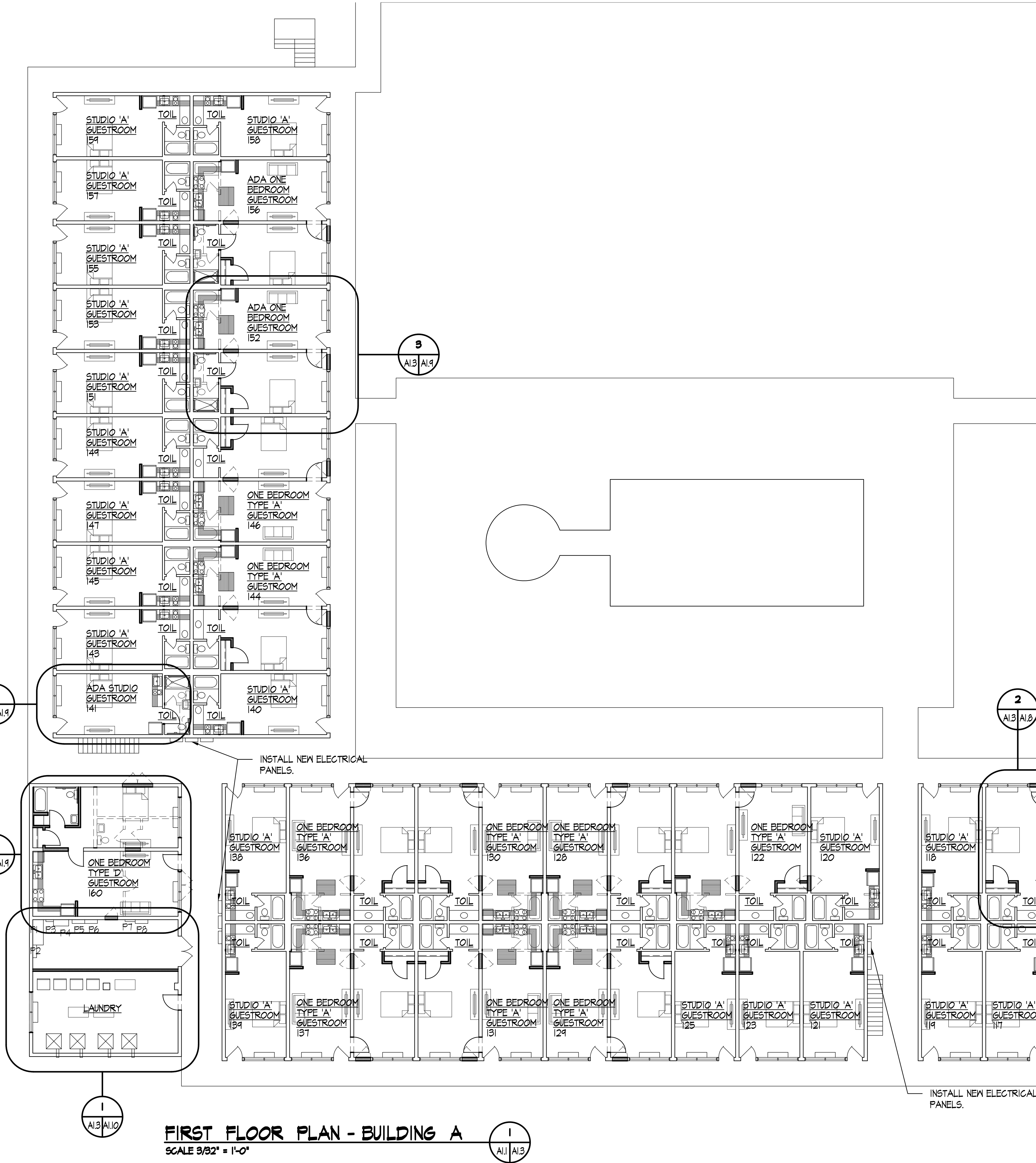
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200 VALLEY DRIVE
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A1.2

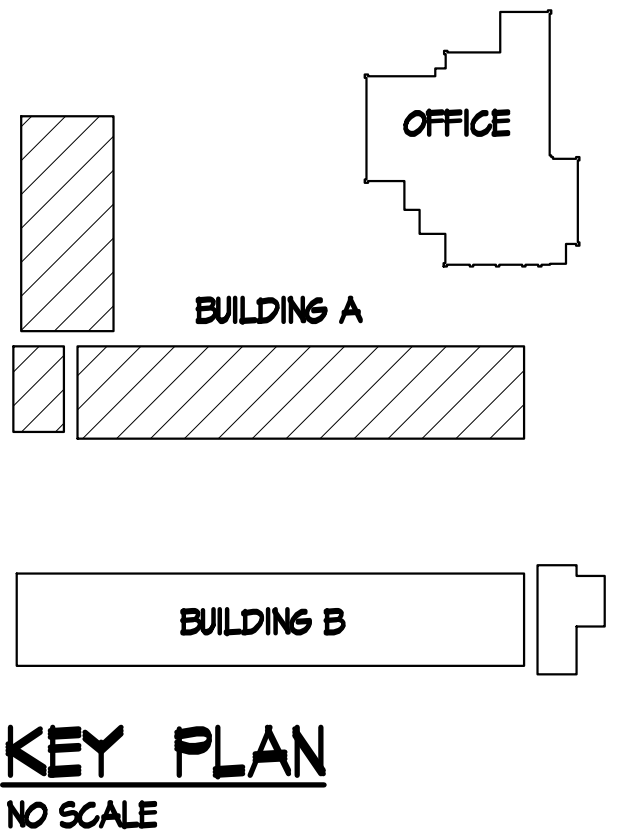
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FIRST FLOOR PLAN - BUILDING A
SCALE 3/32" = 1'-0"

FACILITY UNIT MIX								
TYPE	STUDIO A	STUDIO B	ADA STUDIO	1 BEDROOM TYPE A	1 BEDROOM TYPE B	1 BEDROOM TYPE C	ADA 1 BEDROOM	TOTAL
BUILDING A FIRST	21	0	1	12	0	1	3	46
BUILDING A SECOND	36	2	0	12	0	0	0	50
BUILDING B FIRST	26	0	0	5	0	0	3	34
BUILDING B SECOND	22	0	0	8	2	0	0	32
TOTAL	113	2	1	37	2	1	6	162



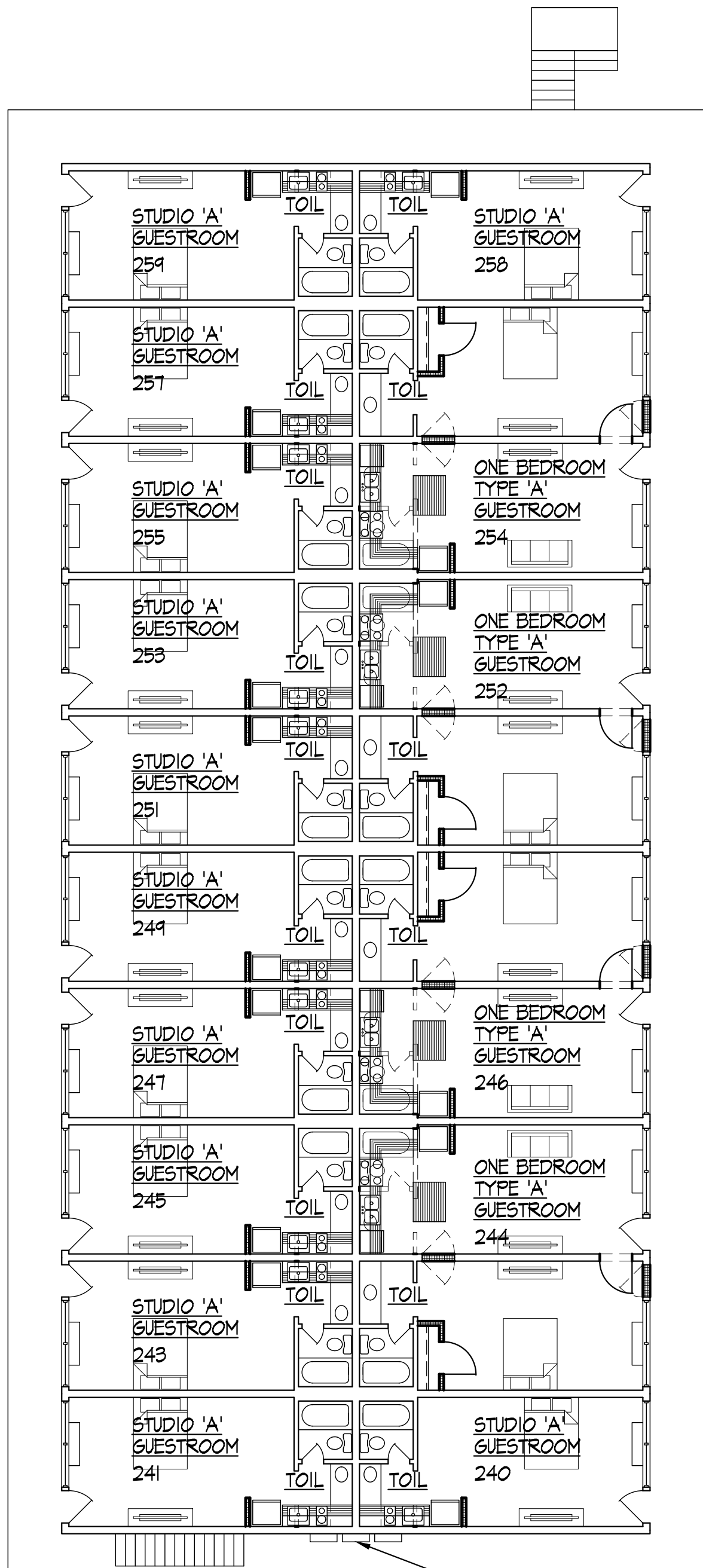
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APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

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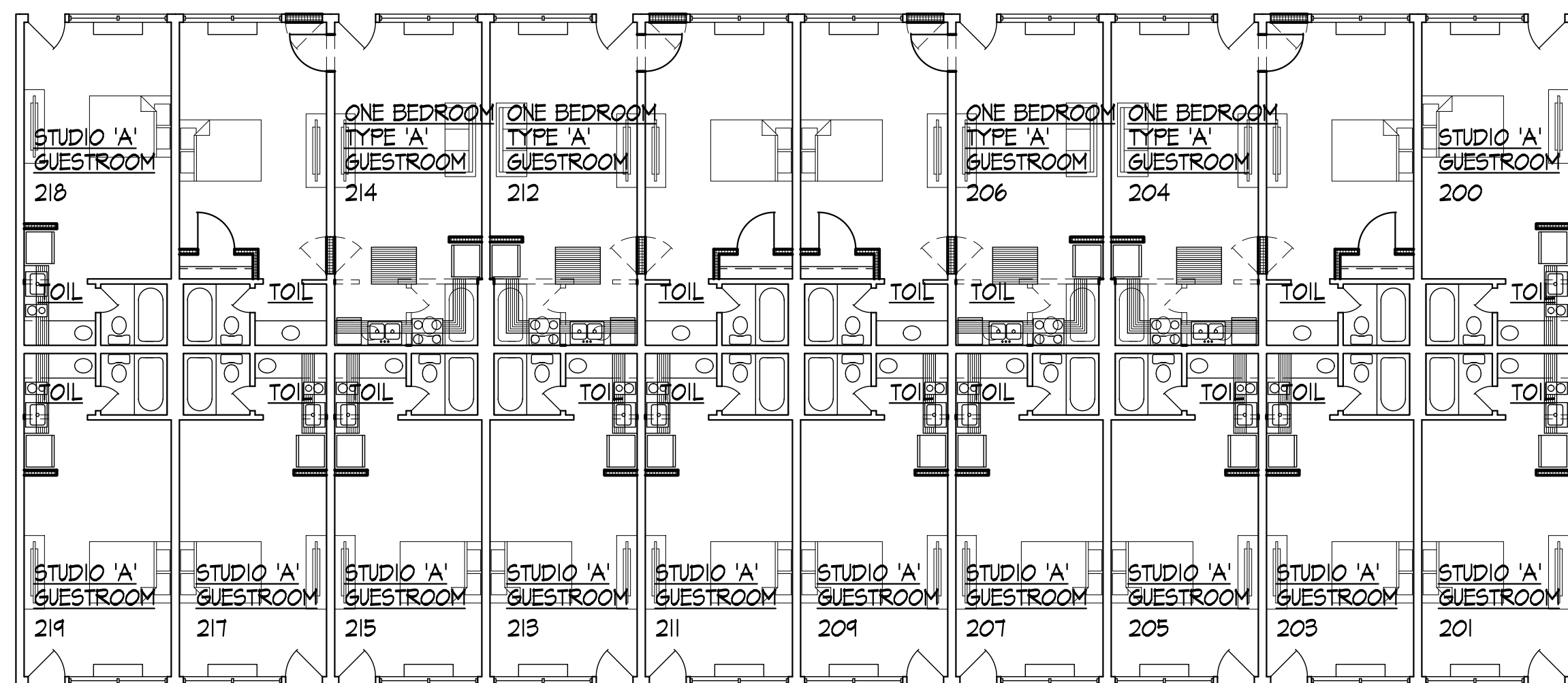
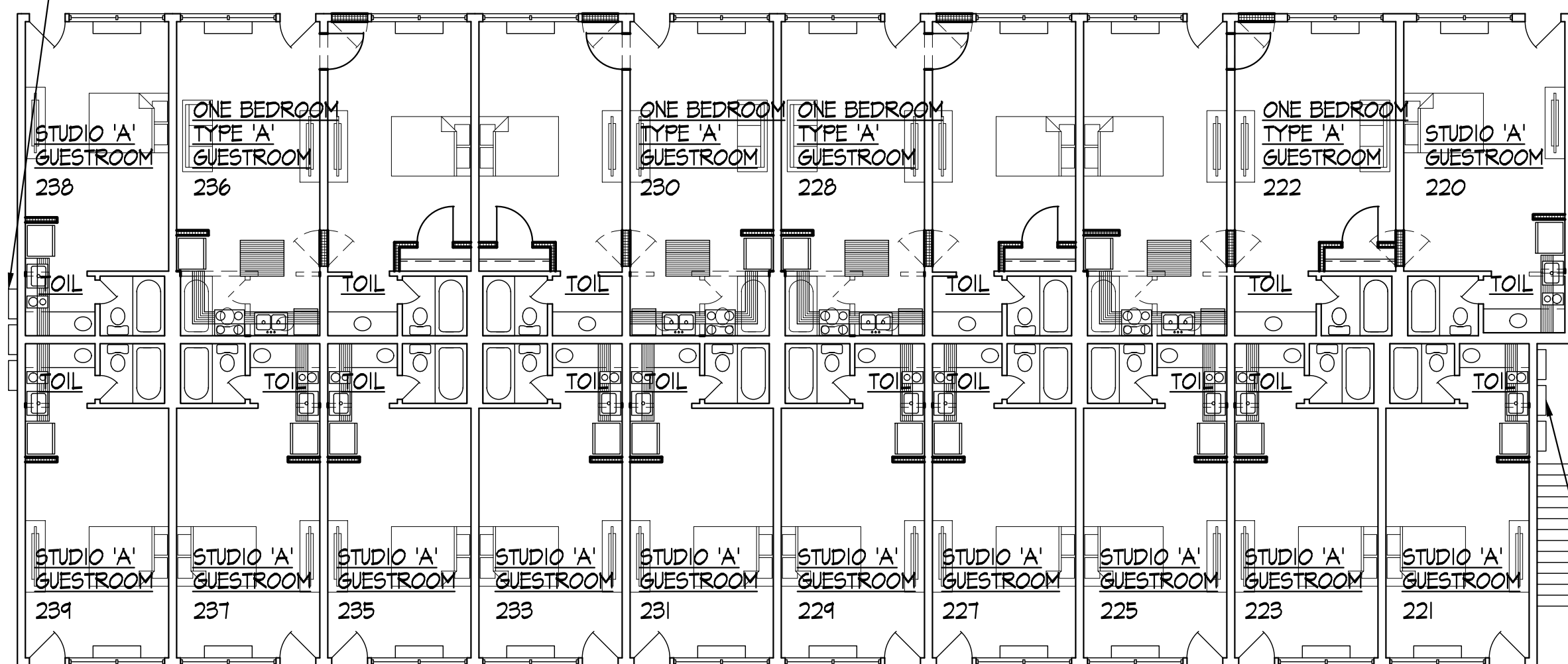
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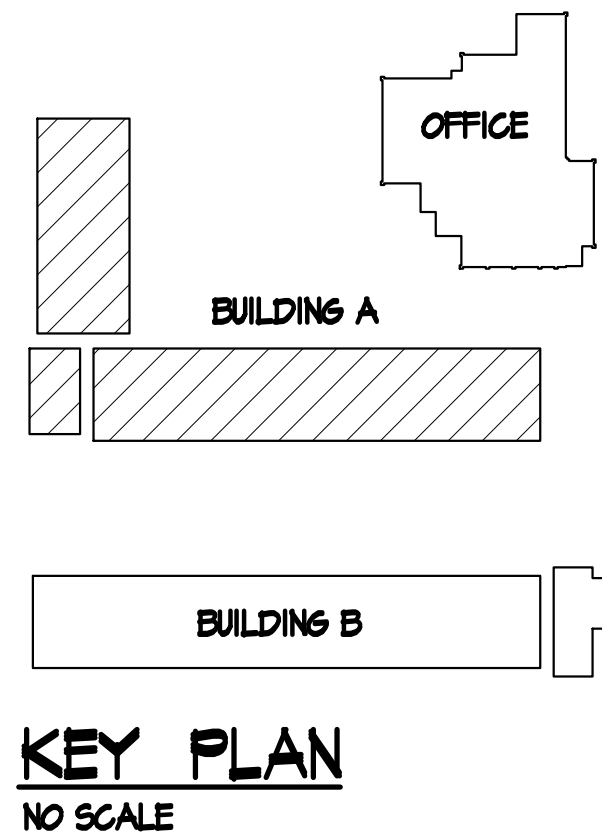


INSTALL NEW ELECTRICAL PANELS.



INSTALL NEW ELECTRICAL PANELS.

FACILITY UNIT MIX								
TYPE	STUDIO A	STUDIO B	ADA STUDIO	1 BEDROOM TYPE A	1 BEDROOM TYPE B	1 BEDROOM TYPE C	ADA 1 BEDROOM	TOTAL
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BUILDING B FIRST	26	0	0	5	0	0	3	34
BUILDING B SECOND	22	0	0	8	2	0	0	32
TOTAL	113	2	1	37	2	1	6	162



GA PERRY VALLEY APARTMENTS 200 VALLEY DRIVE PERRY, GEORGIA

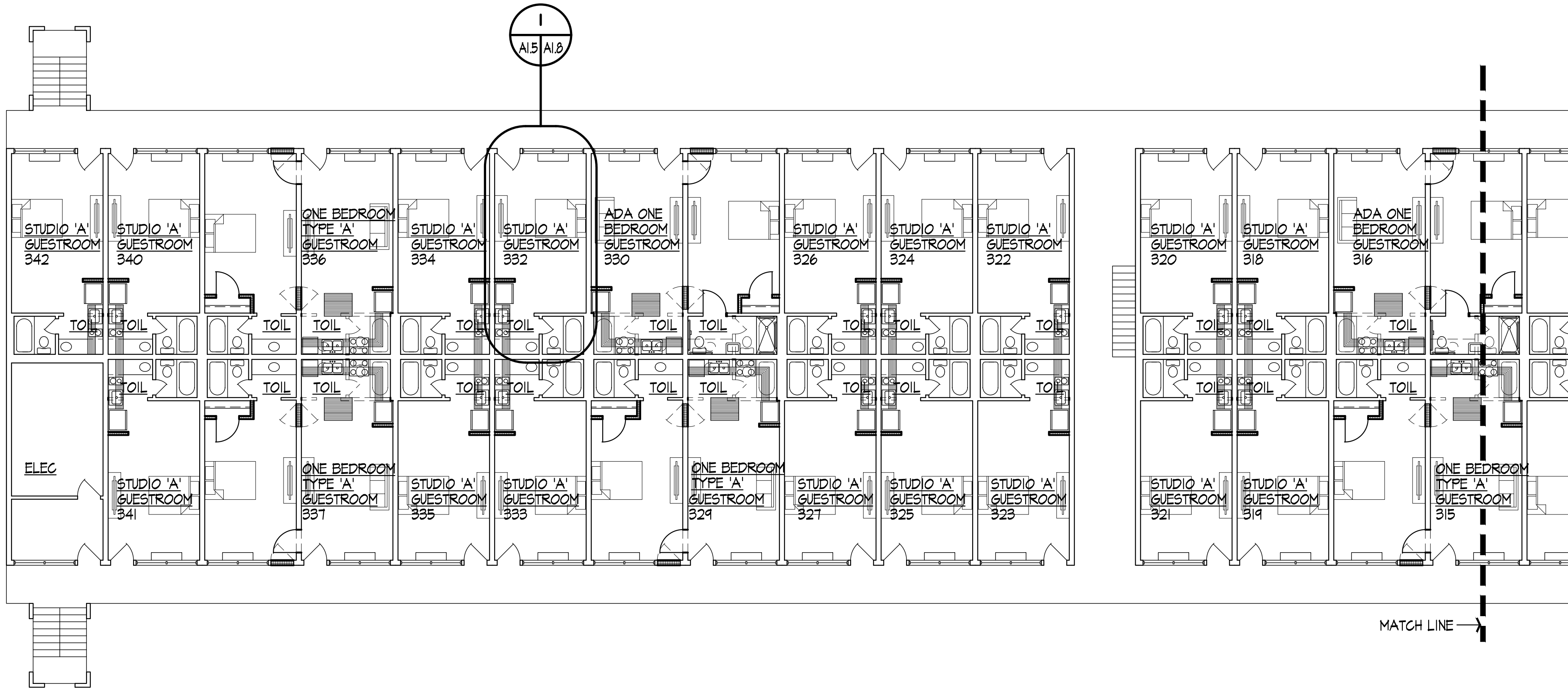
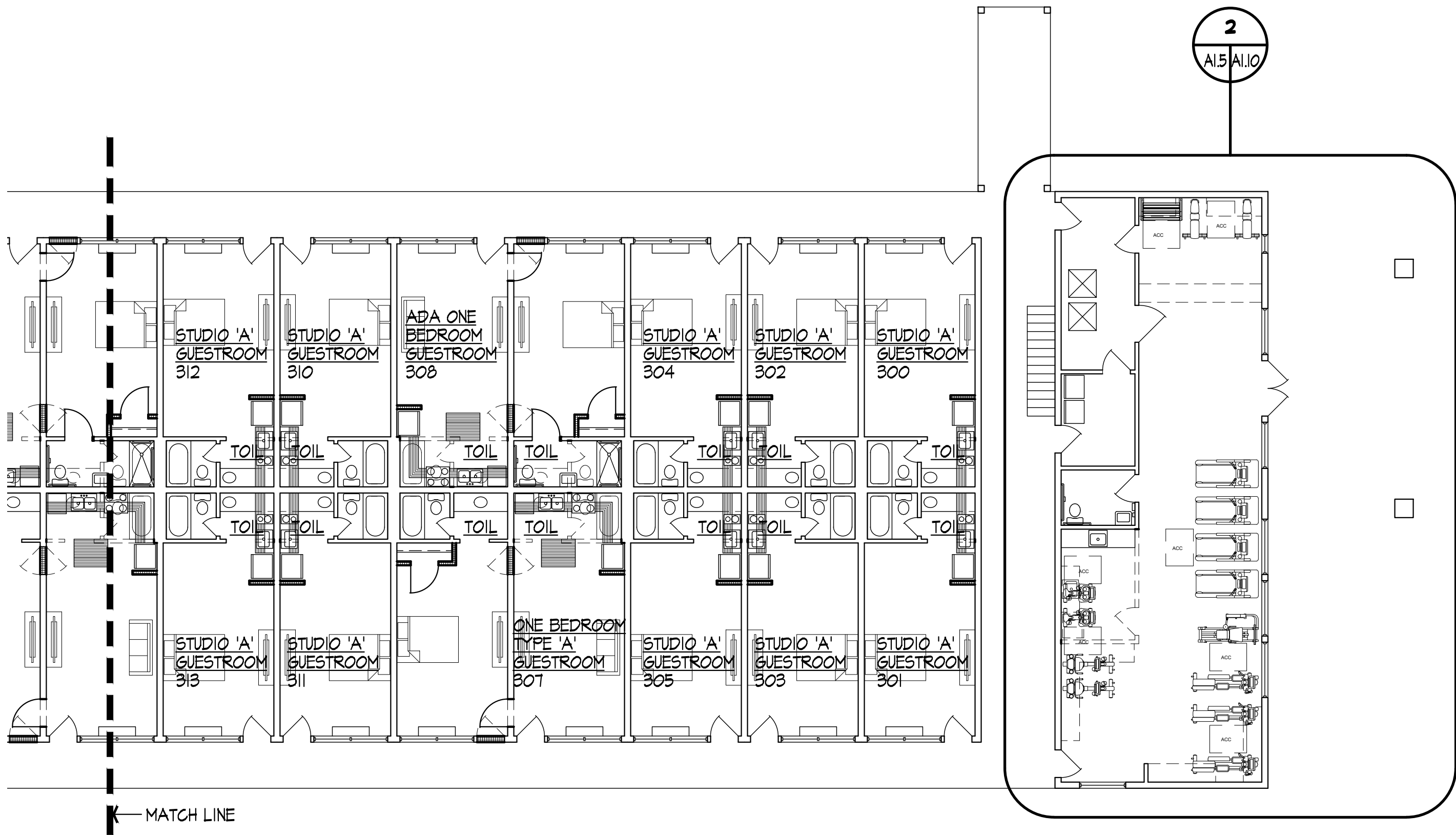
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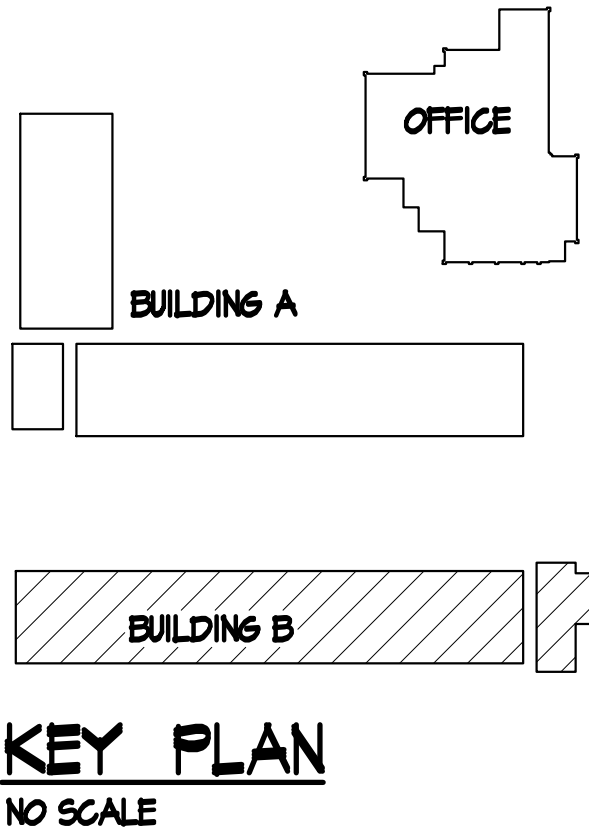
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FACILITY UNIT MIX								
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BUILDING A SECOND	36	2	0	12	0	0	0	50
BUILDING B FIRST	26	0	0	5	0	0	3	34
BUILDING B SECOND	22	0	0	8	2	0	0	32
TOTAL	113	2	1	37	2	1	6	162



FIRST FLOOR PLAN - BUILDING B
SCALE 3/32" = 1'-0"



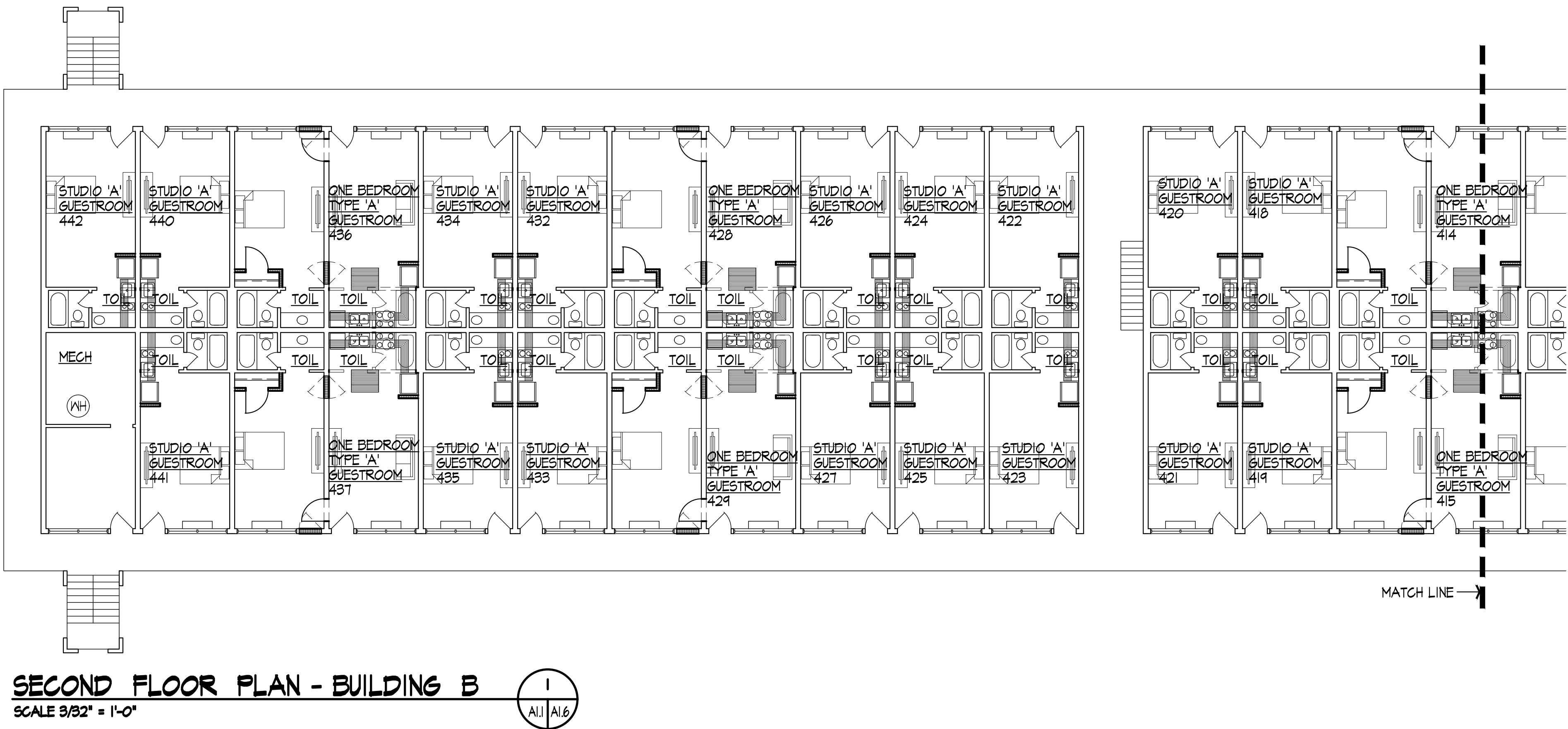
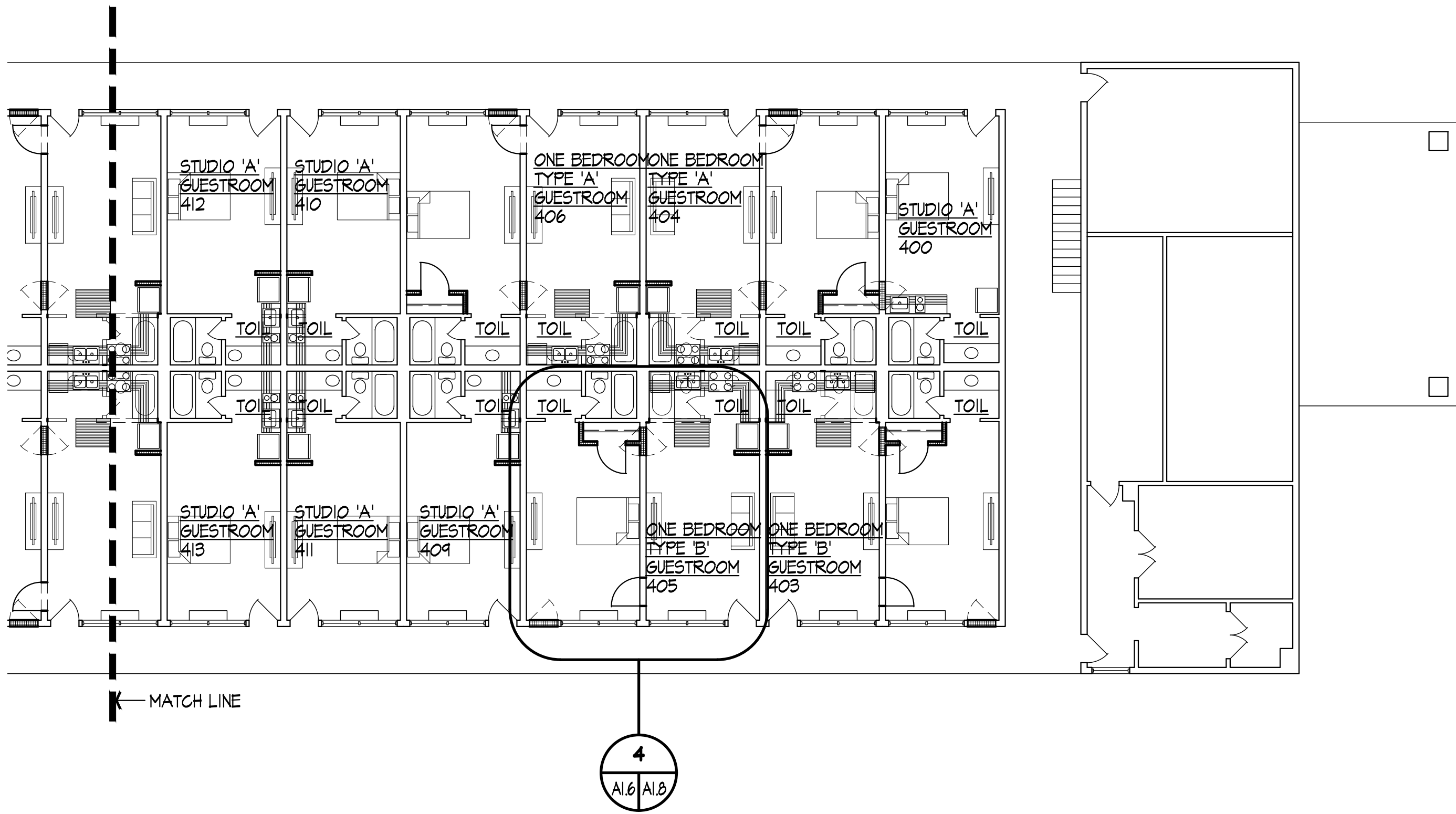
GA PERRY VALLEY APARTMENTS 200 VALLEY DRIVE PERRY, GEORGIA

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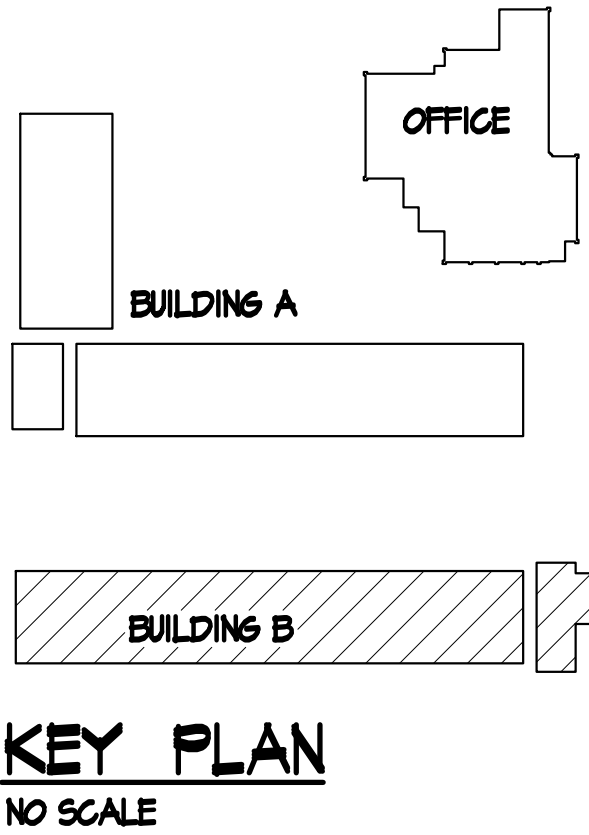
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FACILITY UNIT MIX								
TYPE	STUDIO A	STUDIO B	ADA STUDIO	1 BEDROOM TYPE A	1 BEDROOM TYPE B	1 BEDROOM TYPE C	ADA 1 BEDROOM	TOTAL
BUILDING A FIRST	24	0	1	12	0	1	3	46
BUILDING A SECOND	36	2	0	12	0	0	0	50
BUILDING B FIRST	26	0	0	5	0	0	3	34
BUILDING B SECOND	22	0	0	8	2	0	0	32
TOTAL	113	2	1	37	2	1	6	162



SECOND FLOOR PLAN - BUILDING B
SCALE 3/32" = 1'-0"



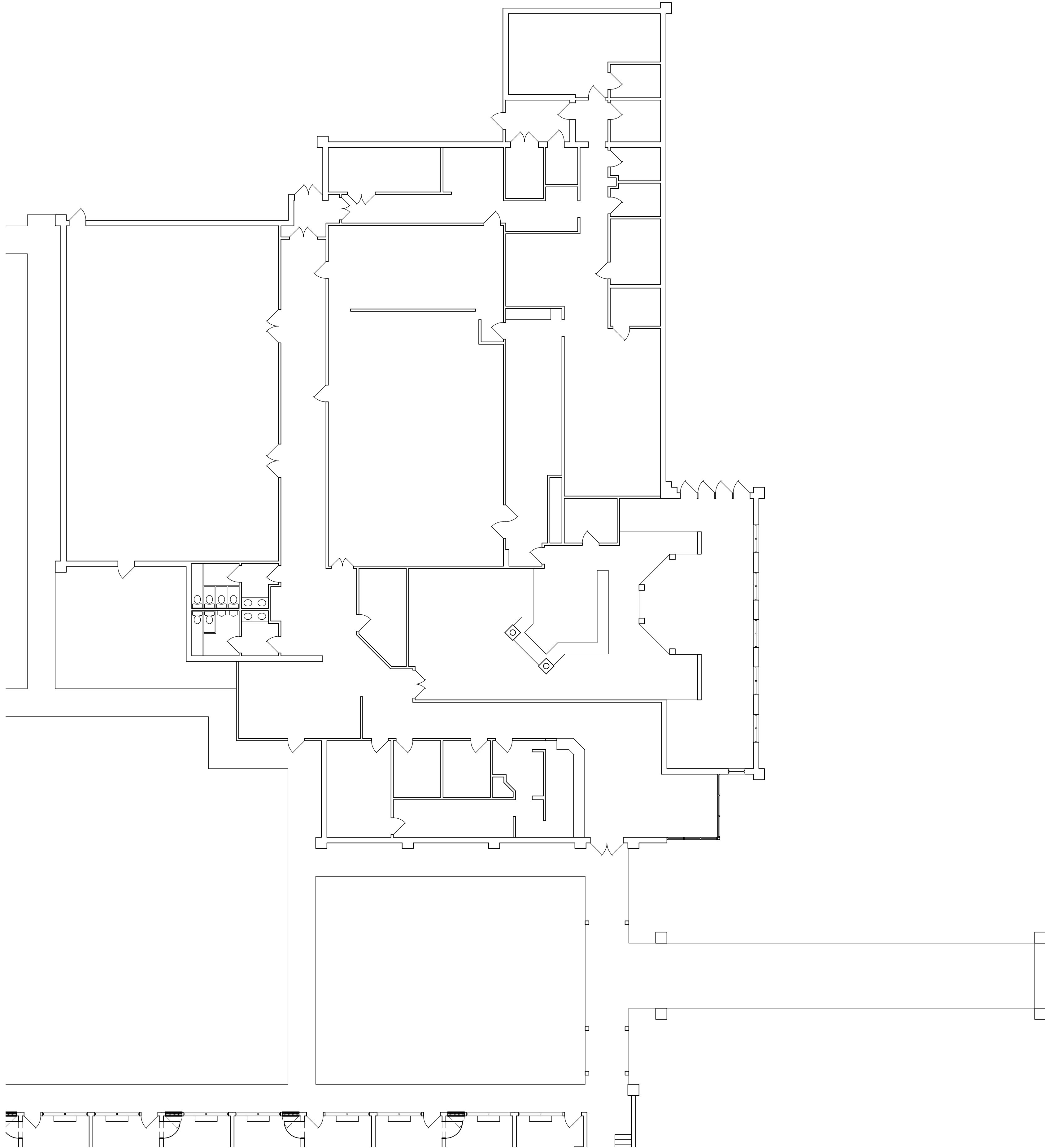
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GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

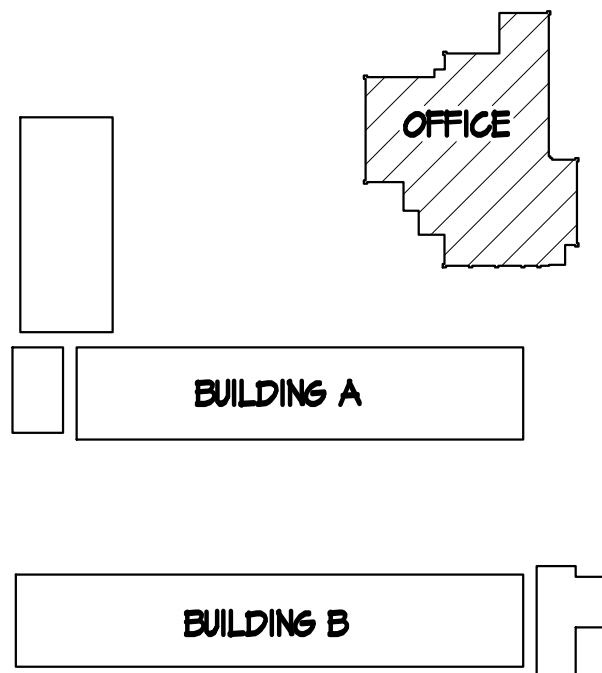
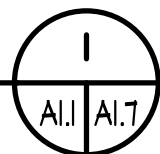
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OFFICE FLOOR PLAN
SCALE 3/32" = 1'-0"



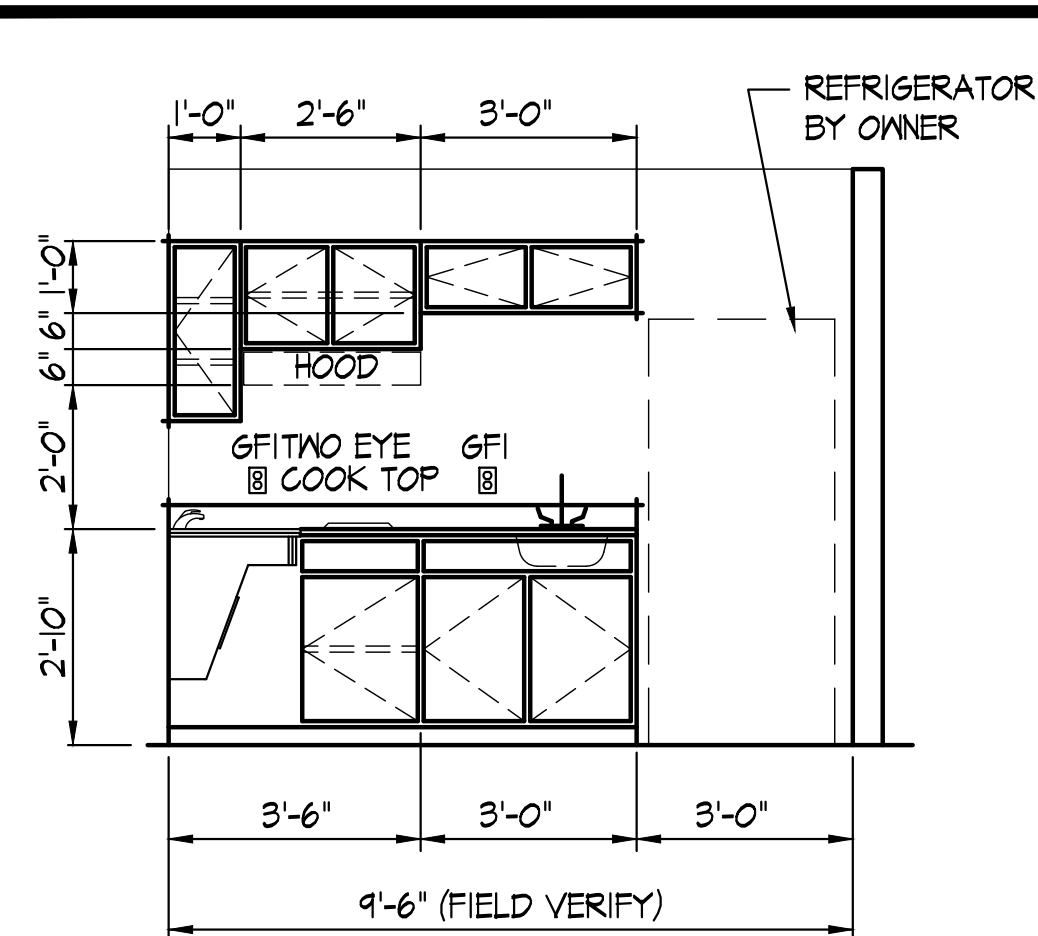
KEY PLAN
NO SCALE

REVISION	DATE
1	
2	
3	

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

PROJECT ARCHITECT
RLJ JR
TECHNICIANS
DVJ
COMMISSION NUMBER
2426
DATE
14 MAR 2023

A1.7

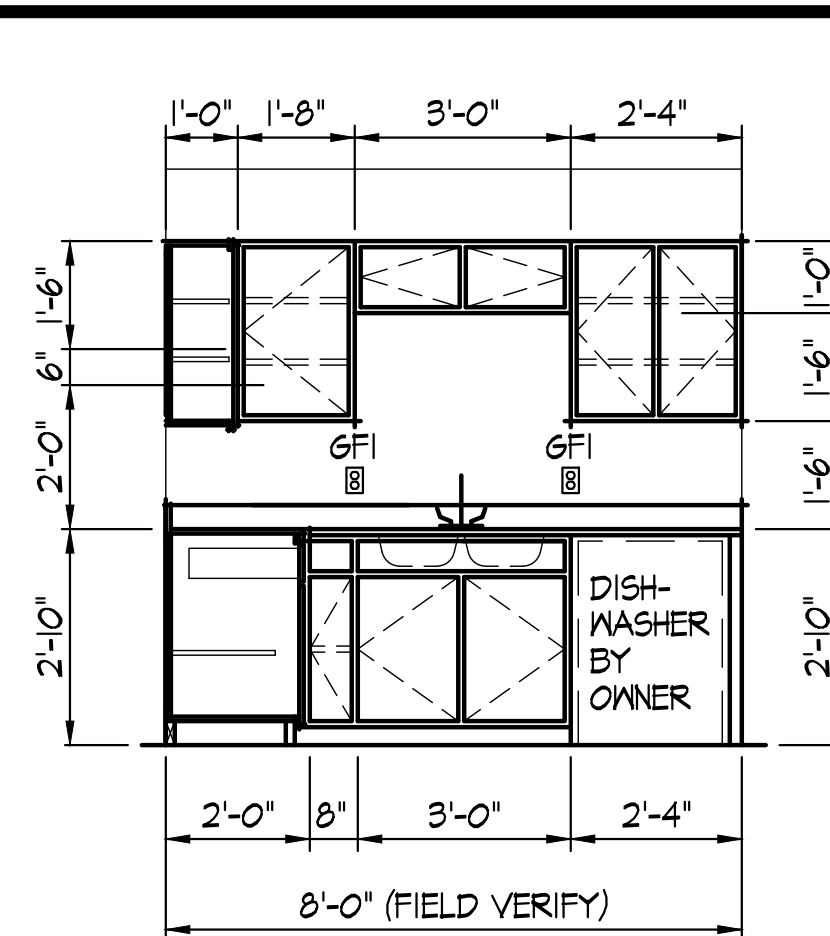


ELEVATION

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

5

Al.B Al.B

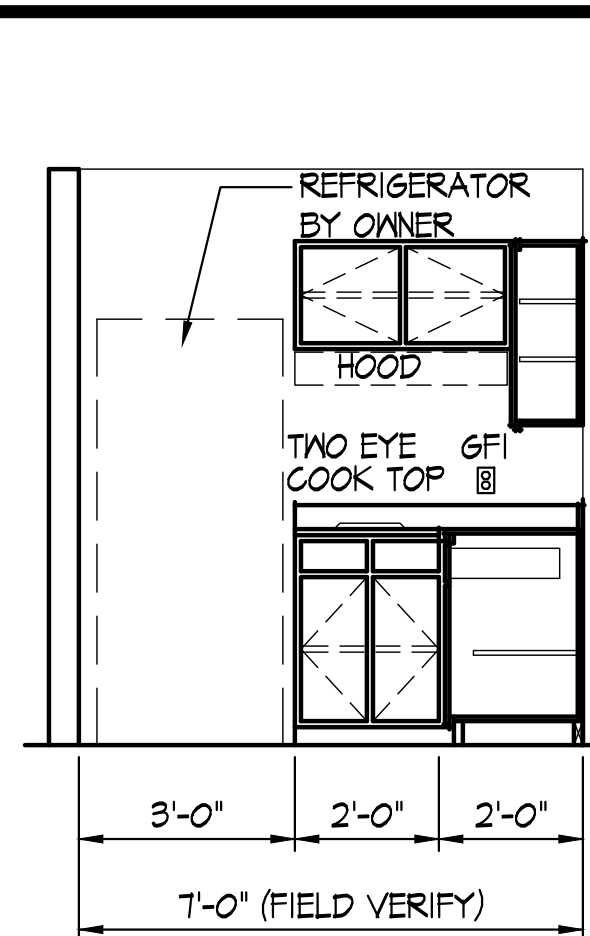


ELEVATION

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

6

A1.8 A1.8

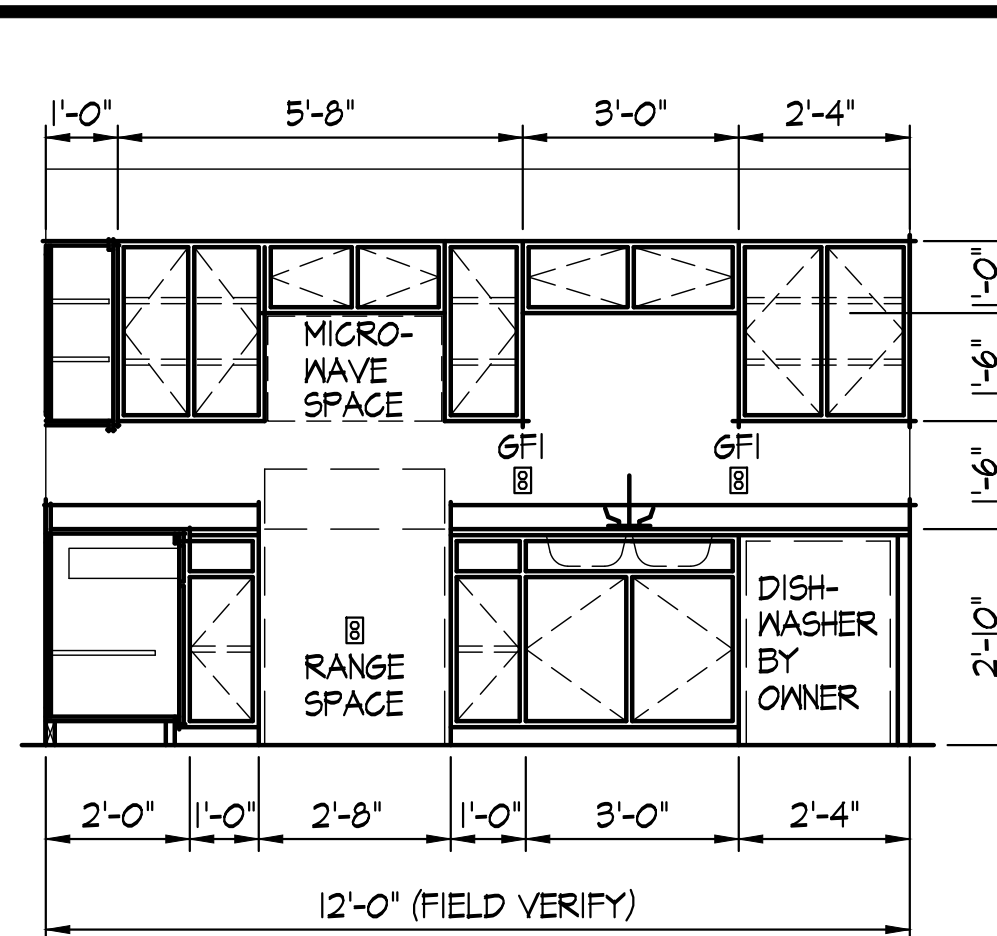


ELEVATION

SCALE 3/8" = 1'-0"

7

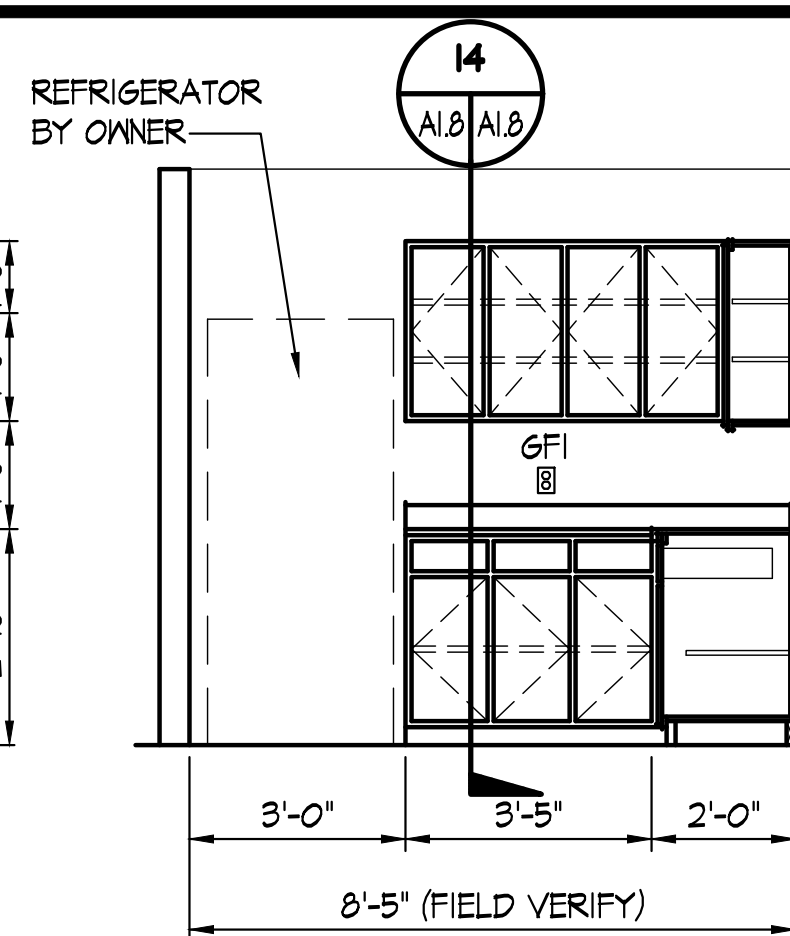
Al.B Al.B



ELEVATION

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

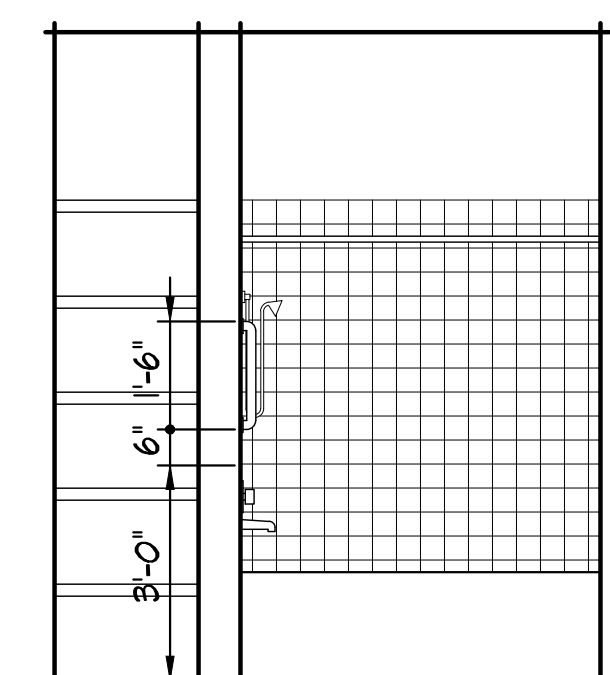
MIRRORED FOR TYPE 'B' UNITS



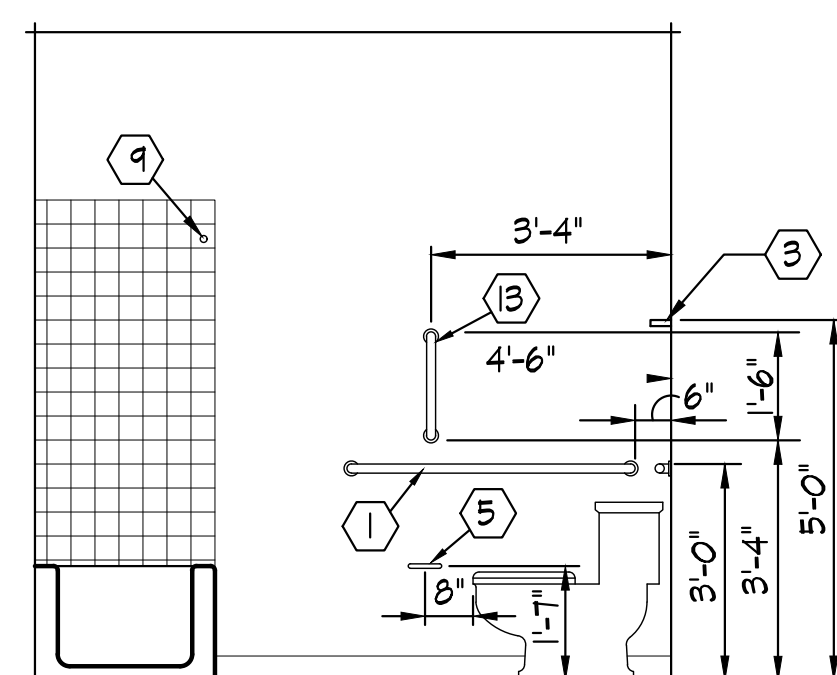
ELEVATION

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

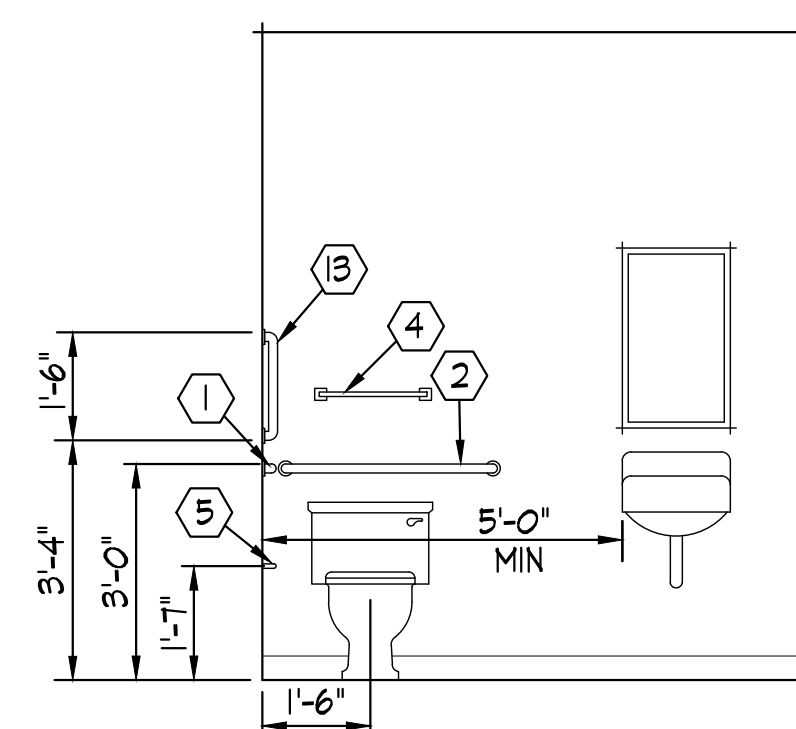
MIRRORED FOR TYPE 'B' UNITS



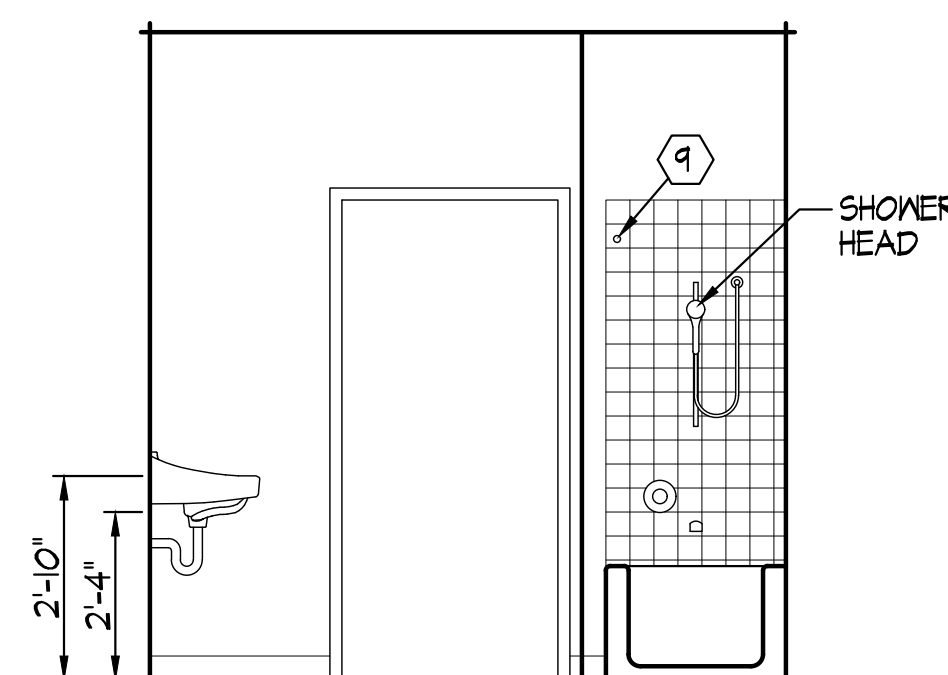
ELEVATION
SCALE 3/8" = 1'-0"



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



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

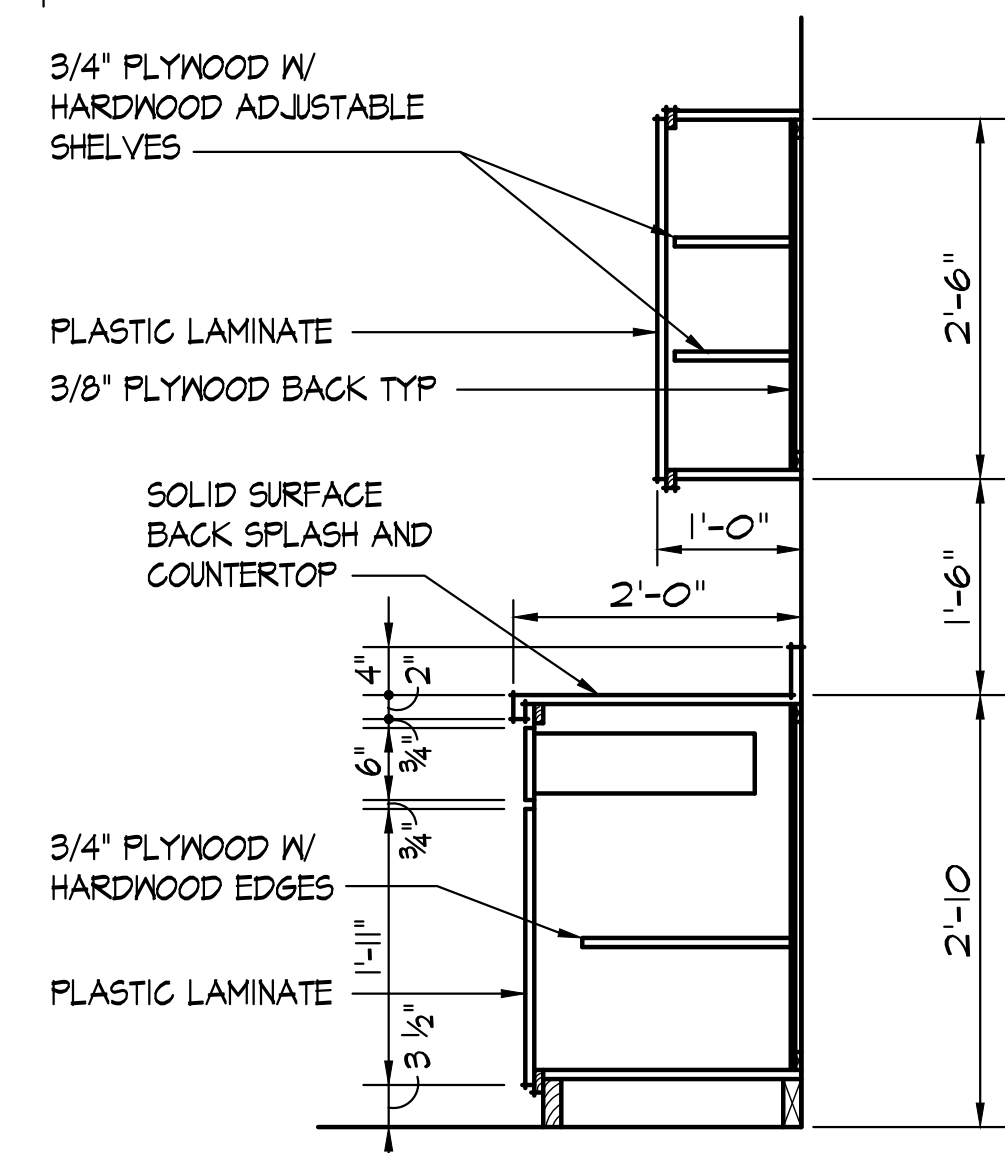


ELEVATION

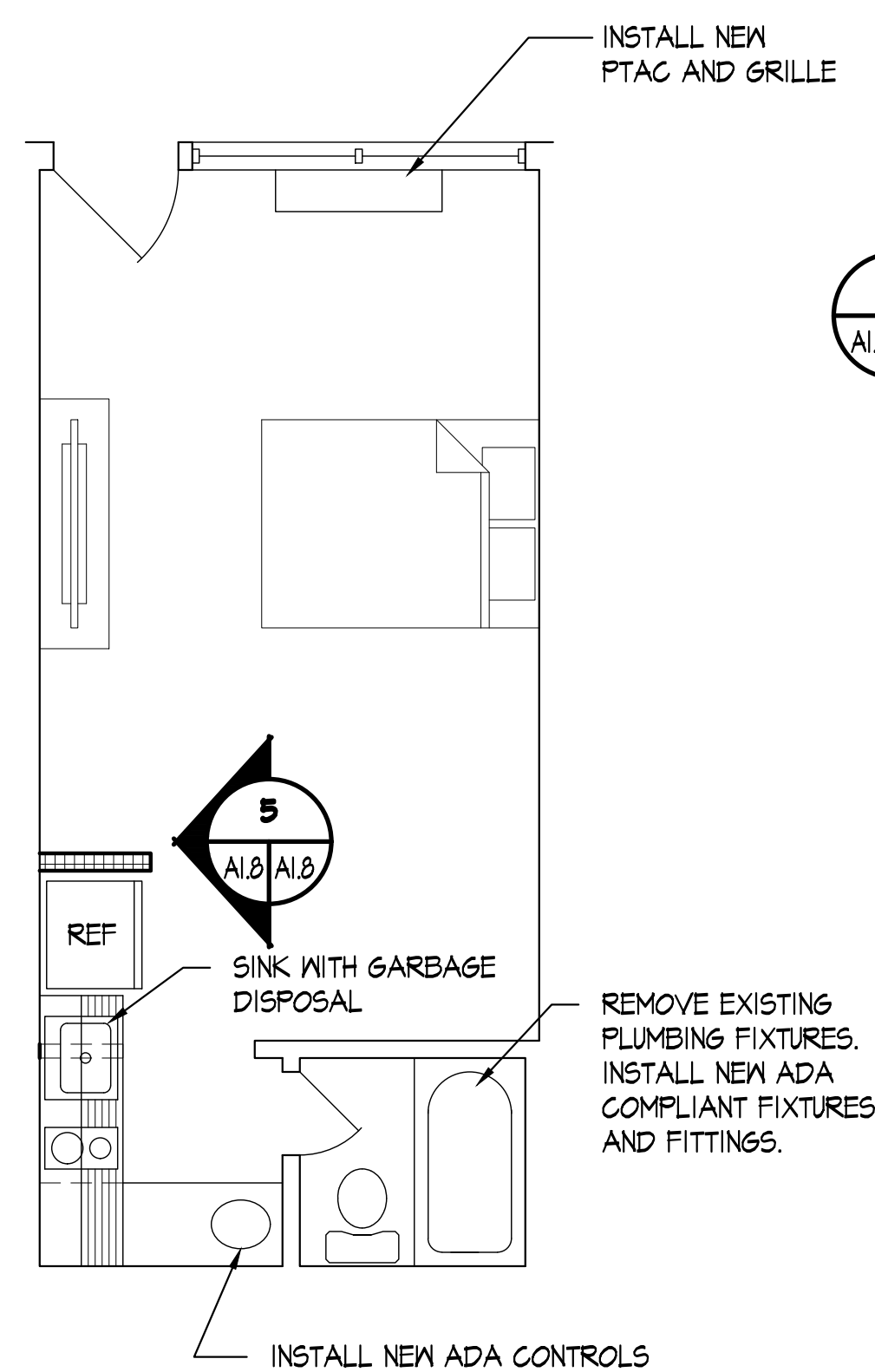
SCALE 3/8" = 1'-0"

13

A1.8 A1.8

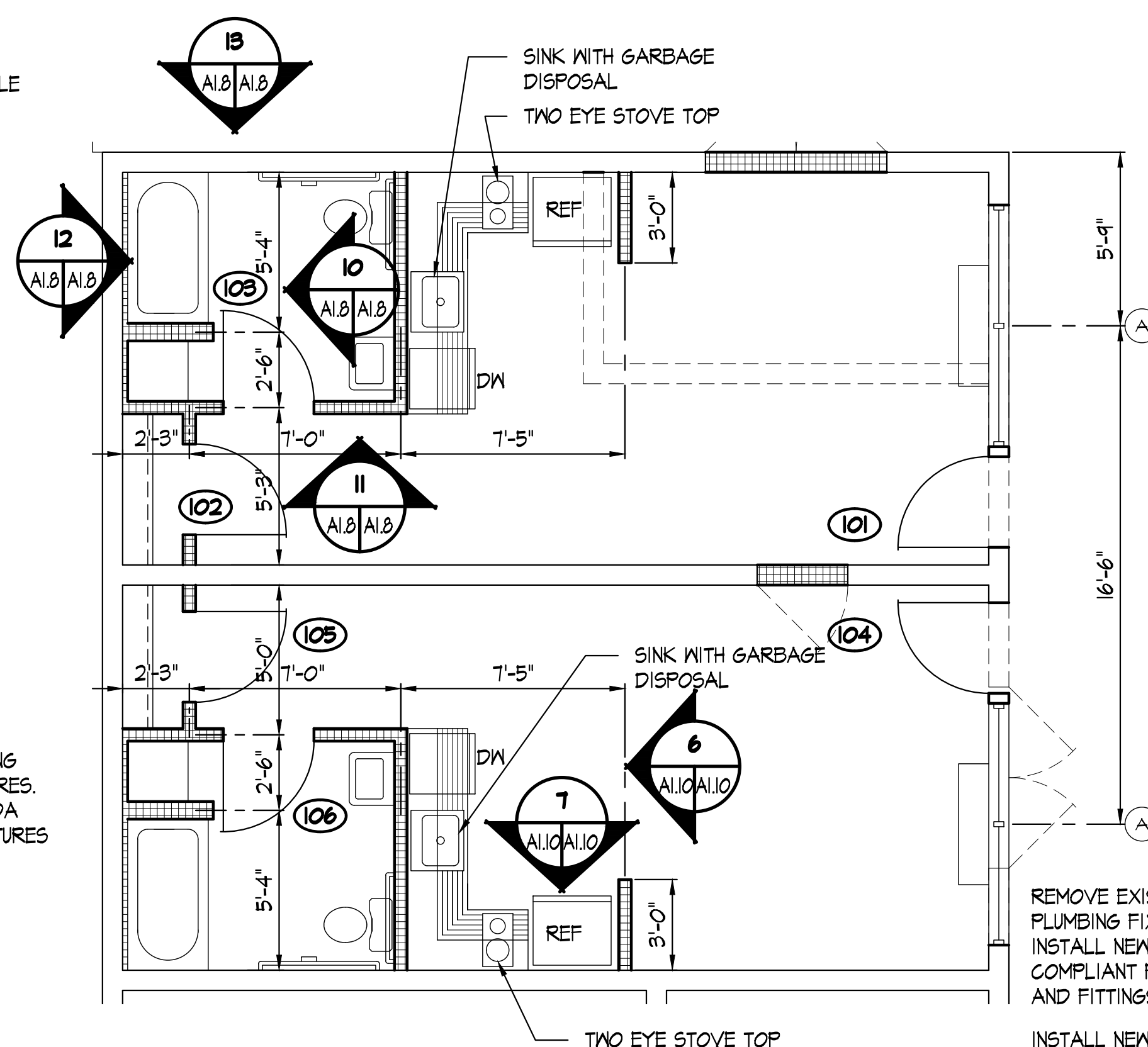


CABINET SECTION 14
SCALE 3/4" = 1'-0" A1.8 | A1.8



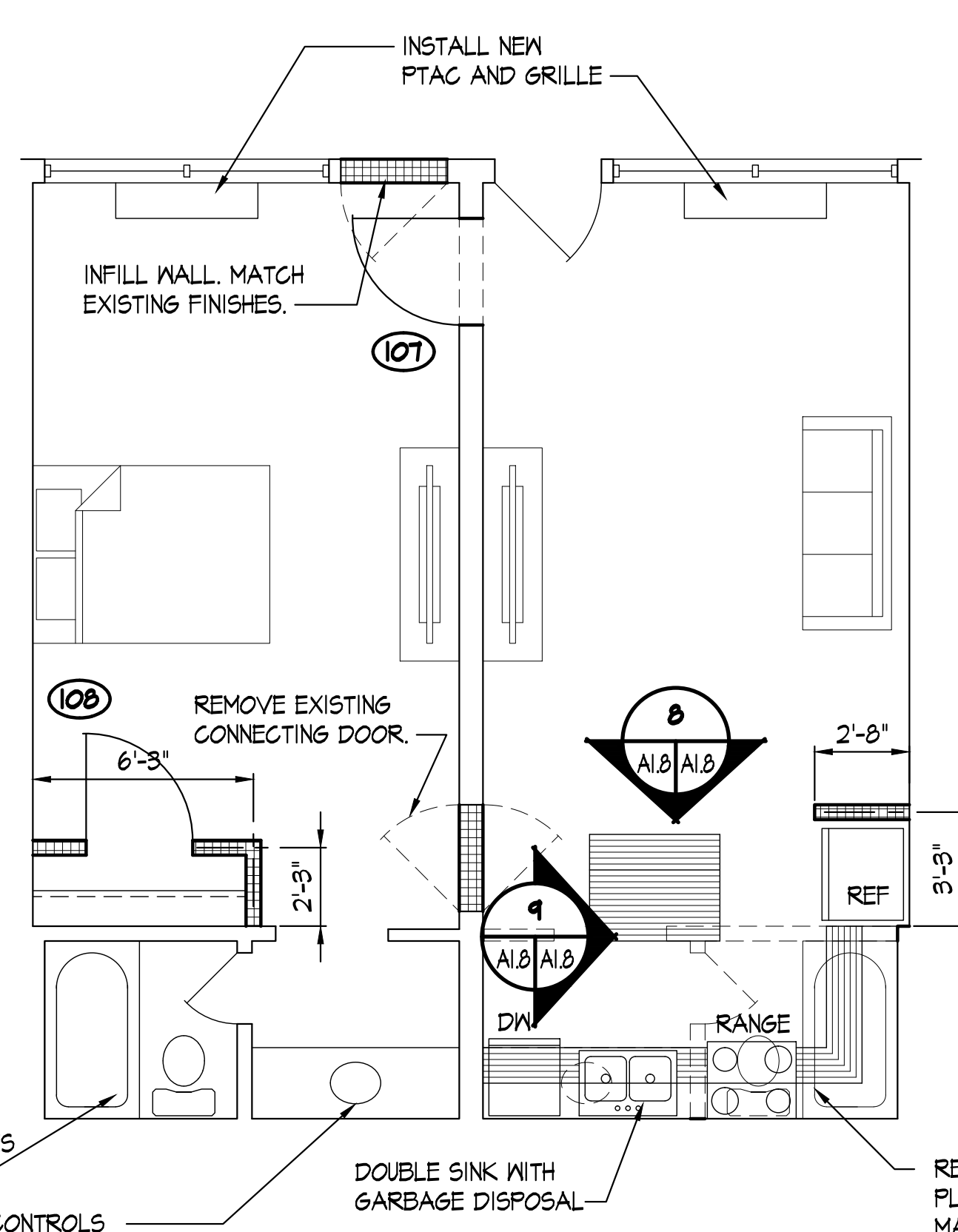
STUDIO GUESTROOM TYPE 'A'

SCALE 1/4" = 1'-0"

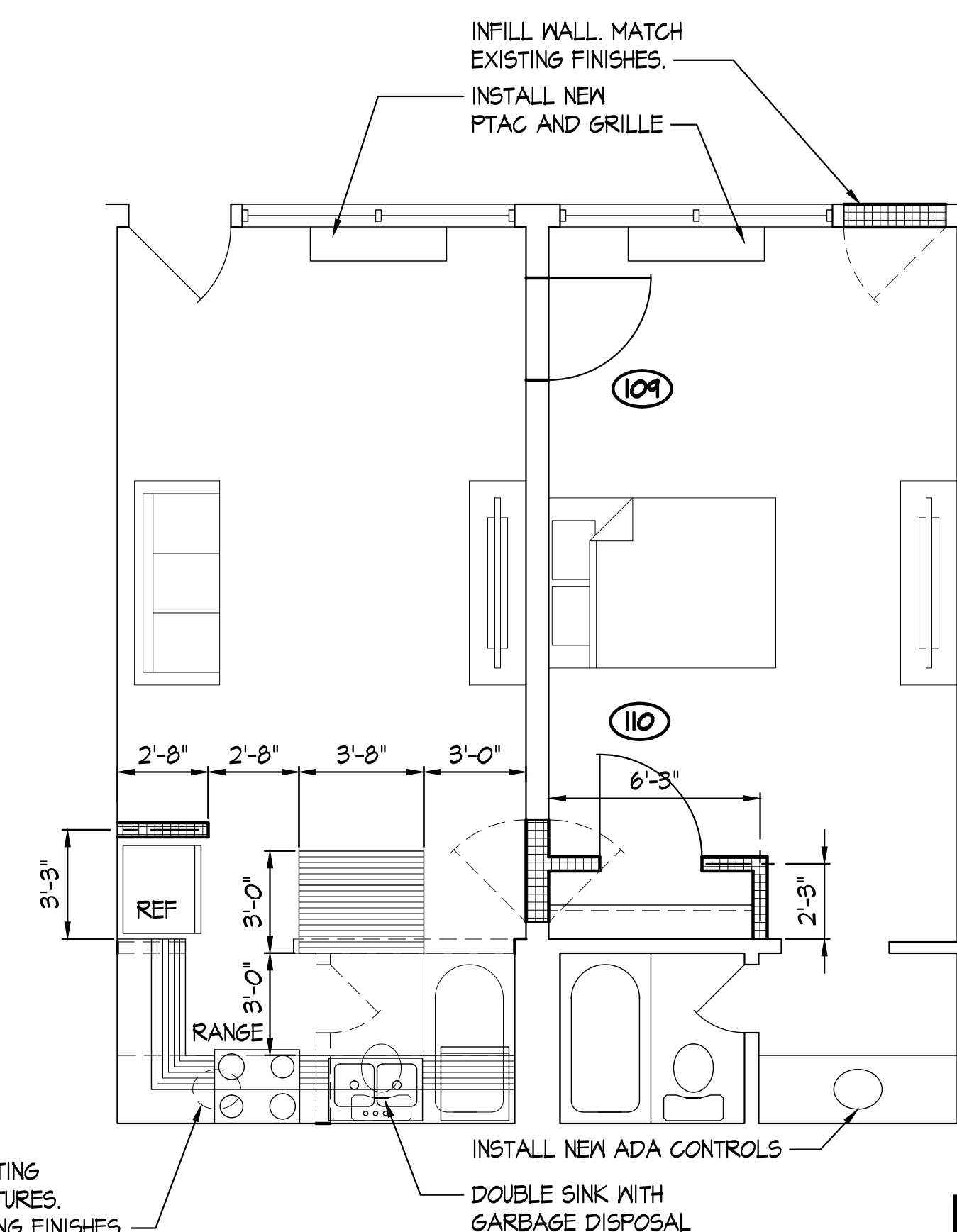


STUDIO GUESTROOM TYPE 'B'

SCALE 1/4" = 1'-0"



ONE BEDROOM
GUESTROOM TYPE 'A' 3
SCALE 1/4" = 1'-0" A1.3 A1.2



ONE BEDROOM
GUESTROOM TYPE 'B'
SCALE 1/4" = 1'-0"

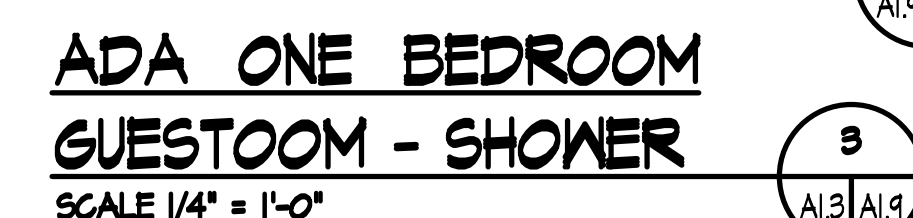
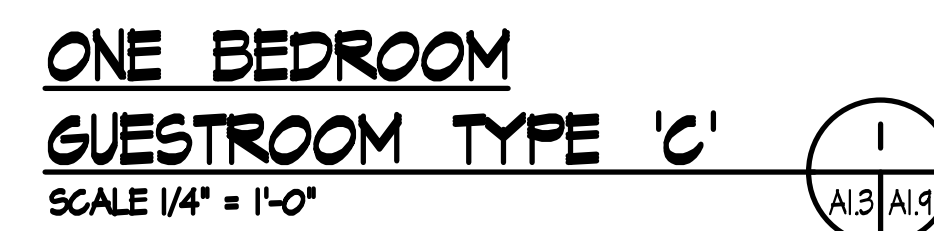
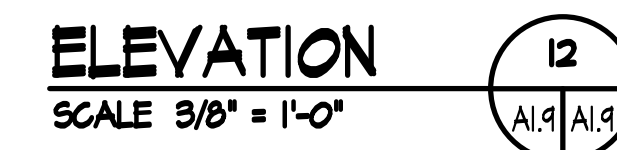
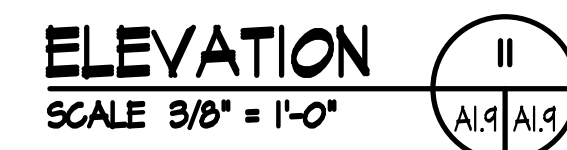
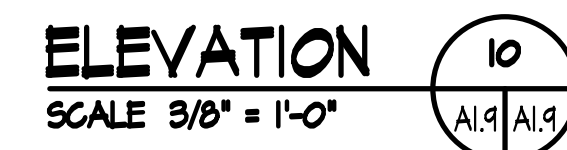
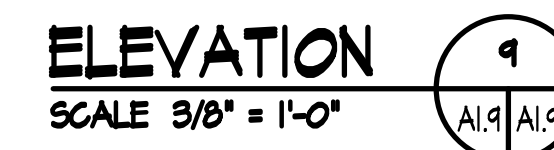
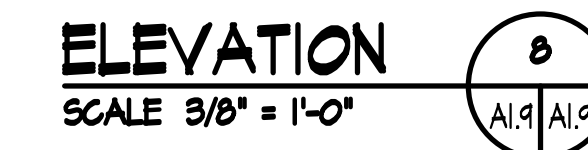
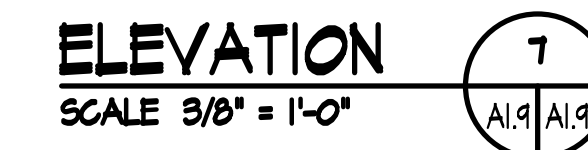
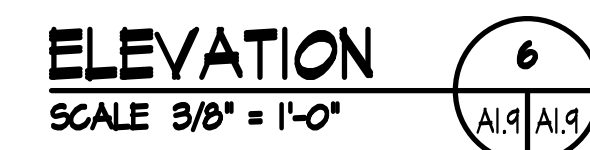
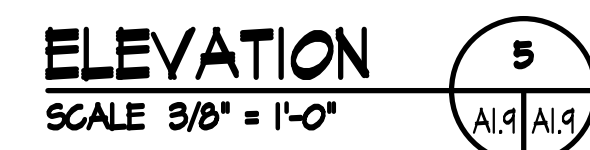
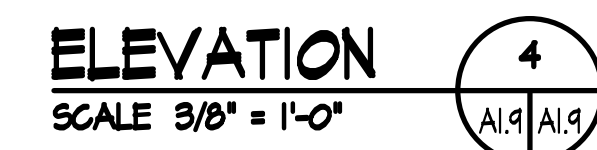
REVISION	DATE
1	
2	
3	

**GA PERRY VALLEY
APARTMENTS**
200 VALLEY DRIVE
PERRY, GEORGIA

PROJECT ARCHITECT
RLJ JR
TECHNICIANS
DVJ
COMMISSION NUMBER
2926
DATE
14 MAR 2023

A1.8

JONES & JONES ASSOCIATES ARCHITECTS PC



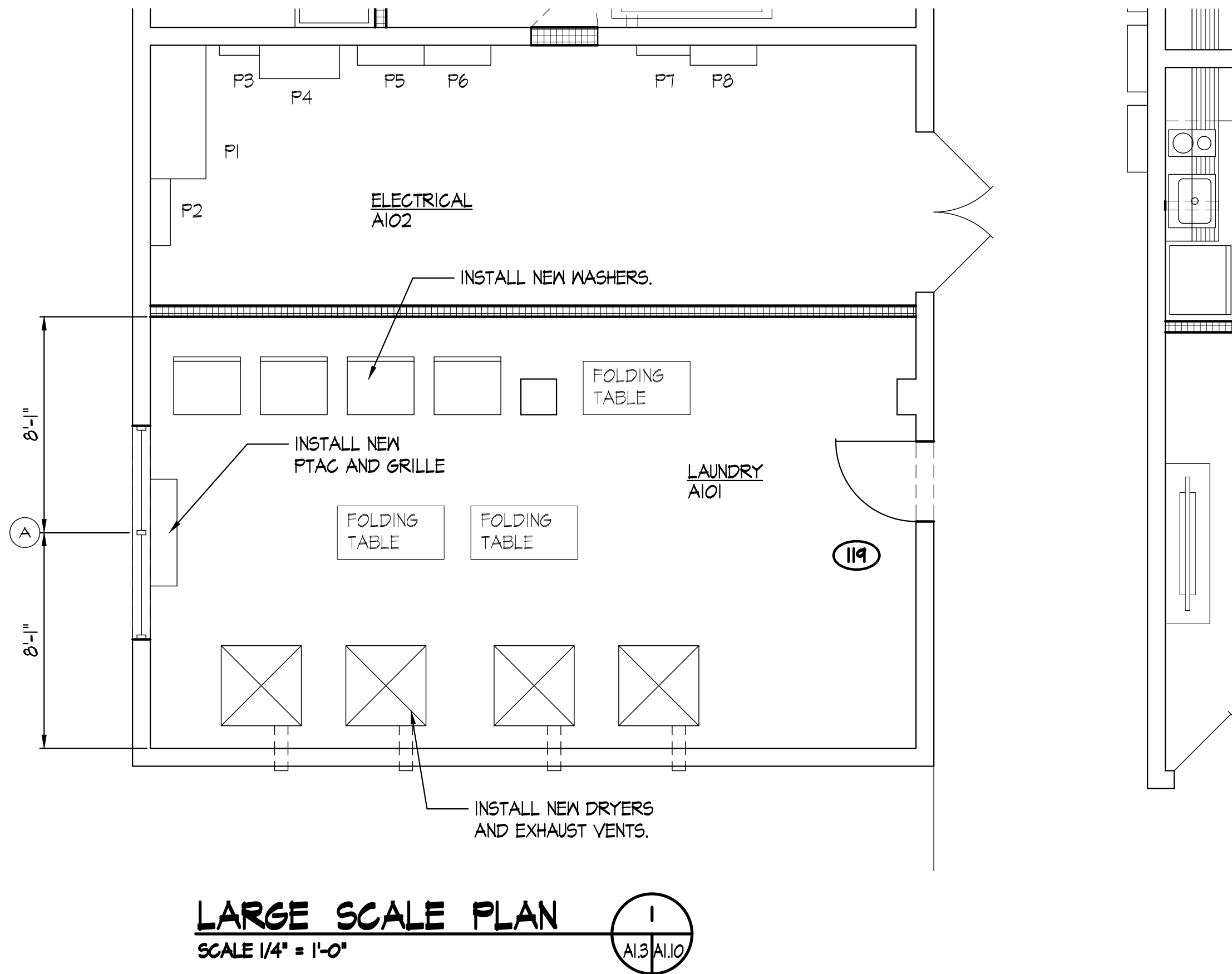
RE - 23

**GA PERRY VALLEY
APARTMENTS**
200 VALLEY DRIVE
PERRY, GEORGIA

PROJECT ARCHITECT
RLJ JR
TECHNICIANS
DVJ
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DATE
14 MAR 2023

A1.9

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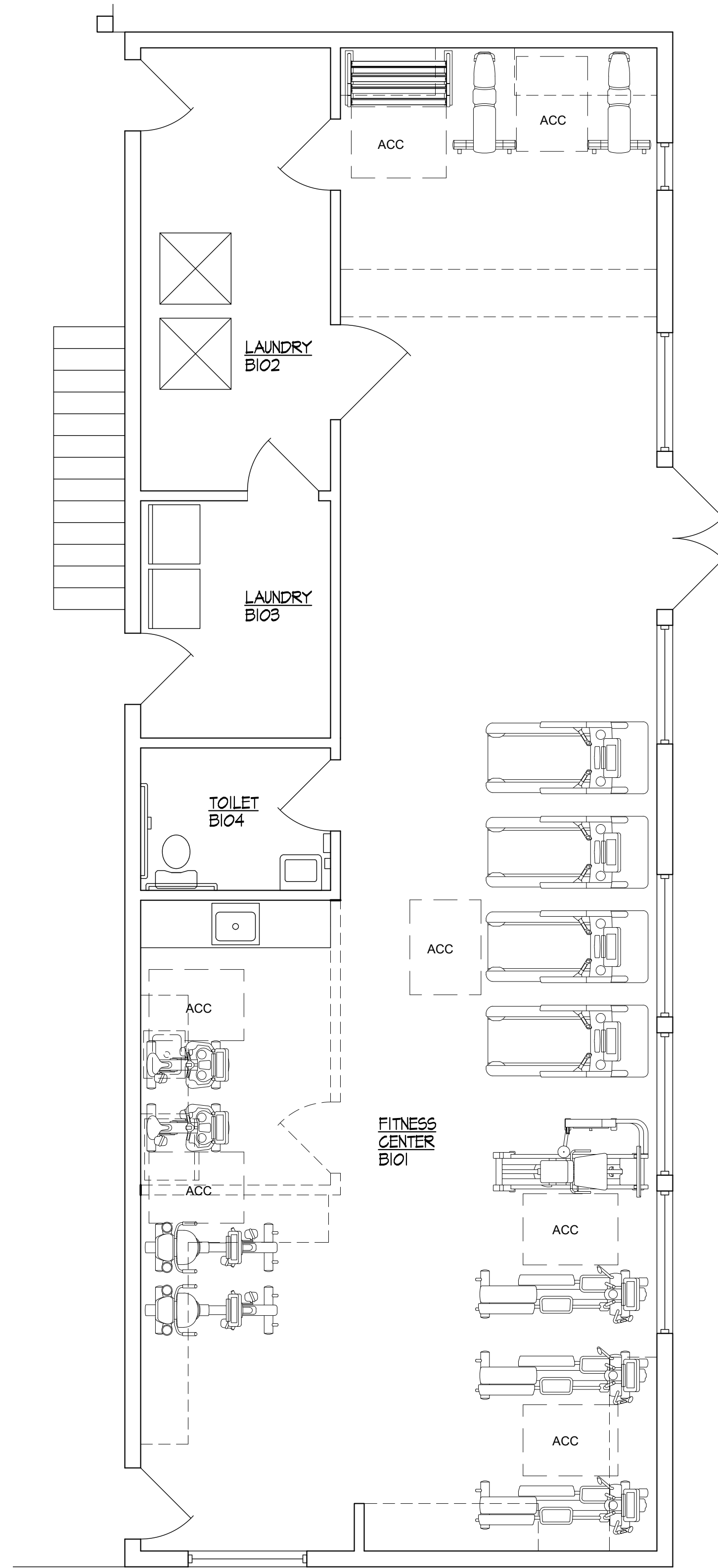


LARGE SCALE PLAN
SCALE 1/4" = 1'-0"

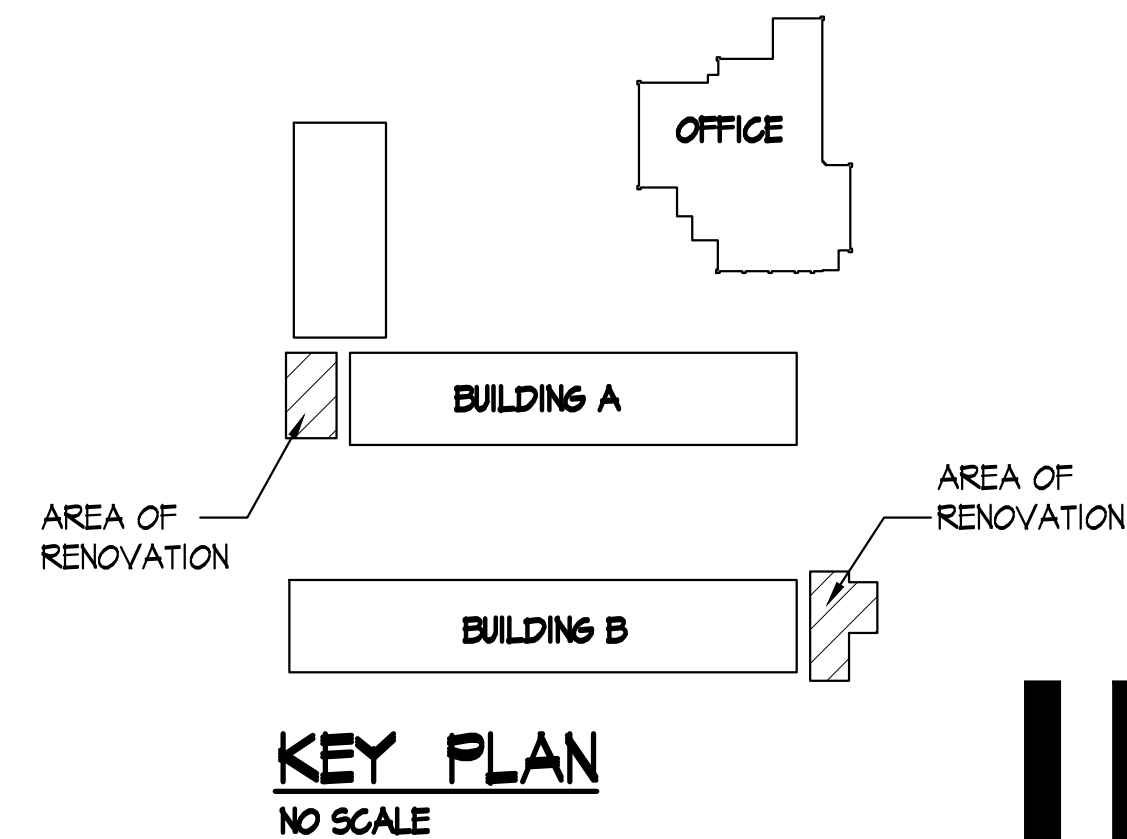
LEGEND

- NEW PARTITION
- EXISTING PARTITION
- PARTITION TO BE REMOVED

- NOTE
- ALL EXISTING EGRESS PATTERNS AND EMERGENCY LIGHTING TO REMAIN
 - ALL MECHANICAL, PLUMBING AND ELECTRICAL DESIGNS SHALL RECONNECT TO EXISTING AND PROVIDE COMPLETE COVERAGE
 - PATCH AND PAINT EXISTING WALLS AS NECESSARY
 - ALL TENANT UPGRADES MEET ADA REQUIREMENTS
 - FIELD VERIFY ALL EXISTING CONDITIONS
 - MATCH ALL EXISTING FINISHES



LARGE SCALE PLAN
SCALE 1/4" = 1'-0"



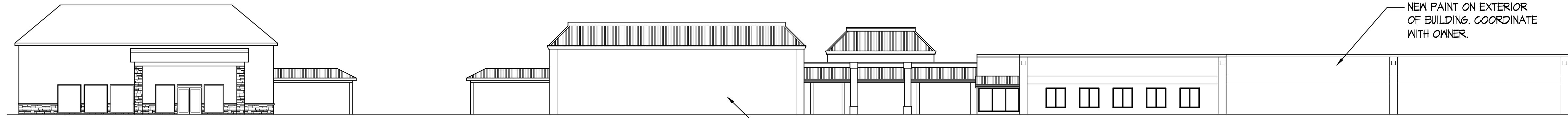
**GA PERRY VALLEY
APARTMENTS**
200 VALLEY DRIVE
PERRY, GEORGIA

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RLJ JR.
TECHNICIANS
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A1.10

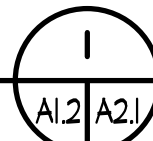
REVISION DATE
1 2 3

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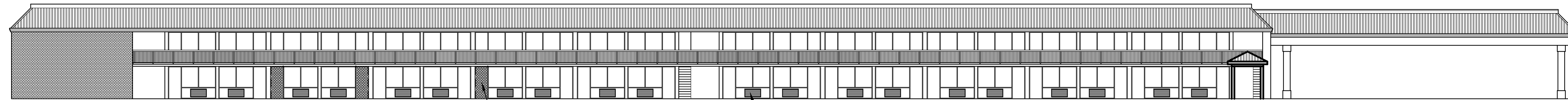


FRONT ELEVATION

SCALE 1/16" = 1'-0"

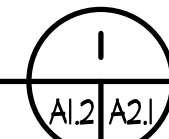


NEW PAINT ON EXTERIOR OF BUILDING. COORDINATE WITH OWNER.



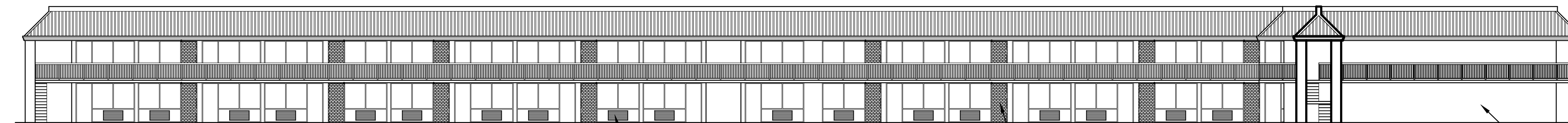
BUILDING A ELEVATION

SCALE 1/16" = 1'-0"



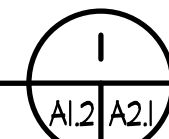
REMOVE EXISTING DOOR AND FRAME. INFILL WITH BRICK. MATCH EXISTING FINISHES.

INSTALL NEW LOUVERS AT ALL PTAC.



BUILDING A ELEVATION

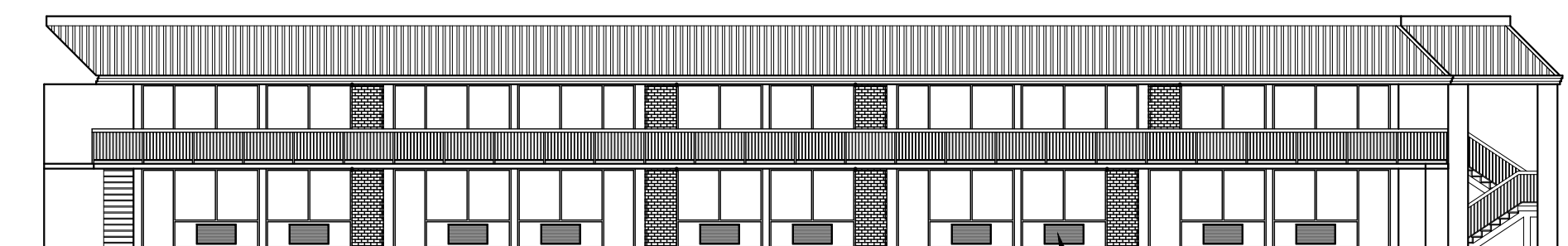
SCALE 1/16" = 1'-0"



INSTALL NEW LOUVERS AT ALL PTAC.

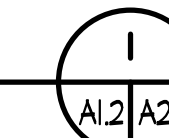
REMOVE EXISTING DOOR AND FRAME. INFILL WITH BRICK. MATCH EXISTING FINISHES.

NEW PAINT ON EXTERIOR OF BUILDING. COORDINATE WITH OWNER.

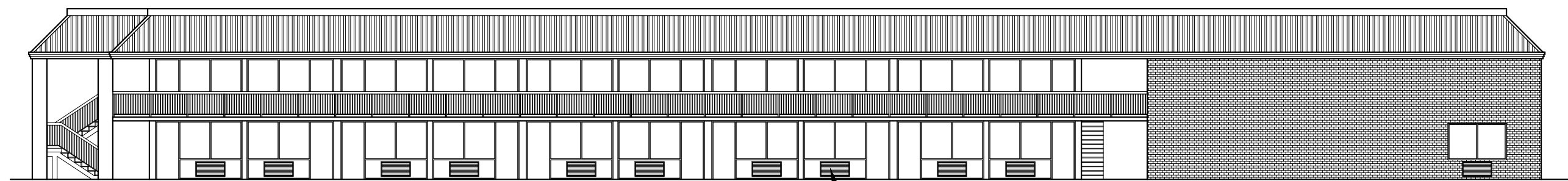


BUILDING A ELEVATION

SCALE 1/16" = 1'-0"

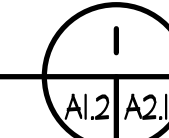


INSTALL NEW LOUVERS AT ALL PTAC.

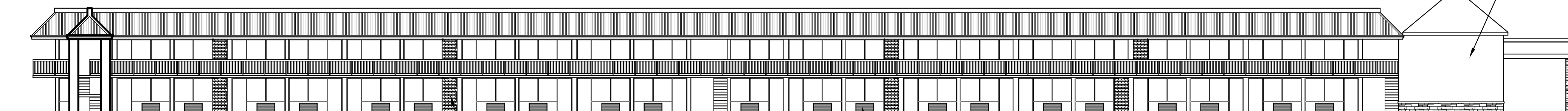


BUILDING A ELEVATION

SCALE 1/16" = 1'-0"



INSTALL NEW LOUVERS AT ALL PTAC.



BUILDING B ELEVATION

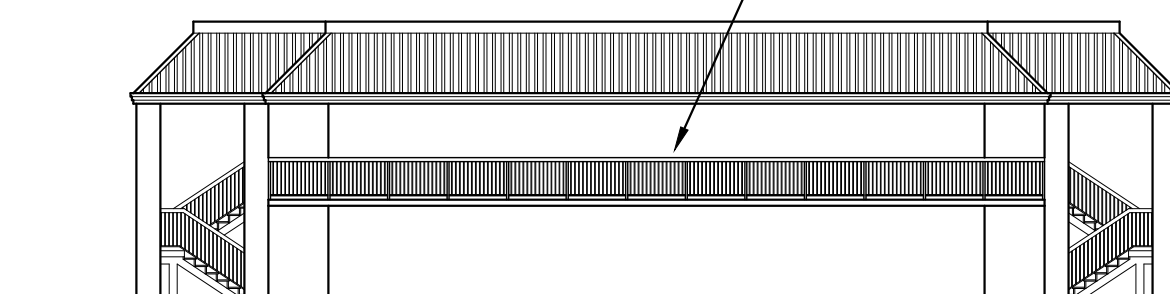
SCALE 1/16" = 1'-0"



REMOVE EXISTING DOOR AND FRAME. INFILL WITH BRICK. MATCH EXISTING FINISHES.

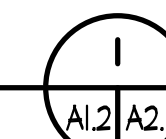
INSTALL NEW LOUVERS AT ALL PTAC.

NEW PAINT ON EXTERIOR OF BUILDING. COORDINATE WITH OWNER.

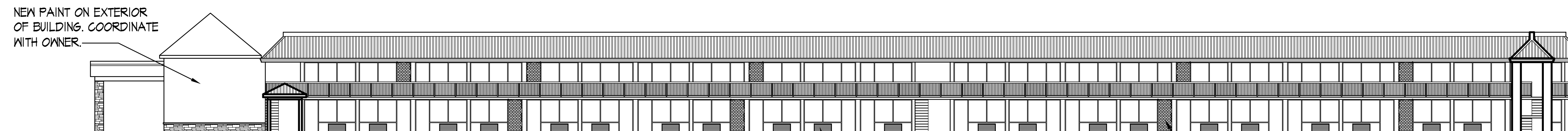


BUILDING B ELEVATION

SCALE 1/16" = 1'-0"

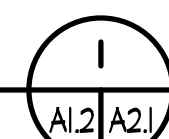


NEW PAINT ON EXTERIOR OF BUILDING. COORDINATE WITH OWNER.



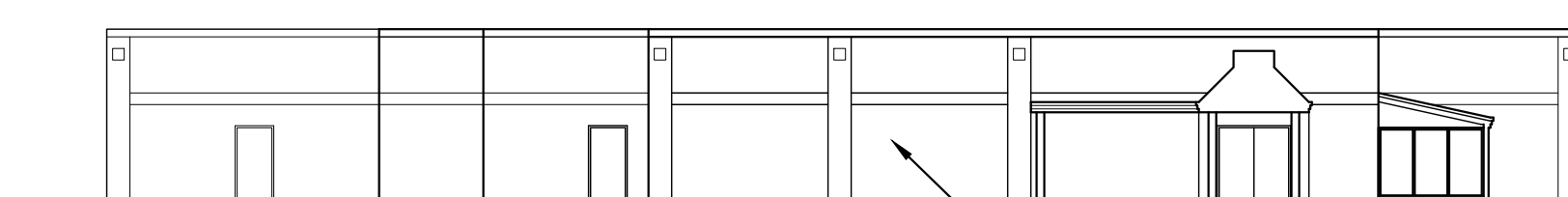
BUILDING B ELEVATION

SCALE 1/16" = 1'-0"



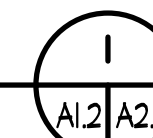
INSTALL NEW LOUVERS AT ALL PTAC.

REMOVE EXISTING DOOR AND FRAME. INFILL WITH BRICK. MATCH EXISTING FINISHES.

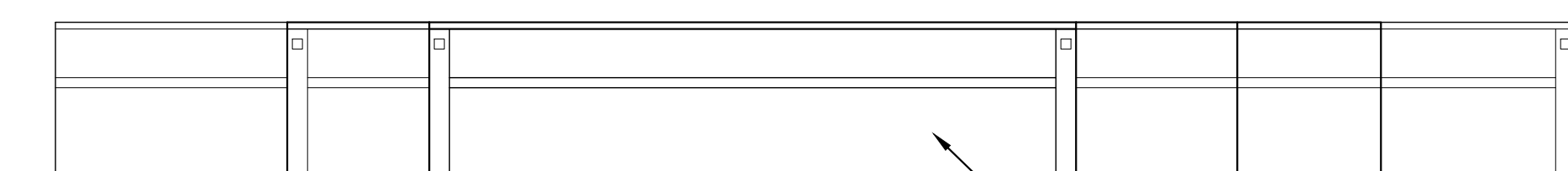


OFFICE ELEVATION

SCALE 1/16" = 1'-0"

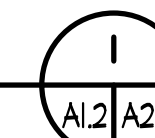


NEW PAINT ON EXTERIOR OF BUILDING. COORDINATE WITH OWNER.

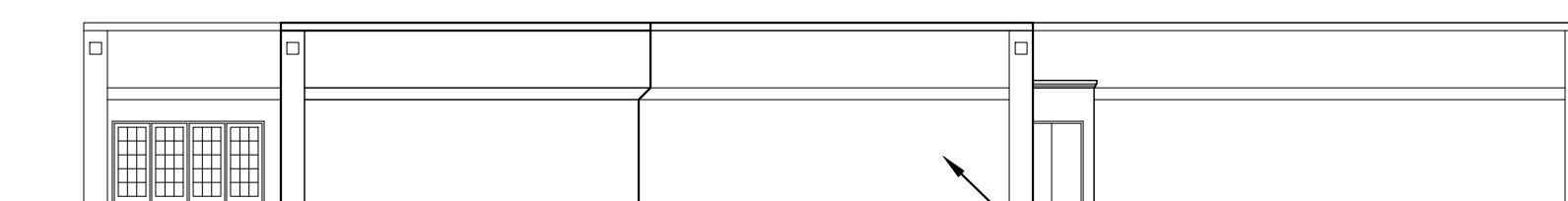


OFFICE ELEVATION

SCALE 1/16" = 1'-0"

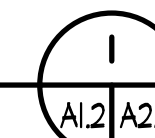


NEW PAINT ON EXTERIOR OF BUILDING. COORDINATE WITH OWNER.



OFFICE ELEVATION

SCALE 1/16" = 1'-0"



NEW PAINT ON EXTERIOR OF BUILDING. COORDINATE WITH OWNER.

REVISION DATE
1 2 3

**GA PERRY VALLEY
APARTMENTS**
200 VALLEY DRIVE
PERRY, GEORGIA

PROJECT ARCHITECT
RLJ JR
TECHNICIANS
DVJ
COMMISSION NUMBER
2426
DATE
14 MAR 2023

A2.1

JONES & JONES ASSOCIATES ARCHITECTS PC

FINISH SCHEDULE																		
MARK	SPACE	FLOOR						WALL		BASE		CEILING		REMARKS				
		FINISH						MATERIAL	FINISH	MATERIAL	MATERIAL	HEIGHT						
		CPT-1	VF-1	S/F-1	O/F-1	O/F-2	O/F-3	CONCRETE	CONCRETE	PVC-1	G/F-1	G/F-2	G/F-3		O/F-2	NO-F	SYSTM	ACT-1
A101	LAUNDRY						●		●	●		●					●	EXISTING
A102	ELECTRICAL						●		●	●		●						EXISTING
B101	FITNESS CENTER																●	EXISTING
B102	LAUNDRY																●	EXISTING
B103	LAUNDRY																●	EXISTING
B104	TOILET																●	EXISTING
	GUEST ROOM	●						●	●		●						●	EXISTING

FINISH LEGEND

CPT-1 CARPET TILE
MFR: INTERFACE
COLLECTION: TBD
STYLE: TBD
COLOR: TBD

VCT-1 VINYL COMPOSITE TILE
MFR: TBD
COLLECTION: TBD
COLOR: TBD

RB-1 RUBBER BASE
MFR: JOHNSONITE
COLLECTION: DIPLOMAT
COLOR: TBD
SIZE: TBD

ACT-1 ACOUSTICAL CEILING TILE
MFR: ARMSTRONG CEILING TILE
TYPE: FINE FISSURED

PNT-1 PAINT
MFR: SHERWIN WILLIAMS
NOTE: SEE SPEC FOR INFORMATION

DOOR SCHEDULE							
DOOR			FRAME DETAILS			HDN SET NO	REMARKS
MARK	SIZE	TYPE	HEAD	JAMB			
101	3-0 x 7-0 x 1 1/8	A	1	2		5	
102	3-0 x 7-0 x 1 1/8	A	3	4		3	
103	3-0 x 7-0 x 1 1/8	A	3	4		1	
104	3-0 x 7-0 x 1 1/8	A	1	2		5	
105	3-0 x 7-0 x 1 1/8	A	3	4		3	
106	3-0 x 7-0 x 1 1/8	A	3	4		1	
107	3-0 x 7-0 x 1 1/8	A	3	4		1	
108	3-0 x 7-0 x 1 1/8	A	3	4		3	
109	3-0 x 7-0 x 1 1/8	A	3	4		1	
110	3-0 x 7-0 x 1 1/8	A	3	4		3	
111	3-0 x 7-0 x 1 1/8	A	1	2		5	
112	3-0 x 7-0 x 1 1/8	A	3	4		1	
113	3-0 x 7-0 x 1 1/8	A	3	4		3	
114	3-0 x 7-0 x 1 1/8	A	3	4		1	
115	3-0 x 7-0 x 1 1/8	A	3	4		1	
116	3-0 x 7-0 x 1 1/8	A	3	4		1	
117	3-0 x 7-0 x 1 1/8	A	3	4		3	
118	3-0 x 7-0 x 1 1/8	A	3	4		1	
119	3-0 x 7-0 x 1 1/8	A	1	2		4	

FINISHING HARDWARE

Set Number 1

- 1 Lockset - Sargent - 65065 - KL - 26D
- 3 Hinges - Hager - BB050 US26D 4 1/2 x 4 1/2
- 1 Bumper - Ives - 40B 1/2 - US26D
- 4 Silencer

Set Number 2

- 1 Passage Lock - Sargent - 65U15 - 26D
- 6 Hinges - Hager - BB850 US26D 4 1/2 x 4 1/2
- 2 Bumper - Ives - 408 1/2 - US26D
- 1 Lever Pull - Sargent - 65U93 - 26D
- 6 Silencer
- 1 Flush Bolt

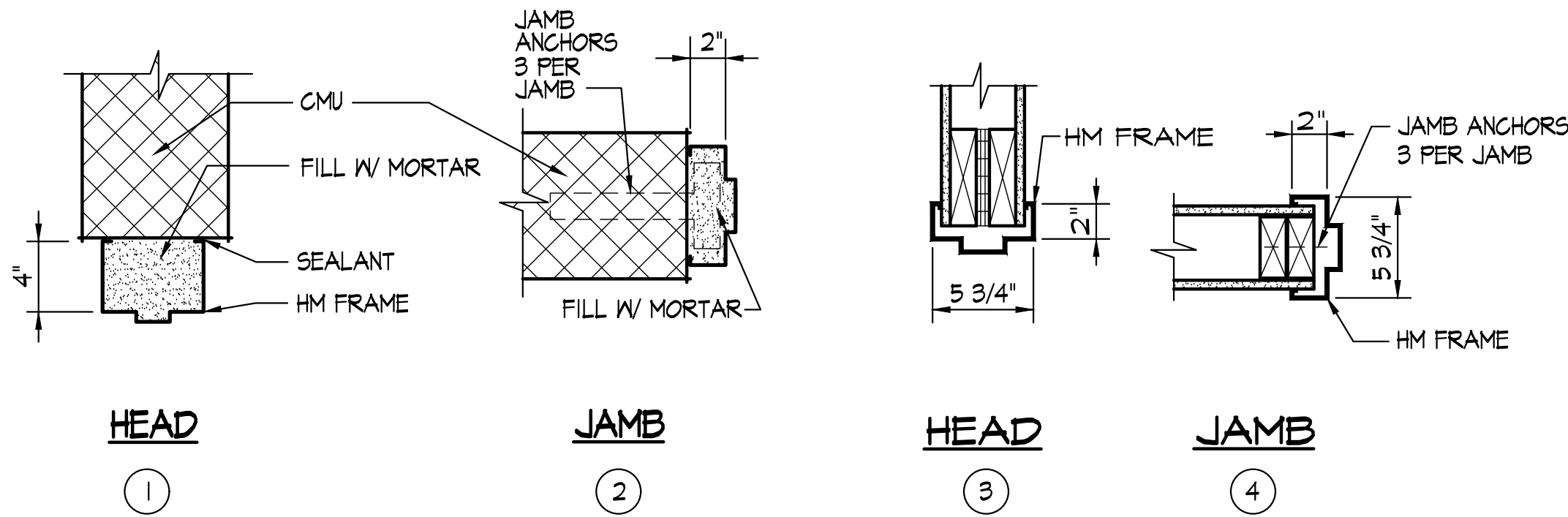
Set Number 3
1 Lockset - Sargent - 65093 - KL - 26D
1 Ball Catch - Ives - 346 - U526D
3 Hinges - Hager - BB050 U526D 4 1/2 x 4 1/2
1 Bumper - Ives - 40B 1/2 - U526D
4 Silencer

Set Number 4

- 1 Exit Device - Sargent - 8500 - KL - 26D
- 3 Hinges - Hager - BB850 US26D 4 1/2 x 4 1/2
- 1 Threshold - National Guard - 42T DKB
- 1 Closer - Sargent - 1430 Parallel Arm - 26D
- 1 Bumper - Ives - 40B 1/2 - US26D
- 4 Silencer
- 1 Weather Stripping - National Guard - 1370 KB
- 1 Door Sweep - National Guard - 200DKB

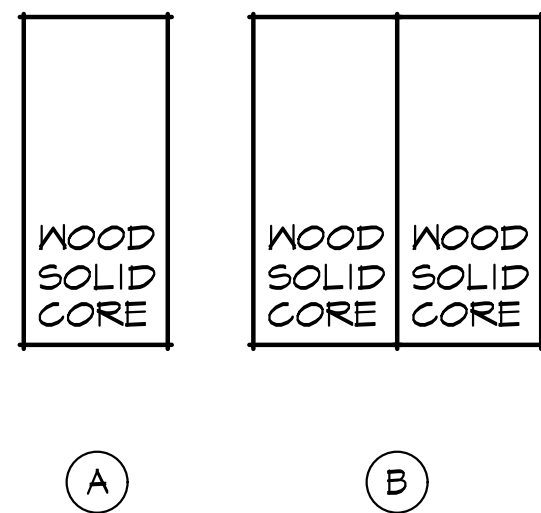
Set Number 5

- 1 Lockset - Sargent - 65605- KL - 26D
- 3 Hinges - Hager - BB850 U526D 4 1/2 x 4 1/2
- 1 Bumper - Ives - 408 1/2 - U526D
- 4 Silencer
- 1 Threshold - National Guard - 427 DKB
- 1 Weather Stripping - National Guard - 1370 KB
- 1 Door Sweep - National Guard - 200DKB



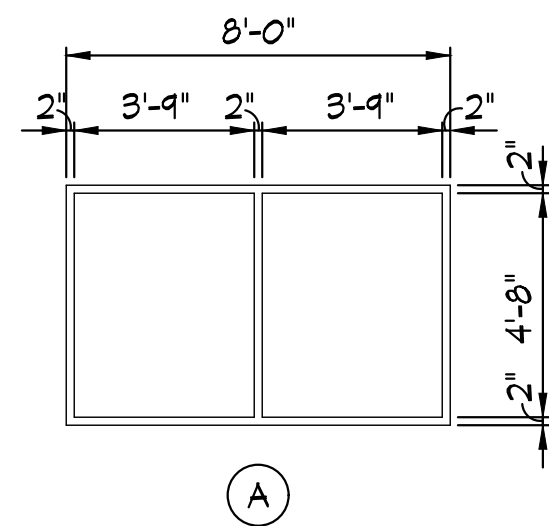
HEAD AND JAMB TYPES

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



DOOR TYPES

SCALE 1/4" = 1'-0"



WINDOW TYPES

SCALE 1/4" = 1'-0"

**GA PERRY VALLEY
APARTMENTS**
200 VALLEY DRIVE
PERRY, GEORGIA

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RLJ JR
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DVJ
COMMISSION NUMBER
2926
DATE
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A5.1

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ABBREVIATIONS & SYMBOLS

A	
AHU	- AIR HANDLING UNIT
ACOUSTICALLY LINED DUCT	
AFF	- ABOVE FINISH FLOOR
AMB	- AMBIENT
B	
BG	- BOTTOM GRILLE
BR	- BOTTOM REGISTER
BTU	- BRITISH THERMAL UNIT
C	
CD	- CEILING DIFFUSER
CFM	- CUBIC FEET PER MINUTE
CUH	- CABINET UNIT HEATER
CU	- CONDENSING UNIT
CRD	- CEILING RADIATION DAMPER
CR	- CEILING REGISTER
CG	- CEILING GRILLE
CO	- CARBON MONOXIDE SENSOR
D	
DIA	- DIAMETER
DB	- DRY BULB
E	
ER	- EXHAUST REGISTER
ESP	- EXTERNAL STATIC PRESSURE
EF	- EXHAUST FAN
F	
FD	- FIRE DAMPER
FSD	- FIRE/SMOKE DAMPER
FLEXIBLE DUCT	
FLEXIBLE DUCT CONNECTOR	
H	
HP	- HORSEPOWER
HP	- HEAT PUMP
I	
IV	- INTAKE VENT
K	
KW	- KILOWATT
KH	- KITCHEN HOOD

L	
LVR	- LOUVER
M	
MVD	- MANUAL VOLUMN DAMPER
MOD	- MOTOR OPERATED DAMPER
MCA	- MAXIMUM CIRCUIT AMPS
MOCP	- MAXIMUM OVER CURRENT PROTECTION
MUA	- MAKE UP AIR
N	
NTS	- NOT TO SCALE
O	
OA	- OUTSIDE AIR
P	
PH	- PENTHOUSE
R	
RA	- RETURN AIR
RR	- RETURN REGISTER
RTU	- ROOFTOP UNIT
RP	- RADIANT PANEL
RV	- RELIEF VENT
RPM	- REVOLUTIONS PER MINUTE
S	
SA	- SUPPLY AIR
SWG	- SIDEWALL GRILLE
SWR	- SIDEWALL REGISTER
SWSR	- SIDEWALL SUPPLY REGISTER
SP	- STATIC PRESSURE
SD	- SMOKE DAMPER
SD	- SMOKE DETECTOR
SENS	- SENSIBLE
T	
T*STAT	- THERMOSTAT
TG	- TOP GRILLE
TR	- TOP REGISTER
TW	- THRU WALL
U	
UH	- UNIT HEATER
UNDER CUT	
W	
WATERTIGHT DUCT WITH WATER STOP - WS	
WB	- WET BULB

MECHANICAL GENERAL NOTES

- SEE SHEET ARCHITECTURAL DRAWINGS FOR FIRE RATED ASSEMBLIES, THEIR DEFINITIONS AND LOCATIONS.
- DO NOT SCALE DRAWINGS, SEE ARCHITECTURAL DRAWINGS & REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC..
- ALL SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED WITH A INSTALLED "R" VALUE OF R-6 OR GREATER WHEN LOCATED IN UNCONDITIONED SPACES AND AT 25% COMPRESSION. DUCT WRAP SHALL BE A MINIMUM OF 2" THICK x 1.01 PCF.
- SEE PLANS AND DETAILS FOR DUCT LINER LOCATIONS. DUCT LINER SHALL BE A MINIMUM OF 1" THICK x 1.5 PCF.
- ALL DUCTWORK DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
- LOCATE THERMOSTATS 5'-0" ABOVE FINISH FLOOR.
- HVAC CONTRACTOR SHALL PROVIDE AND INSTALL FIRE AND / OR SMOKE DAMPERS WHERE INDICATED ON PLANS AND IN SUCH LOCATIONS AS REQUIRED BY APPLICABLE CODES. INSTALLATION OF FIRE AND / OR SMOKE DAMPERS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- DUCTWORK SHALL BE G-90 GALVANIZED CONSTRUCTION IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS. FIBERGLASS DUCTWORK IS UNACCEPTABLE.
- HVAC CONTRACTOR SHALL VERIFY ALL JOBSITE CONDITIONS BEFORE STARTING DUCT FABRICATION.
- CONTRACTOR SHALL PROVIDE A MANUAL VOLUME DAMPER AT EACH BRANCH DUCT.
- FOR AIR DEVICES - SEE GRILLES, REGISTERS, AND DIFFUSER SCHEDULE.
- DUCT SMOKE DETECTORS TO BE WIRED TO SHUT DOWN THE AIR HANDLING UNIT WHEN ACTIVATED. THE DUCT DETECTORS SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM. WHEN ACTIVATED THE DUCT SMOKE DETECTORS SHALL ACTIVATE A VISIBLE AND AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
- THE HVAC CONTRACTOR SHALL INSTALL OWNER FURNISHED KITCHEN EQUIPMENT, INCLUDING HOODS AND ASSOCIATED FANS. THE HVAC CONTRACTOR SHALL ALSO FURNISH AND INSTALL SPECIFIED EXHAUST AND SUPPLY DUCTWORK.
- DUCT MOUNTED FIRE / SMOKE DAMPERS TO BE WIRED TO CLOSE DAMPER IN DUCTWORK UPON RECEIVING A SIGNAL FROM DUCT MOUNTED DETECTORS. DUCT DETECTORS AND SMOKE DAMPERS SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM AND SHALL ACTIVATE A VISIBLE AND AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
- INTERLOCK WALL MOUNTED MOTOR OPERATED DAMPERS WITH WATER HEATER AND DRYER TO PROVIDE REQUIRED COMBUSTION AND MAKEUP AIR FOR LAUNDRY EQUIPMENT.
- FIRE DAMPERS SHALL BE EQUAL TO RUSKIN MODEL IBD-20 WITH INTERGRAL SLEEVES. ACCESS DOORS SHALL BE PROVIDED.
- FIRE / SMOKE DAMPERS SHALL BE EQUAL TO RUSKIN MODEL FSD35 COMPLETE W/SLEEVES, ADs, & OPERATORS.
- CEILING RADIATION DAMPERS SHALL BE EQUAL TO RUSKIN MODEL CFD2 FOR SQUARE OR RECTANGULAR AND CFDR2 FOR ROUND.
- FIRE DAMPERS BEHIND GRILLES SHALL BE EQUAL TO RUSKIN MODEL IBDTG.
- UNLESS OTHERWISE INDICATED ALL DUCTWORK, PIPE AND FITTINGS SHALL BE INSTALLED IN THE ATTIC SPACE OF THIS BUILDING.

REVISION DATE
1
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3

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

PROJECT ARCHITECT
RLJ JR
TECHNICIANS
-
COMMISSION NUMBER
2926
DATE
14 MAR 2023

M0.1

THROUGH WALL HEAT PUMP SCHEDULE --- GE												
MARK	SUPPLY AIR CFM	OUTSIDE AIR CFM	COOLING CAPACITY		HEATING CAPACITY			ELECTRICAL				MODEL NUMBER
			TOTAL MBH	ENT. AIR Fdb/Fwb	SUPPLY CFM	TOTAL MBH	ENT. AIR F	VOLTAGE	AUXILIARY HEATER KW	MCA	MOOP AMPS	
PTHB-1	449	35	11.9	80/67	449	10.4	70	208/1P	2.4	10.6	15	AZ65H12DBM

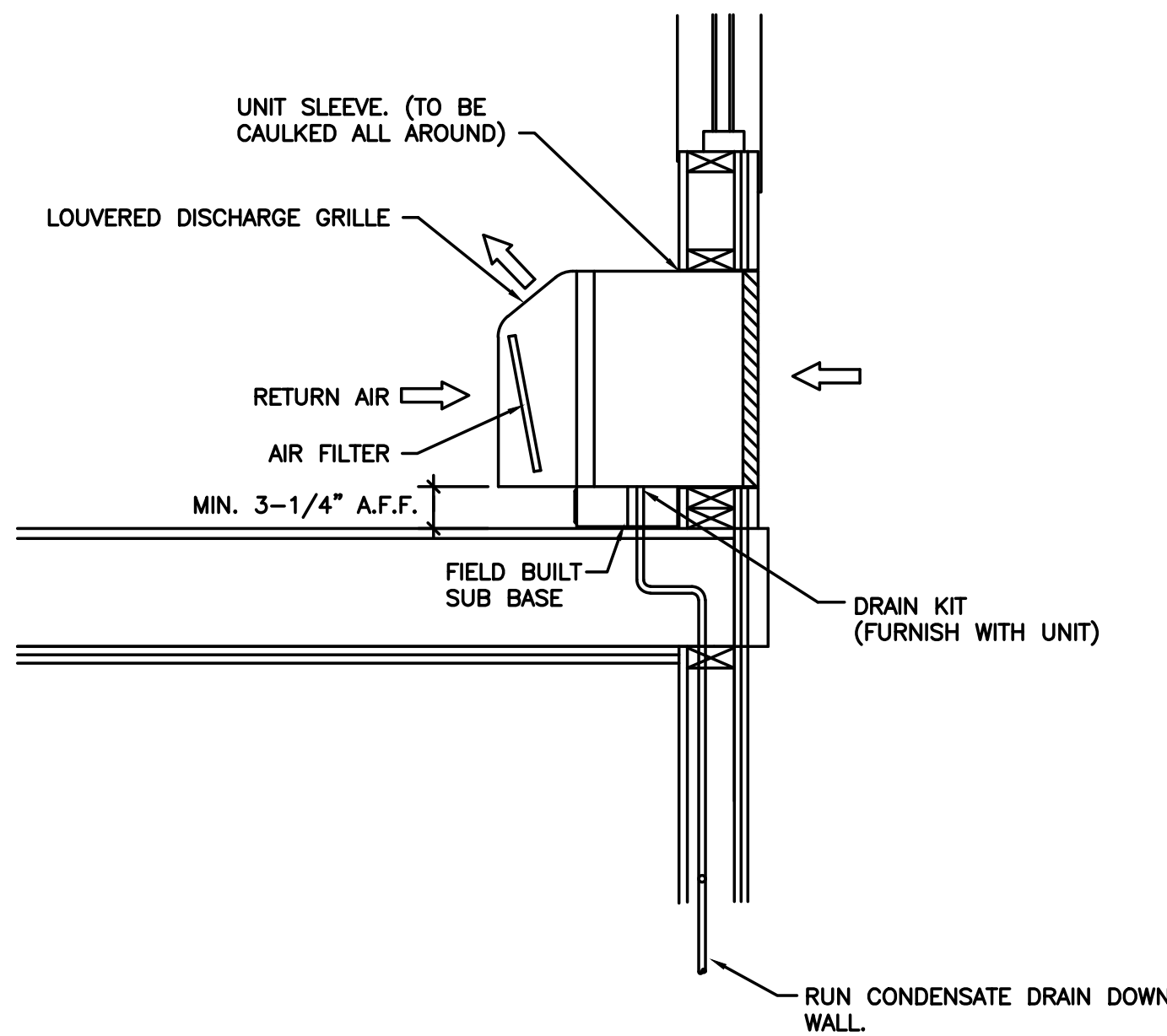
NOTES:

1. PROVIDE ALL UNITS WITH ELECTRICAL CORDS TO MATCH ELECTRICAL AMPERAGE INFORMATION.
2. UNIT COOLING SUPPLY CFM BASED ON LOW SPEED SETTING & WET COIL.
3. UNIT HEATING SUPPLY CFM BASED ON LOW SPEED SETTING & DRY COIL.
3. UNIT SHALL BE R-410a REFRIGERANT
4. UNIT SHALL BE READY TO ACCEPT OWNER PROVIDED, CONTRACTOR INSTALLED VERDANT THERMOSTAT..

ACCESSORIES:

1. PROVIDE AGK ARCHITECTURAL GRILLE WITH EACH UNIT.
COLOR TO BE SELECTED BY ARCHITECT.
2. STANDARD WALL SLEEVE.
3. SUBBASE KIT W/POWER RECEPTACLE
5. SPARE INTAKE FILTERS
6. CONDENSATE DRAIN KIT.
7. POWER DISCONNECT SWITCH

FAN SCHEDULE								
MARK	CFM	SP	HP	VOLTAGE	SONES	MODEL #	SERVICE AREA	ACCESSORIES
EF-1	80	.25	7W	115/1	0.3	PANASONIC FY-08WKS3	NEW TOILETS	1, 2, 3, 4, 5, 6
ACCESSORIES 1. DISCONNECT SWITCH 2. UL RATED 3. CEILING RADIATION DMPR. 4. VIBRATION ISOLATION 5. UNIT TO BE CONTROLLED BY MOTION SENSOR 6. WHITE ALUMINUM GRILLE								



PACKAGED TERMINAL HP UNIT DETAIL
SCALE: N.T.S.

REVISION	DATE
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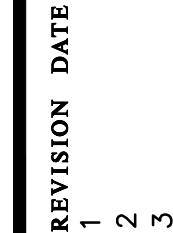
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APARTMENTS**
200 VALLEY DRIVE
PERRY, GEORGIA

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M0.2

DEMOLITION FIRST FLOOR PLAN
SCALE 1/16" = 1'-0"



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200 VALLEY DRIVE
PERRY, GEORGIA

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DATE
14 MAR 2023

M1.1

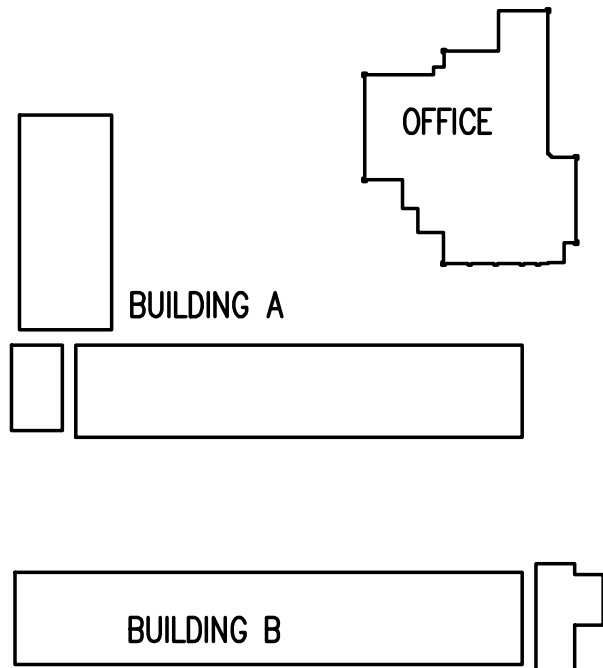
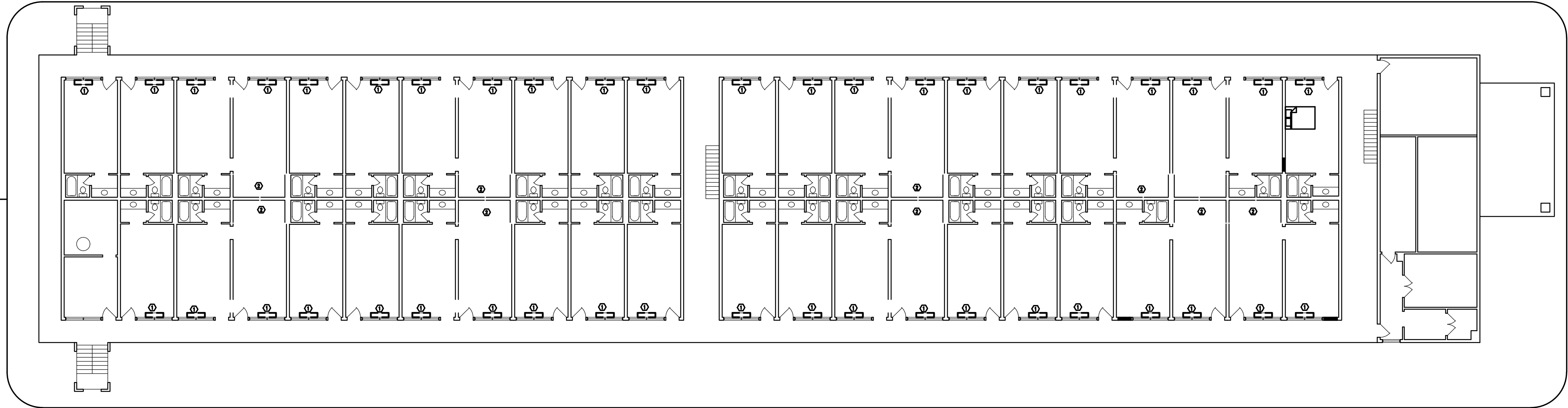
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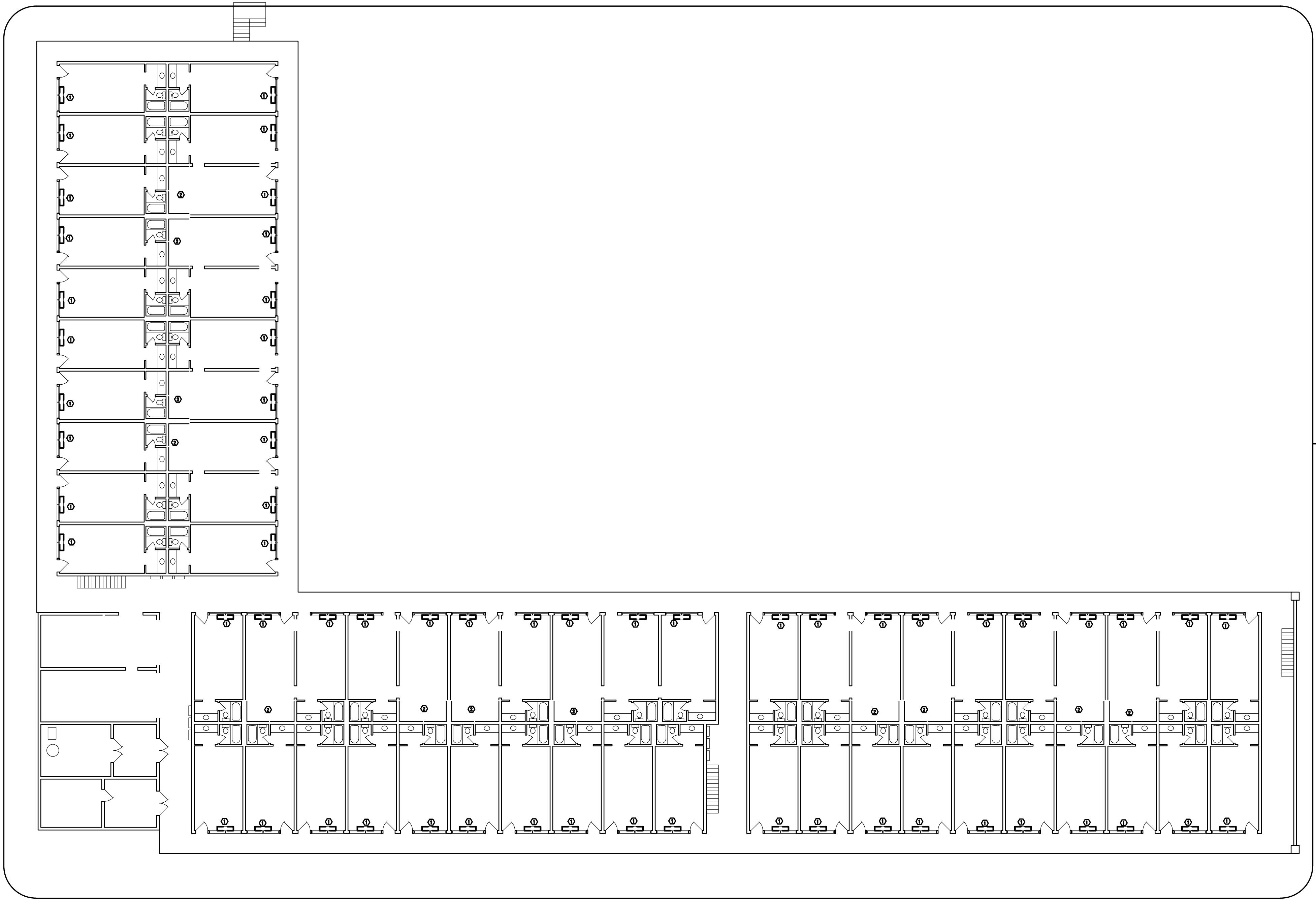
DEMOLITION SECOND
FLOOR PLAN

SCALE 1/16" = 1'-0"

1
M1.2 M2.4



KEY PLAN
NOT TO SCALE



1
M1.2 M2.2

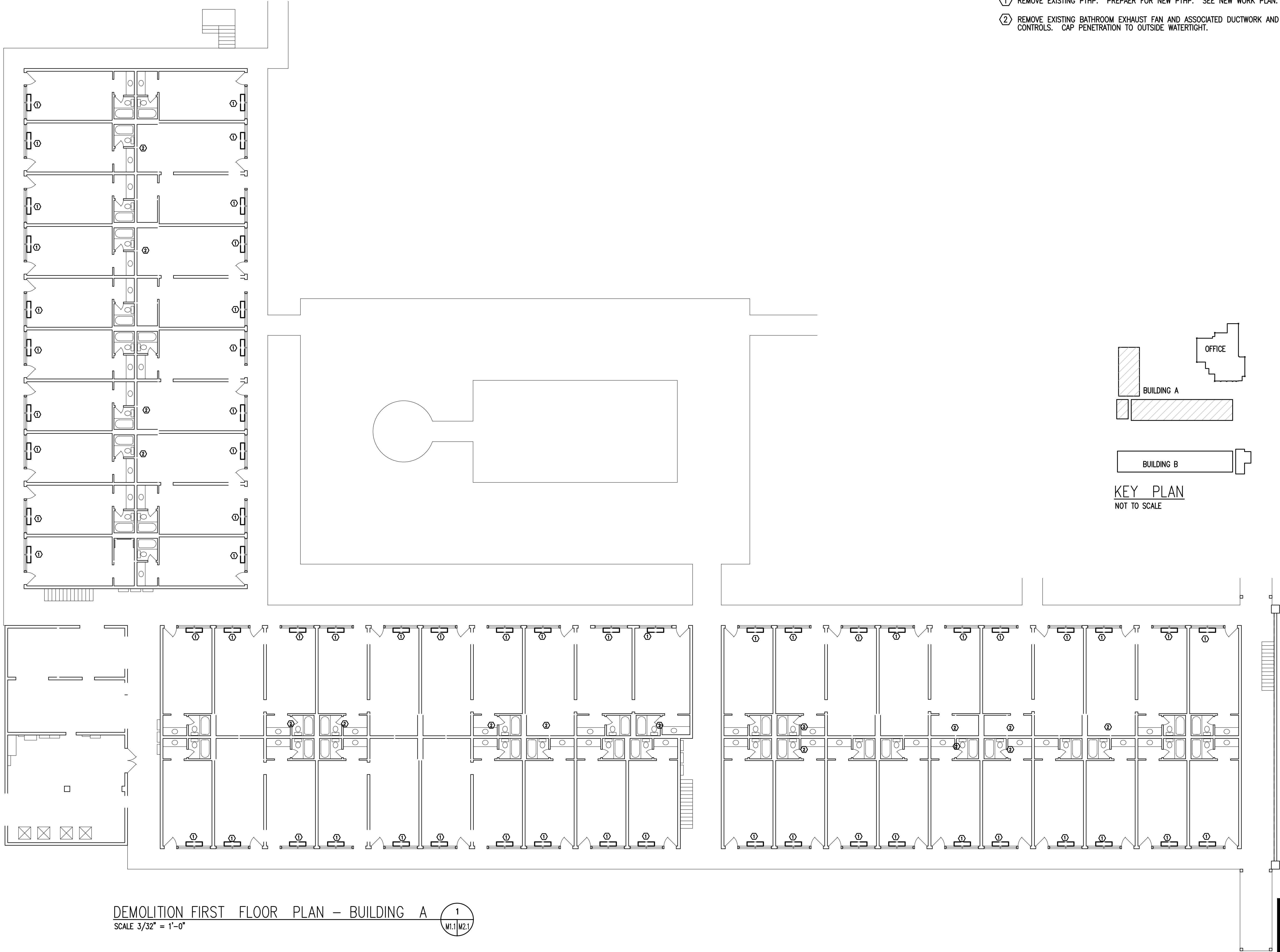
GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

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RLJ JR
TECHNICIANS
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14 MAR 2023

M1.2

REVISION DATE
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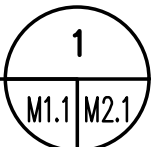
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- DEMOLITION NOTES:
- ① REMOVE EXISTING PTHP. PREPAER FOR NEW PTHP. SEE NEW WORK PLAN.
 - ② REMOVE EXISTING BATHROOM EXHAUST FAN AND ASSOCIATED DUCTWORK AND CONTROLS. CAP PENETRATION TO OUTSIDE WATERTIGHT.

DEMOLITION FIRST FLOOR PLAN - BUILDING A

SCALE 3/32" = 1'-0"



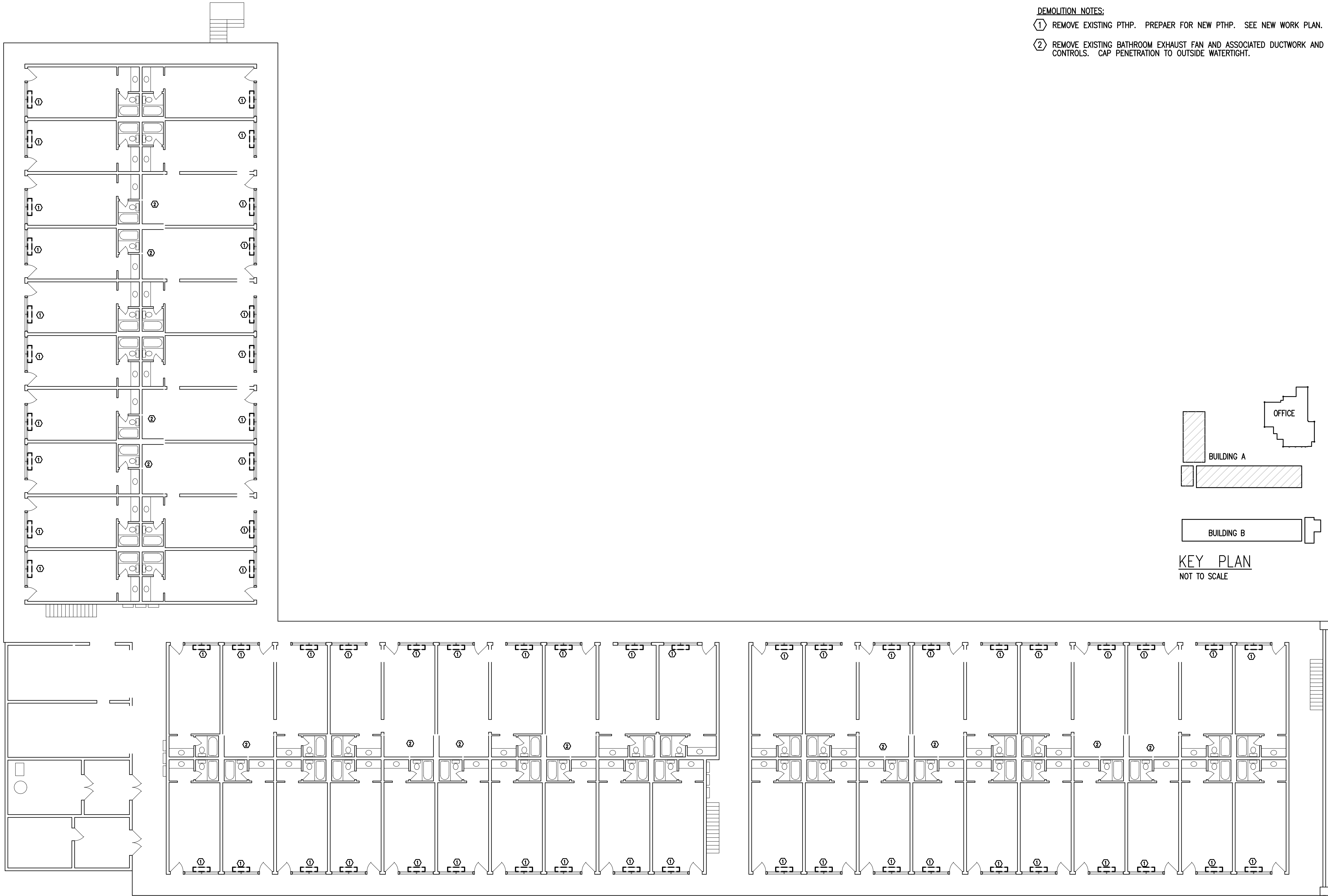
REVISION	DATE
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GA PERRY VALLEY
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200 VALLEY DRIVE
PERRY, GEORGIA

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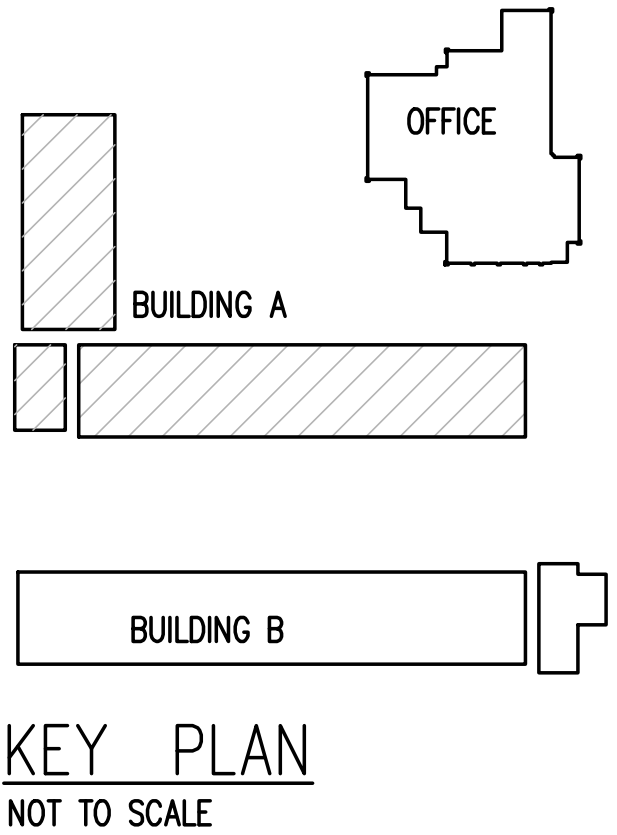
M2.1

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DEMOLITION NOTES:

- 1 REMOVE EXISTING PTYP. PREPARE FOR NEW PTYP. SEE NEW WORK PLAN.
- 2 REMOVE EXISTING BATHROOM EXHAUST FAN AND ASSOCIATED DUCTWORK AND CONTROLS. CAP PENETRATION TO OUTSIDE WATERTIGHT.



GA PERRY VALLEY
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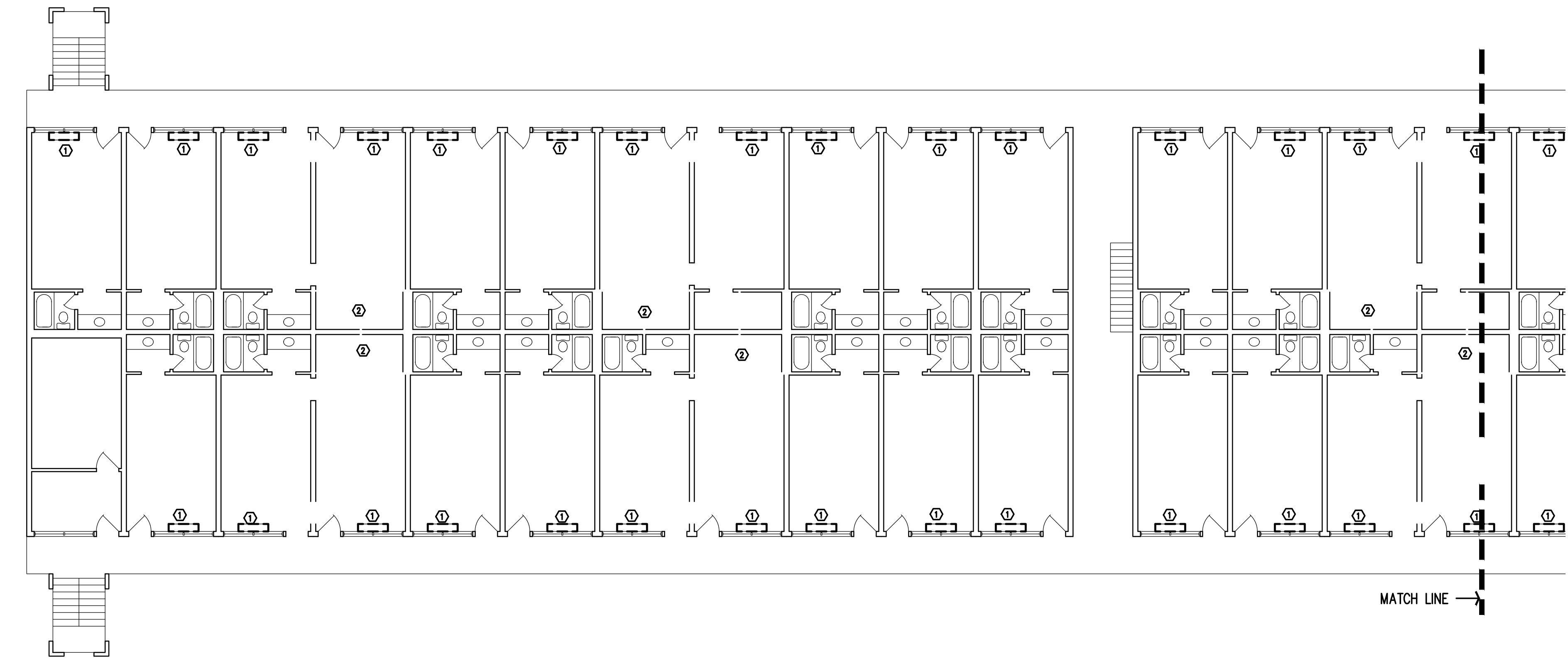
PROJECT ARCHITECT
RLJ JR
TECHNICIANS
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DATE
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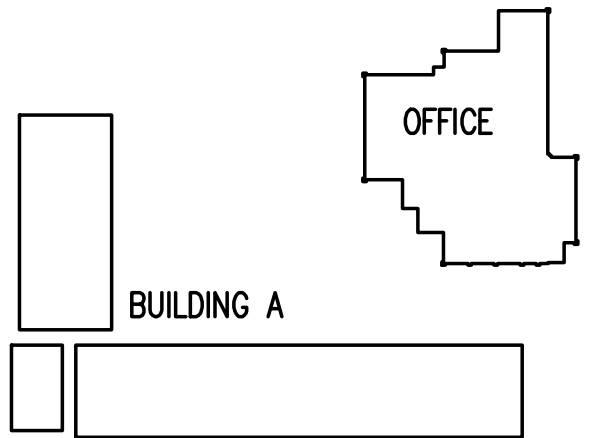
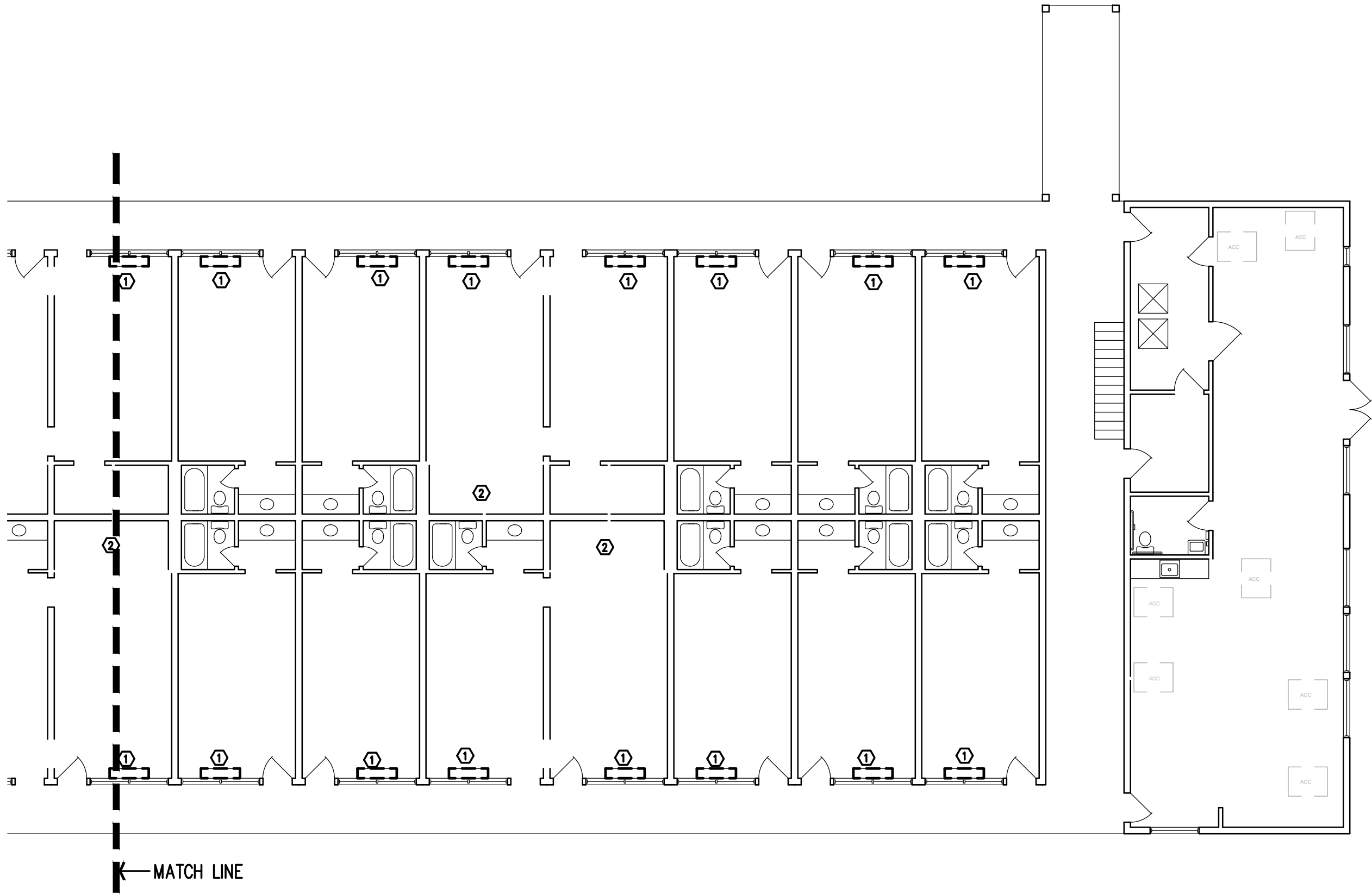
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- ① REMOVE EXISTING PTHP. PREPAER FOR NEW PTHP. SEE NEW WORK PLAN.
 - ② REMOVE EXISTING BATHROOM EXHAUST FAN AND ASSOCIATED DUCTWORK AND CONTROLS. CAP PENETRATION TO OUTSIDE WATERTIGHT.



DEMOLITION FIRST FLOOR PLAN – BUILDING B

SCALE 3/32" = 1'-0"

1
M1.1/M2.3



BUILDING A

BUILDING B

KEY PLAN
NOT TO SCALE

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

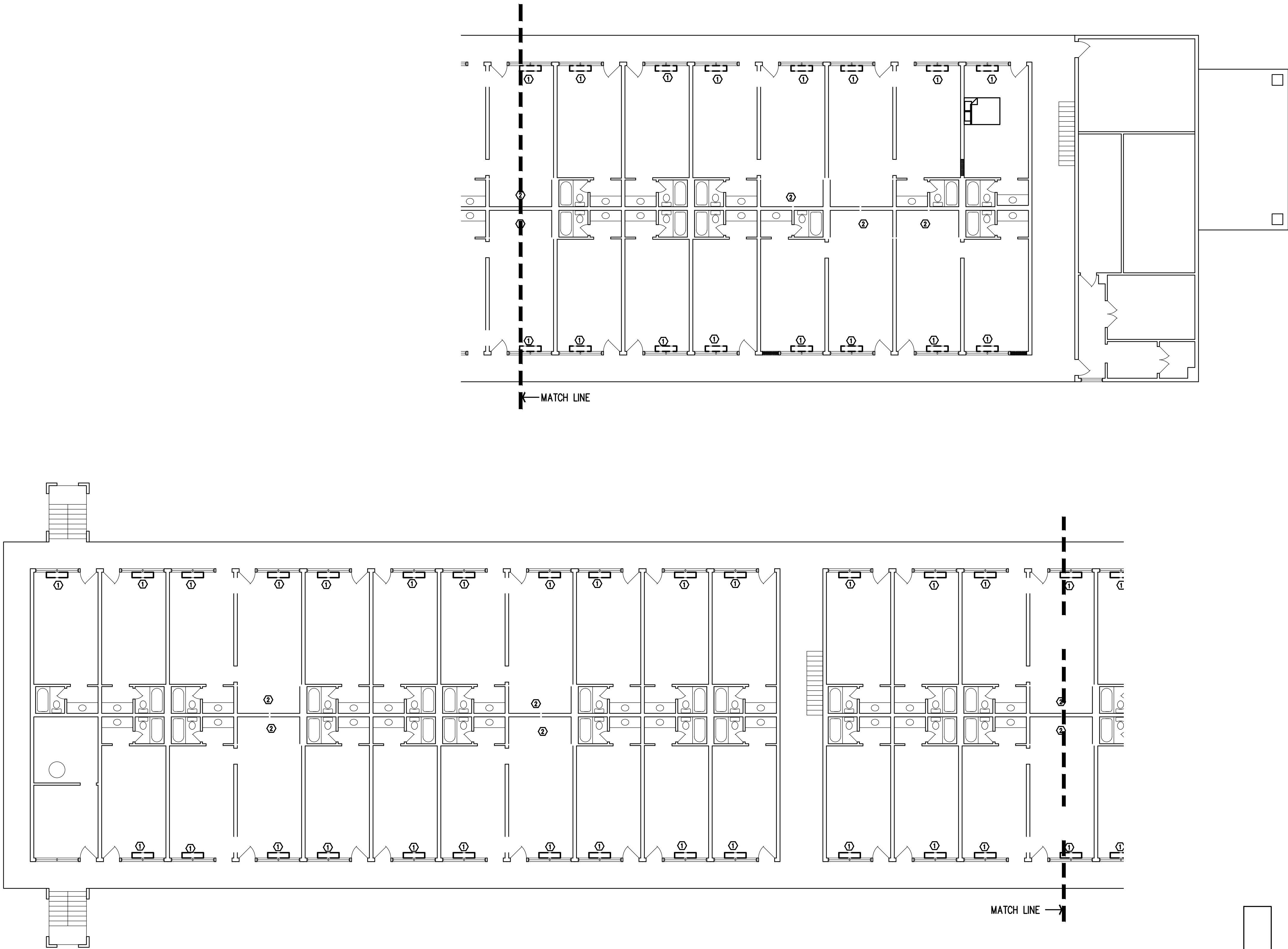
PROJECT ARCHITECT
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M2.3

REVISION	DATE
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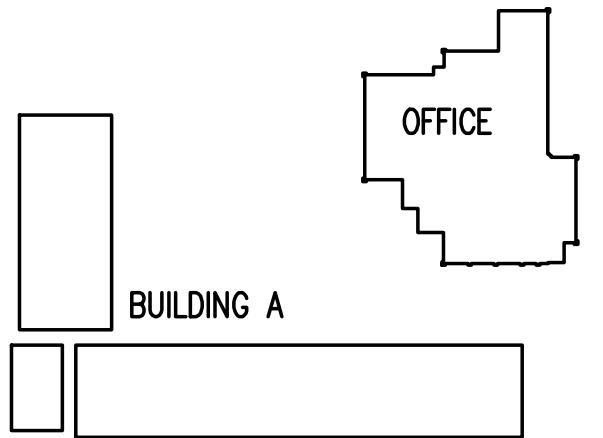
- DEMOLITION NOTES:
- 1 REMOVE EXISTING PTHP. PREPAER FOR NEW PTHP. SEE NEW WORK PLAN.
 - 2 REMOVE EXISTING BATHROOM EXHAUST FAN AND ASSOCIATED DUCTWORK AND CONTROLS. CAP PENETRATION TO OUTSIDE WATERTIGHT.



DEMOLITION SECOND FLOOR PLAN – BUILDING B

SCALE 3/32" = 1'-0"

1
M1.2/M2.4



BUILDING A

BUILDING B

KEY PLAN

NOT TO SCALE

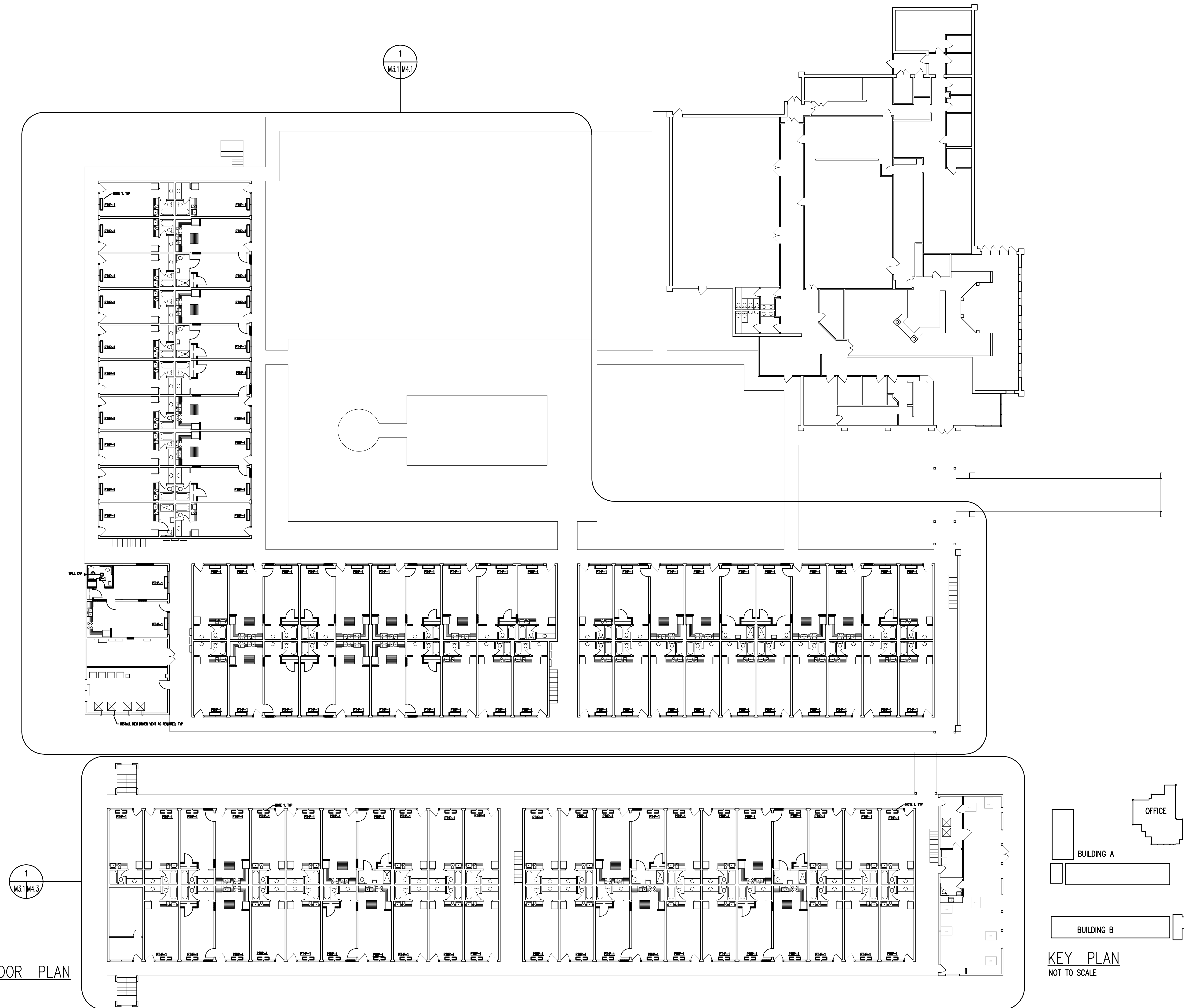
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GA PERRY VALLEY
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M2.4

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NEW WORK FIRST FLOOR PLAN
SCALE 1/16" = 1'-0"

KEY PLAN
NOT TO SCALE

REVISION	DATE
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APARTMENTS**
200 VALLEY DRIVE
PERRY, GEORGIA

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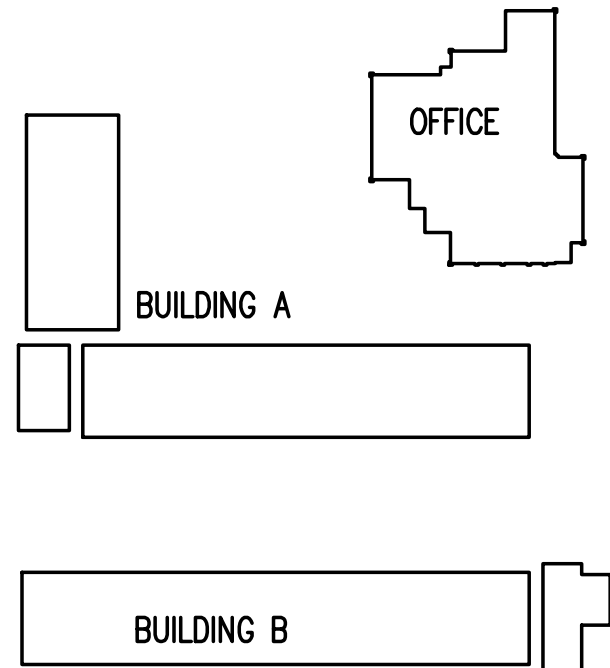
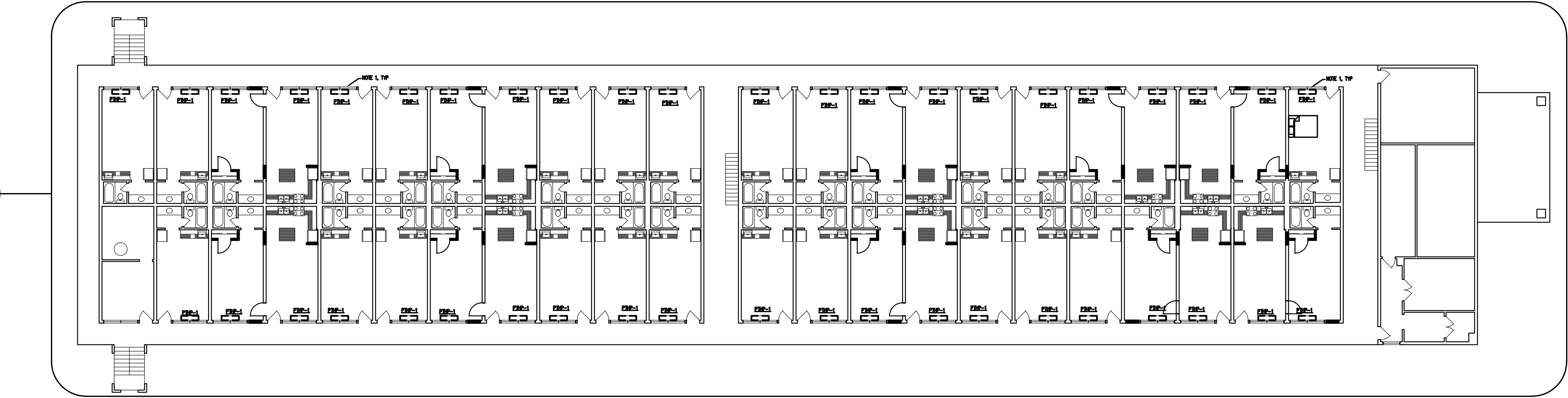
M3.1

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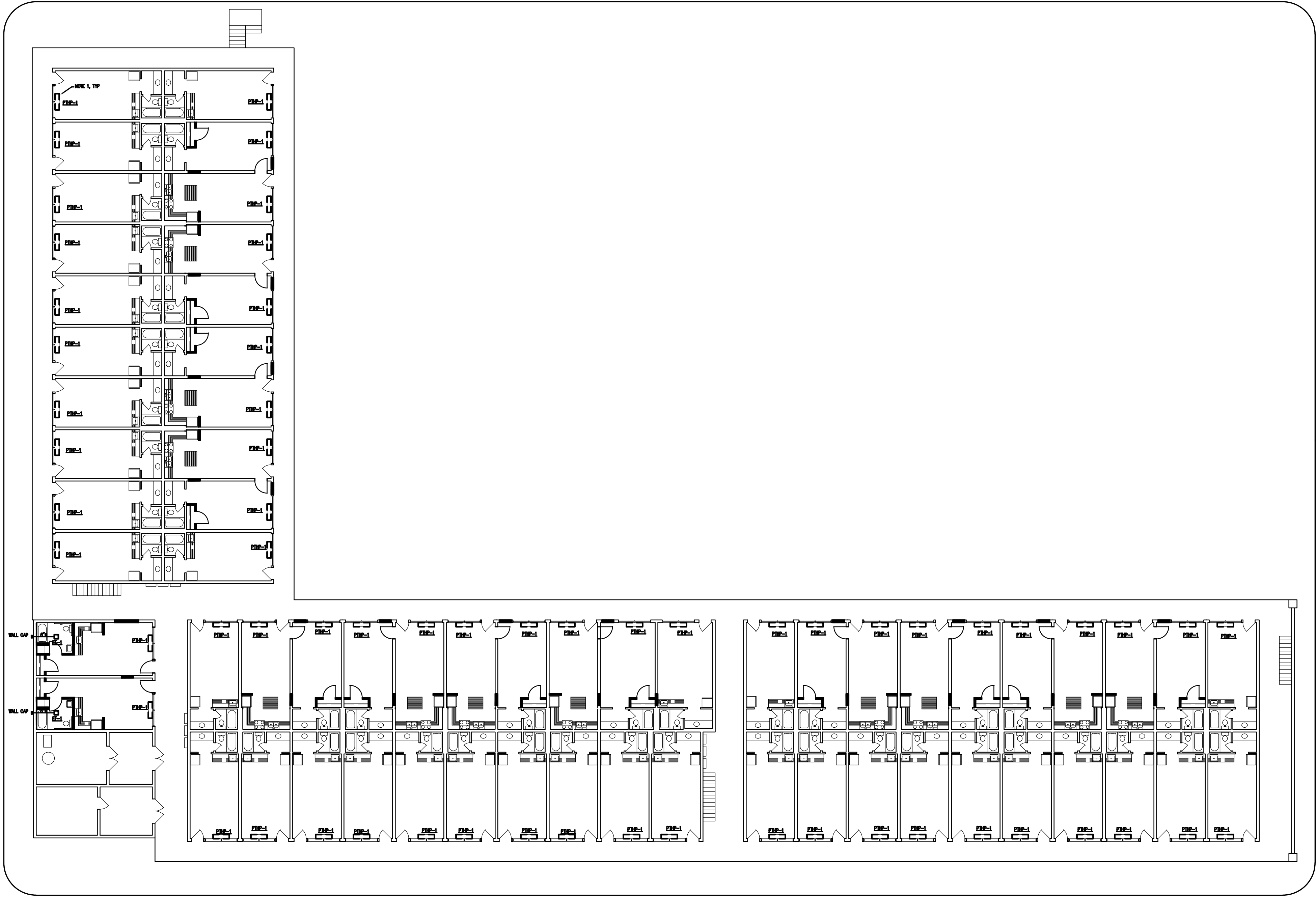
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NEW WORK SECOND
FLOOR PLAN
SCALE 1/16" = 1'-0"

1
M3.2/M4.4



KEY PLAN
NOT TO SCALE



1
M3.2/M4.2

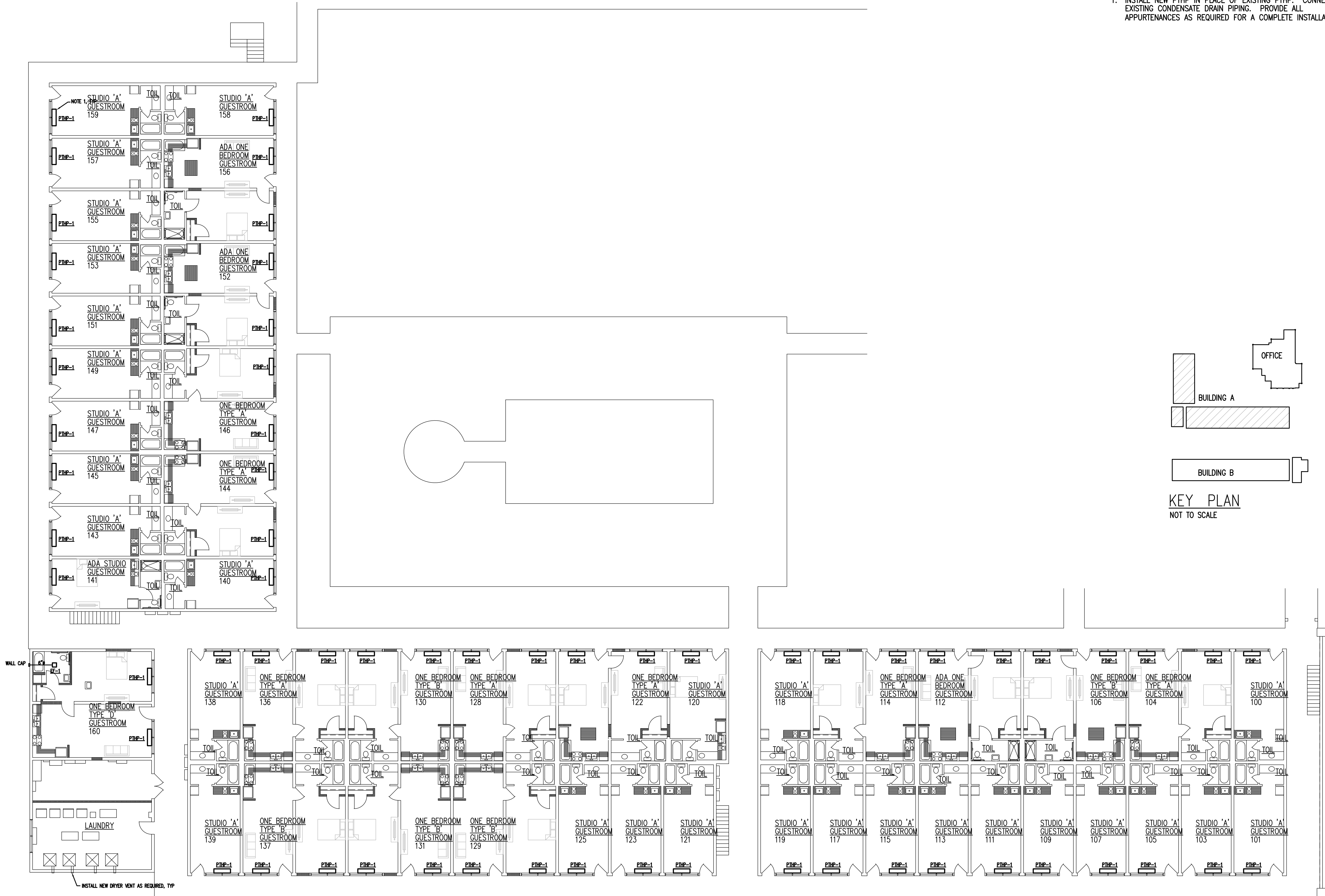
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M3.2

REVISION DATE
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NEW WORK FIRST FLOOR PLAN – BUILDING A
SCALE 3/32" = 1'-0"

1
M3.1 M4.1

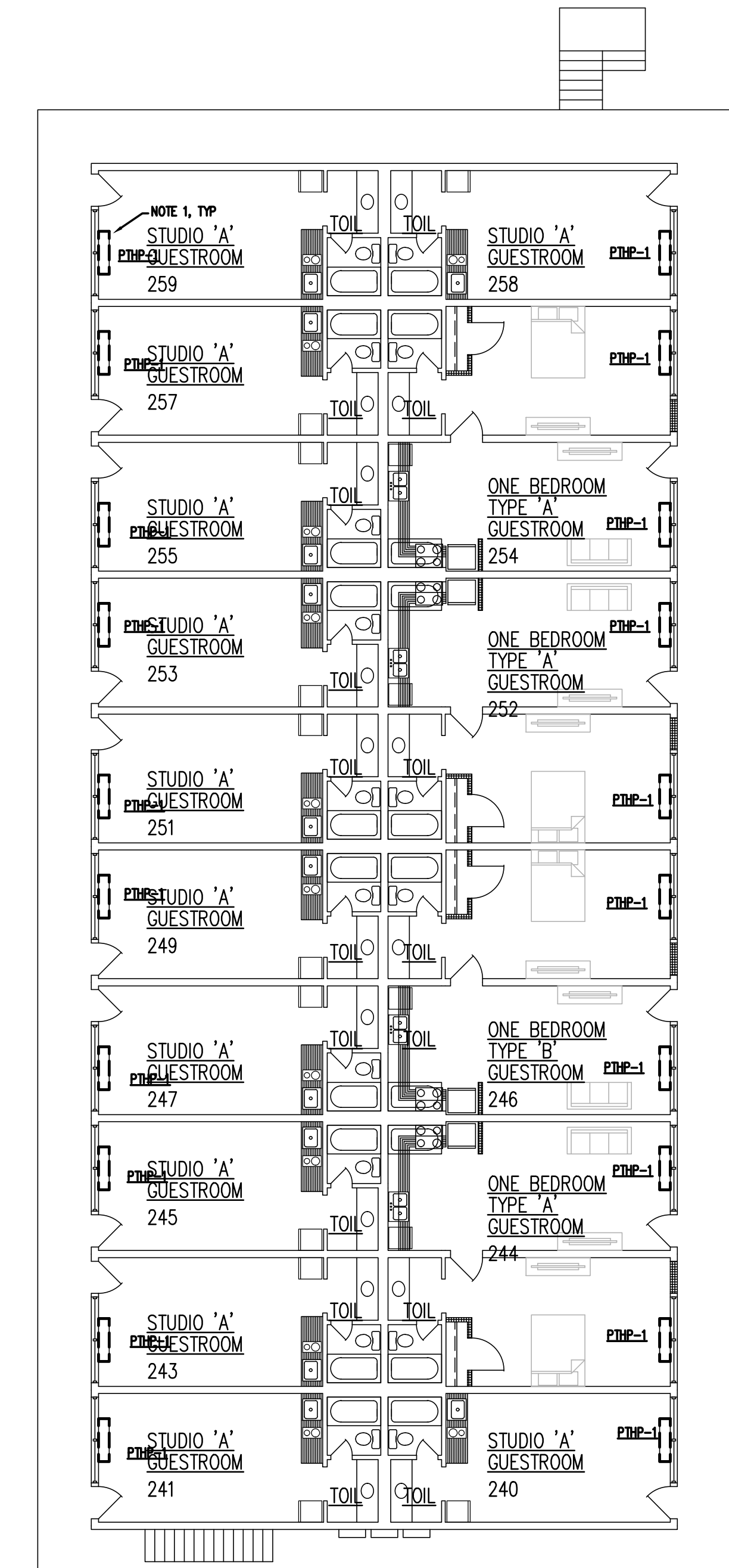
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M4.1

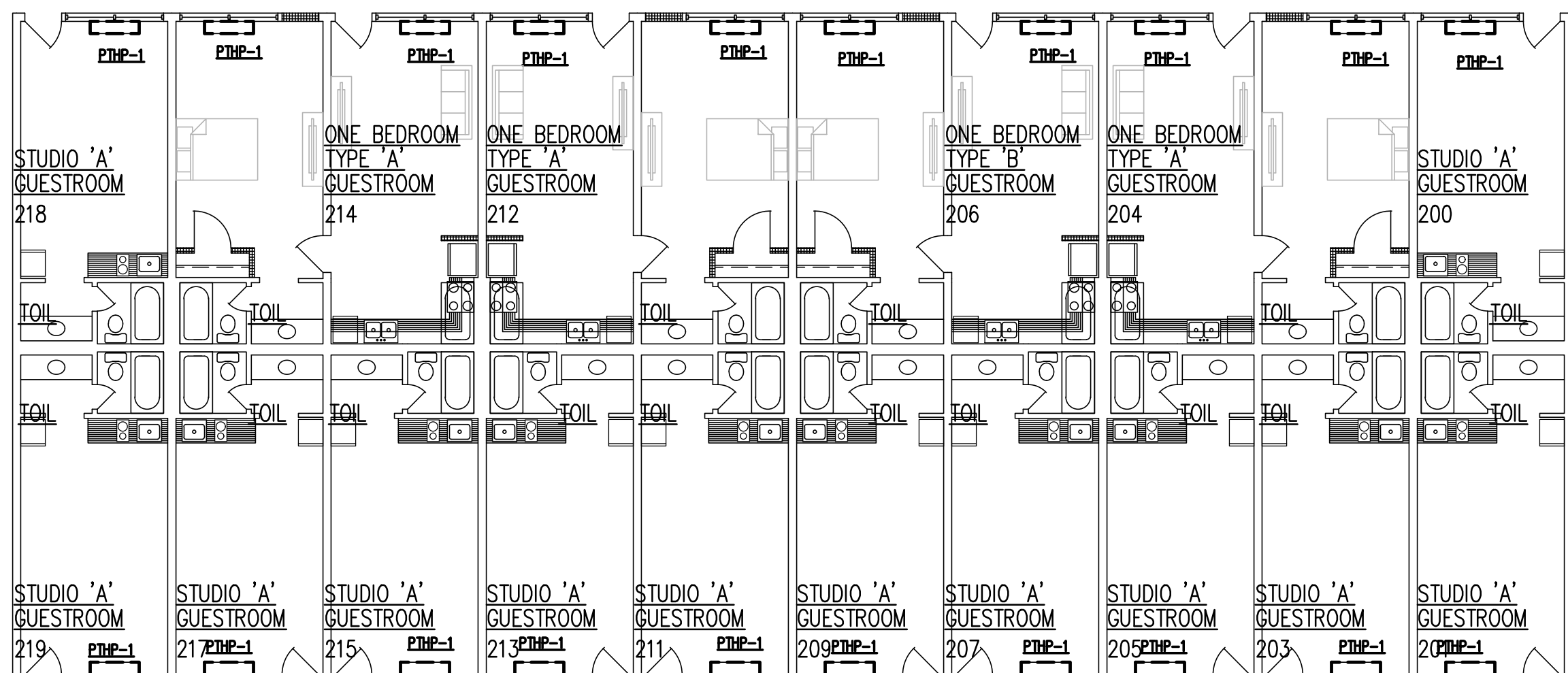
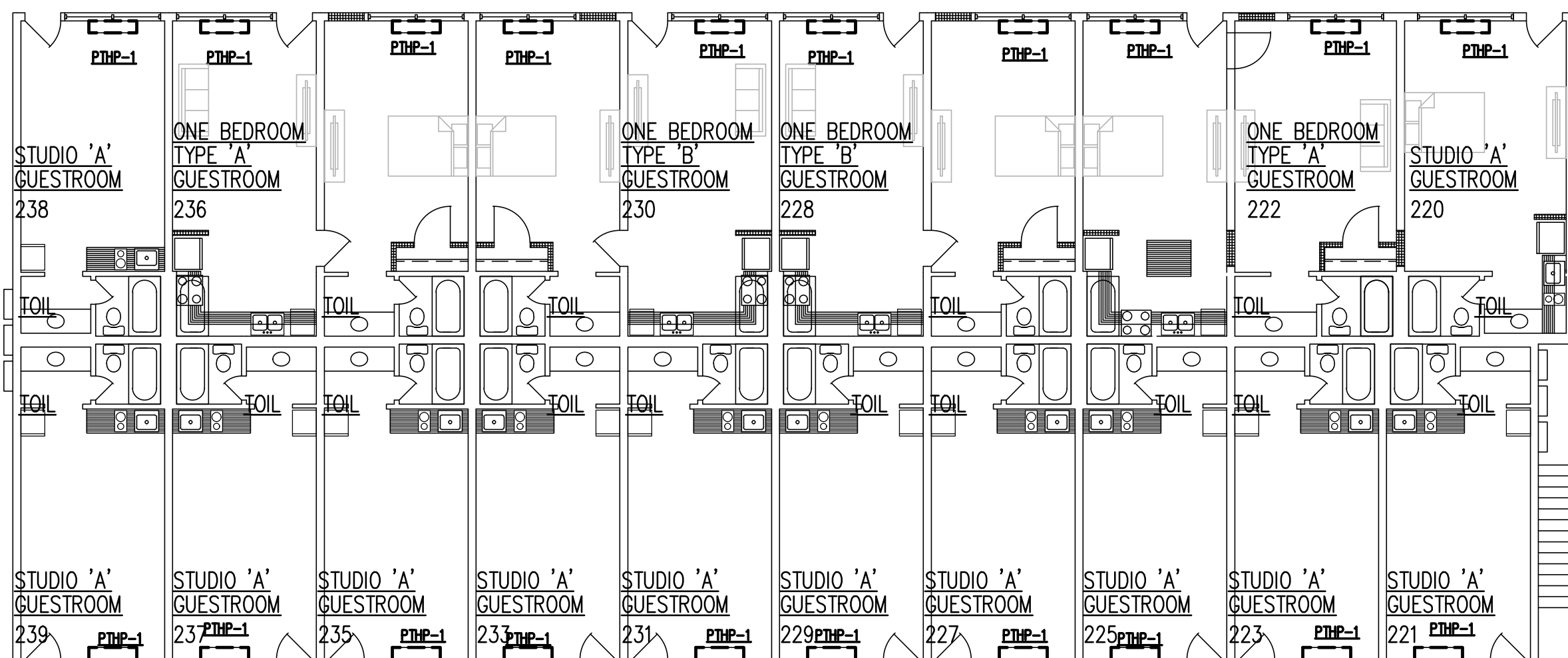
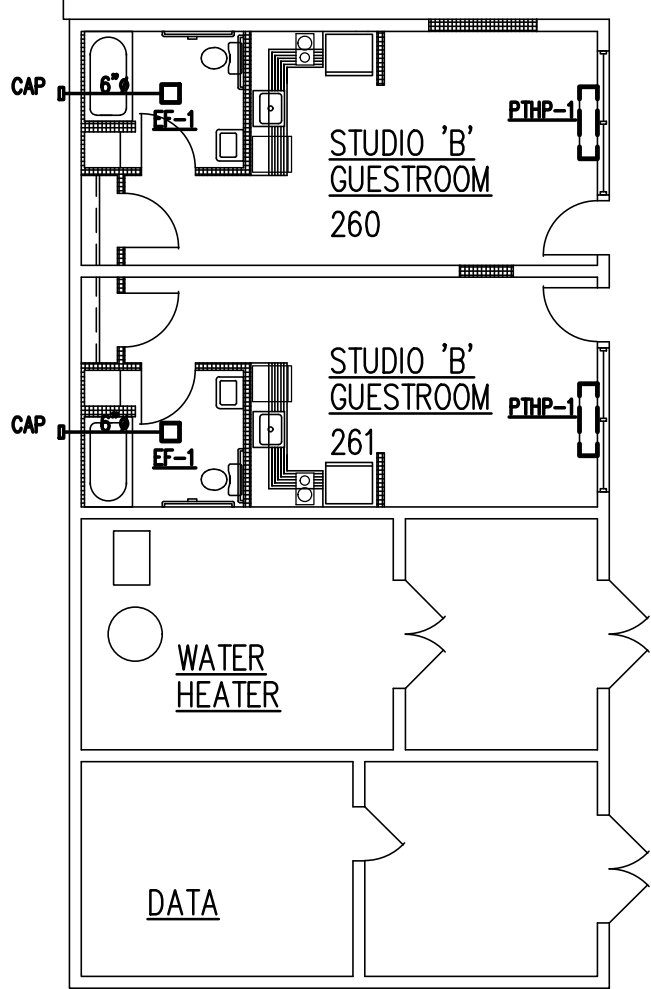
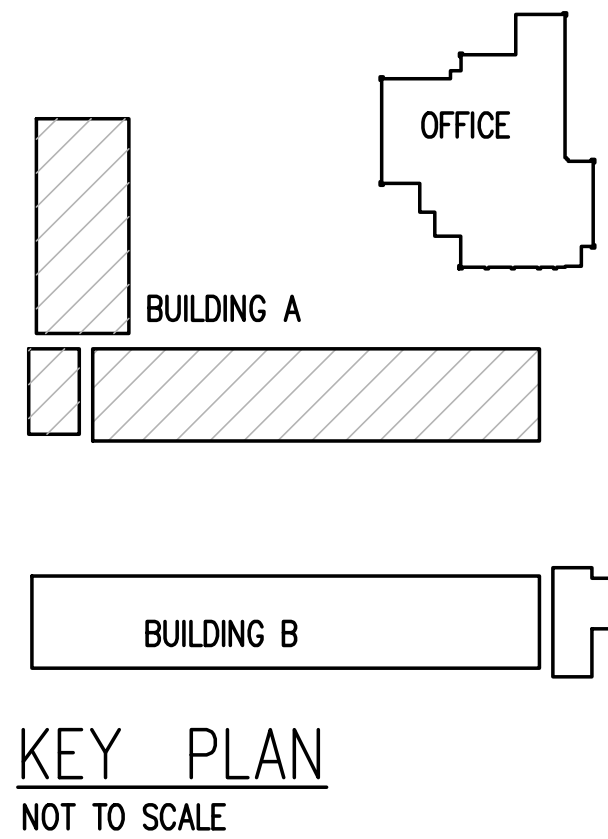
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NEW WORK NOTES:

1. INSTALL NEW PTHP IN PLACE OF EXISTING PTHP. CONNECT TO EXISTING CONDENSATE DRAIN PIPING. PROVIDE ALL APPURTENANCES AS REQUIRED FOR A COMPLETE INSTALLATION.



NEW WORK SECOND FLOOR PLAN – BUILDING A
SCALE 3/32" = 1'-0"

1
M3.2/M4.2

REVISION DATE

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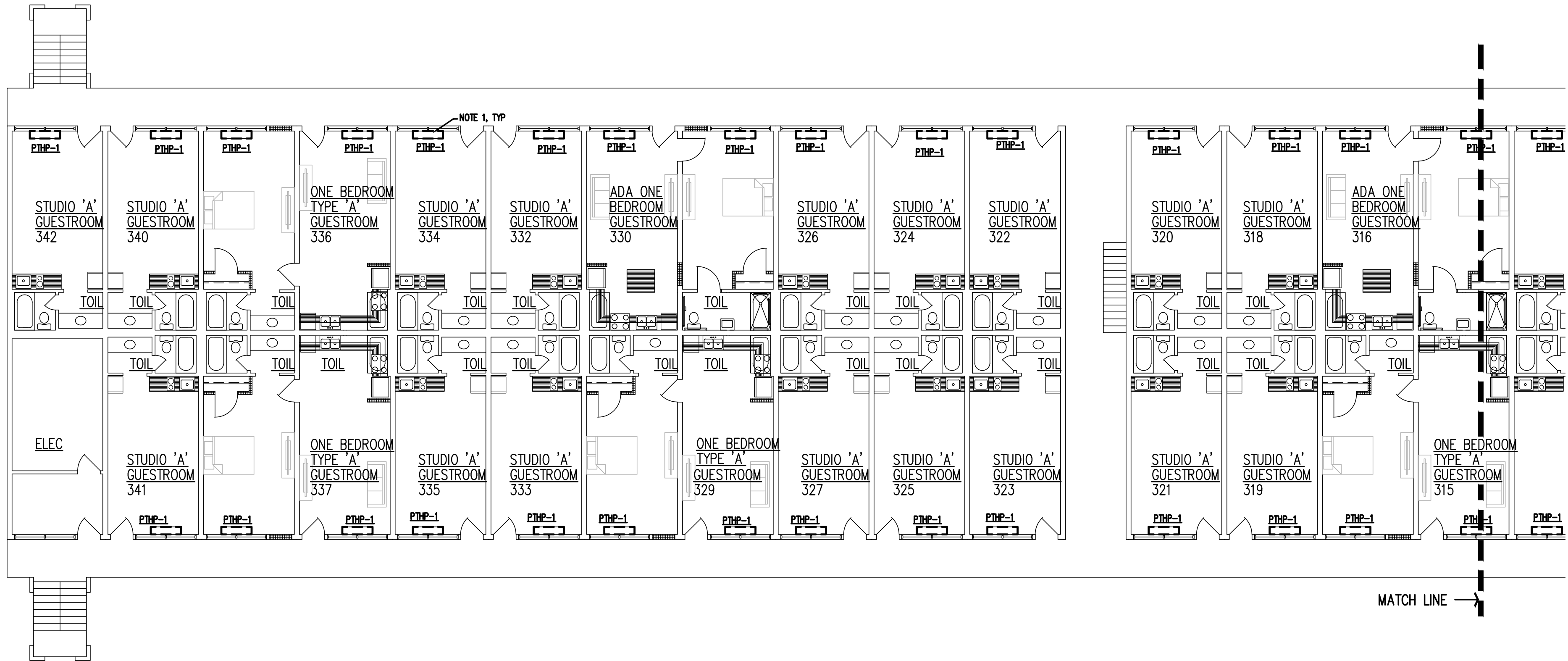
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PERRY, GEORGIA

PROJECT ARCHITECT
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COMMISSION NUMBER
2926
DATE
14 MAR 2023

M4.2

NEW WORK NOTES:

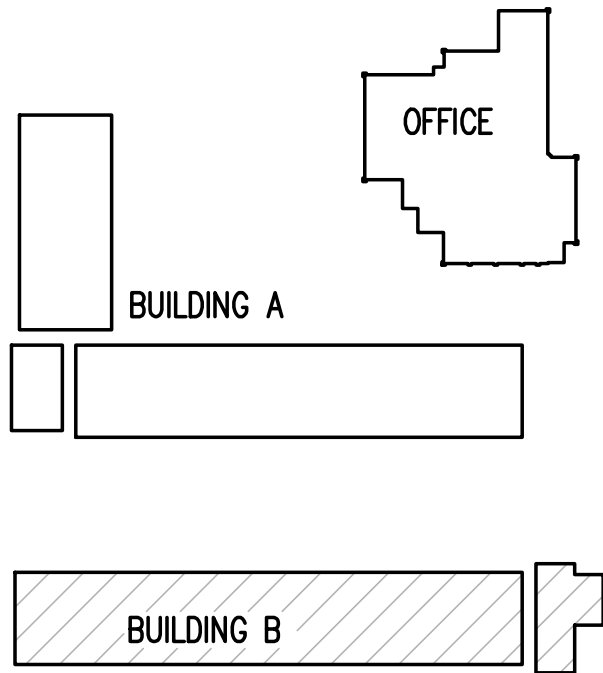
1. INSTALL NEW PTHP IN PLACE OF EXISTING PTHP. CONNECT TO EXISTING CONDENSATE DRAIN PIPING. PROVIDE ALL APPURTENANCES AS REQUIRED FOR A COMPLETE INSTALLATION.



NEW WORK FIRST FLOOR PLAN – BUILDING B

SCALE 3/32" = 1'-0"

1
M3.1/M4.3



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APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

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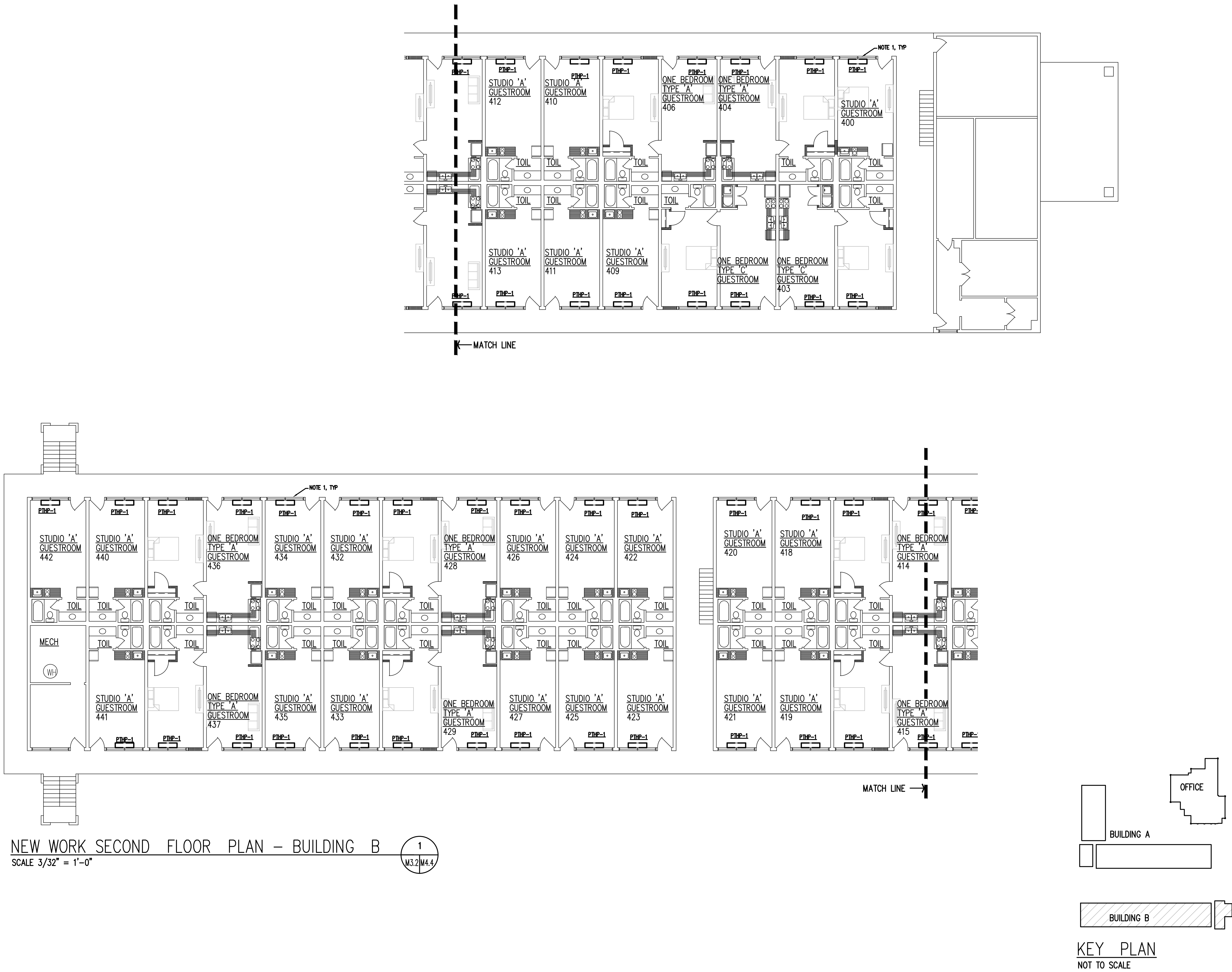
M4.3

REVISION DATE
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NEW WORK NOTES:

1. INSTALL NEW PTHP IN PLACE OF EXISTING PTHP. CONNECT TO EXISTING CONDENSATE DRAIN PIPING. PROVIDE ALL APPURTENANCES AS REQUIRED FOR A COMPLETE INSTALLATION.



REVISION DATE

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M4.4

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PLUMBING FIXTURE SCHEDULE										
MARK	DESCRIPTION	FIXTURE WASTE	VENT	C.W.	H.W.	MANUFACTURER	MODEL	CATALOG NO.	REMARKS	MTG HGT
WC-1	WATER CLOSET	3"	2"	1-1/2"	----	PROFLO	----	PF1200	1.6 GPF. PROVIDE PROFLO ELONGATED SEAT WITH COVER, PROVIDE ANGLE STOP & FLEXIBLE SUPPLY.	14-3/4" TO RIM
L-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	TO BE DETERMINED	----	----	PROVIDE MOEN FAUCET MODEL L4621, PROVIDE ANGLE SUPPLIES & STOPS, POP-UP DRAIN.	UNDER COUNTER MOUNT
KS-1	KITCHEN SINK-DOUBLE BOWL	1-1/2"	1-1/2"	1/2"	1/2"	TO BE DETERMINED	----	----	PROVIDE MOEN FAUCET, MODEL 7430 WITH SIDE SPRAY, BASKET STRAINER, ANGLE SUPPLIES & STOPS. PROVIDE DISPOSAL.	UNDER COUNTER MOUNT
KS-2	KITCHEN SINK-SINGLE BOWL	1-1/2"	1-1/2"	1/2"	1/2"	TO BE DETERMINED	----	----	PROVIDE MOEN FAUCET, MODEL 7430 WITH SIDE SPRAY, BASKET STRAINER, ANGLE SUPPLIES & STOPS. PROVIDE DISPOSAL.	UNDER COUNTER MOUNT
SH-1	SHOWER	2"	1-1/2"	1/2"	1/2"	AKER	----	OPS-6030 ACRYLX	ALCOVE, CENTER DRAIN, BASE MODE, WHITE; PROVIDE MOEN CHATEAU POSITEMP SHOWER TRIM, MODEL 8342 WITH SHOWER HEAD, HAND SHOWER, SLIDEBAR, HOSE, DIVERTER VALVE. PROVIDE ROUND CHROME FLOOR DRAIN, JAY R. SMITH MODEL 2005.	----
BT-1	BATH TUB/SHOWER	2"	1-1/2"		1/2"	TO BE DETERMINED	----	----	PROVIDE MOEN CHATEAU POSITEMP SHOWER TRIM, MODEL TL472 WITH SINGLE METAL LEVER, FIXED SHOWER HEAD. PROVIDE ROUND CHROME FLOOR DRAIN, JAY R. SMITH MODEL 2005.	----
WMB	WASHING MACHINE BOXES	2"	----	1/2"	1/2"	SIoux CHIEF	OX BOX	696 SERIES	ABS BOXES, ONE BOX WITH CENTER DRAIN AND ONE BOX WITH TWO WATER VALVES & WATER HAMMER ARRESTORS. PROVIDE FLANGED BOXES SUITABLE FOR DRYWALL INSTALLATION.	40"

PLUMBING SCHEDULE NOTES

- A. PROVIDE LEFT HAND OR RIGHT HAND TANK SUCH THAT FLUSH LEVER IS ON THE ACCESSIBLE SIDE OF THE WATER CLOSET.
- B. PROVIDE FULL GRATE, THREE QUARTER OR HALF GRATE FOR FLOOR SINK AS REQUIRED BY KITCHEN EQUIPMENT VENDOR.
- C. PROVIDE IN-LINE LEAD FREE BACKFLOW PREVENTER FOR KITCHEN EQUIPMENT.
- D. PROVIDE PLASTIC WALL BOX WITH SHUT-OFF FOR COLD WATER SUPPLY TO ICE MACHINES, COFFEE & TEA BREWERS, AND REFRIGERATORS. PROVIDE BACK FLOW PREVENTORS AND IN-LINE FILTER IN ACCESSIBLE LOCATION.
- E. PROVIDE SHOCK ARRESTORS ON WATER LINES WITH FAST CLOSING VALVES. INSTALL IN ACCESSIBLE LOCATION.
- F. ALL EXPOSED PIPING SHALL BE INCASED WITH FORMED SNAP LOCK INSULATION.
- G. ALL SHOWER CONTROL VALVES SHALL BE FRONT ACCESS. SEE ARCHITECTURAL PLANS FOR CONTROL LOCATIONS.
- H. PROVIDE THERMOSTATIC MIXING VALVES THAT MEET ASSE 1070 & ASSE 1017 STANDARD.

PLUMBING PIPE MATERIALS

WATER: UNDERGROUND – COPPER, TYPE K; ABOVE GROUND – COPPER, TYPE L OR CPVC, SCHEDULE 40.

SANITARY WASTE: PVC SCHEDULE 40 DWV, EXCEPT USE CAST IRON WHERE INDICATED FOR HIGH TEMPERATURE.

SANITARY VENT: PVC SCHEDULE 40 DWV.

NATURAL GAS or PROPANE: BLACK STEEL, SCHEUDLE 40. SEE GAS RISER SCHMATIC FOR ADDITIONAL INFORMATION.

PIPE INSULATION: SHALL MEET OR EXCEED ALL LOCAL CODES INCULDING BUT NOT LIMITED TO THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) & 2015 INTERNATIONAL PLUMBING CODE (IPC).
RECIRCULATING HOT WATER RETURN SHALL HAVE A MINIMUM OF 1" OF INSULATION.

PIPE INSULATION CHART BELOW IS BASED "AP ARMAFLEX & NH ARMAFLEX INSULATION

PLUMBING PIPE:	UP TO 2"	OVER 2" TO 4"	OVER 4" TO 6"	OVER 6"
COLD WATER	0.5"	0.5"	0.5"	0.75"
HOT WATER (120? OR LESS)	0.5"	0.5"	0.75"	0.75"
HOT WATER (ABOVE 120?)	0.75"	0.75"	1.00"	1.00"
ROOF DRAINS	0.5"	0.5"	0.5"	0.75"
STORM DRAINS	0.5"	0.5"	0.75"	0.75"
CONDENSATE DRAINS	0.5"	0.75"	-----	-----
REFRIGERATION				
ABOVE 25?	0.75"	0.75"	1.00"	1.00"
11? TO 25?	1.00"	1.00"	1.00"	1.25"
-10? TO 10?	1.00"	1.25"	1.25"	1.50"
BELOW -10?	1.25"	1.25"	1.50"	1.50"

INSULATION MUST HAVE A MINIMUM R VALUE OF 2.0 OR MORE AND COMPLY WITH THE INTERNATIONAL ENERGY CODE.

PLUMBING GENERAL NOTES

1. DO NOT SCALE DRAWINGS, SEE ARCHITECTURAL DRAWINGS & REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC..
2. PLUMBING CONTRACTOR SHALL VERIFY ALL JOB SITE CONDITIONS PRIOR TO COMMENCING WORK.
3. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATED ASSEMBLIES AND THEIR DEFINITIONS AND LOCATIONS.
4. PLUMBING CONTRACTOR SHALL INSTALL OWNER FURNISHED EQUIPMENT.

ABBREVIATIONS & SYMBOLS

- A
- AHU – AIR HANDLING UNIT
- AFF – ABOVE FINISH FLOOR
- ASTM – AMERICAN SOCIETY FOR TESTING AND MATERIALS
- AQUASTAT-
- B
- BFF – BELOW FINISHED FLOOR
- BTU – BRITISH THERMAL UNIT
- BALL VALVE
- BFP – BACKFLOW PREVENTER
- BALL VALVE – ANGLE
- BUTTERFLY VALVE
- C
- CU – CONDENSING UNIT
- CHECK VALVE (FULL FLOW)
- CHECK VALVE
- D
- DIA – DIAMETER
- F
- FD – FLOOR DRAIN
- FLEX – FLEXIBLE PIPING
- G
- GATE VALVE –
- GLOBE VALVE –
- H
- HP – HORSEPOWER
- HP – HEAT PUMP
- I
- IP – INLINE PUMP
- M
- MCA – MAXIMUM CIRCUIT AMPS
- MOCP – MAXIMUM OVER CURRENT PROTECTION
- N
- NTS – NOT TO SCALE
- NTP – NO TRAP PRIMER
- NEDDLE VALVE
- P
- PRESSURE RELIEF VALVE
- POU – POINT OF USE
- PLUMBING FIXTURE NUMBER
- PRESSURE REDUCING VALVE
- R
- RV – RELIEF VENT
- RL – RAIN LEADER
- RD – ROOF DRAIN
- T
- T'STAT – THERMOSTAT
- THERMOMETER
- TMV – THERMOSTATIC MIXING VALVE
- U
- UNION
- V
- VTR – VENT THROUGH ROOF
- VERT – VERTICAL

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

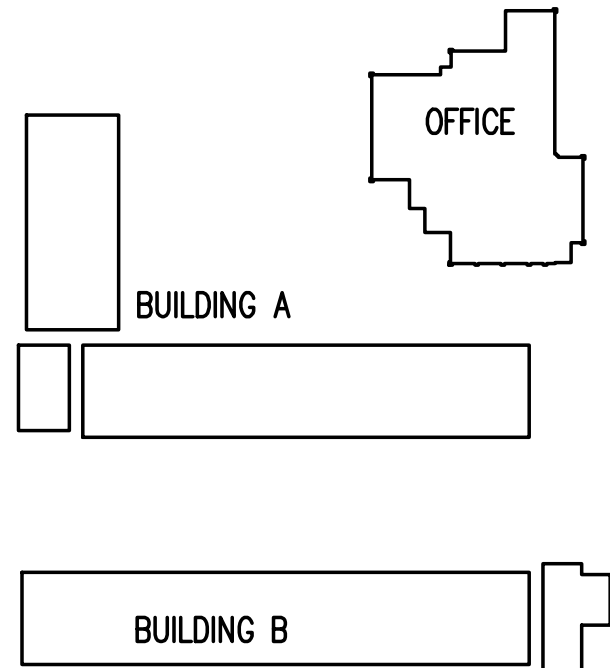
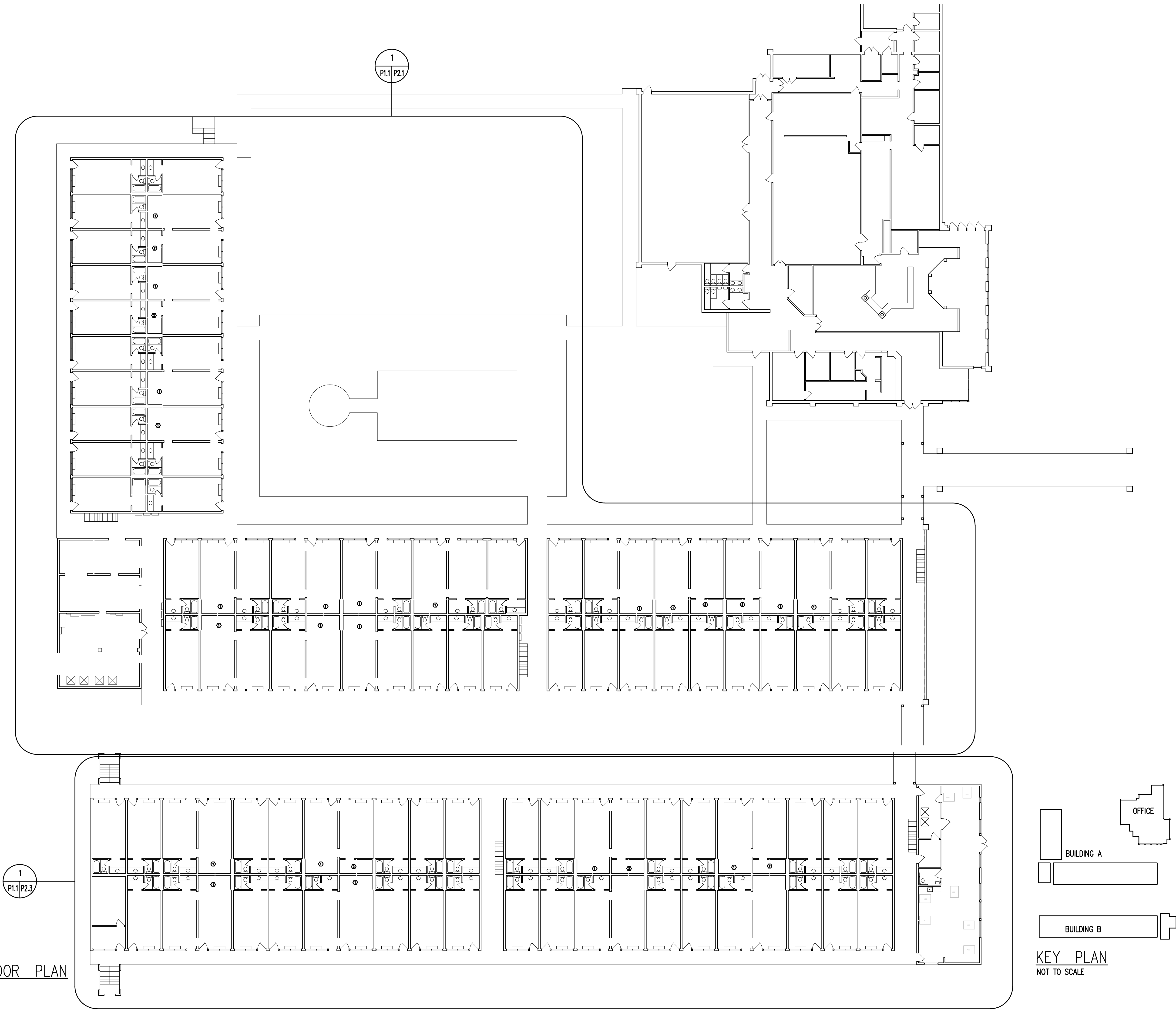
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DEMOLITION FIRST FLOOR PLAN

SCALE 1/16" = 1'-0"



KEY PLAN
NOT TO SCALE

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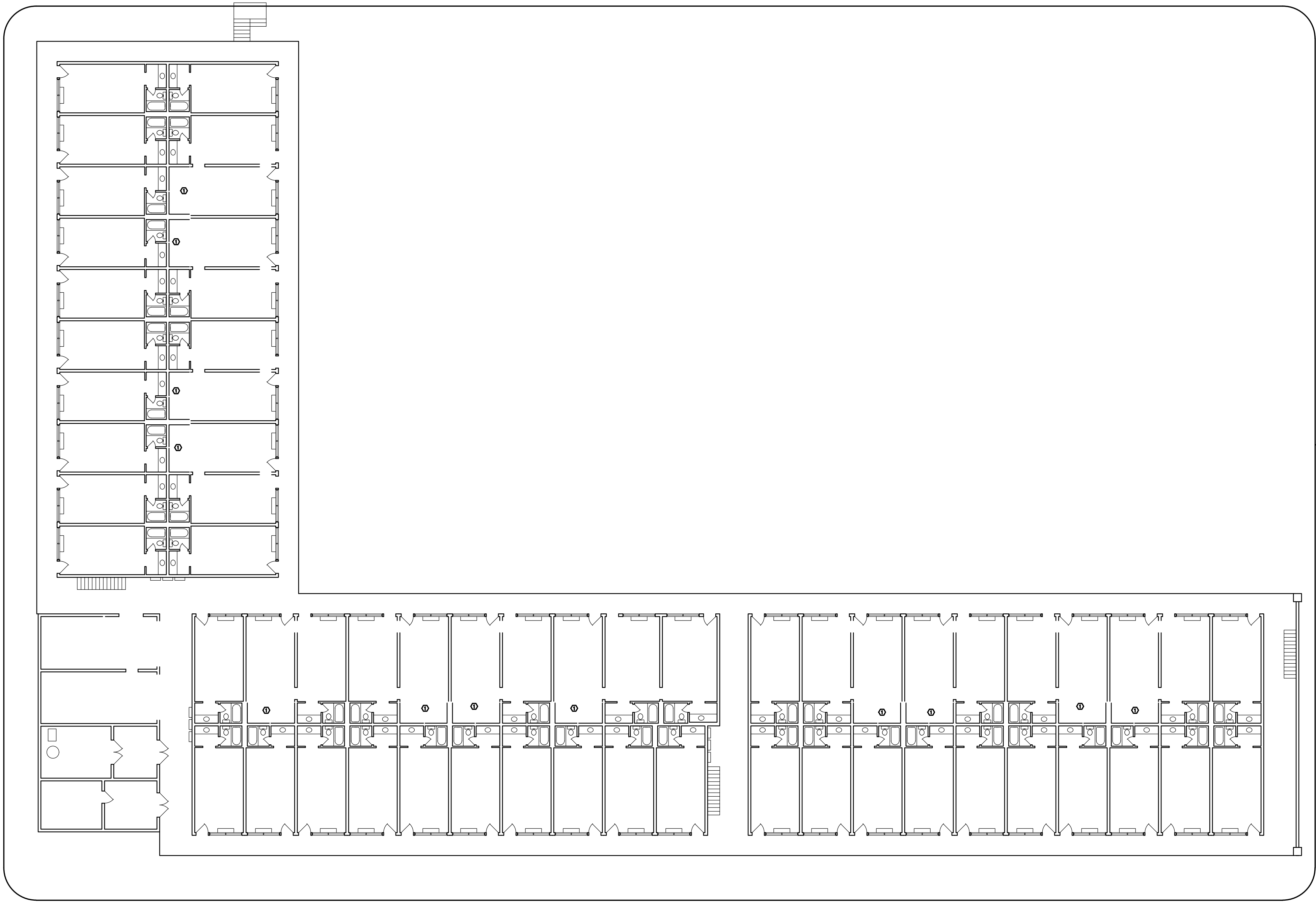
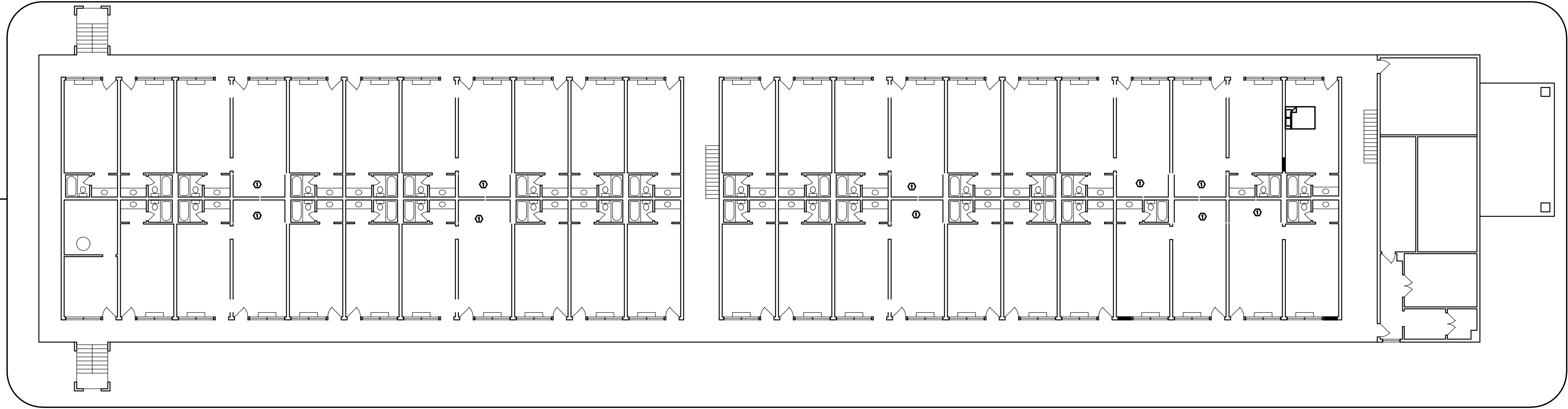
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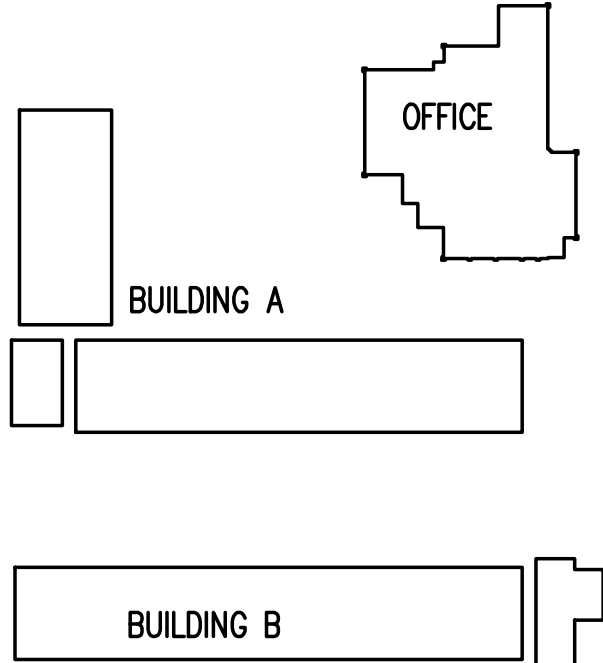
DEMOLITION SECOND
FLOOR PLAN

SCALE 1/16" = 1'-0"

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P1.2 P2.4



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P1.2 P2.2



KEY PLAN
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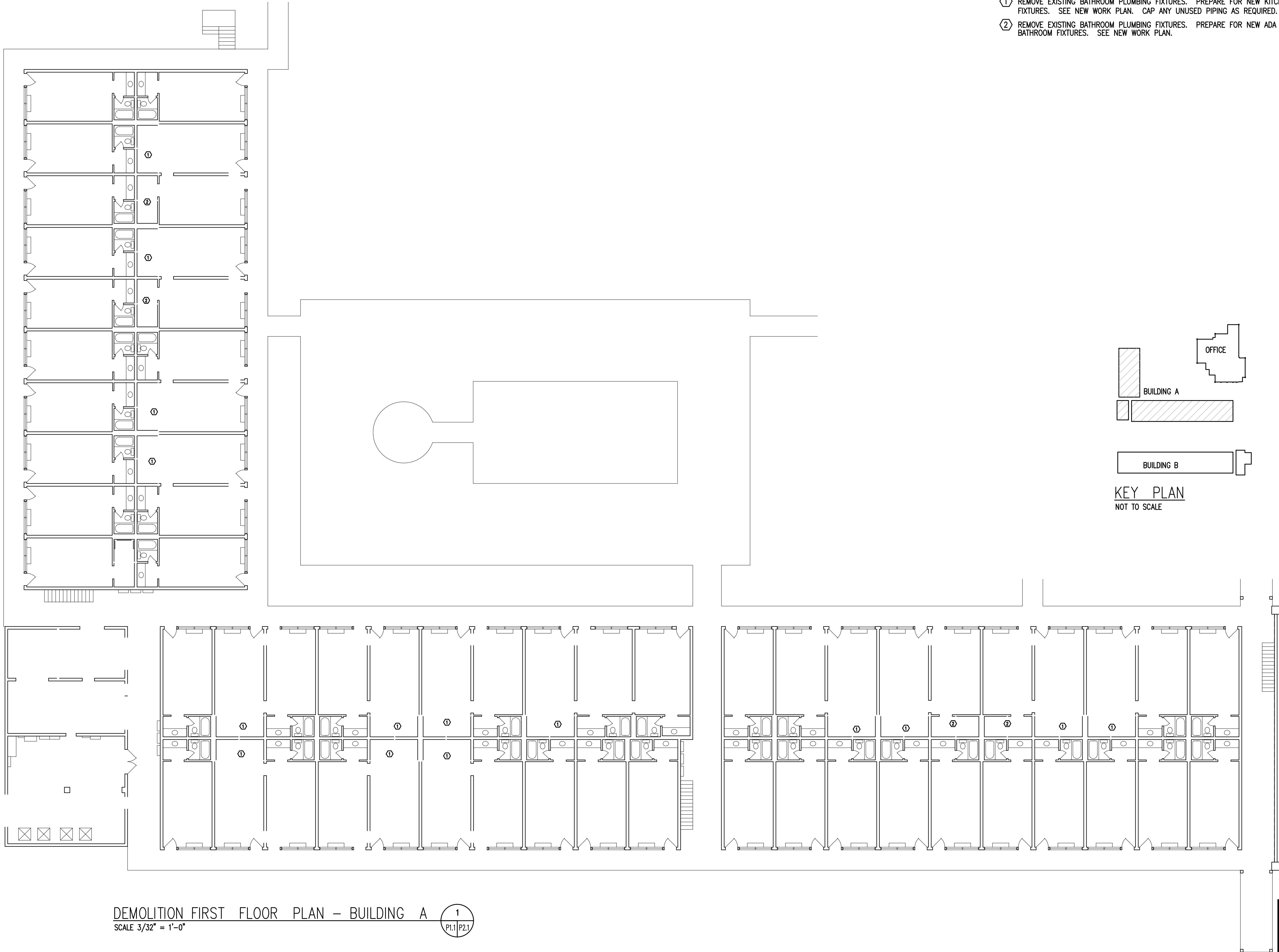
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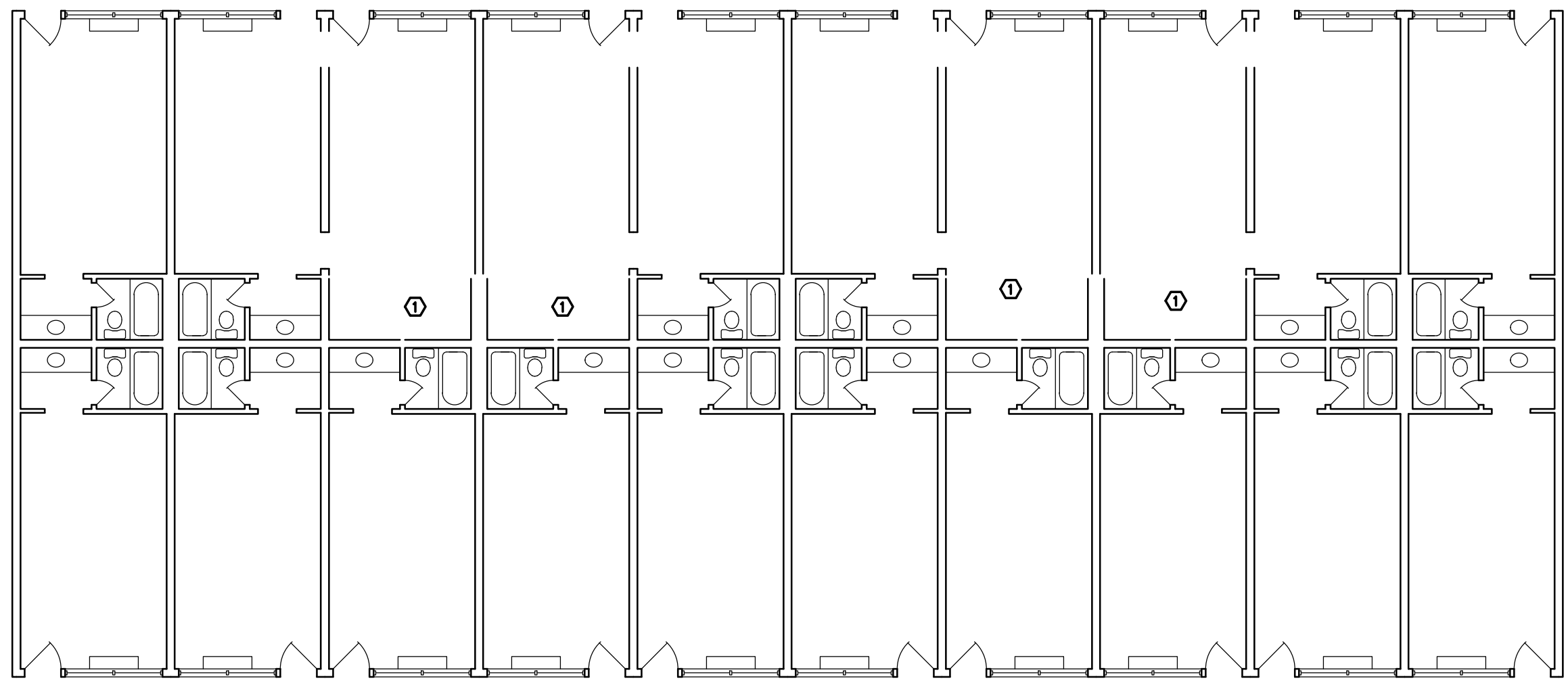
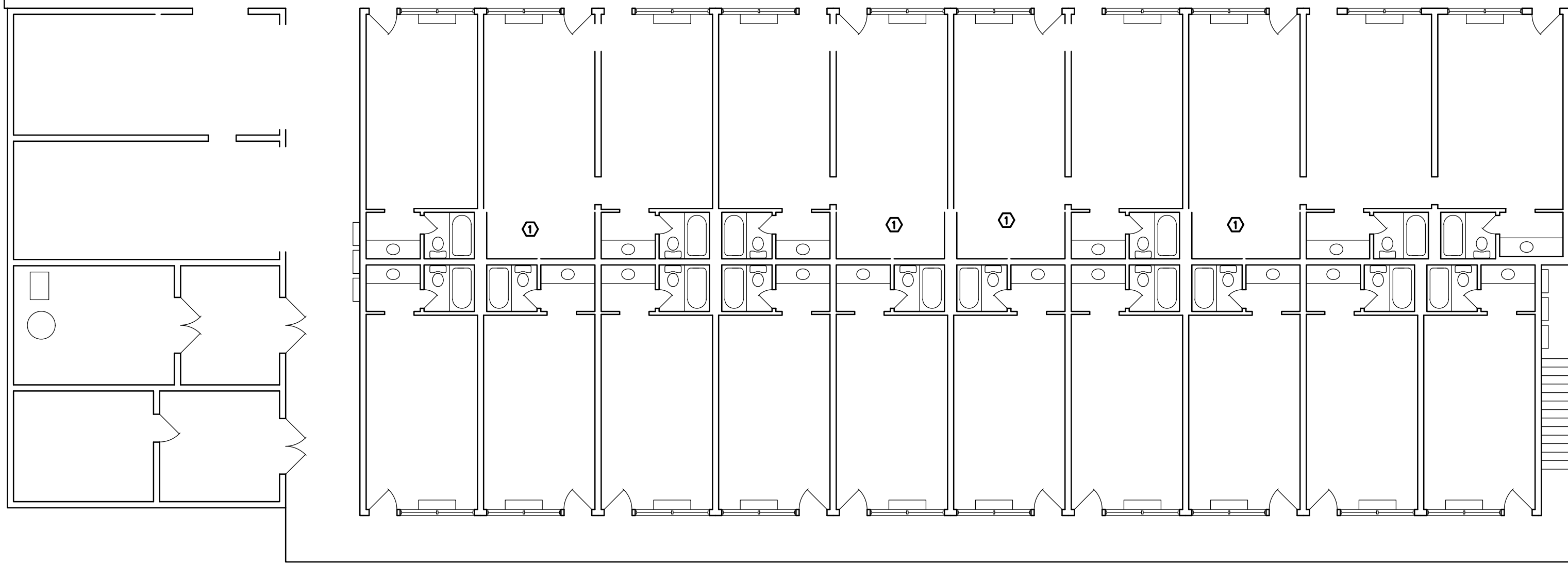
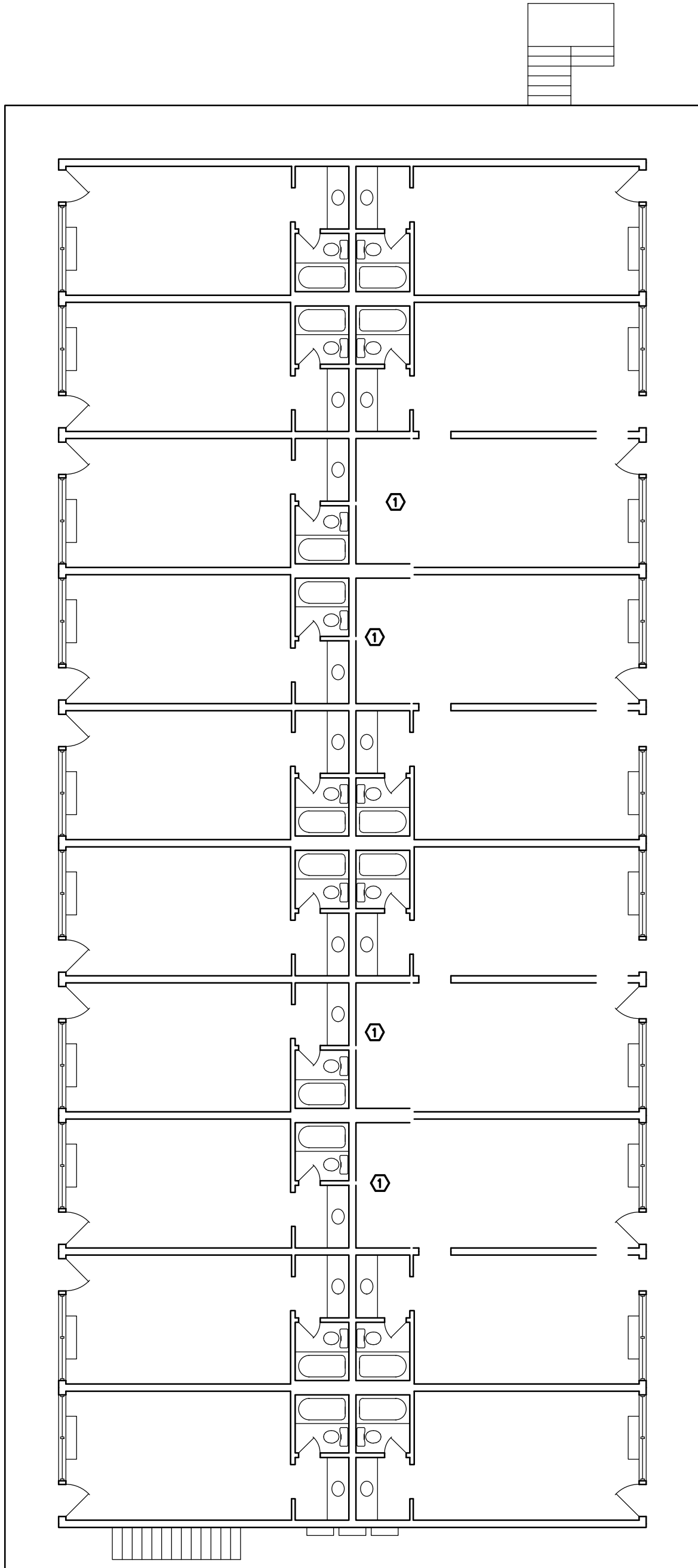
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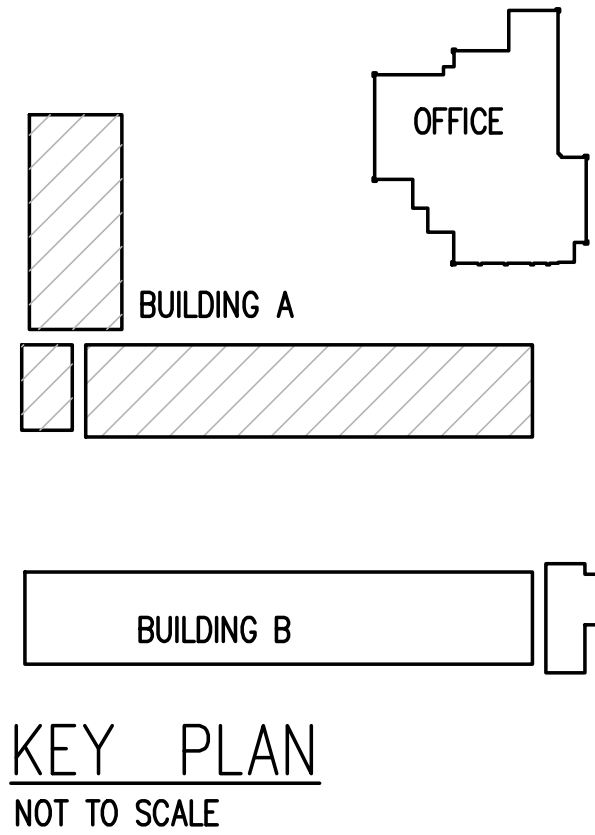
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DEMOLITION NOTES:

- ① REMOVE EXISTING BATHROOM PLUMBING FIXTURES. PREPARE FOR NEW KITCHEN FIXTURES. SEE NEW WORK PLAN. CAP ANY UNUSED PIPING AS REQUIRED.
- ② REMOVE EXISTING BATHROOM PLUMBING FIXTURES. PREPARE FOR NEW ADA BATHROOM FIXTURES. SEE NEW WORK PLAN.



KEY PLAN
NOT TO SCALE

DEMOLITION SECOND FLOOR PLAN – BUILDING A
SCALE 3/32" = 1'-0"

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P1.2 P2.2

REVISION DATE
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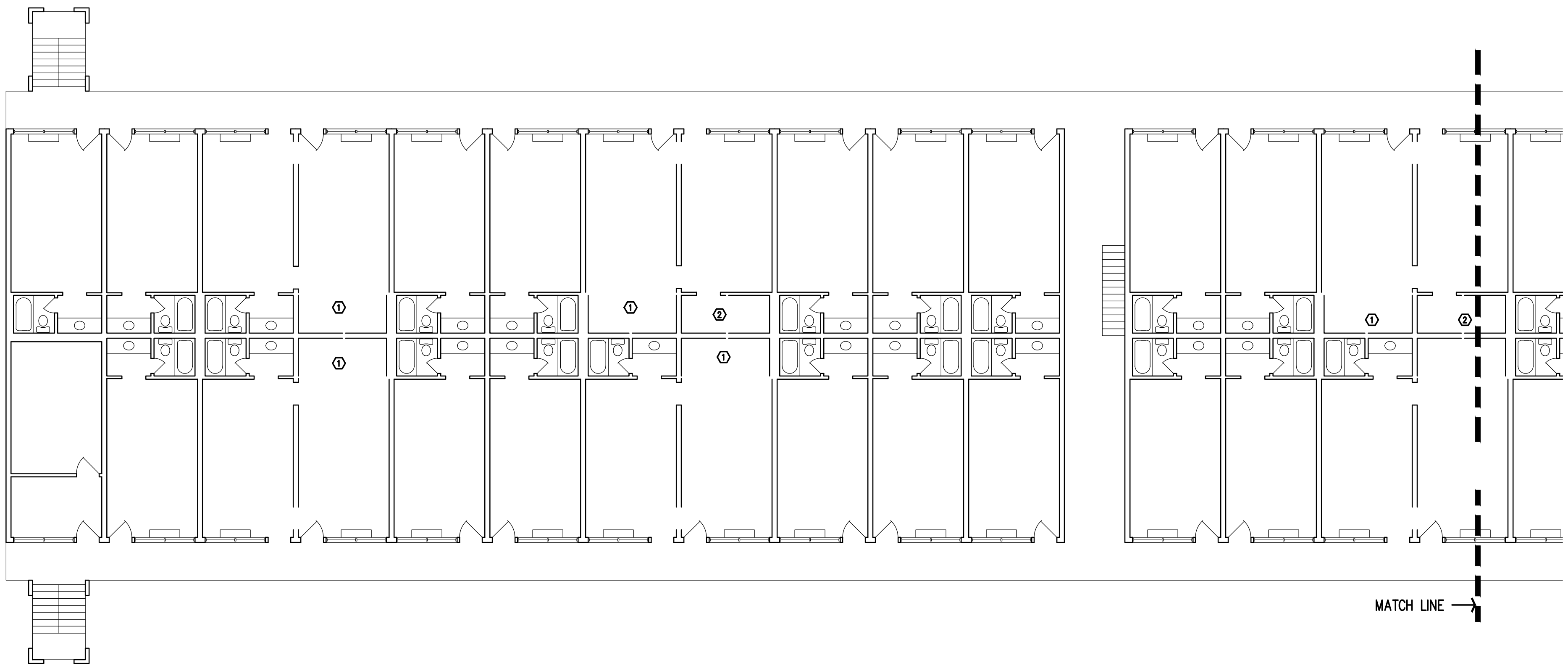
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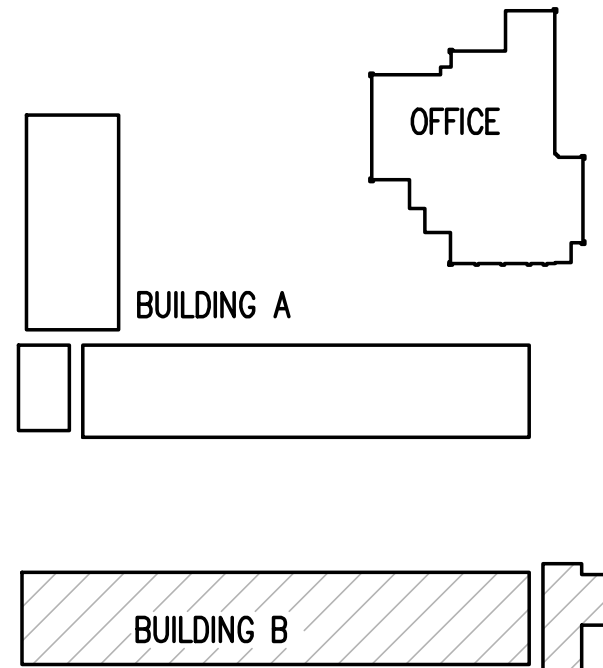
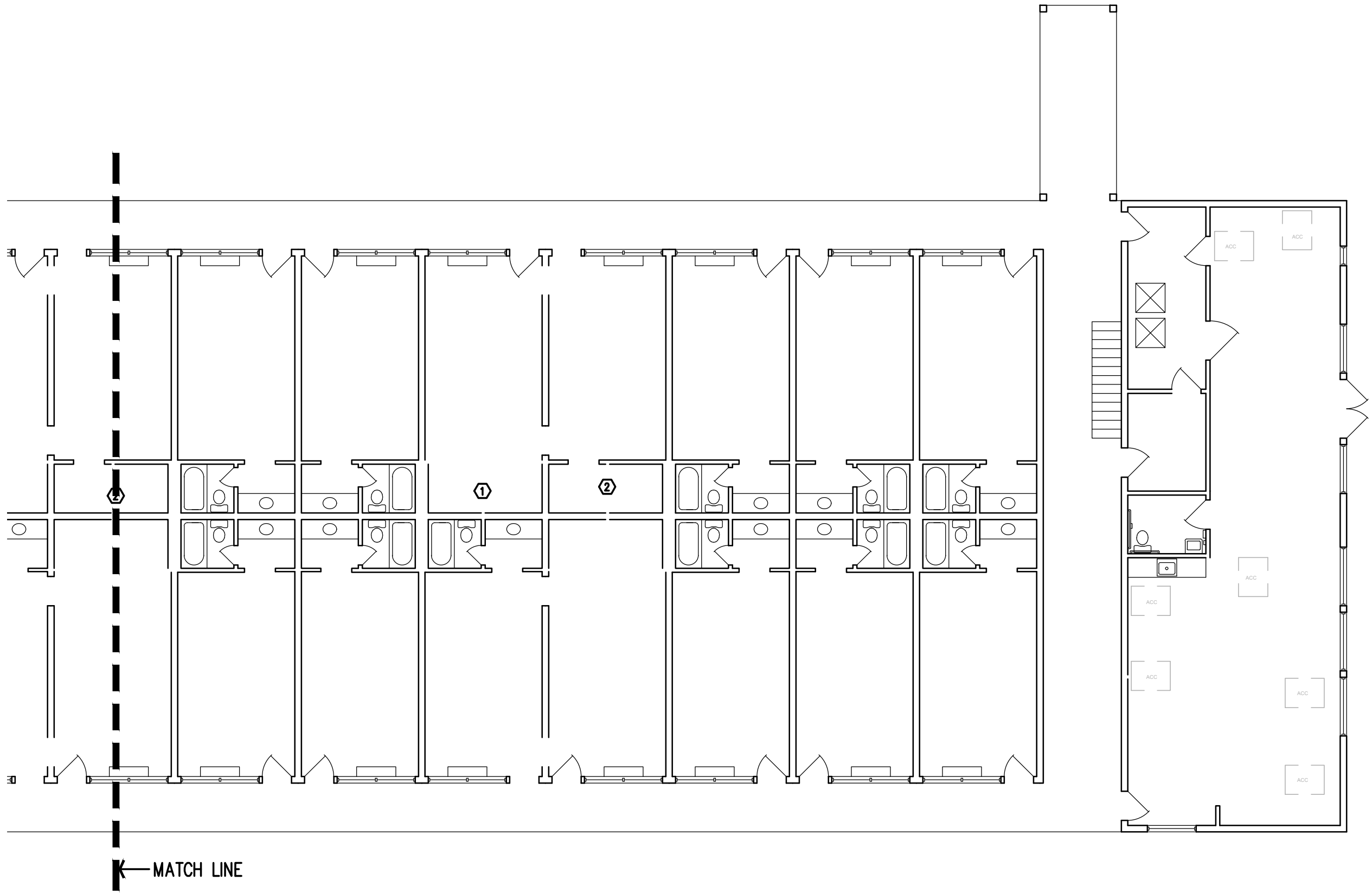
DEMOLITION NOTES:

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- 2 REMOVE EXISTING BATHROOM PLUMBING FIXTURES. PREPARE FOR NEW ADA BATHROOM FIXTURES. SEE NEW WORK PLAN.



DEMOLITION FIRST FLOOR PLAN – BUILDING B
SCALE 3/32" = 1'-0"

1
P1.1/P2.3



KEY PLAN
NOT TO SCALE

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200 VALLEY DRIVE
PERRY, GEORGIA

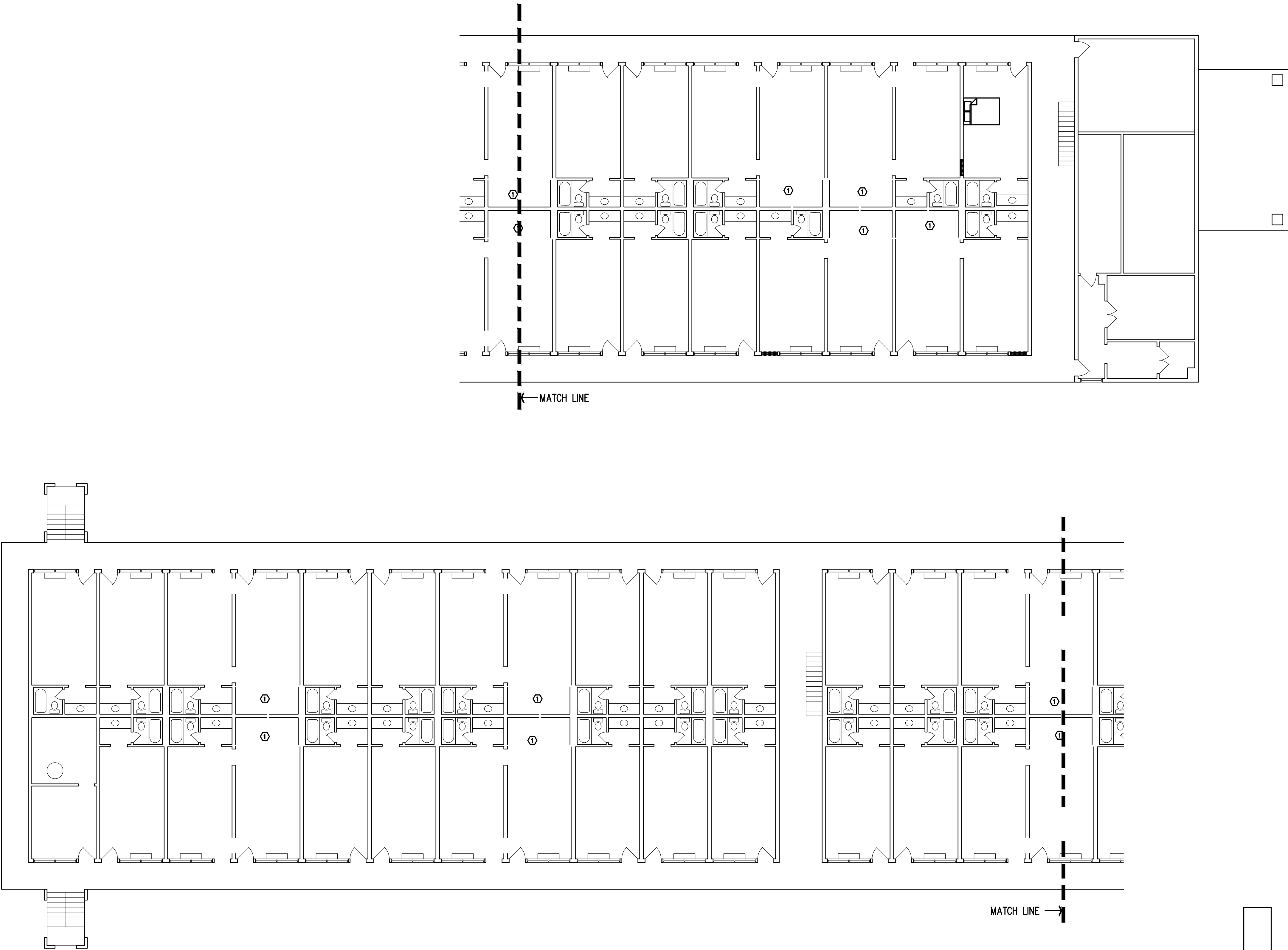
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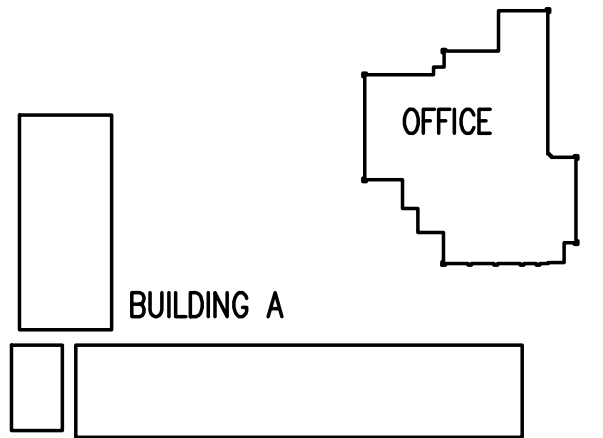
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 - ② REMOVE EXISTING BATHROOM PLUMBING FIXTURES. PREPARE FOR NEW ADA BATHROOM FIXTURES. SEE NEW WORK PLAN.



DEMOLITION SECOND FLOOR PLAN – BUILDING B
SCALE 3/32" = 1'-0"

1
P1.2 P2.4



BUILDING A

BUILDING B

KEY PLAN
NOT TO SCALE

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PERRY, GEORGIA

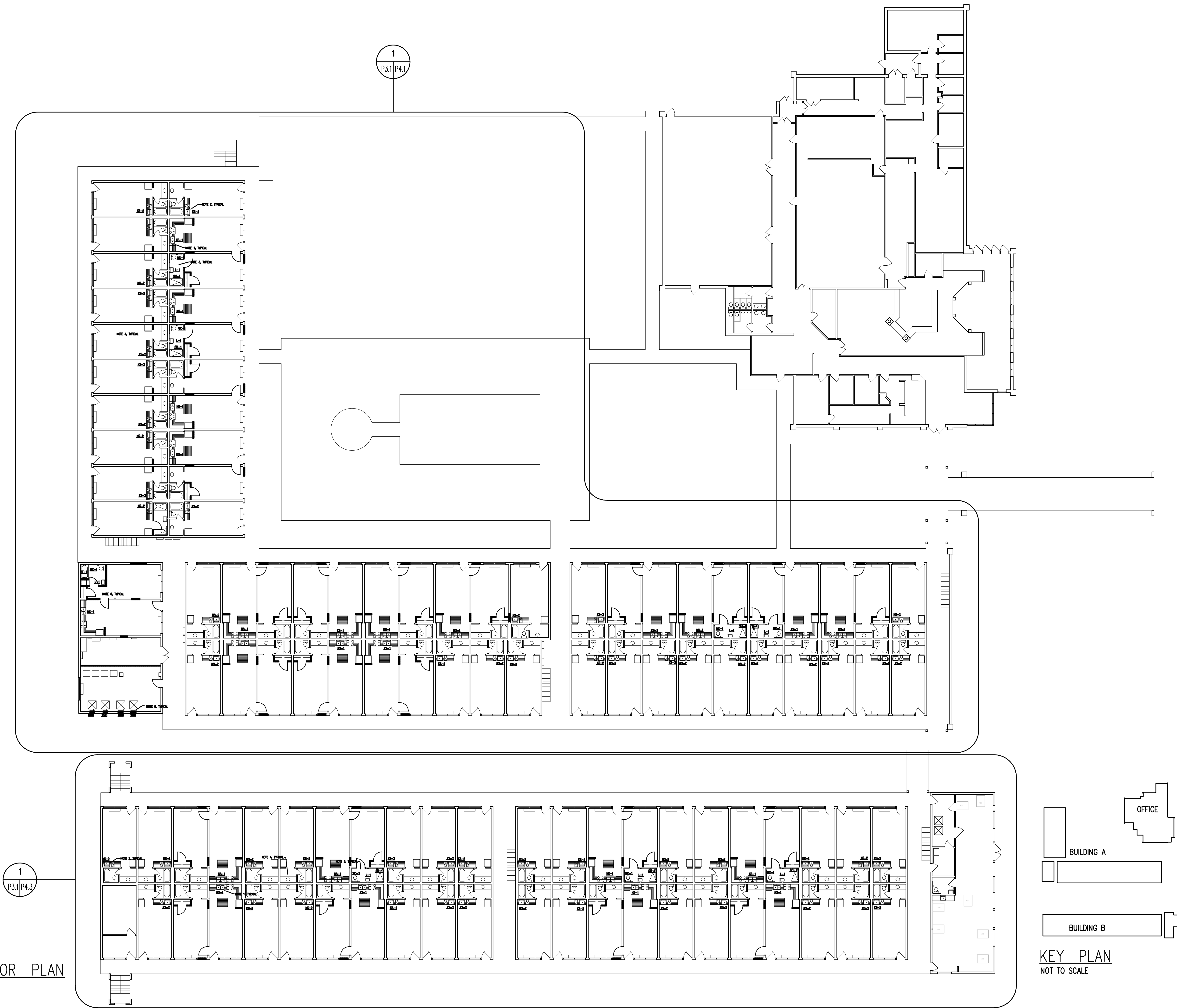
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P2.4

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NEW WORK FIRST FLOOR PLAN
SCALE 1/16" = 1'-0"



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PERRY, GEORGIA

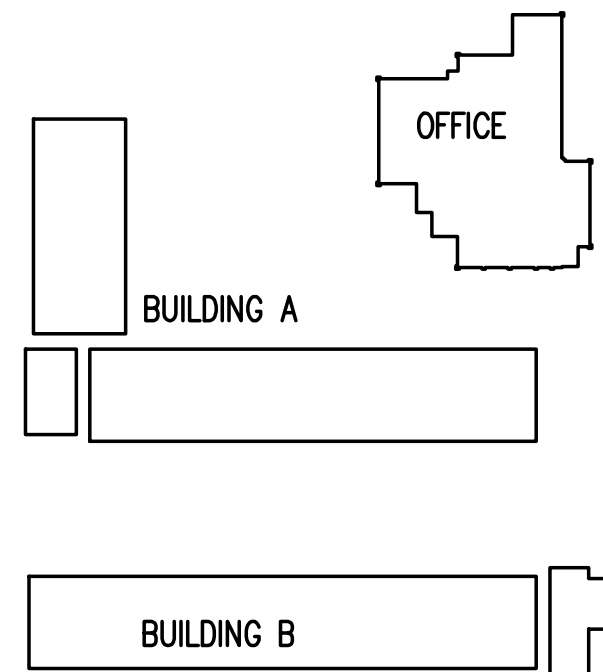
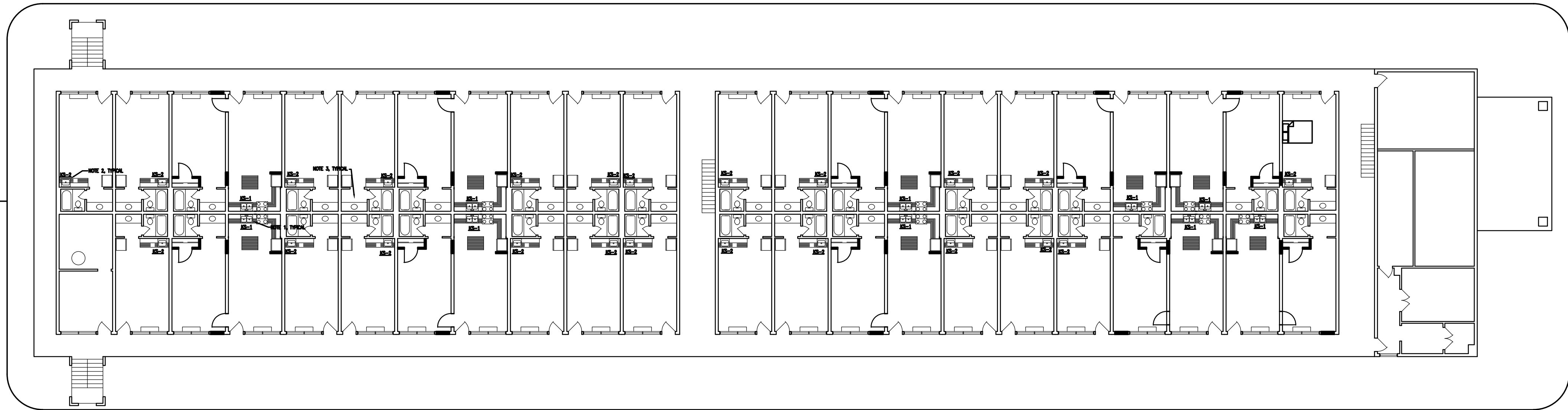
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P3.1

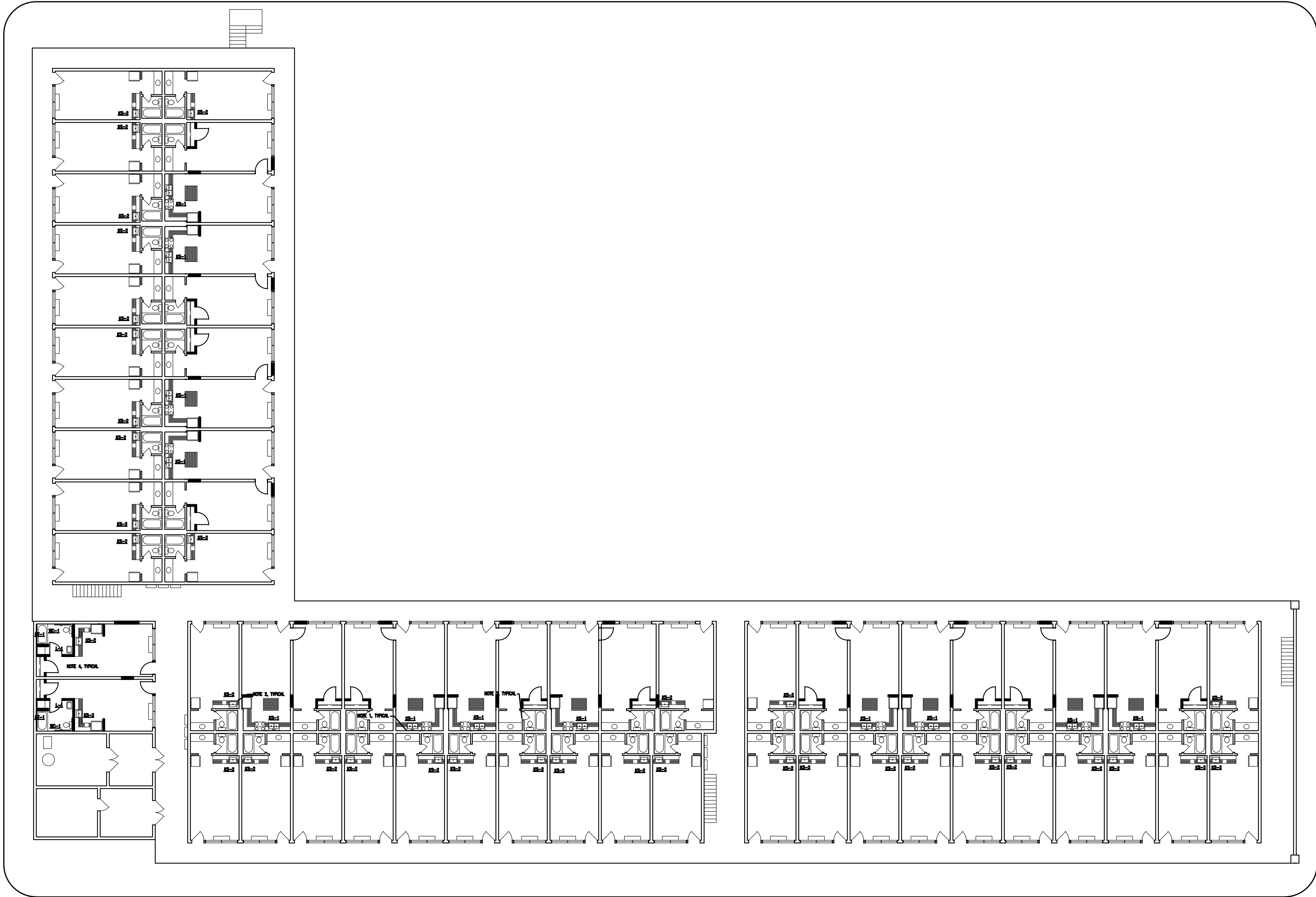
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NEW WORK SECOND
FLOOR PLAN
SCALE 1/16" = 1'-0"

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P3.2/P4.4



KEY PLAN
NOT TO SCALE



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P3.2/P4.2

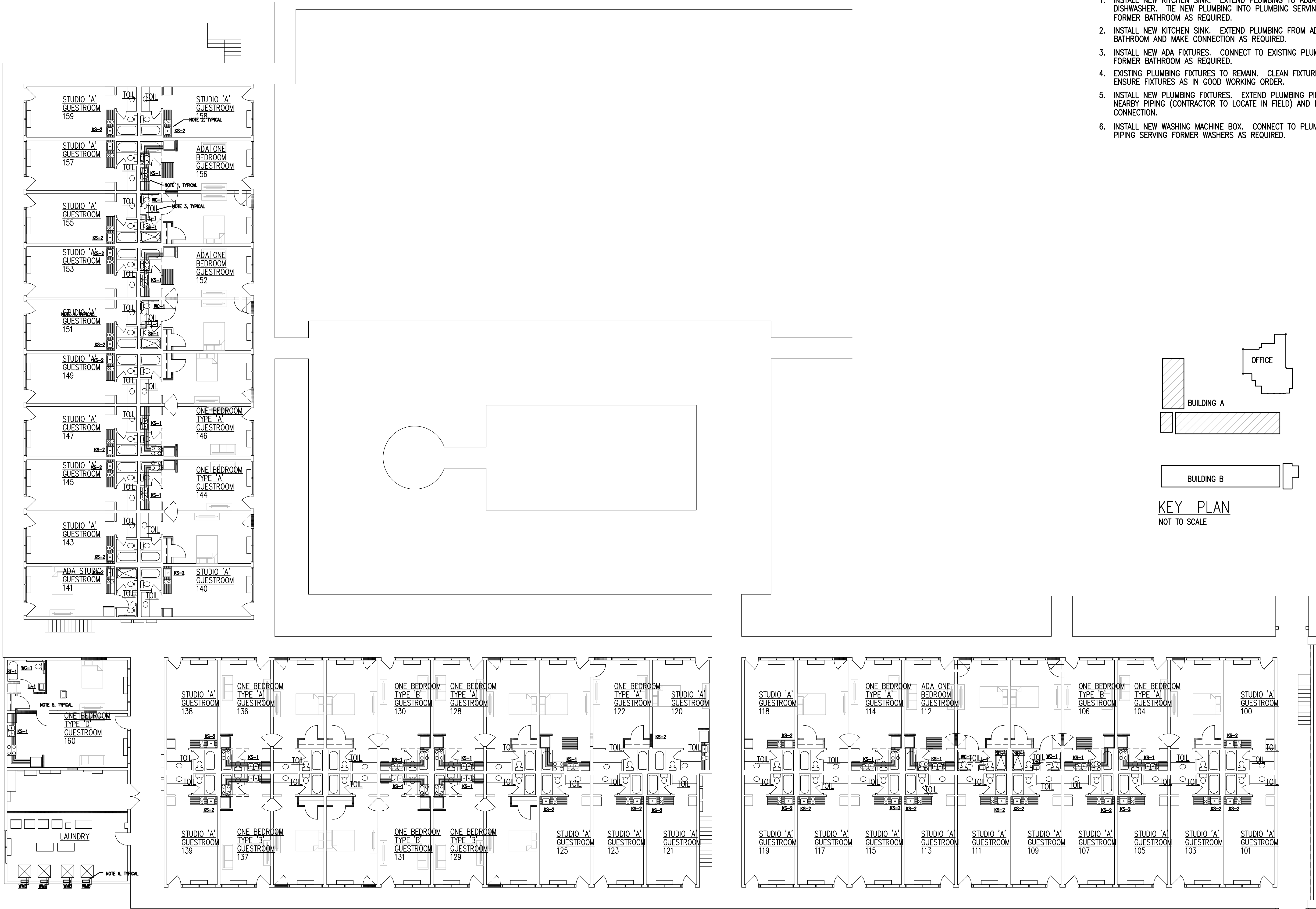
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NEW WORK NOTES:

1. INSTALL NEW KITCHEN SINK. EXTEND PLUMBING TO ADJACENT DISHWASHER. TIE NEW PLUMBING INTO PLUMBING SERVING FORMER BATHROOM AS REQUIRED.
2. INSTALL NEW KITCHEN SINK. EXTEND PLUMBING FROM ADJACENT BATHROOM AND MAKE CONNECTION AS REQUIRED.
3. INSTALL NEW ADA FIXTURES. CONNECT TO EXISTING PLUMBING OF FORMER BATHROOM AS REQUIRED.
4. EXISTING PLUMBING FIXTURES TO REMAIN. CLEAN FIXTURES AND ENSURE FIXTURES AS IN GOOD WORKING ORDER.
5. INSTALL NEW PLUMBING FIXTURES. EXTEND PLUMBING PIPING FROM NEARBY PIPING (CONTRACTOR TO LOCATE IN FIELD) AND MAKE CONNECTION.
6. INSTALL NEW WASHING MACHINE BOX. CONNECT TO PLUMBING PIPING SERVING FORMER WASHERS AS REQUIRED.

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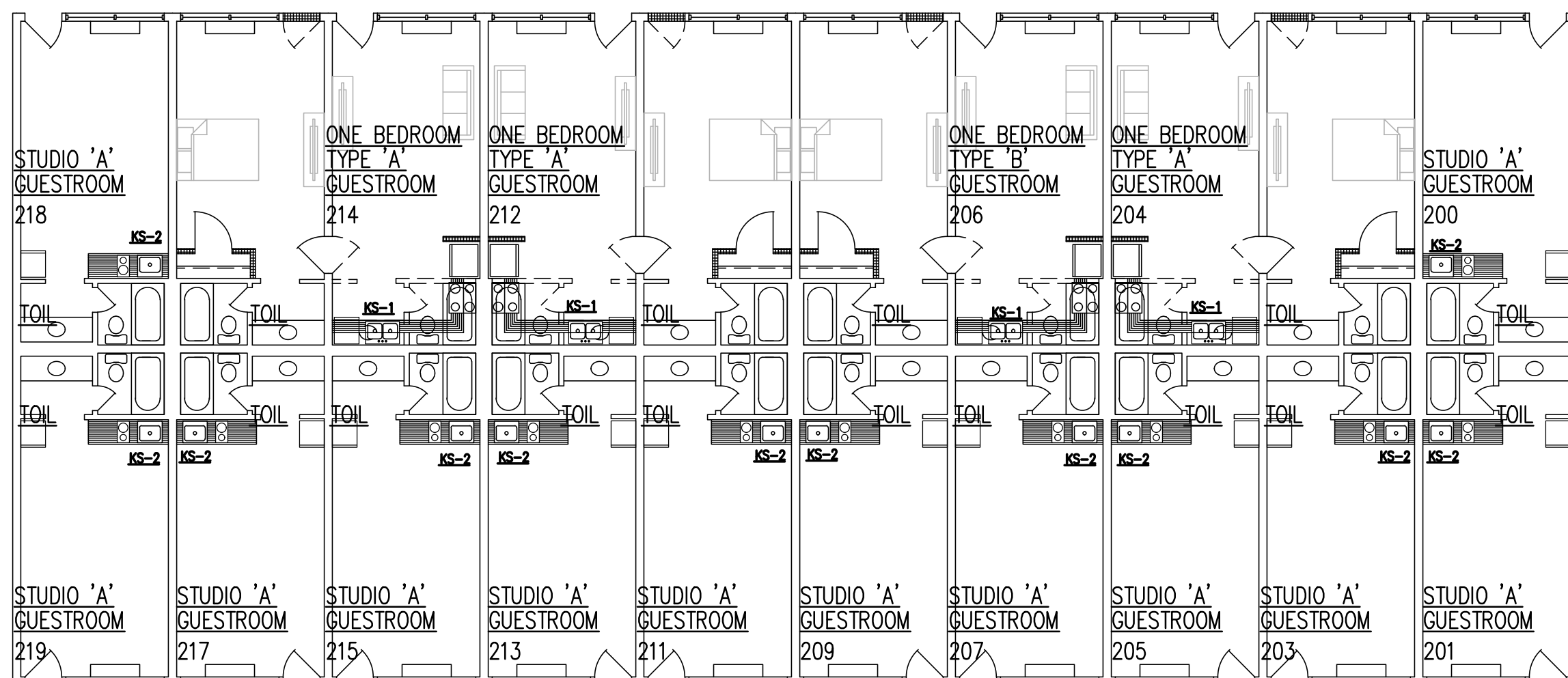
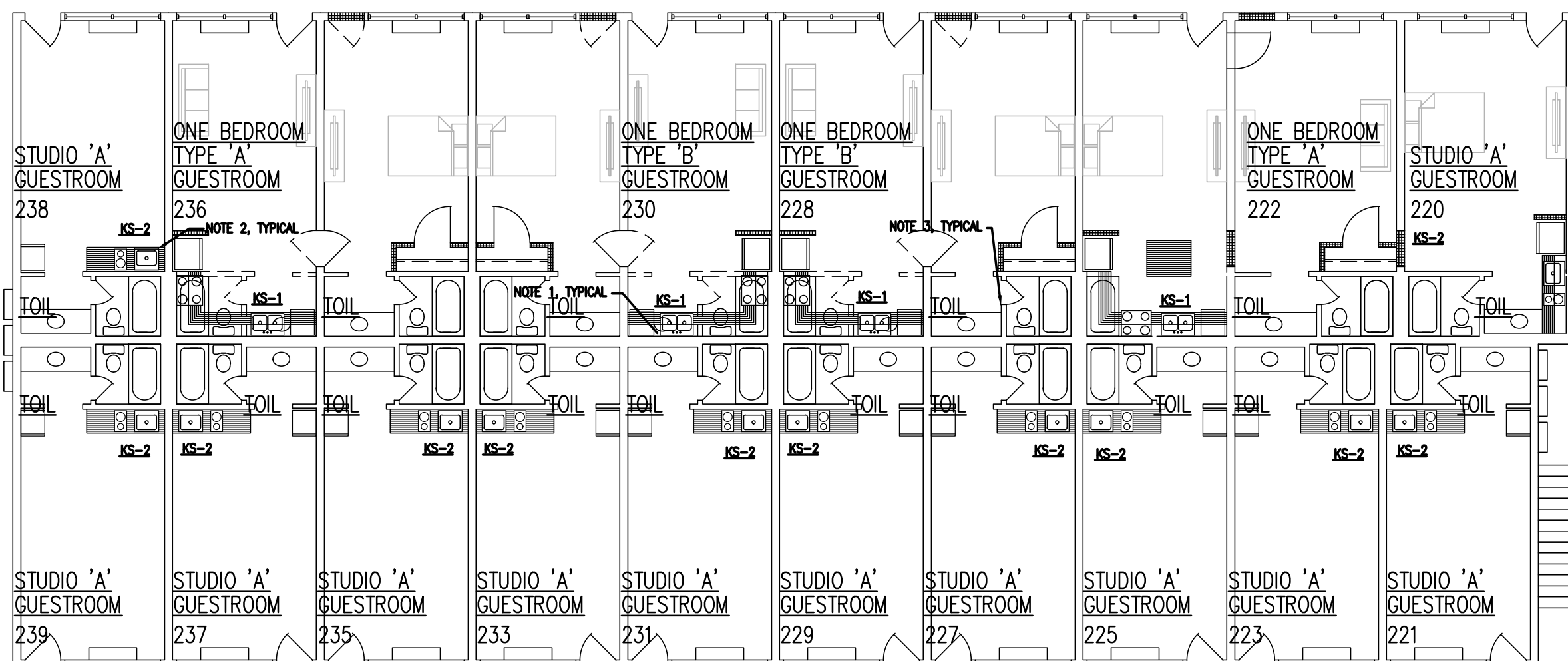
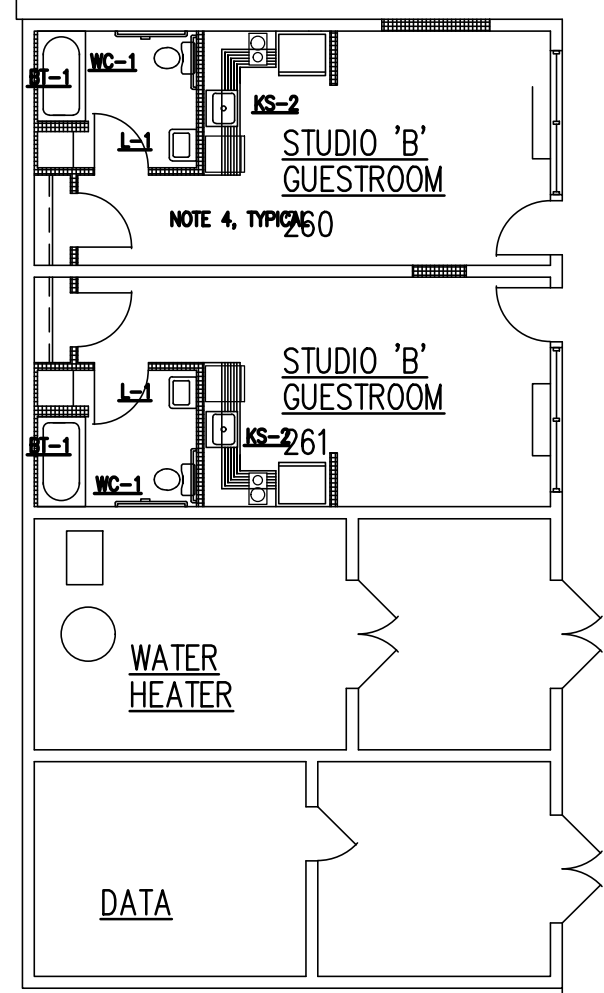
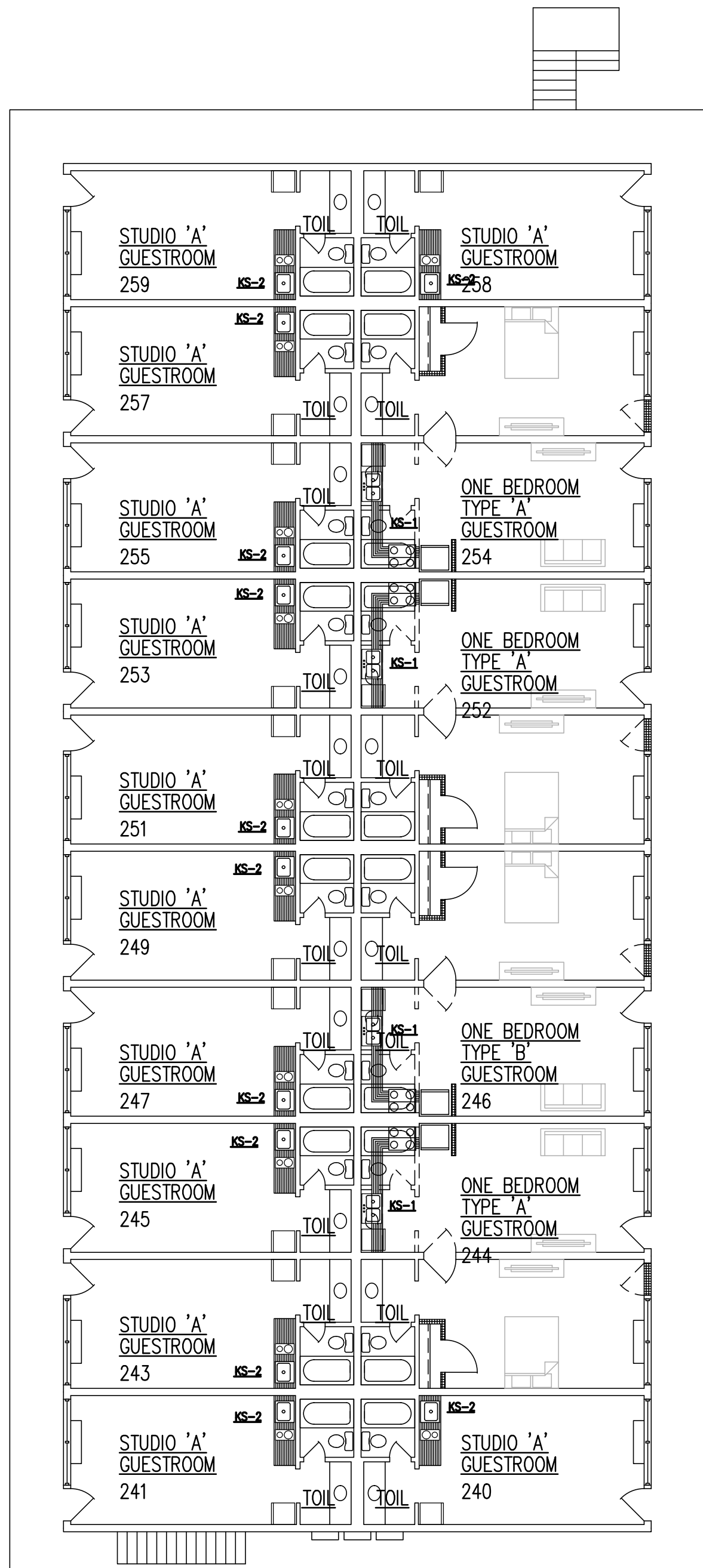
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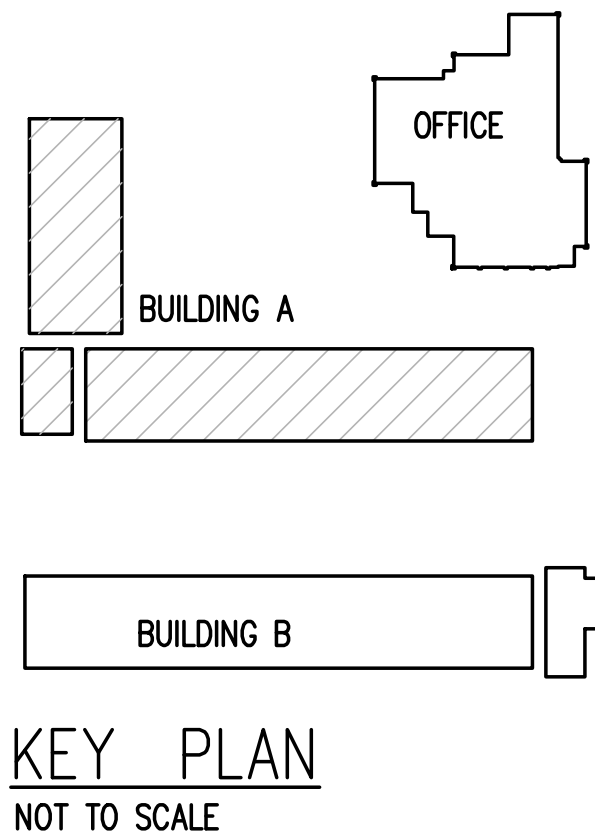
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NEW WORK NOTES:

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2. INSTALL NEW KITCHEN SINK. EXTEND PLUMBING FROM ADJACENT BATHROOM AND MAKE CONNECTION AS REQUIRED.
3. EXISTING PLUMBING FIXTURES TO REMAIN. CLEAN FIXTURES AND ENSURE FIXTURES AS IN GOOD WORKING ORDER.
4. INSTALL NEW PLUMBING FIXTURES. EXTEND PLUMBING PIPING FROM NEARBY PIPING (CONTRACTOR TO LOCATE IN FIELD) AND MAKE CONNECTION.



GA PERRY VALLEY
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200 VALLEY DRIVE
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PROJECT ARCHITECT
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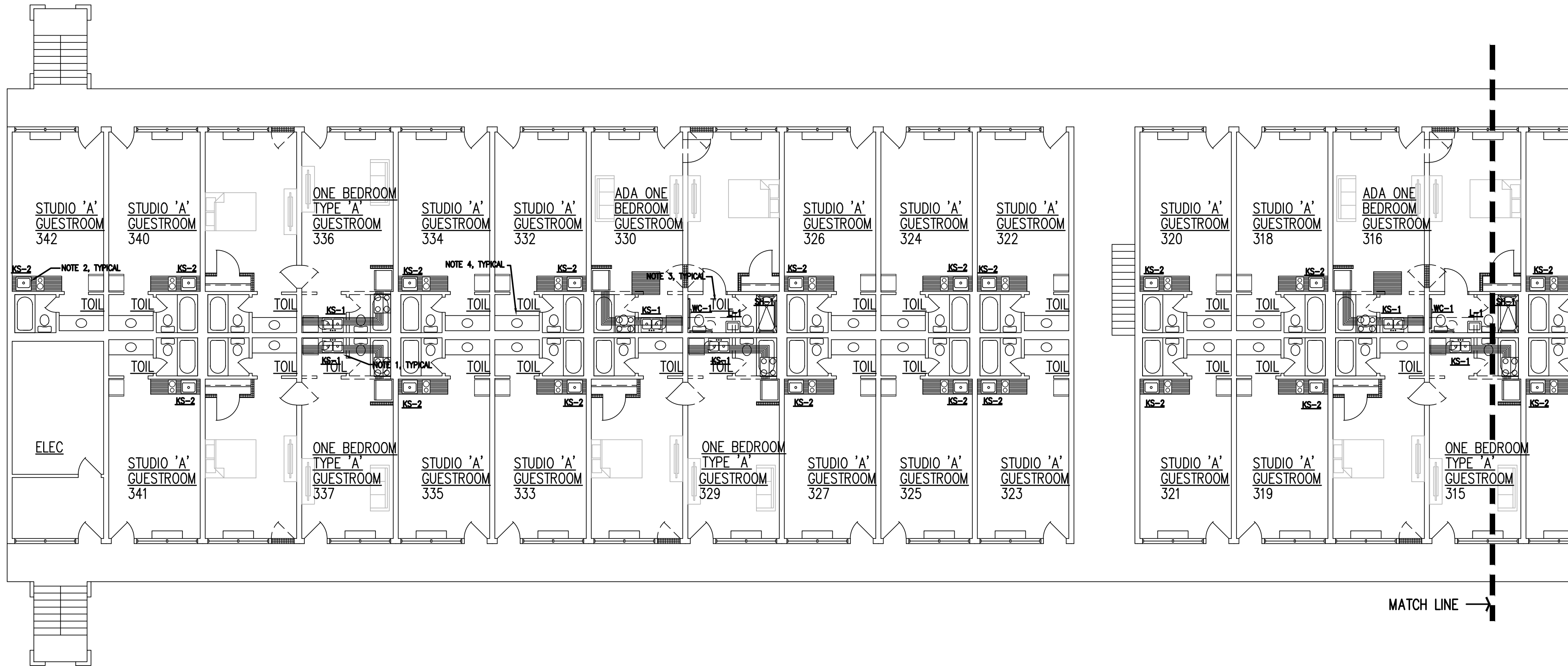
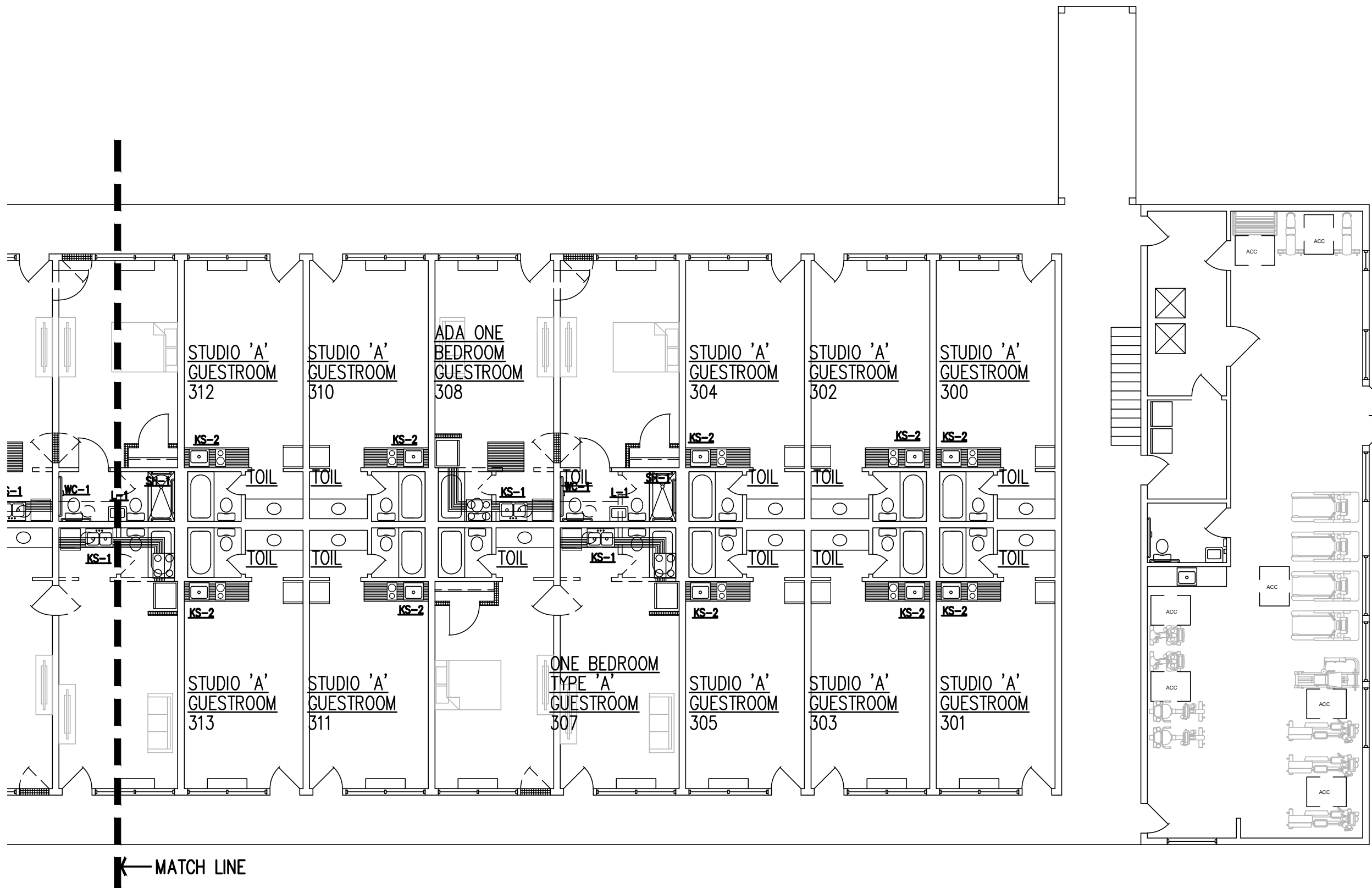
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NEW WORK SECOND FLOOR PLAN – BUILDING A
SCALE 3/32" = 1'-0"

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P3.2/P4.2

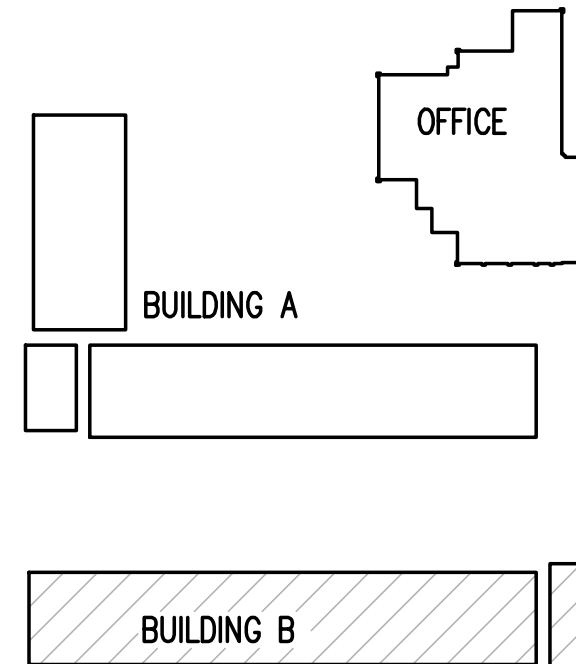
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NEW WORK FIRST FLOOR PLAN – BUILDING B
SCALE 3/32" = 1'-0"

1
P3.1/P4.3



KEY PLAN
NOT TO SCALE

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

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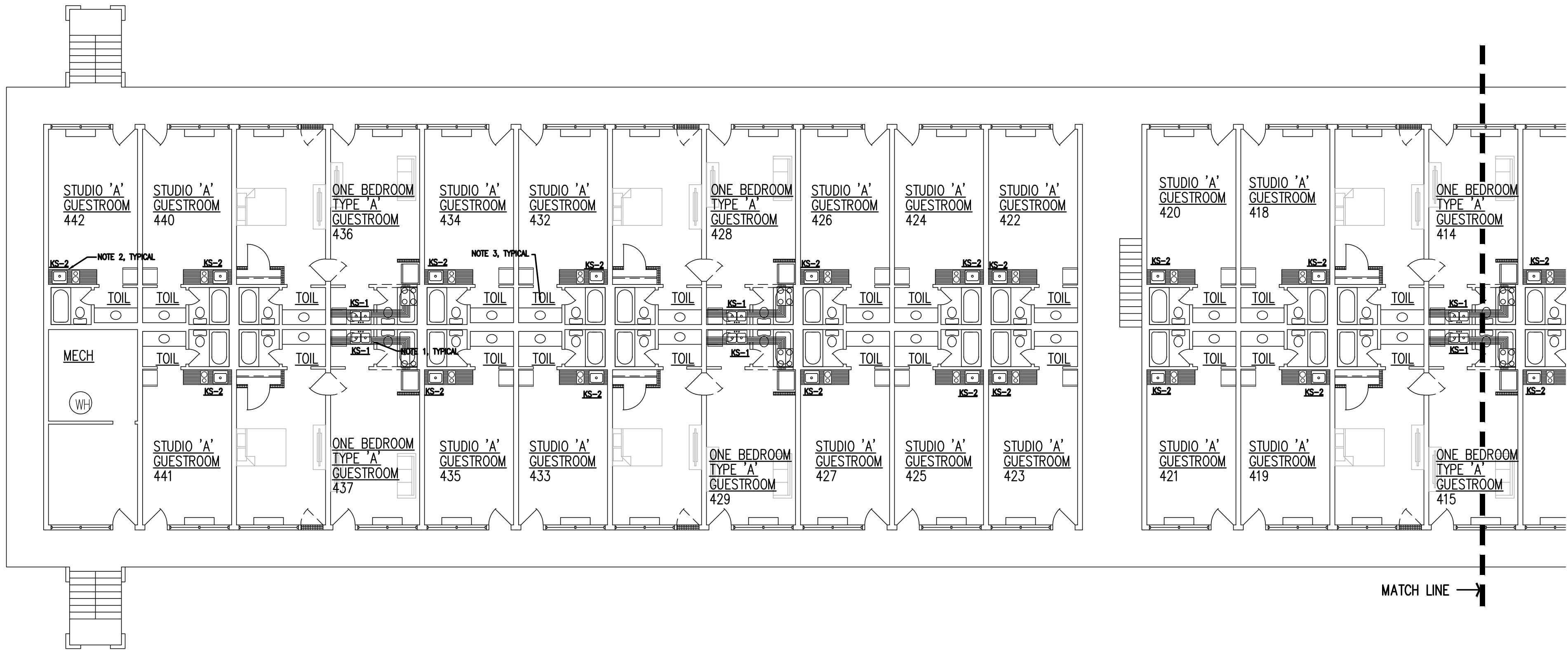
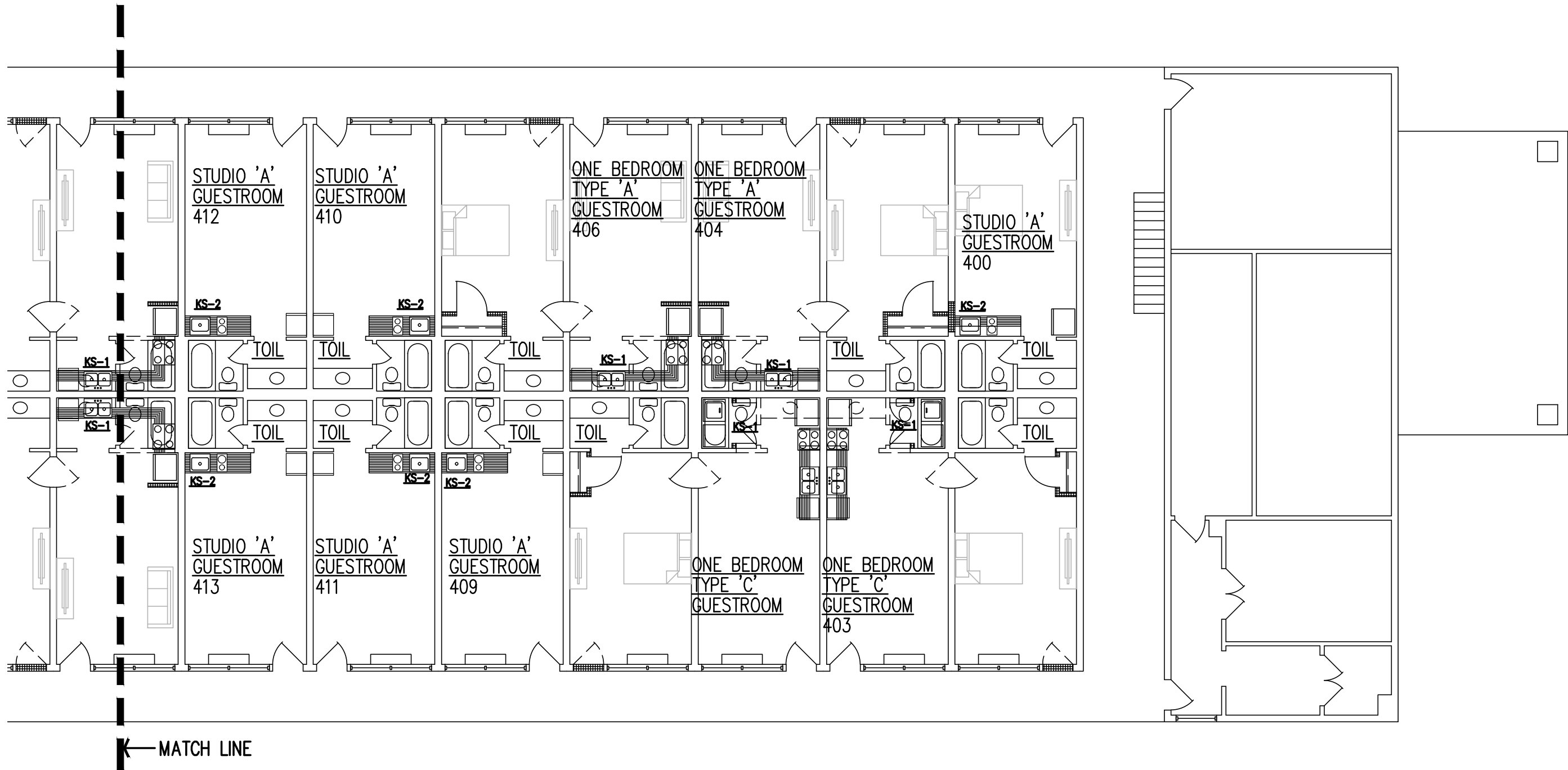
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NEW WORK NOTES:

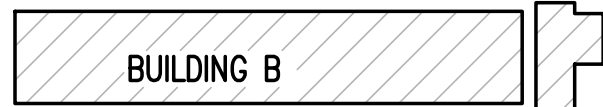
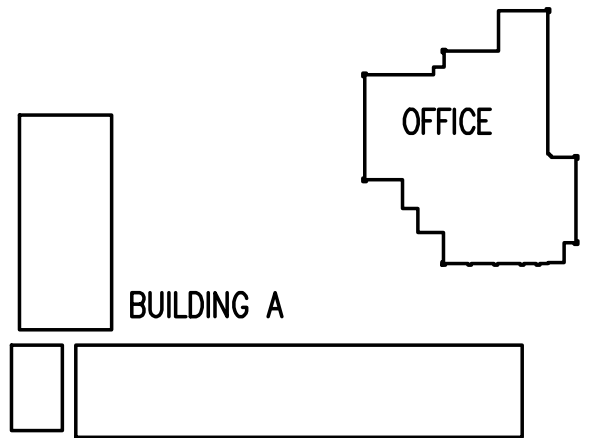
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NEW WORK SECOND FLOOR PLAN – BUILDING B

SCALE 3/32" = 1'-0"

1
P3.2/P4.4



KEY PLAN
NOT TO SCALE

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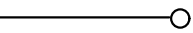
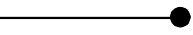
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GENERAL NOTES
1. MECHANICAL EQUIPMENT IS SHOWN IN APPROXIMATE LOCATIONS. FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT AND PIPING, SEE MECHANICAL DRAWINGS. SOME MECHANICAL EQUIPMENT IS LOCATED ON THE ROOF. VERIFY LOCATION WITH MECHANICAL AND PROVIDE ALL CONDUIT AND WIRING TO OUTDOOR EQUIPMENT. 2. WHERE LIGHT SWITCHES ARE INDICATED TO BE MOUNTED BEHIND DOOR, MOUNT SUCH SWITCHES A MINIMUM OF 3'-9" FROM HINGED SIDE. 3. REVISE PANELBOARD SCHEDULES ON PANEL DIRECTORIES TO REFLECT FINAL INSTALLATION CONDITIONS. 4. LOCATE ALL RACEWAYS TO AVOID INTERFERENCE WITH DUCTS, PIPES, MECHANICAL EQUIPMENT, WITH REMOVAL OF CEILING TILES, OR WITH ACCESS TO EQUIPMENT WHICH REQUIRES PERIODIC ADJUSTMENT OR MAINTENANCE. 5. PROVIDE NAMEPLATES ON THE EXTERIOR OF ALL ELECTRICAL PANELS AND ENCLOSURES WITH THE DEVICE ID, RATING, POWER SOURCE AND INSTALLATION DATE AND BY WHICH SWITCH OR STARTER. 6. COUNTER AND TOILET RECEPTACLES TO BE GFI AND COUNTER HEIGHT EXCEPT WHERE NOTED. REFRIGERATOR RECEPTACLE TO BE 36" AFF. 7. LIGHT FIXTURE TYPE IS SHOWN ONLY ONCE AS TYPICAL FOR THE ENTIRE ROOM UNLESS SPECIFICALLY INDICATED OTHERWISE. 8. UNLESS INDICATED OTHERWISE, SIZE CONDUITS IN ACCORDANCE WITH NFPA 70. 9. COORDINATE WITH THE MECHANICAL CONTRACTOR TO ENSURE ALL WORKING CLEARANCE AND DEDICATED WORKING SPACE OF PANELBOARDS. 10.COORDINATE ELECTRICAL INSTALLATION WITH ALL CASEWORK TO BE INSTALLED. PROVIDE THE NECESSARY JUNCTION BOXES FOR ALL POWER AND DATA CONNECTIONS INDICATED. 11. GROUNDING CONDUCTORS ARE NOT INDICATED IN BRANCH CIRCUIT RACEWAYS. PROVIDE GROUND CONDUCTORS AS REQUIRED BY NEC. 12.PROVIDE PLASTIC BUSHING ON THE END OF ALL CONDUIT. 13.PROVIDE LABELS ON ALL RECEPTACLE INDICATING PANEL AND CIRCUIT FEEDING EACH DEVICE. 14. COORDINATE WITH OWNER TO PROVIDE DATA DROPS AS REQUIRED AND TO LOCATION EXACT LOCATION OF DESIRED DROPS. PROVIDE PULL CORDS WITH ALL DATA BOXES. ALL WORK STATIONS REQUIRE DATA DROP. 15.REPLACE ALL SWITCHES AND COVER PLATES.

GENERAL UNIT NOTES

1. REPLACE EXISTING PANELS IN EACH UNIT WITH NEW PANEL. SEE SHEET E4-1 FOR PANEL INFORMATION.
2. RECONNECT EXISTING CIRCUITS IN UNIT TO NEW PANEL.
3. REPLACE EXISTING GAS WATER HEATER WITH NEW ELECTRIC WATER HEATER. PROVIDE A 30 AMP, 2 POLE BREAKER WITH #10 WIRE AND #10 GROUND TO COMPLETE CIRCUIT.
4. REPLACE EXISTING GAS HVAC UNIT WITH NEW ELECTRIC HVAC UNIT. SEE MECHANICAL EQUIPMENT SCHEDULE ON SHEET E4-1 FOR ELECTRICAL CONNECTION REQUIREMENTS, BREAKER AND WIRE SIZES.
5. REPLACE EXISTING GAS RANGE WITH NEW ELECTRIC RANGE. PROVIDE A 2 POLE 50 AMP BREAKER IN NEW PANEL WITH #8 WIRE AND #10 GROUND TO COMPLETE CIRCUIT.
6. PROVIDE NEW LED LIGHTING THROUGHOUT, INTERIOR AND EXTERIOR.
7. PROVIDE NEW RECEPTACLES AROUND UNITS MODIFIED FOR UFAS. PROVIDE SPACING IN ACCORDANCE WITH DWELLING UNITS.
8. RELOCATE ALL RECEPTACLES, LOWER ALL EXISTING TO 15" MIN. TO BOTTOM OF BOX. (EXCLUDES COUNTER HEIGHT RECEPTACLES).
9. PROVIDE LIGHTED SWITCHES AND AUDIO/VISUAL SMOKE DETECTORS IN SIGHT AND HEARING UNITS.

ELECTRICAL LEGEND			
	DUPLEX WALL RECEPTACLE, MOUNTING HEIGHT = 1'-6", EXCEPT 'C' SUBSCRIPT INDICATES MOUNTING IN CASEWORK(TYP). 'GF' SUBSCRIPT INDICATES GROUND FAULT, 'WP' SUBSCRIPT INDICATES WEATHERPROOF, 'EWC' SUBSCRIPT INDICATES GROUND FAULT BEHIND ELECTRIC WATER COOLER. '*' INDICATES MOUNTED HEIGHT = 8" ABOVE COUNTER(TYP). 'TV' INDICATES COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL PLANS FOR TV LOCATIONS.		CONDUCTORS IN CONDUIT CONCEALED IN CEILING OR WALL.
	PANELBOARD		BRANCH CIRCUIT HOME RUN TO PANELBOARD. NOTATION INDICATES PANELBOARD & BRANCH CIRCUIT CONNECTION.
	DISCONNECT,		CONDUCTORS IN CONDUIT CONCEALED IN SLAB OR BELOW GRADE.
			CONDUCTORS IN CONDUIT TURNED UP.
			CONDUCTORS IN CONDUIT TURNED DOWN.
LEGEND NOTES: 1. ALL MOUNTING HEIGHTS ARE TO TOP OF DEVICE UNLESS INDICATED OTHERWISE.			

LIGHTING FIXTURE SCHEDULE
- KITCHEN: SURFACED MTD, LITHONIA LED CAMBRIDGE; INPUT: 39W - LIVING/DINING, BEDROOM AND OTHER CEILING AND SURFACE MOUNTED: LITHONIA VERSILITE, WHITE; INPUT: 12.2W - BATHROOM VANITY: LITHONIA CONTRACTOR SELECT CONTEMPORARY LED SQUARE VANITY; INPUT: 27W - CLOSET: LED, ON WALL SWITCH

REVISION DATE

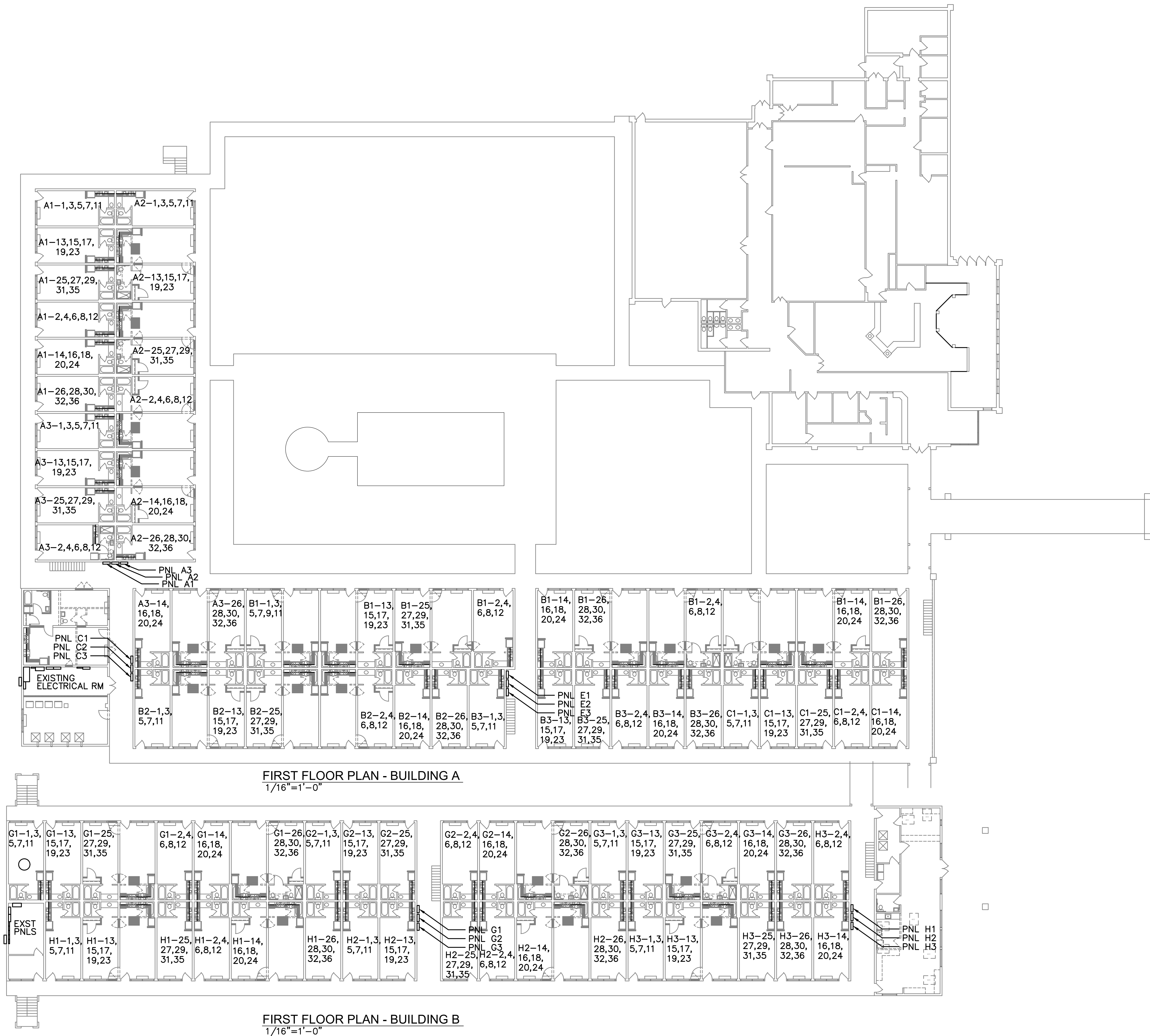
1 2 3

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

PROJECT ARCHITECT
RLJ JR
TECHNICIANS
-
COMMISSION NUMBER
2926
DATE
20 APR 2023

E1.1

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NOTES THIS SHEET:
1. COORDINATE SITE POWER WITH NEW WORK.

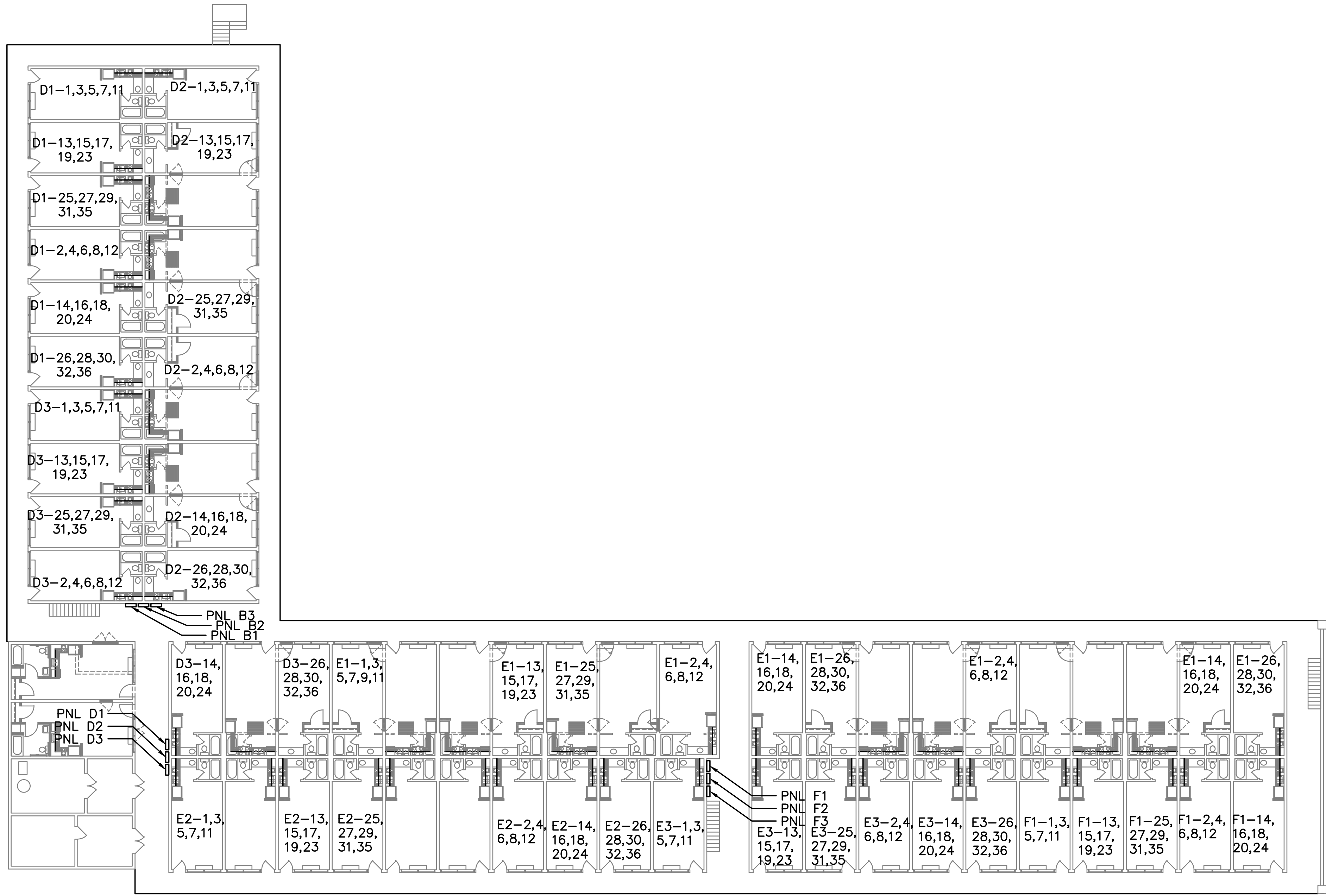
REVISION	DATE
1	
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**GA PERRY VALLEY
APARTMENTS**
200 VALLEY DRIVE
PERRY, GEORGIA

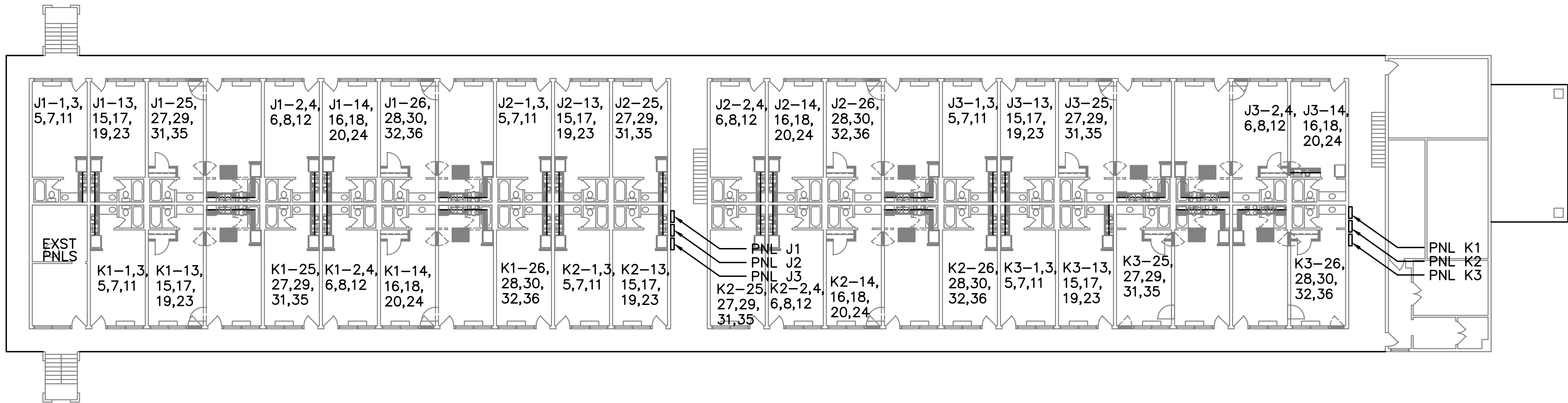
PROJECT ARCHITECT
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TECHNICIANS
-
COMMISSION NUMBER
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DATE
20 APR 2023

E2.1

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



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

NOTES THIS SHEET:
1. COORDINATE SITE POWER WITH NEW WORK.

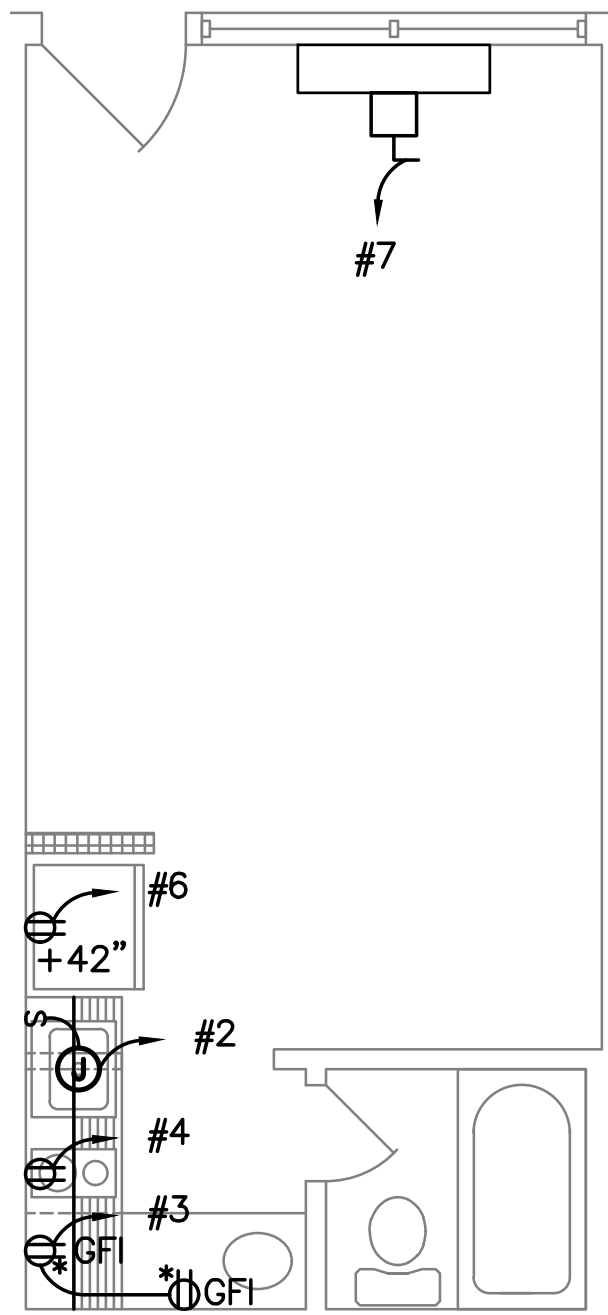
REVISION DATE
1 2 3

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

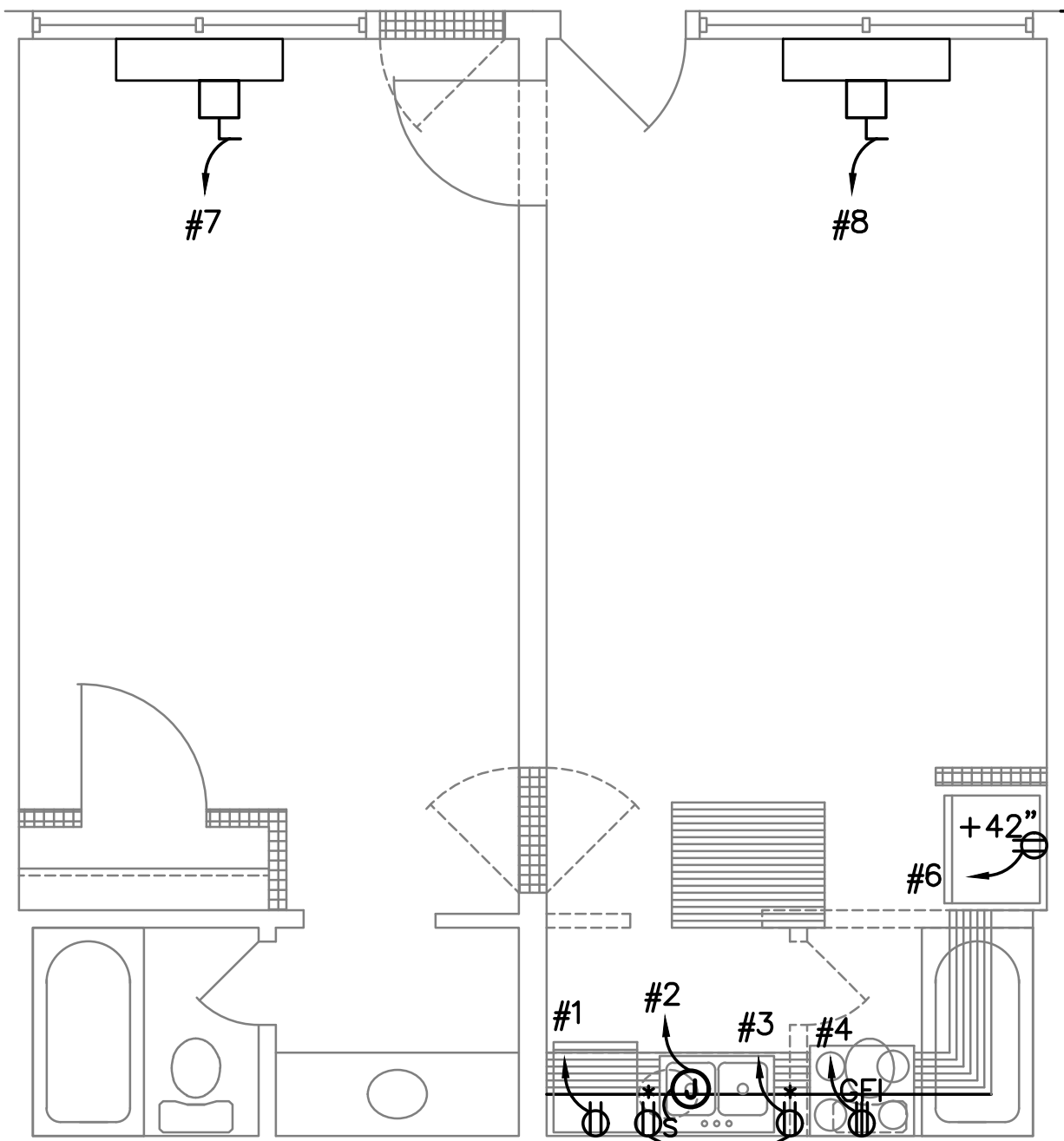
PROJECT ARCHITECT
RLJ JR
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COMMISSION NUMBER
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20 APR 2023

E2.2

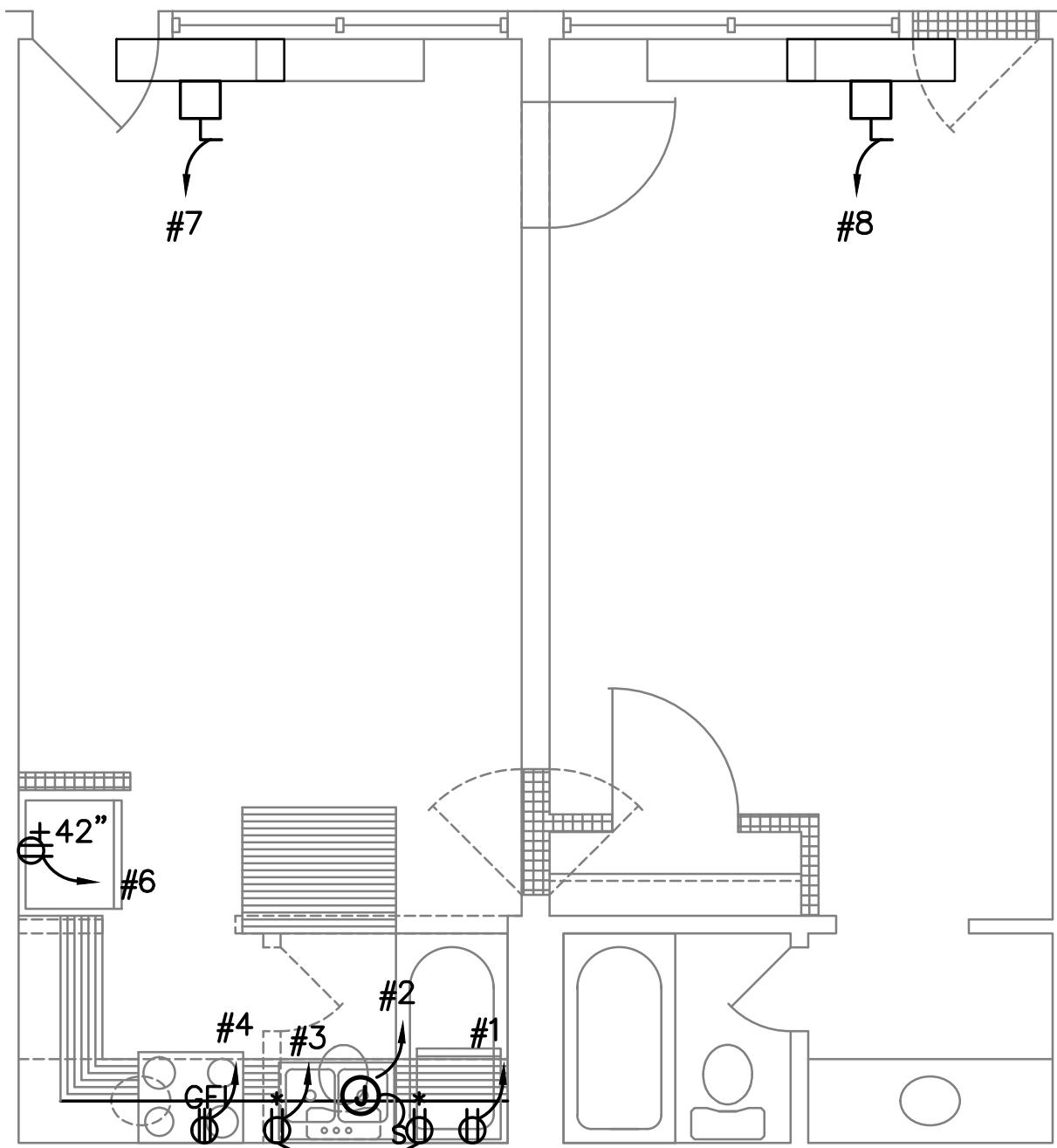
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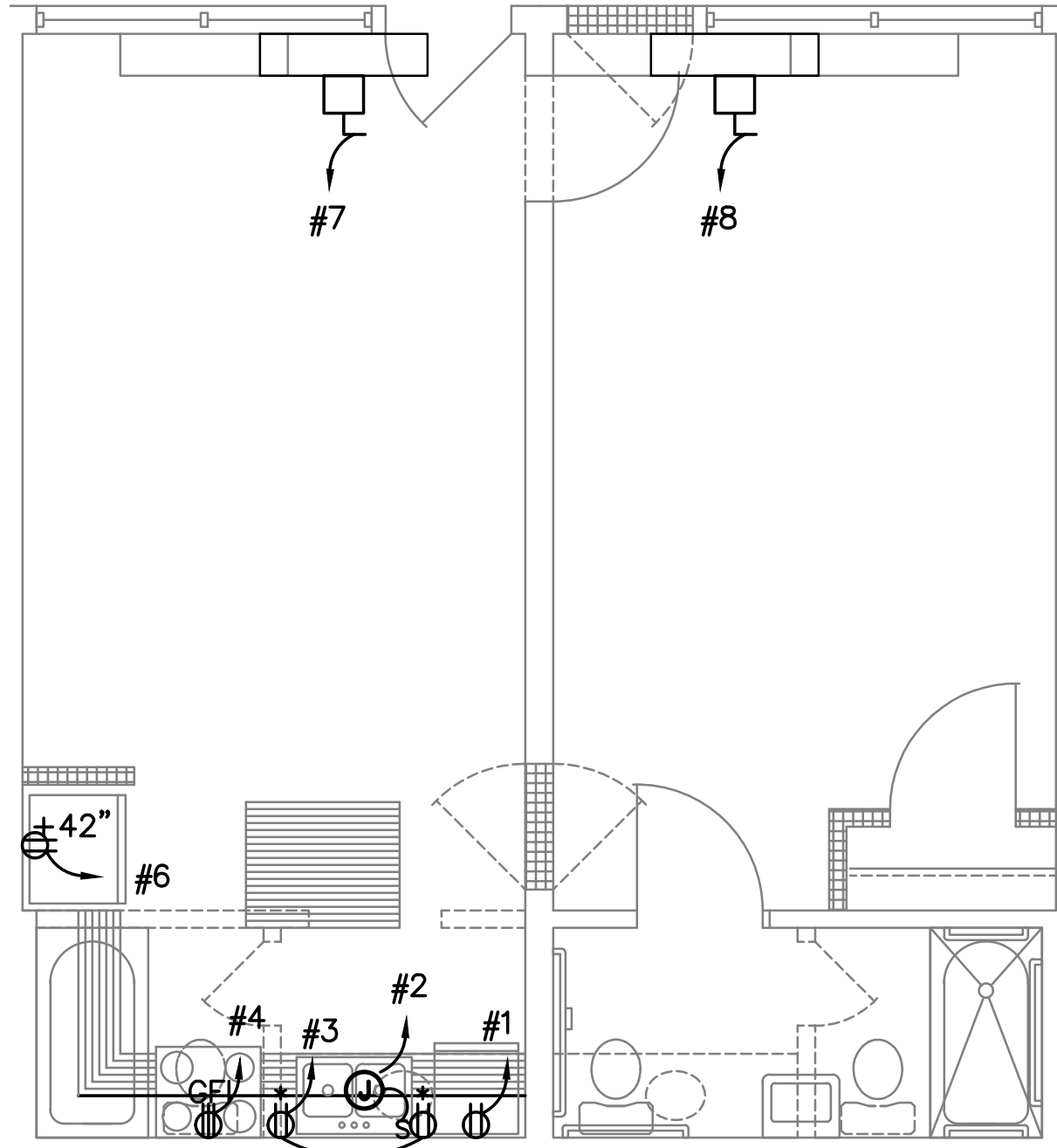
TYPE: STUDIO
1/4"=1'-0"



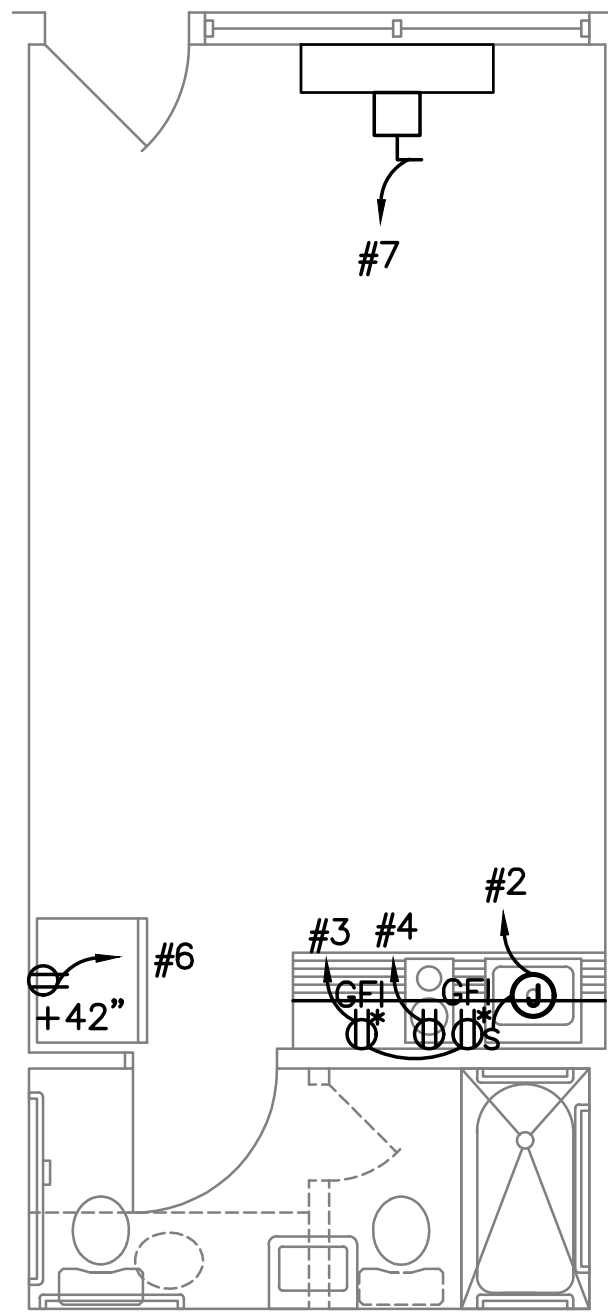
TYPE: A
1/4"=1'-0"



TYPE: B
1/4"=1'-0"



TYPE: ADA ONE BED
1/4"=1'-0"



TYPE: ADA STUDIO
1/4"=1'-0"

GENERAL NOTES THIS SHEET:

- COORDINATE WITH NEW WORK PLANS FOR NEW WORK.

NEW POWER PLAN - TYPICAL UNITS

REVISION DATE

1 2 3

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

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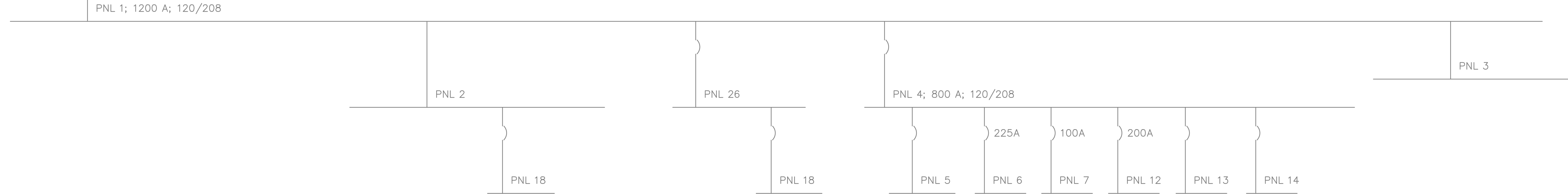
E3.1

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PANEL MDP1																							
VOLTAGE: 208Y/120						PHASE: 3 WIRE: 4						BUS AMPS: 1200A MAIN BREAKER AMPS: 1200A						☒ SURFACE MOUNTED ☐ FLUSH MOUNTED		KAIC RATING: 42,000			
CKT NO.	BRKR P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION	LOAD - KVA				CKT NO.	BRKR P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION	LOAD - KVA					
							PHA	PHB	PHC	3 PH								PHA	PHB	PHC	3 PH		
3	3	300				PNL A1	26.6	29.8	26.7	0.0	4	3	300				PNL C1	26.6	29.8	26.7	0.0		
9	3	300				PNL A2	26.6	29.8	26.7	0.0	10	3	300				PNL C2	26.6	29.8	26.7	0.0		
15	3	300				PNL A3	26.6	29.8	26.7	0.0	16	3	300				PNL C3	26.6	29.8	26.7	0.0		
21	3	300				PNL B1	26.6	29.8	26.7	0.0	22	3	300				PNL D1	26.6	29.8	26.7	0.0		
27	3	300				PNL B2	26.6	29.8	26.7	0.0	28	3	300				PNL D2	26.6	29.8	26.7	0.0		
33	3	300				PNL B3	26.6	29.8	26.7	0.0	34	3	300				PNL D3	26.6	29.8	26.7	0.0		
39	3										40	3											
TOTAL LEFT SIDE							159.6	178.8	160.3	0.0	TOTAL RIGHT SIDE							159.6	178.8	160.3	0.0		
TOTAL RIGHT SIDE							159.6	178.8	160.3	0.0	TOTAL CONNECTED LOAD										997.4		
TOTAL							319.2	357.6	320.6	0.0													
* NOTES																							

PANEL MDP2																							
VOLTAGE: 208Y/120				PHASE: 3				BUS AMPS: 1000A				☒ SURFACE MOUNTED ☐ FLUSH MOUNTED				KAIC RATING: 42,000							
				WIRE: 4				MAIN BREAKER AMPS: 1000A															
CKT NO.	BRKR	P	AMPS	WIRE		*	CIRCUIT DESCRIPTION	LOAD - KVA				CKT NO.	BRKR	P	AMPS	WIRE		*	CIRCUIT DESCRIPTION	LOAD - KVA			
				NO	SZ			PHA	PHB	PHC	3 PH					NO	SZ			PHA	PHB	PHC	3 PH
3	3	300					PNL E1	26.6	29.8	26.7	0.0	4	3										
9	3	300					PNL E2	26.6	29.8	26.7	0.0	10	3										
15	3	300					PNL E3	26.6	29.8	26.7	0.0	16	3										
21	3	300					PNL F1	26.6	29.8	26.7	0.0	22	3										
27	3	300					PNL F2	26.6	29.8	26.7	0.0	28	3										
33	3	300					PNL F3	26.6	29.8	26.7	0.0	34	3										
39	3											40	3										
TOTAL LEFT SIDE								159.6	178.8	160.3	0.0	TOTAL RIGHT SIDE								0.0	0.0	0.0	0.0
TOTAL RIGHT SIDE								0.0	0.0	0.0	0.0	TOTAL CONNECTED LOAD											498.7
TOTAL								159.6	178.8	160.3	0.0												
* NOTES																							

PANEL MDP3																									
VOLTAGE: 208Y/120				PHASE: 3				BUS AMPS: 1200A				X SURFACE MOUNTED FLUSH MOUNTED				KAIC RATING: 42,000									
				WIRE: 4				MAIN BREAKER AMPS: 1200A																	
CKT BRKR		WIRE		CIRCUIT		LOAD - KVA				CKT BRKR		WIRE		CIRCUIT		LOAD - KVA									
NO.	P	AMPS	NO	SZ	*	DESCRIPTION	PHA	PHB	PHC	3 PH	NO.	P	AMPS	NO	SZ	*	DESCRIPTION	PHA	PHB	PHC	3 PH				
3	3	300				PNL G1	26.6	29.8	26.7	0.0	4	3	300				PNL J1	26.6	29.8	26.7	0.0				
9	3	300				PNL G2	26.6	29.8	26.7	0.0	10	3	300				PNL J2	26.6	29.8	26.7	0.0				
15	3	300				PNL G3	26.6	29.8	26.7	0.0	16	3	300				PNL J3	26.6	29.8	26.7	0.0				
21	3	300				PNL H1	26.6	29.8	26.7	0.0	22	3	300				PNL K1	26.6	29.8	26.7	0.0				
27	3	300				PNL H2	26.6	29.8	26.7	0.0	28	3	300				PNL K2	26.6	29.8	26.7	0.0				
33	3	300				PNL H3	26.6	29.8	26.7	0.0	34	3	300				PNL K3	26.6	29.8	26.7	0.0				
39	3					BLANK					40	3					BLANK								
TOTAL LEFT SIDE							159.6	178.8	160.3	0.0	TOTAL RIGHT SIDE							159.6	178.8	160.3	0.0				
TOTAL RIGHT SIDE							159.6	178.8	160.3	0.0	TOTAL CONNECTED LOAD							997.4							
TOTAL							319.2	357.6	320.6	0.0															
* NOTES																									

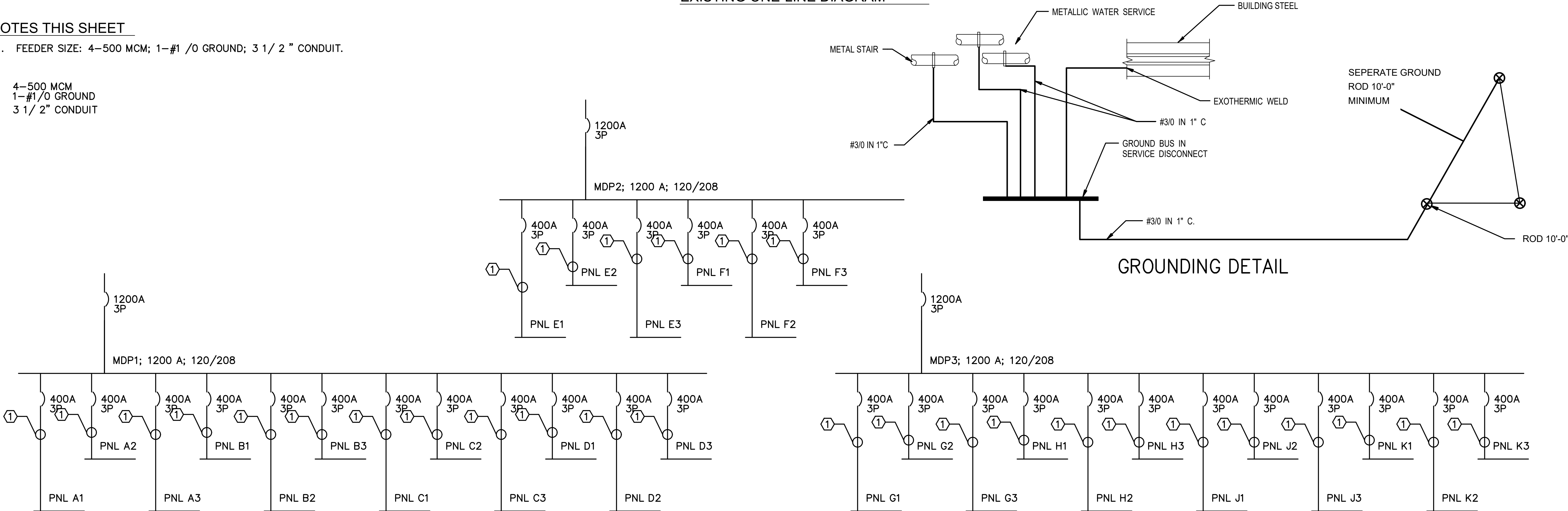


EXISTING ONE-LINE DIAGRAM

NOTES THIS SHEET

1. FEEDER SIZE: 4–500 MCM; 1–#1 /0 GROUND; 3 1/ 2 " CONDUIT.

4–500 MCM
1–#1 /0 GROUND
3 1/ 2" CONDUIT



NEW ONE-LINE DIAGRAM

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

PROJECT ARCHITECT
RLJ JR
TECHNICIANS
COMMISSION NUMBER
2926
DATE
20 APR 2023

E4.1

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PANEL A1																			
VOLTAGE: 208Y/120				PHASE: 3				BUS AMPS: 400A				☒ SURFACE MOUNTED ☐ FLUSH MOUNTED				KAIC RATING: 22,000			
WIRE: 4				MAIN BREAKER AMPS: MLO															
CKT NO.	BRKR	WIRE		CIRCUIT	LOAD - KVA			CKT NO.	BRKR	WIRE		CIRCUIT	LOAD - KVA						
NO.	P	AMPS	NO	SZ	DESCRIPTION	PHA	PHB	PHC	3 PH	NO.	P	AMPS	NO	SZ	DESCRIPTION	PHA	PHB	PHC	3 PH
1	1	20	2	12	DISHWASHER	0.7				2	1	20	2	12	DISHWASHER	0.7			
3	1	20	2	12	GARBAGE DISP		1.0			4	1	20	2	12	GARBAGE DISP		1.0		
5	1	20	2	12	KTCHN CNTR			0.4		6	1	20	2	12	KTCHN CNTR			0.4	
7	2	50	3	8	RANGE	5.5				8	2	50	3	8	RANGE	5.5			
9						5.5				10						5.5			
11	1	20			SPARE			0.5		12	1	20			SPARE			0.5	
13	1	20	2	12	REFRIGERATOR	0.5				14	1	20	2	12	REFRIGERATOR	0.5			
15	1	20	2	12	DISHWASHER		0.7			16	1	20	2	12	DISHWASHER		0.7		
17	1	20	2	12	GARBAGE DISP			1.0		18	1	20	2	12	GARBAGE DISP			1.0	
19	1	20	2	12	KTCHN CNTR	0.4				20	2	20	2	12	KTCHN CNTR	0.4			
21	2	50	3	8	RANGE		5.5			22	2	50	3	8	RANGE		5.5		
23							5.5			24							5.5		
25	1	20			SPARE					26	1	20			SPARE				
27	1	20	2	12	REFRIGERATOR		0.7			28	1	20	2	12	REFRIGERATOR		0.7		
29	1	20	2	12	DISHWASHER			0.5		30	1	20	2	12	DISHWASHER			0.5	
31	1	20	2	12	GARBAGE DISP	0.7				32	2	20	2	12	GARBAGE DISP	0.7			
33	1	20	2	12	KTCHN CNTR		1.0			34	20	2	12	KTCHN CNTR		1.0			
35	2	50	3	8	RANGE			5.5		36	1	50	3	8	RANGE			5.5	
37						5.5				38	1					5.5			
39	1	20			REFRIGERATOR		0.5			40	1	20			REFRIGERATOR		0.5		
41	1	20			SPARE					42	1	20			SPARE				
TOTAL LEFT SIDE						13.3	14.9	13.4	0.0	TOTAL RIGHT SIDE						13.3	14.9	13.4	0.0
TOTAL RIGHT SIDE						13.3	14.9	13.4	0.0										
TOTAL						26.6	29.8	26.7	0.0							83.1			
* NOTES																			
1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, A-B, B-C, C-A.																			

PANEL A2																			
VOLTAGE: 208Y/120				PHASE: 3				BUS AMPS: 400A				☒ SURFACE MOUNTED ☐ FLUSH MOUNTED				KAIC RATING: 22,000			
				WIRE: 4				MAIN BREAKER AMPS: MLO											
CKT NO.	BRKR	WIRE NO.	SZ	*	CIRCUIT DESCRIPTION	LOAD - KVA				CKT NO.	BRKR	WIRE NO.	SZ	*	CIRCUIT DESCRIPTION	LOAD - KVA			
	P	AMPS				PHA	PHB	PHC	3 PH		P	AMPS				PHA	PHB	PHC	3 PH
1	1	20	2	12	DISHWASHER	0.7				2	1	20	2	12	DISHWASHER	0.7			
3	1	20	2	12	GARBAGE DISP		1.0			4	1	20	2	12	GARBAGE DISP		1.0		
5	1	20	2	12	KTCHN CNTR			0.4		6	1	20	2	12	KTCHN CNTR			0.4	
7	2	50	3	8	RANGE	5.5				8	2	50	3	8	RANGE	5.5			
9						5.5				10						5.5			
11	1	20			SPARE			0.5		12	1	20			SPARE			0.5	
13	1	20	2	12	REFRIGERATOR	0.5				14	1	20	2	12	REFRIGERATOR	0.5			
15	1	20	2	12	DISHWASHER		0.7			16	1	20	2	12	DISHWASHER		0.7		
17	1	20	2	12	GARBAGE DISP			1.0		18	1	20	2	12	GARBAGE DISP			1.0	
19	1	20	2	12	KTCHN CNTR	0.4				20	2	20	2	12	KTCHN CNTR	0.4			
21	2	50	3	8	RANGE		5.5			22	2	50	3	8	RANGE		5.5		
23							5.5			24	1						5.5		
25	1	20			SPARE					26	1	20			SPARE				
27	1	20	2	12	REFRIGERATOR		0.7			28	1	20	2	12	REFRIGERATOR		0.7		
29	1	20	2	12	DISHWASHER			0.5		30	1	20	2	12	DISHWASHER			0.5	
31	1	20	2	12	GARBAGE DISP	0.7				32	2	20	2	12	GARBAGE DISP	0.7			
33	1	20	2	12	KTCHN CNTR		1.0			34	20	2	12	KTCHN CNTR		1.0			
35	2	50	3	8	RANGE			5.5		36	1	50	3	8	RANGE			5.5	
37						5.5				38	1					5.5			
39	1	20			REFRIGERATOR		0.5			40	1	20			REFRIGERATOR		0.5		
41	1	20			SPARE					42	1	20			SPARE				
TOTAL LEFT SIDE						13.3	14.9	13.4	0.0	TOTAL RIGHT SIDE						13.3	14.9	13.4	0.0
TOTAL RIGHT SIDE						13.3	14.9	13.4	0.0										
TOTAL						26.6	29.8	26.7	0.0							83.1			
* NOTES																			
1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, A-B, B-C, C-A																			

PANEL A3

VOLTAGE:208Y/120

PHASE: 3

WIRE: 4

BUS AMPS: 400A

MAIN BREAKER AMPS: MLO

X

SURFACE MOUNTED

FLUSH MOUNTED

KAIC RATING:22,000

CKT NO.	BRKR	WIRE		CIRCUIT	LOAD - KVA			CKT NO.	BRKR	WIRE		CIRCUIT	LOAD - KVA						
NO.	P	AMPS	NO	SZ	DESCRIPTION	PHA	PHB	PHC	3 PH	NO.	P	AMPS	NO	SZ	DESCRIPTION	PHA	PHB	PHC	3 PH
1	1	20	2	12	DISHWASHER	0.7				2	1	20	2	12	DISHWASHER	0.7			
3	1	20	2	12	GARBAGE DISP		1.0			4	1	20	2	12	GARBAGE DISP		1.0		
5	1	20	2	12	KTCHN CNTR			0.4		6	1	20	2	12	KTCHN CNTR			0.4	
7	2	50	3	8	RANGE	5.5				8	2	50	3	8	RANGE	5.5			
9						5.5				10						5.5			
11	1	20	2	12	REFRIGERATOR			0.5		12	1	20	2	12	REFRIGERATOR			0.5	
13	1	20	2	12	DISHWASHER	0.7				14	1	20	2	12	DISHWASHER	0.7			
15	1	20	2	12	GARBAGE DISP		1.0			16	1	20	2	12	GARBAGE DISP		1.0		
17	1	20	2	12	KTCHN CNTR	0.4				18	1	20	2	12	KTCHN CNTR	0.4			
19	2	50	3	8	RANGE	5.5				20	2	50	3	8	RANGE	5.5			
21						5.5				22						5.5			
23	1	20	2	12	REFRIGERATOR			0.5		24	1	20	2	12	REFRIGERATOR			0.5	
25	1	20	2	12	DISHWASHER	0.7				26	1	20	2	12	DISHWASHER	0.7			
27	1	20	2	12	GARBAGE DISP		1.0			28	1	20	2	12	GARBAGE DISP		1.0		
29	1	20			KTCHN CNTR			0.4		30	1	20			KTCHN CNTR			0.4	
31	2	50	3	8	RANGE	5.5				32	2	50	3	8	RANGE	5.5			
33							5.5			34						5.5			
35	1	20			REFRIGERATOR			0.5		36	1	20			REFRIGERATOR			0.5	
37	1	20			SPARE					38	1	20			SPARE				
39	1	20			SPARE					40	1	20			SPARE				
41	1	20			SPARE					42	1	20			SPARE				
TOTAL LEFT SIDE						18.6	19.5	2.6	0.0	TOTAL RIGHT SIDE						18.6	19.5	2.6	0.0
TOTAL						37.2	39.0	5.2	0.0	TOTAL CONNECTED LOAD									81.4

* NOTES

1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, A-B, B-C, A-C.

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PANEL D1																											
VOLTAGE: 208Y/120				PHASE: 3				BUS AMPS: 400A				☒ SURFACE MOUNTED				KAIC RATING: 22,000											
				WIRE: 4				MAIN BREAKER AMPS: MLO				☐ FLUSH MOUNTED															
CKT NO.	BRKR	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA				CKT NO.	BRKR	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA			
						PHA	PHB	PHC	3 PH											PHA	PHB	PHC	3 PH				
1	1	20	2	12		DISHWASHER				0.7				2	1	20	2	12		DISHWASHER				0.7			
3	1	20	2	12		GARBAGE DISP				1.0				4	1	20	2	12		GARBAGE DISP				1.0			
5	1	20	2	12		KTCHN CNTR					0.4			6	1	20	2	12		KTCHN CNTR					0.4		
7	2	50	3	8		RANGE				5.5				8	2	50	3	8		RANGE				5.5			
9										5.5				10										5.5			
11	1	20				SPARE					0.5			12	1	20				SPARE					0.5		
13	1	20	2	12		REFRIGERATOR				0.5				14	1	20	2	12		REFRIGERATOR				0.5			
15	1	20	2	12		DISHWASHER				0.7				16	1	20	2	12		DISHWASHER				0.7			
17	1	20	2	12		GARBAGE DISP					1.0			18	1	20	2	12		GARBAGE DISP					1.0		
19	1	20	2	12		KTCHN CNTR				0.4				20	2	20	2	12		KTCHN CNTR				0.4			
21	2	50	3	8		RANGE				5.5				22		50	3	8		RANGE				5.5			
23											5.5			24	1										5.5		
25	1	20				SPARE								26	1	20				SPARE							
27	1	20	2	12		REFRIGERATOR				0.7				28	1	20	2	12		REFRIGERATOR				0.7			
29	1	20	2	12		DISHWASHER					0.5			30	1	20	2	12		DISHWASHER					0.5		
31	1	20	2	12		GARBAGE DISP				0.7				32	2	20	2	12		GARBAGE DISP				0.7			
33	1	20	2	12		KTCHN CNTR					1.0			34	20	2	12			KTCHN CNTR					1.0		
35	2	50	3	8		RANGE					5.5			36	1	50	3	8		RANGE					5.5		
37										5.5				38	1									5.5			
39	1	20				REFRIGERATOR					0.5			40	1	20				REFRIGERATOR					0.5		
41	1	20				SPARE								42	1	20				SPARE							
TOTAL LEFT SIDE						13.3	14.9	13.4	0.0	TOTAL RIGHT SIDE						13.3	14.9	13.4	0.0	TOTAL CONNECTED LOAD						83.1	
TOTAL RIGHT SIDE						13.3	14.9	13.4	0.0																		
TOTAL						26.6	29.8	26.7	0.0																		
* NOTES																											
1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, AB, B-C, C-A																											

PANEL E1																															
VOLTAGE: 208Y/120				PHASE: 3				BUS AMPS: 400A				☒ SURFACE MOUNTED				KAIC RATING:															
				WIRE: 4				MAIN BREAKER AMPS: MLO				☐ FLUSH MOUNTED				22,000															
CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA				CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA					
							PHA	PHB	PHC	3 PH												PHA	PHB	PHC	3 PH						
1	1	20	2	12			DISHWASHER	0.7				2	1	20	2	12					DISHWASHER	0.7									
3	1	20	2	12			GARBAGE DISP	1.0				4	1	20	2	12					GARBAGE DISP	1.0									
5	1	20	2	12			KTCHN CNTR		0.4			6	1	20	2	12					KTCHN CNTR		0.4								
7	2	50	3	8			RANGE	5.5				8	2	50	3	8					RANGE	5.5									
9								5.5				10										5.5									
11	1	20					SPARE		0.5			12	1	20							SPARE		0.5								
13	1	20	2	12			REFRIGERATOR	0.5				14	1	20	2	12					REFRIGERATOR	0.5									
15	1	20	2	12			DISHWASHER	0.7				16	1	20	2	12					DISHWASHER	0.7									
17	1	20	2	12			GARBAGE DISP		1.0			18	1	20	2	12					GARBAGE DISP		1.0								
19	1	20	2	12			KTCHN CNTR	0.4				20	2	20	2	12					KTCHN CNTR	0.4									
21	2	50	3	8			RANGE	5.5				22		50	3	8					RANGE	5.5									
23									5.5			24	1										5.5								
25	1	20					SPARE					26	1	20							SPARE										
27	1	20	2	12			REFRIGERATOR	0.7				28	1	20	2	12					REFRIGERATOR	0.7									
29	1	20	2	12			DISHWASHER		0.5			30	1	20	2	12					DISHWASHER		0.5								
31	1	20	2	12			GARBAGE DISP	0.7				32	2	20	2	12					GARBAGE DISP	0.7									
33	1	20	2	12			KTCHN CNTR		1.0			34	20	2	12					KTCHN CNTR		1.0									
35	2	50	3	8			RANGE			5.5		36	1	50	3	8					RANGE			5.5							
37								5.5				38	1									5.5									
39	1	20					REFRIGERATOR		0.5			40	1	20							REFRIGERATOR		0.5								
41	1	20					SPARE					42	1	20							SPARE										
TOTAL LEFT SIDE							13.3	14.9	13.4	0.0	TOTAL RIGHT SIDE							13.3	14.9	13.4	0.0										
TOTAL RIGHT SIDE							13.3	14.9	13.4	0.0	TOTAL							26.6	29.8	26.7	0.0	TOTAL CONNECTED LOAD							83.1		
TOTAL							26.6	29.8	26.7	0.0																					
* NOTES																															
1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, AB, B-C, C-A.																															

PANEL F1																													
VOLTAGE: 208Y/120				PHASE: 3				BUS AMPS: 400A				☒ SURFACE MOUNTED				KAIC RATING: 22,000													
				WIRE: 4				MAIN BREAKER AMPS: MLO				☐ FLUSH MOUNTED																	
CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA				CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA			
							PHA	PHB	PHC	3 PH												PHA	PHB	PHC	3 PH				
1	1	20	2	12			DISHWASHER	0.7				2	1	20	2	12					DISHWASHER	0.7							
3	1	20	2	12			GARBAGE DISP					4	1	20	2	12					GARBAGE DISP		1.0						
5	1	20	2	12			KTCHN CNTR					6	1	20	2	12					KTCHN CNTR			0.4					
7	2	50	3	8			RANGE	5.5				8	2	50	3	8					RANGE	5.5							
9								5.5				10										5.5							
11	1	20					SPARE			0.5		12	1	20							SPARE			0.5					
13	1	20	2	12			REFRIGERATOR	0.5				14	1	20	2	12					REFRIGERATOR	0.5							
15	1	20	2	12			DISHWASHER		0.7			16	1	20	2	12					DISHWASHER		0.7						
17	1	20	2	12			GARBAGE DISP			1.0		18	1	20	2	12					GARBAGE DISP			1.0					
19	1	20	2	12			KTCHN CNTR	0.4				20	2	20	2	12					KTCHN CNTR	0.4							
21	2	50	3	8			RANGE	5.5				22	50	3	8						RANGE	5.5							
23									5.5			24	1											5.5					
25	1	20					SPARE					26	1	20							SPARE								
27	1	20	2	12			REFRIGERATOR	0.7				28	1	20	2	12					REFRIGERATOR	0.7							
29	1	20	2	12			DISHWASHER		0.5			30	1	20	2	12					DISHWASHER			0.5					
31	1	20	2	12			GARBAGE DISP	0.7				32	2	20	2	12					GARBAGE DISP	0.7							
33	1	20	2	12			KTCHN CNTR	1.0				34	20	2	12						KTCHN CNTR	1.0							
35	2	50	3	8			RANGE		5.5			36	1	50	3	8					RANGE			5.5					
37								5.5				38	1									5.5							
39	1	20					REFRIGERATOR	0.5				40	1	20							REFRIGERATOR	0.5							
41	1	20					SPARE					42	1	20							SPARE								
TOTAL LEFT SIDE							13.3	14.9	13.4	0.0	TOTAL RIGHT SIDE							13.3	14.9	13.4	0.0								
TOTAL RIGHT SIDE							13.3	14.9	13.4	0.0	TOTAL CONNECTED LOAD							93.1											
TOTAL							26.6	29.8	26.7	0.0																			
* NOTES																													
1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, A-B, B-C, C-A.																													

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PANEL G1																													
VOLTAGE: 208Y/120				PHASE: 3				BUS AMPS: 400A				☒ SURFACE MOUNTED ☐ FLUSH MOUNTED				KAIC RATING: 22,000													
				WIRE: 4				MAIN BREAKER AMPS: MLO																					
CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA				CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA			
							PHA	PHB	PHC	3 PH												PHA	PHB	PHC	3 PH				
1	1	20	2	12			DISHWASHER				0.7				2	1	20	2	12			DISHWASHER				0.7			
3	1	20	2	12			GARBAGE DISP					1.0			4	1	20	2	12			GARBAGE DISP					1.0		
5	1	20	2	12			KTCHN CNTR						0.4		6	1	20	2	12			KTCHN CNTR						0.4	
7	2	50	3	8			RANGE				5.5				8	2	50	3	8			RANGE				5.5			
9											5.5				10											5.5			
11	1	20					SPARE						0.5		12	1	20					SPARE						0.5	
13	1	20	2	12			REFRIGERATOR				0.5				14	1	20	2	12			REFRIGERATOR				0.5			
15	1	20	2	12			DISHWASHER					0.7			16	1	20	2	12			DISHWASHER					0.7		
17	1	20	2	12			GARBAGE DISP						1.0		18	1	20	2	12			GARBAGE DISP						1.0	
19	1	20	2	12			KTCHN CNTR				0.4				20	2	20	2	12			KTCHN CNTR				0.4			
21	2	50	3	8			RANGE				5.5				22	2	50	3	8			RANGE				5.5			
23												5.5			24	1											5.5		
25	1	20					SPARE								26	1	20					SPARE							
27	1	20	2	12			REFRIGERATOR					0.7			28	1	20	2	12			REFRIGERATOR					0.7		
29	1	20	2	12			DISHWASHER						0.5		30	1	20	2	12			DISHWASHER						0.5	
31	1	20	2	12			GARBAGE DISP				0.7				32	2	20	2	12			GARBAGE DISP				0.7			
33	1	20	2	12			KTCHN CNTR					1.0			34	20	2	12				KTCHN CNTR					1.0		
35	2	50	3	8			RANGE						5.5		36	1	50	3	8			RANGE						5.5	
37											5.5				38	1										5.5			
39	1	20					REFRIGERATOR					0.5			40	1	20					REFRIGERATOR					0.5		
41	1	20					SPARE								42	1	20					SPARE							
TOTAL LEFT SIDE							13.3	14.9	13.4	0.0	TOTAL RIGHT SIDE							13.3	14.9	13.4	0.0								
TOTAL RIGHT SIDE							13.3	14.9	13.4	0.0	TOTAL CONNECTED LOAD							83.1											
TOTAL							26.6	29.8	26.7	0.0																			
* NOTES																													
1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, A-B, B-C, C-A.																													

PANEL G2																														
VOLTAGE: 208Y/120				PHASE: 3				BUS AMPS: 400A				☒ SURFACE MOUNTED ☐ FLUSH MOUNTED				KAIC RATING: 22,000														
WIRE: 4								MAIN BREAKER AMPS: MLO																						
CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA				CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA				
							PHA	PHB	PHC	3 PH												PHA	PHB	PHC	3 PH					
1	1	20	2	12			DISHWASHER				0.7				2	1	20	2	12			DISHWASHER				0.7				
3	1	20	2	12			GARBAGE DISP					1.0			4	1	20	2	12			GARBAGE DISP					1.0			
5	1	20	2	12			KTCHN CNTR						0.4		6	1	20	2	12			KTCHN CNTR						0.4		
7	2	50	3	8			RANGE				5.5				8	2	50	3	8			RANGE				5.5				
9											5.5				10											5.5				
11	1	20					SPARE						0.5		12	1	20					SPARE						0.5		
13	1	20	2	12			REFRIGERATOR				0.5				14	1	20	2	12			REFRIGERATOR				0.5				
15	1	20	2	12			DISHWASHER					0.7			16	1	20	2	12			DISHWASHER					0.7			
17	1	20	2	12			GARBAGE DISP						1.0		18	1	20	2	12			GARBAGE DISP						1.0		
19	1	20	2	12			KTCHN CNTR				0.4				20	2	20	2	12			KTCHN CNTR				0.4				
21	2	50	3	8			RANGE					5.5			22	50	3	8				RANGE					5.5			
23												5.5			24	1											5.5			
25	1	20					SPARE								26	1	20					SPARE								
27	1	20	2	12			REFRIGERATOR					0.7			28	1	20	2	12			REFRIGERATOR					0.7			
29	1	20	2	12			DISHWASHER						0.5		30	1	20	2	12			DISHWASHER						0.5		
31	1	20	2	12			GARBAGE DISP				0.7				32	2	20	2	12			GARBAGE DISP				0.7				
33	1	20	2	12			KTCHN CNTR					1.0			34	20	2	12				KTCHN CNTR					1.0			
35	2	50	3	8			RANGE						5.5		36	1	50	3	8			RANGE						5.5		
37												5.5			38	1											5.5			
39	1	20					REFRIGERATOR					0.5			40	1	20					REFRIGERATOR					0.5			
41	1	20					SPARE								42	1	20					SPARE								
TOTAL LEFT SIDE							13.3	14.9	13.4	0.0	TOTAL RIGHT SIDE							13.3	14.9	13.4	0.0	TOTAL CONNECTED LOAD							83.1	
TOTAL RIGHT SIDE							13.3	14.9	13.4	0.0																				
TOTAL							26.6	29.8	26.7	0.0																				
* NOTES																														
1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, A-B, B-C, C-A.																														

PANEL G3																																			
VOLTAGE: 208Y/120				PHASE: 3				BUS AMPS: 400A				☒ SURFACE MOUNTED ☐ FLUSH MOUNTED				KAIC RATING: 22,000																			
				WIRE: 4				MAIN BREAKER AMPS: MLO																											
CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA				CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA									
1	1	20	2	12			DISHWASHER	0.7						2	1	20	2	12				DISHWASHER	0.7												
3	1	20	2	12			GARBAGE DISP		1.0					4	1	20	2	12				GARBAGE DISP		1.0											
5	1	20	2	12			KTCHN CNTR			0.4				6	1	20	2	12				KTCHN CNTR			0.4										
7	2	50	3	8			RANGE	5.5						8	2	50	3	8				RANGE	5.5												
9									5.5					10									5.5												
11	1	20					SPARE			0.5				12	1	20						SPARE			0.5										
13	1	20	2	12			REFRIGERATOR	0.5						14	1	20	2	12				REFRIGERATOR	0.5												
15	1	20	2	12			DISHWASHER		0.7					16	1	20	2	12				DISHWASHER		0.7											
17	1	20	2	12			GARBAGE DISP			1.0				18	1	20	2	12				GARBAGE DISP			1.0										
19	1	20	2	12			KTCHN CNTR	0.4						20	2	20	2	12				KTCHN CNTR	0.4												
21	2	50	3	8			RANGE		5.5					22	2	50	3	8				RANGE		5.5											
23										5.5				24	1																				
25	1	20					SPARE							26	1	20						SPARE													
27	1	20	2	12			REFRIGERATOR		0.7					28	1	20	2	12				REFRIGERATOR		0.7											
29	1	20	2	12			DISHWASHER			0.5				30	1	20	2	12				DISHWASHER			0.5										
31	1	20	2	12			GARBAGE DISP	0.7						32	2	20	2	12				GARBAGE DISP	0.7												
33	1	20	2	12			KTCHN CNTR		1.0					34	20	2	12				KTCHN CNTR		1.0												
35	2	50	3	8			RANGE			5.5				36	1	50	3	8				RANGE			5.5										
37								5.5						38	1								5.5												
39	1	20					REFRIGERATOR		0.5					40	1	20						REFRIGERATOR		0.5											
41	1	20					SPARE							42	1	20						SPARE													
TOTAL LEFT SIDE								13.3	14.9	13.4	0.0									TOTAL RIGHT SIDE								13.3	14.9	13.4	0.0				
TOTAL RIGHT SIDE								13.3	14.9	13.4	0.0																								
TOTAL								26.6	29.8	26.7	0.0									TOTAL CONNECTED LOAD								83.1							
* NOTES																																			
1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, A,B,C,B,C,A.																																			

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PANEL K1																											
VOLTAGE: 208Y/120						PHASE: 3						BUS AMPS: 400A						☒ SURFACE MOUNTED ☐ FLUSH MOUNTED		KAIC RATING: 22,000							
WIRE: 4						MAIN BREAKER AMPS: MLO																					
CKT NO.	BRKR	P	AMPS	WIRE NO.	WIRE SZ	*	CIRCUIT DESCRIPTION	LOAD - KVA				CKT NO.	BRKR	P	AMPS	WIRE NO.	WIRE SZ	*	CIRCUIT DESCRIPTION	LOAD - KVA							
								PHA	PHB	PHC	3 PH									PHA	PHB	PHC	3 PH				
1	1	20	2	12			DISHWASHER	0.7				2	1	20	2	12			DISHWASHER	0.7							
3	1	20	2	12			GARBAGE DISP		1.0			4	1	20	2	12			GARBAGE DISP		1.0						
5	1	20	2	12			KT CHN CNTR			0.4		6	1	20	2	12			KTCHN CNTR			0.4					
7	2	50	3	8			RANGE	5.5				8	2	50	3	8			RANGE	5.5							
9									5.5			10									5.5						
11	1	20					SPARE			0.5		12	1	20					SPARE			0.5					
13	1	20	2	12			REFRIGERATOR	0.5				14	1	20	2	12			REFRIGERATOR	0.5							
15	1	20	2	12			DISHWASHER		0.7			16	1	20	2	12			DISHWASHER		0.7						
17	1	20	2	12			GARBAGE DISP			1.0		18	1	20	2	12			GARBAGE DISP			1.0					
19	1	20	2	12			KT CHN CNTR	0.4				20	2	20	2	12			KTCHN CNTR	0.4							
21	2	50	3	8			RANGE		5.5			22	50	3	8				RANGE		5.5						
23										5.5		24	1									5.5					
25	1	20					SPARE					26	1	20					SPARE								
27	1	20	2	12			REFRIGERATOR		0.7			28	1	20	2	12			REFRIGERATOR		0.7						
29	1	20	2	12			DISHWASHER			0.5		30	1	20	2	12			DISHWASHER			0.5					
31	1	20	2	12			GARBAGE DISP	0.7				32	2	20	2	12			GARBAGE DISP	0.7							
33	1	20	2	12			KT CHN CNTR		1.0			34	2	20	2	12			KTCHN CNTR		1.0						
35	2	50	3	8			RANGE			5.5		36	1	50	3	8			RANGE			5.5					
37									5.5			38	1								5.5						
39	1	20					REFRIGERATOR		0.5			40	1	20					REFRIGERATOR		0.5						
41	1	20					SPARE					42	1	20					SPARE								
TOTAL LEFT SIDE								13.3	14.9	13.4	0.0	TOTAL RIGHT SIDE								13.3	14.9	13.4	0.0				
TOTAL RIGHT SIDE								13.3	14.9	13.4	0.0	TOTAL CONNECTED LOAD								83.1							
TOTAL								26.6	29.8	26.7	0.0																
* NOTES																											
1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, A-B, B-C, C-A.																											

PANEL K2																													
VOLTAGE: 208Y/120				PHASE: 3				BUS AMPS: 400A				☒ SURFACE MOUNTED				KAIC RATING: 22,000													
WIRE: 4				MAIN BREAKER AMPS: MLO								☐ FLUSH MOUNTED																	
CKT NO.	BRKR	P	AMPS	WIRE NO	WIRE SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA				CKT NO.	BRKR	P	AMPS	WIRE NO	WIRE SZ	*	CIRCUIT DESCRIPTION				LOAD - KVA			
							PHA	PHB	PHC	3 PH													PHA	PHB	PHC	3 PH			
1	1	20	2	12			DISHWASHER	0.7				2	1	20	2	12						DISHWASHER	0.7						
3	1	20	2	12			GARBAGE DISP		1.0			4	1	20	2	12						GARBAGE DISP		1.0					
5	1	20	2	12			KTCHN CNTR			0.4		6	1	20	2	12						KTCHN CNTR			0.4				
7	2	50	3	8			RANGE	5.5				8	2	50	3	8						RANGE	5.5						
9								5.5				10											5.5						
11	1	20					SPARE			0.5		12	1	20								SPARE			0.5				
13	1	20	2	12			REFRIGERATOR	0.5				14	1	20	2	12						REFRIGERATOR	0.5						
15	1	20	2	12			DISHWASHER		0.7			16	1	20	2	12						DISHWASHER		0.7					
17	1	20	2	12			GARBAGE DISP			1.0		18	1	20	2	12						GARBAGE DISP			1.0				
19	1	20	2	12			KTCHN CNTR	0.4				20	2	20	2	12						KTCHN CNTR	0.4						
21	2	50	3	8			RANGE		5.5			22	50	3	8							RANGE		5.5					
23									5.5			24	1												5.5				
25	1	20					SPARE					26	1									SPARE							
27	1	20	2	12			REFRIGERATOR		0.7			28	1	20	2	12						REFRIGERATOR		0.7					
29	1	20	2	12			DISHWASHER			0.5		30	1	20	2	12						DISHWASHER			0.5				
31	1	20	2	12			GARBAGE DISP	0.7				32	2	20	2	12						GARBAGE DISP	0.7						
33	1	20	2	12			KTCHN CNTR		1.0			34	2	20	2	12						KTCHN CNTR		1.0					
35	2	50	3	8			RANGE			5.5		36	1	50	3	8						RANGE			5.5				
37								5.5				38	1										5.5						
39	1	20					REFRIGERATOR		0.5			40	1	20								REFRIGERATOR		0.5					
41	1	20					SPARE					42	1	20								SPARE							
TOTAL LEFT SIDE							13.3	14.9	13.4	0.0	TOTAL RIGHT SIDE							13.3	14.9	13.4	0.0								
TOTAL RIGHT SIDE							13.3	14.9	13.4	0.0	TOTAL CONNECTED LOAD 83.1																		
TOTAL							26.6	29.8	26.7	0.0																			
* NOTES																													
1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, A-B, B-C, C-A																													

PANEL K3

VOLTAGE:208Y/120

PHASE: 3

WIRE: 4

BUS AMPS: 400A

MAIN BREAKER AMPS: MLO

X

SURFACE MOUNTED

FLUSH MOUNTED

KAIC RATING: 22,000

CKT NO.	BRKR	P	AMPS	WIRE NO	WIRE SZ	*	CIRCUIT DESCRIPTION	LOAD - KVA				CKT NO.	BRKR	P	AMPS	WIRE NO	WIRE SZ	*	CIRCUIT DESCRIPTION	LOAD - KVA			
								PHA	PHB	PHC	3 PH								PHA	PHB	PHC	3 PH	
1	1	20	2	12			DISHWASHER	0.7				2	1	20	2	12		DISHWASHER	0.7				
3	1	20	2	12			GARBAGE DISP		1.0			4	1	20	2	12		GARBAGE DISP		1.0			
5	1	20	2	12			KTCHN CNTR			0.4		6	1	20	2	12		KTCHN CNTR			0.4		
7	2	50	3	8			RANGE	5.5				8	2	50	3	8		RANGE	5.5				
9									5.5			10								5.5			
11	1	20					SPARE					12	1	20				SPARE					
13	1	20	2	12			REFRIGERATOR	0.5				14	1	20	2	12		REFRIGERATOR	0.5				
15	1	20	2	12			DISHWASHER		0.7			16	1	20	2	12		DISHWASHER		0.7			
17	1	20	2	12			GARBAGE DISP			1.0		18	1	20	2	12		GARBAGE DISP			1.0		
19	1	20	2	12			KTCHN CNTR	0.4				20	2	20	2	12		KTCHN CNTR	0.4				
21	2	50	3	8			RANGE		5.5			22	50	3	8			RANGE		5.5			
23										5.5		24	1								5.5		
25	1	20					SPARE					26	1	20				SPARE					
27	1	20	2	12			REFRIGERATOR		0.7			28	1	20	2	12		REFRIGERATOR		0.7			
29	1	20	2	12			DISHWASHER			0.5		30	1	20	2	12		DISHWASHER			0.5		
31	1	20	2	12			GARBAGE DISP	0.7				32	2	20	2	12		GARBAGE DISP	0.7				
33	1	20	2	12			KTCHN CNTR		1.0			34	2	20	2	12		KTCHN CNTR		1.0			
35	2	50	3	8			RANGE			5.5		36	1	50	3	8		RANGE			5.5		
37									5.5			38	1							5.5			
39	1	20					REFRIGERATOR		0.5			40	1	20				REFRIGERATOR		0.5			
41	1	20					SPARE					42	1	20				SPARE					
TOTAL LEFT SIDE								13.3	14.9	12.9	0.0	TOTAL RIGHT SIDE								13.3	14.9	12.9	0.0
TOTAL								26.6	29.8	25.7	0.0	TOTAL CONNECTED LOAD								82.1			

* NOTES

1. VERIFY WHEN CONNECTING CIRCUITS THAT RANGES ALTERNATE PHASES, A,B, C-B, C-A

ELECTRICAL SPECIFICATIONS

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

- A. Provide new lighting and power as required for new circuits as necessary.

1.2 QUALITY ASSURANCE

A. General

- a. Comply with IEEE C2, "National Electrical Safety Code".
- b. IEEE Compliance: Comply with applicable Institute of Electrical and Electronics Engineers, Inc. standards pertaining to generator construction.
- c. NEC Compliance: Comply with NFPA 70, "National Electrical Code" as applicable to construction and installation of products required in this specification.

- d. UL and NEMA Compliance and Labeling: Provide products which have been labeled by Underwriters Laboratories and have been certified to comply with UL requirements.

- e. IEEE Compliance: Comply with STD 241, "IEEE Recommended Practice for Electrical Power Systems in Commercial Buildings" pertaining to communication systems.

B. MOTOR CONTROLLERS

- a. UL and NEMA Compliance and Labeling: Provide products which have been labeled by Underwriters' Laboratories and have been certified to comply with UL and NEMA.

C. LIGHTING

- a. NEMA Compliance: Comply with applicable requirements of NEMA Std.s. Pub/No.'s LE 1 and LE 2 pertaining to lighting equipment.
- b. UL Compliance: Comply with UL standards, including UL 486A and B, pertaining to lighting fixtures. Provide lighting fixtures and components which are UL_listed and labeled. Provide exterior fixtures with "Suitable for Wet Location" label.

- c. CBM Labels: Provide fluorescent lamp ballasts which comply with Certified Ballast Manufacturers Association standards and carry the CBM label.

1.3 COORDINATION OF ELECTRICAL WORK

- A. General: Refer to the division sections for general coordination requirements applicable to the entire work. It is recognized that the contract documents are diagrammatic in showing certain physical relationships which must be established within the electrical work and in its interface with other work including utilities and mechanical work and that such establishment is the exclusive responsibility of the Contractor.

- a. Arrange electrical work in a neat, well organized manner with conduit and similar services running parallel with primary lines of the building construction and with the maximum headroom possible, but a minimum 7'_0" overhead clearance.

- b. Locate operating and control equipment properly to provide easy access and arrange entire electrical work with adequate access for operation and maintenance.

- c. Advise other trades of openings required in their work for the subsequent move_in of large units of electrical equipment.

- d. Coordinate all work, including power outages, with Owner's Schedule of Operation.

- B. Product Handling: Space at the project for storage of materials and products is limited. Coordinate the deliveries of electrical materials and products with the scheduling and sequencing of the work so that storage requirements at the project are minimized. In general, do not deliver individual items of electrical equipment to the project substantially ahead of the time of installation.

1.3 ELECTRICAL SYSTEM IDENTIFICATION

- A. Conduit Systems: Provide adequate marking of primary conduits which are exposed or concealed in accessible spaces, to distinguish each run as either a power or signal/communication conduit. Except as otherwise indicated, use orange banding with black lettering. Provide self_adhesive or snap_on type plastic markers. Indicate voltage ratings of conductors where above 240 V. Locate markers at ends of conduit runs, near switches and other control devices and near items of equipment served by the conductors. Switch_leg conduit and short branches for power connections need not be marked, except where conduit is larger than 1 inch. Label all junction boxes with branch circuit numbers terminated within.

- B. Identification Labels and Warning Signs: Provide engraved plastic_laminate or baked enamel labels on major units of electrical equipment including switchboards, panelboards, motor controllers, disconnect switches, signal and similar systems. Label shall include equipment identification mark and voltage characteristics and shall be melamine plastic, 0.125_inch thick, white with black center core. Provide warning signs where there is hazardous exposure or danger associated with access to or operation of electrical facilities. Provide text of sufficient clarity and lettering of sufficient size, minimum 0.25 inch nominal block style, to convey adequate information at each location; mount permanently in an appropriate and effective location.

1.4 PAINTING ELECTRICAL WORK

- A. General: Except as otherwise indicated, comply with the applicable provisions of Division 9 for electrical_work painting. Electrical equipment shall have factory_applied painting systems which shall meet the requirements of NEMA ICS6. The work of this article shall include general field painting of electrical work.
 - a. Coordinate the painting with the painting of other work of a similar nature and comply with indicated color and color matching requirements. Except as otherwise indicated, paint surfaces of electrical work which would normally be painted in the application and exposure indicated.

- B. Do not paint over nameplates on equipment, sliding/rotating shaft surfaces, non_ferrous hardware/accessories/trim and similar items where painting would normally be omitted.

1.5 ELECTRICAL SYSTEM PERFORMANCE

- A. General: The overall system performances of electrical work are of even greater importance than the specified individual unit_of_work performances. Each unit of electrical work has been designed and specified to perform at minimum levels of output and efficiency and is intended to contribute to and be compatible with the entire system. Compatibility of actual performances by electrical system performances is the Contractor's responsibility.

- B. Adjustments: Where it has been determined that electrical systems do not or will not perform in compliance with the specified performances, adjustments or corrections shall be made to the work as necessary to achieve required performances.

1.6 ELECTRICAL WORK CLOSEOUT

- A. Additional Service: Perform services within the above 12-month period not classified as routine maintenance or as warranty work as described in Division 1 Section "Warranties and Bonds" when authorized in writing. Compensation for additional services must be agreed upon in writing prior to performing services.

- B. Closeout Coordination: Coordinate closeout operations with closeout of mechanical systems and other power consuming equipment.

- C. Record Drawings: Maintain a blue_line set of electrical contract drawings and/or shop drawings in clean, undamaged condition, for indication of major electrical equipment or concealed lines located in position other than that shown on the contract drawings. Mark_up whatever drawings are most capable of showing installed conditions accurately. In general, record every substantive installation of electrical work which previously is either not shown or shown inaccurately, specifically record the following:
 - a. Work concealed behind or within other work, in a nonaccessible location.
 - b. Main feeders with switchgear, panelboards, and control devices located, identified and numbered. This information shall be displayed in a glazed, hardwood frame, minimum two (2) feet square, near the main service disconnect.
 - c. Maintenance procedures and schedules.
 - d. Testing procedures and acceptable parameters.

- G. Cleaning and Lubrication: After final testing of each electrical system, clean system both externally and internally. Comply with manufacturer's instructions for lubrication of both power and hand operated equipment. Touch_up minor damage to factory_painted finishes and provide one pint of touch-up paint for each color of major equipment installed.

1.10 SUBMITTALS

A. LIGHTING

- Product Data: Submit manufacturer's product data and installation instructions on each type building lighting fixture photocell, contactor and component.
- Shop Drawings: Submit fixture shop drawings where specifically indicated in booklet form with separate sheet for each fixture, assembled in "luminare type" alphabetical or numerical order, with proposed fixture and accessories clearly indicated on each sheet.
- Maintenance Data: Submit maintenance data and parts list for each lighting fixture and accessory; including "trouble_shooting" maintenance guide. Include that data, product data, and shop drawings in a maintenance manual.

PART 2 - PRODUCTS

2.1 CABLE AND WIRE

- A. Provide factory-fabricated wire or cable of the size, rating, material and type as indicated for each service in compliance with NECA - Standard of Installation. Where not indicated, provide proper selection as determined by the work requiring the installation to comply with NEC standards. Conductors shall be rated 600 volt of insulation type THW, THWN, THHN, or USE installed in compliance with National Electrical Code requirements.

- B. Provide bonding conductors for sizes No. 8 AWG and smaller of solid bare copper per ASTM B 1, and for sizes No. 6 AWG and larger stranded bare copper per ASTM B 8.

- C. No. 10 AWG and smaller diameter shall be solid copper; No. 8 AWG and larger diameter shall be stranded copper.

- D. Provide color coding for service, feeder, branch, control, and signaling circuit conductors. Color shall be green for grounding conductors and white for neutrals; except where neutrals of more than one system are installed in same raceway or box, other neutral shall be white with colored (not green) stripe. Color of ungrounded conductors in different voltage systems shall be as follows:
 - a. 120/208 volt, 3-phase:

- i. Phase A - black.
- ii. Phase B - red.
- iii. Phase C - blue.

- E. Provide the following types of cables in NEC approved locations and applications where indicated. Provide cable UL listed for its intended use.
 - a. Metal clad cable: Type MC.

- F. Provide UL 486A, factory-fabricated, solderless, metal connectors of the size, ampacity, rating, material, type and class as indicated for each service. Where not indicated, provide proper selection as determined by the work requiring the installation to comply with NEC standards. Provide insulating tape in compliance with UL 510.

2.2 ELECTRICAL RACEWAYS

- A. Metal Conduit, Tubing and Fittings: Provide metal conduit, tubing and fittings of type, grade, size and weight indicated for each service. Where type and grade are not indicated, provide proper selection as determined by the work requiring the installation to comply with NEC standards for wiring requirements.

- a. Rigid Steel Conduit: ANSI C80.1, UL 6.
- b. Intermediate Steel Conduit (Zinc Coated Steel): UL 1242.
- c. Rigid Metal Conduit Fittings: UL 514B, cadmium- or zinc- coated threaded type.
- d. Electrical Metal Tubing (EMT): ANSI C80.3, UL 797.
- e. EMT Fittings: UL 514B, compression or set-screw type
- f. Flexible Metal Conduit: Cadmium- or zinc-coated steel.
- g. Flexible Metal Conduit Fittings: UL 514B, cadmium- or zinc-coated.
- h. Liquid-Tight Flexible Metal Conduit: UL 360, provide liquid-tight flexible metal conduit comprised of single strip, continuous, flexible, interlocked, double-wrapped steel, galvanized inside and outside; forming smooth internal wiring channel; with liquid-tight jacket of flexible polyvinyl chloride.
- i. Liquid-Tight Flexible Metal Conduit Fittings: FS W-F-406.

- B. Wireways: Electrical wireways shall be of types, sizes, and number of channels as indicated. Fittings and accessories including but not limited to couplings, offsets, elbows, expansion joints, adapters, hold-down straps, and end caps shall match and mate with wireway as required for complete system. Where features are not indicated, select to fulfill wiring requirements and comply with applicable provisions of NEC. Wireway covers shall be hinged type.

- C. Surface Metal Raceways and Fittings: UL 5, two-piece steel, totally enclosed. Snap cover type with wiring devices, sizes and channels as indicated. Wiremold, or approved equal.
 - a. Type a: Two section, steel, approximately 7/8 inch x 1 1/4 inch wide, with 20 amp, 125V, specification grade grounding surge protection receptacles 2'-6" on centers, alternating circuits. Provide with ivory paintable finish.

2.3 ELECTRICAL OUTLET BOXES AND FITTINGS

- A. Interior Outlet Boxes: UL 514A, provide galvanized flat rolled sheet steel interior outlet wiring boxes, flush mounted of type, shapes and sizes, including box depths, to suit each respective location and installation; construct with stamped knockouts in back and sides, and with threaded screw holes with corrosion-resistant screws for securing box covers and wiring devices. Provide feraloy cast outlet boxes where surface mounted with threaded conduit hubs to suit each respective location and installation.

- B. Weatherproof Outlet Boxes: Provide corrosion-resistant cast metal weatherproof outlet wiring boxes, of types, shapes and sizes, with threaded conduit ends, cast metal face plates with spring-hinged waterproof caps suitably configured for each application, including faceplate gaskets and corrosion-resistant fasteners. Weatherproof while in operation.

- C. Cast-Iron Floor Boxes: Fully adjustable, waterproof, with threaded raceway entrances, adjusting rings, gaskets, and brass floor plates. Provide multi-section boxes with individual screw type brass section covers, barrier between compartments and provide for a duplex receptacle under one or more of the covers. Telephone outlets shall have provisions to accommodate 10-wire telephone terminal block. Provide gaskets where required to ensure watertight installation. Provide trim suitable for floor conditions.

2.4 WIRING DEVICES

- A. General: Provide factory-fabricated wiring devices, in types, colors and electrical ratings for applications indicated and complying with NEMA Standards Publication No. WD 1. Where types and grades are not indicated, provide proper selection as determined by installer to fulfill wiring requirements, and comply with NEC and NEMA standards for wiring devices. Provide receptacles with isolated ground and/or surge protection where indicated.

- B. Receptacles:
 - a. Heavy Duty Duplex: UL 498, provide duplex heavy duty type receptacles, 2-pole, 3-wire grounding, with green hexagonal equipment ground screw, ground terminals and poles internally connected to mounting yoke, 20-amperes, 125 volt, almond nylon face with metal plaster ears, side wiring, NEMA Configuration 5-20R, unless otherwise indicated.
 - b. Ground Fault Receptacle: Provide ground fault protected duplex receptacle
 - i. Provide with cast aluminum weatherproof cover where indicated to be WP while in operation.
 - c. Surge Protection Receptacle: Provide duplex heavy duty type receptacles 20-amperes, 125 volt, almond face with electrical surge and noise protection.

- C. Switches:
 - a. Snap: UL 20, provide general duty flush single-pole toggle switches, 20-amperes, 120-277 volts AC only, with mounting yoke insulated from mechanism, equip with plaster ears, almond switch handle and side wired screw terminals. Single pole, Three-way and Four-way as indicated on drawings
 - b. Motion Sensing, Ceiling Mounted: Provide dual technology ultrasonic and passive infrared or microphonic and passive infrared motion detector, manual off switch, 0 to 4800 watt fluorescent switching capacity, 277 volts AC, 360 sensing coverage, six to 15 minute off time delay, LED walk test indicator, bypass switch, suitable for use in classrooms, 5_year warranty, UL listed, Universal Energy Control (UNENCO) Switchomatic Coordinate with connected wattage and type of room light fixtures.

- D. Wiring Device Accessories:
 - a. Wall Plates: Provide UL listed, one-piece device plates for outlets and fittings to fit the device installed. For flush-mounted outlets on finished walls, provide 0.04-inch thick, type 302 satin finished stainless steel switch and outlet plates of types, sizes and with ganging and cutouts as indicated. Install with metal screws for securing plates to devices; screw heads colored to match finish of plate.
 - b. For surface mounted boxes, provide feraloy cast outlet plates on all outlet boxes, type suitable for wiring device installed in box.
 - c. Provide plate with engraved legend where indicated.

2.5 SAFETY AND DISCONNECT SWITCHES

- A. General: UL 98, NEMA KS1, provide surface-mounted, sheet-steel enclosed switches, of types, sizes and electrical characteristics indicated; 3-blades, 4-wire with ampereage rating as required, 60 hertz and visible blades with door in open position. Provide with safety handle which is easily recognizable and is capable of being padlocked in the open position and operating mechanism for quick-make and quick-break. Current carrying parts of high-conductivity copper, with silver-tungsten type switch contacts. Provide NEMA 1 type enclosures indoors and NEMA 3R type enclosures with raintight hubs outdoors.

- B. Provide General Duty Type: 240 volts AC, Type GD. Heavy Duty Type: 600 volts AC.

- C. Switches used as motor disconnect means shall be horsepower rated. Fused switches shall utilize Class R fuseholder and fuses unless indicated otherwise or recommended by equipment manufacturer.

2.6 ELECTRICAL GROUNDING AND BONDING EQUIPMENT

- A. General: UL 467. Provide grounding products of types indicated and of sizes and ratings as required by NEC. Provide all material required including but not necessarily limited to, cable/wire, connectors, terminals (solderless lugs), grounding rods/electrodes, bonding jumper braid and other items and accessories needed for a complete installation. Where more than one type meets indicated requirements, selection is installer's option. Where materials or components are not otherwise indicated, provide products complying with NEC, and established industry standards.

- A. Electrical Grounding Conductors: Unless otherwise indicated, provide electrical grounding conductors for grounding connections matching power supply wiring materials except bare or green insulation and sized according to NEC. Equipment grounding conductors shall have green insulation. Solid conductors shall comply with ASTM B-3, stranded conductors with ASTM B-8.

- B. Grounding Connectors: Provide listed and labeled grounding connectors for the required materials. Provide high-conductivity plated pressure connector units or exothermic welded connections.

2.7 THROUGH PENETRATION FIRE STOPS

- A. General: UL 1479, ASTM E814, materials and assemblies shall be UL listed and labeled and FM approved for fire ratings consistent with penetrated barriers.

- B. Provide putty one part composition sealant composed of synthetic elastomeric organic/inorganic intumescent materials which expand when exposed to heat. Provide additional sealing systems, sheet steel, foil or retaining wire as required.

2.8 ACCESS PANELS AND DOORS

- A. General: Provide factory-fabricated and assembled units, complete with attachment devices and fasteners ready for installation. Joints and seams shall be continuously welded steel, with welds ground smooth and flush with adjacent surfaces.

- B. Frames: 16-gage steel, with a 1-inch-wide exposed perimeter flange for units installed in unit masonry, pre-cast, or cast-in-place concrete, ceramic tile, or wood paneling. Provide with 1-inch wide exposed perimeter flange and adjustable metal masonry anchors. For installation in masonry, concrete, ceramic tile, or wood.

- C. Flush Panel Doors: Provide 14-gage sheet steel, with concealed spring hinges or concealed continuous piano hinge set to open 175 degrees; factory-applied prime paint.

- D. Fire-Rated Units: Insulated flush panel doors, with continuous piano hinge and self-closing mechanism.

- E. Locking Devices: Flush, screwdriver-operated cam locks.

2.9 COMBINATION MOTOR CONTROLLERS

- A. General: Motor circuit protector; molded-case circuit-type breaker type with magnetic-only trip element calibrated to coordinate with the actual locked-rotor current of the connected motor and the controller overload relays. Provide breakers that are factory assembled with the controller, interlocked with unit cover or door, and arranged to disconnect the controller. Provide motor circuit-protectors with field-adjustable trip elements.

2.10 LIGHTING FIXTURES

- A. Provide lighting fixtures of sizes, types, and ratings indicated in lighting fixture schedule

- B. Wiring: Provide electrical wiring within fixture suitable for connecting to branch circuit.
 - a. NEC Type AF for 120 volt, minimum No. 18 AWG.

2.11 MOTION DETECTORS

- A. Indoor Motion Detectors: Provide passive infrared motion sensor to operate lights on detection of occupancy, 120/277 volts, field adjustable.

REVISION DATE

1 2 3

GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

PROJECT ARCHITECT
RLJ JR
TECHNICIANS
-
COMMISSION NUMBER
2926
DATE
20 APR 2023

E5.1

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INSTALLATION
PART 3 - INSTALLATION

3.1 General

- A. Verify final locations for rough_in with field measurements and with the requirements of the actual equipment to be connected.
- B. Rough_in for owner furnished equipment to make equipment operate as intended, including providing miscellaneous wiring items.
- C. Adjust operating mechanisms for free mechanical movement. Clean interior and exterior using manufacturer's approved methods and materials.
- D. Touch-up scratched or marred surfaces to match original finish.
- E. In general, perform cutting and patching as necessary. Exercise care where cutting, channeling, chasing or drilling floors, walls, partitions, ceilings or other surfaces for installation of electrical work.
- F. Patch finished surfaces and building components using new materials specified for the original installation and experienced installers. Installers' qualifications refer to the materials and methods required for the surface and building components being patched.

3.2 CABLE, WIRE AND CONNECTORS

- A. Provide insulated conductors installed in conduit, except where specifically indicated or specified otherwise or required by NEC to be installed otherwise. Provide insulated equipment grounding conductor in feeder and branch circuits, including lighting circuits. Grounding conductor shall be separate from electrical system neutral conductor.
- B. Coordinate cable and wire installation with electrical raceway and equipment installation. Conductor sizes indicated are copper. Pull conductors together where more than one is being installed. Use pulling means and lubricant that will not damage conductor or raceway. Use splice and tap connectors which are compatible with conductor material, and only in accessible junction, pull or outlet boxes.
- C. Tighten electrical connectors and terminals, including screws and bolts, in accordance with manufacturer's published torque tightening values. Where manufacturer's torquing requirements are not indicated, tighten connectors and terminals to comply with tightening torques specified in UL 486A.

3.2 ELECTRICAL RACEWAYS

- A. Provide with complete electrical raceway system before installing conductors within raceways. Provide support as required by NEC but within 1 foot of a change in direction or connection to an enclosure, cover ends of empty conduit to prevent entry of debris during rough-in, provide bonding type locknuts at boxes. Conceal conduit, unless indicated otherwise within finished walls, ceilings and floors. Run exposed conduits parallel or perpendicular to the building structure, close to the ceiling or beams. Keep raceways at least 6 inches away from parallel runs of flues, steam, and hot water pipes.
- B. Use the following wiring methods:
- a. Outdoors:
- i. Intermediate metal conduit
- ii. Rigid metal conduit
- iii. Liquid-tight flexible metal conduit
- b. Indoors:
- i. Electrical metallic tubing
- ii. Flexible metal conduit
- iii. Rigid metal conduit (where exposed and subject to damage)
- C. Use raceway fittings that are of types compatible with the associated raceway and suitable for the use and location. For intermediate steel conduit, use threaded rigid steel conduit fittings except as otherwise indicated.
- D. Run exposed, parallel, or banked raceways together. Make bends in parallel or banked runs from the same center line so that the bends are parallel. Factory elbows may be used in banked runs only where they can be installed parallel. This requires that there be a change in the plane of the run such as from wall to ceiling and that the raceways be of the same size. In other cases provide field bends for parallel raceways.
- E. Install pull wires in empty raceways. Use No. 14 AWG zinc-coated steel or monofilament plastic line having not less than 200-lb. tensile strength. Leave not less than 12 inches of slack at each end of the pull wire.
- F. Flexible Connections: Use short length (maximum of 6 ft.) of flexible conduit for recessed and semirecessed lighting fixtures, for equipment subject to vibration, noise transmission, or movement; and for all motors. Use liquid-tight flexible conduit in wet locations. Install separate ground conductor across flexible connections.
- G. Surface Metal Raceway: Install to walls, cabinets, and ceilings as recommended by equipment manufacturer with fasteners suitable for the material to which the surface metal raceway is being attached. Install a separate green ground conductor in raceway from the junction box supplying the raceway to receptacle or fixture ground terminals. Provide as an integral part or install wiring devices as indicated. Make cuts and other modifications with factory cuts and other modifications with factory furnished tools specifically designed for the purpose.

3.3 ELECTRICAL BOXES AND FITTINGS

- A. Provide weatherproof outlet boxes for interior and exterior locations exposed to moisture, flush mounted boxes for connection to concealed conduit and pull boxes as required for installation of conductors. Sizes shall be adequate to meet NEC volume requirements, but not smaller than sizes indicated. Remove knockouts only as required and plug unused openings.
- B. Fasten boxes rigidly to substrate or structural surfaces to which they are to be mounted, or solidly embed electrical boxes in concrete or masonry.

3.4 WIRING DEVICES

- A. Install wiring devices in clean outlets after wiring has been installed. Do not install plates and cover installed wiring devices until painting is complete.
- B. Ground all wiring devices unless indicated otherwise. Test wiring devices for correct polarity, proper ground and electrical continuity.
- C. Install covers and device plates with edges in continuous contact with finished wall surfaces without use of mats or similar devices. Plaster or caulking used as a filling to repair openings around outlets shall not be applied without removing the cover or device plate. Plates installed in wet areas shall be gasketed.

3.5 SAFETY AND DISCONNECT SWITCHES

- A. Install disconnect switches used for motor-driven equipment within sight of the controller and motor and not more than 50 feet from the controller and motor unless indicated otherwise.
- B. Provide an electrical ground for all disconnect switches.
- C. Test all switches for proper operation by operating them energized, but without load for six opening/closing cycles. Inspect switch and correct deficiencies, then retest to demonstrate compliance.

3.6 ELECTRICAL GROUNDING EQUIPMENT

- A. Install electrical grounding systems where shown, in accordance with applicable portions of National Electrical Code, **NECA 331-2014 "Standard for Building and Service Entrance Grounding and Bonding,"** and in accordance with recognized industry practices to ensure that products comply with requirements and serve intended functions.
- B. Provide separate grounding conductor with wiring in all raceways.
- C. Provide grounding electrode conductor and connect to reinforcing steel in foundation footing where indicated.
- D. Install clamp-on connectors only on thoroughly cleaned metal contact surfaces, to ensure electrical conductivity and circuit integrity.

3.7 LIGHTING FIXTURES

- A. General: Install lighting fixtures of types indicated, where shown and at indicated heights, in accordance with lighting fixture manufacturer's written instructions and with recognized industry practices. Comply with NEMA standards and requirements of National Electrical Code pertaining to installation of lighting fixtures and with applicable portions of NECA's "Standards of Installation".
- B. Fasten surfaced fluorescent fixtures to suspended ceiling system near corner of each unit. Bolt fixture to main ceiling supports with stud_clips minimum 1/2_20. Support fixtures weighing in excess of 56 pounds directly from the building structure. Recessed and semi_recessed fixtures may be supported from suspended ceiling support system ceiling tees if the ceiling system support wires are provided at a minimum of four wires per fixture and located not more than 6 inches from each corner of each fixture. In addition, provide support clips securely fastened to ceiling grid members at or near corner of each recessed fixture.
- C. Secure pendant mounted fluorescent fixtures via outlet box directly to building structure with approved bolting and clamps. Provide each stem or hanger with an approved swivel joint to ensure a continued plumb installation.
- D. Mounting heights indicated are to bottom of ceiling_mounted fixtures and to center of wall mounted fixtures.
- E. Install all exit lights lighting units plumb, square and level with walls and ceilings and secure in accordance with manufacturer's written instructions. Mounting heights shall be to bottom of unit.
- F. Clean lighting fixtures of dirt and debris upon completion of installation. Protect installed fixtures from damage during remainder of construction period.
- G. Do not install interior fixture lens until construction is complete or protect lens from accumulation of dust and debris.
- H. Adjust all fixtures with adjustable aiming to meet the Architect/Engineer's approval.
- I. Test all lighting fixtures for compliance with intended purpose. Correct malfunctioning or noisy units, then retest to demonstrate compliance.
- J. At date of substantial completion, replace all lamps which are observed to be noticeably dimmed as judged by the Architect/Engineer.
- K. Provide tight equipment grounding connections to comply with tightening torques specified in UL 486A for each lighting fixture.

REVISION DATE

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GA PERRY VALLEY
APARTMENTS
200 VALLEY DRIVE
PERRY, GEORGIA

PROJECT ARCHITECT
RLJ JR
TECHNICIANS
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COMMISSION NUMBER
2926
DATE
20 APR 2023

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