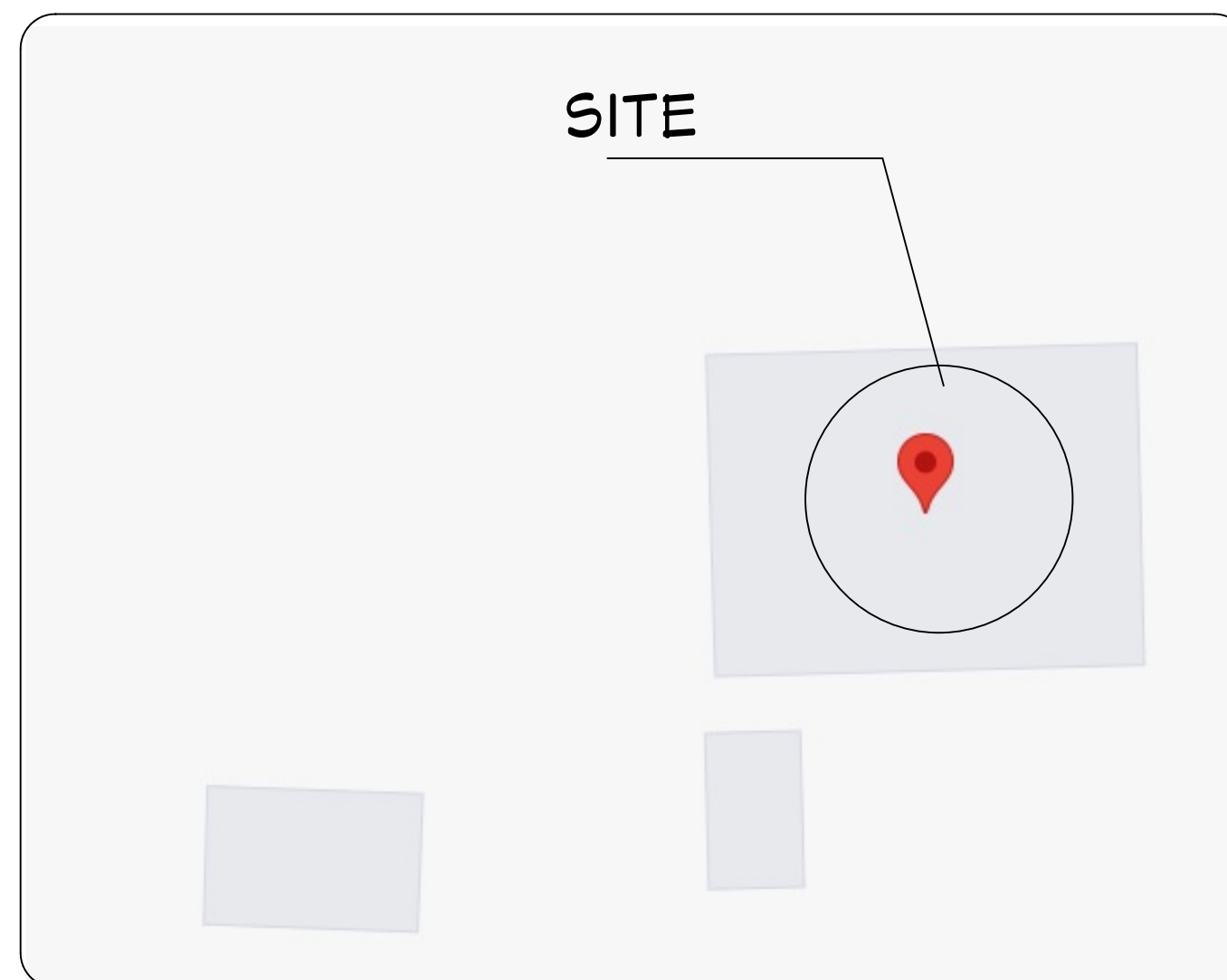


# APARTMENT ADDITION



**RENDERING**  
FOR ILLUSTRATION ONLY



**VICINITY MAP**  
NOT TO SCALE

## GENERAL NOTES:

THIS PLAN SET, COMBINED WITH THE BUILDING CONTRACT, PROVIDES BUILDING DETAILS FOR THE RESIDENTIAL PROJECT. THE CONTRACTOR SHALL VERIFY THAT SITE CONDITIONS ARE CONSISTENT WITH THESE PLANS BEFORE STARTING WORK. WORK NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED TO THE SAME QUALITY AS SIMILAR WORK THAT IS DETAILED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AND LOCAL CODES. CONTRACTOR SHALL BE RESPONSIBLE AND BEAR ANY FINES OR PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. INSURANCES SHALL BE IN FORCE THROUGHOUT THE DURATION OF THE BUILDING PROJECT.

WRITTEN DIMENSIONS AND SPECIFIC NOTES SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND GENERAL NOTES. THE ENGINEER/DESIGNER SHALL BE CONSULTED FOR CLARIFICATION IF SITE CONDITIONS ARE ENCOUNTERED THAT ARE DIFFERENT THAN SHOWN, IF DISCREPANCIES ARE FOUND IN THE PLANS OR NOTES, OR IF A QUESTION ARISES OVER THE INTENT OF THE PLANS OR NOTES. CONTRACTOR SHALL VERIFY AND IS RESPONSIBLE FOR ALL DIMENSIONS (INCLUDING ROUGH OPENINGS). ALL TRADES SHALL MAINTAIN A CLEAN WORK SITE AT THE END OF EACH WORK DAY.

PLEASE SEE ADDITIONAL NOTES CALLED OUT ON OTHER SHEETS.

## BUILDING DESIGN AND CODE DATA:

NOTE: THIS WAS A PURPOSE DRAWING Branch Circuitry and Panel designations to be designed and installed by certified local electrician. L.S. (NFPA 101 LIFE SAFETY CODE) AS APPLICABLE.

### APPLICABLE BUILDING CODES:

- 2018 International Residential Code
- 2018 International Building Code
- 2018 International Mechanical Code
- 2018 Uniform Plumbing Code
- 2017 National Electrical Code
- 2018 International Fire Code
- 2018 International Energy Conservation Code
- 2018 International Property Maintenance Code
- 2018 NFPA Life Safety Code

**CONSTRUCTION TYPE: (BASED ON CHAPTER 5 OF THE IBC)**

CONSTRUCTION TYPE: V B  
FIRE RATINGS FOR BUILDING ELEMENTS (BASED ON SECTION 602.1 & TABLES 601 & 602 OF THE IBC):

### FIRE PROTECTION SYSTEMS SUMMARY:

AN AUTOMATIC FIRE SPRINKLER SYSTEM AS DESCRIBED PER IBC SECTION 903 IS NOT REQUIRED.

## CODE INFORMATION:

### PROJECT DESCRIPTION:

ADDITION OF APARTMENT WITH EXISTING BUILDING

### BUILDING CODE:

INTERNATIONAL BUILDING CODE - 2018

### PROJECT SQUARE FOOTAGE:

1330 SQ.FT

### CHAPTER 3- CLASSIFICATION:

EXISTING AND PROPOSED:  
R-3( RESIDENTIAL)

### CHAPTER 5- HEIGHT AND AREA:

MAXIMUM ALLOWABLE AREA = UNLIMITED  
MAXIMUM ALLOWABLE HEIGHT = 60'-0"

### CHAPTER 6- CONSTRUCTION TYPE:

TYPE V FOR R-3 RESIDENTIAL CLASSIFICATION

### CHAPTER 7- FIRE SEPARATION AND RATINGS:

2HRS FIRE RESISTANCE RATING

### CHAPTER 8- INTERIOR FINISH RATINGS:

EXISTING TO REMAIN:  
INTERIOR FINISH RATINGS  
INTERIOR EXIT PASSAGEWAYS: CLASS C  
CORRIDORS AND ENCLOSURES: CLASS C  
ROOMS AND ENCLOSED SPACES: CLASS C

### CHAPTER 9- FIRE PROTECTION:

AUTOMATIC SPRINKLER SYSTEM

### CHAPTER 9- FIRE AND SMOKE ALARMS:

SMOKE ALARMS ARE REQUIRED TO BE INSTALLED IN THE FOLLOWING LOCATIONS:  
• INSIDE EACH SLEEPING ROOM  
• OUTSIDE EACH SLEEPING AREA  
• ON EACH LEVEL OF THE DWELLING  
FIRE ALARM NOT NECESSARY UNLESS THE BUILDING AREA IS LARGE OR HAS MULTIPLE DWELLING UNITS

### CHAPTER 10- MEANS OF EGRESS:

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT FOR R-3 CLASSIFICATION IS 200 GROSS  
EXIST DISTANCE FOR R-3 SHALL NOT BE MORE THAN 125FT  
MINIMUM NO OF EXISTS IS 2  
EGRESS WIDTH SHALL NOT BE LESS THAN 36"

### CHAPTER 11- ACCESSIBILITY:

2% OF TOTAL AREA

### CHAPTER 24- PLUMBING FIXTURES:

3- WATER CLOSET AND 4- LAVATORY PROVIDED

PROJECT: APARTMENT ADDITION

WATER/SEWER: PUBLIC/SEPTIC TANK  
BUILDING PERMIT: LAS VEGAS  
ZONING: R-1  
COUNTY: CLARK  
OCCUPANCY CLASSIFICATION USE:

LOT AREA: 51400 SQ.FT  
BUILDING AREA: 1330 SQ.FT

DESIGNER: ASWIN KUMAR  
DESIGN CONSULTANT: TRANSFORMATIVE CONSTRUCTION  
BUILDER: TBD

## INDEX

Label	Title
G01	PROJECT SUMMARY
G02	GENERAL NOTES
G03	SITE PLAN
G04	FOUNDATION PLAN
A01	PROPOSED FLOOR PLAN
A02	DIMENSIONED FLOOR PLAN
A03	DOOR AND WINDOW SCHEDULE
A04	ELEVATIONS
A05	ELEVATIONS
S01	FLOOR FRAMING PLAN
S02	ROOF PLAN & FRAMING
D01	DETAILS
E01	ELECTRICAL NOTES
E02	ELECTRICAL PLAN
E03	ELECTRICAL PLAN
E04	PLUMBING NOTES
E05	PLUMBING PLAN
P01	PLUMBING PLAN
M01	HVAC NOTES
M02	HVAC PLAN

ARCHITECT SEAL:

**PROJECT SUMMARY**

SCALE @ 24" X 36"

DATE: 10-16-2024

DRAWN BY: AK

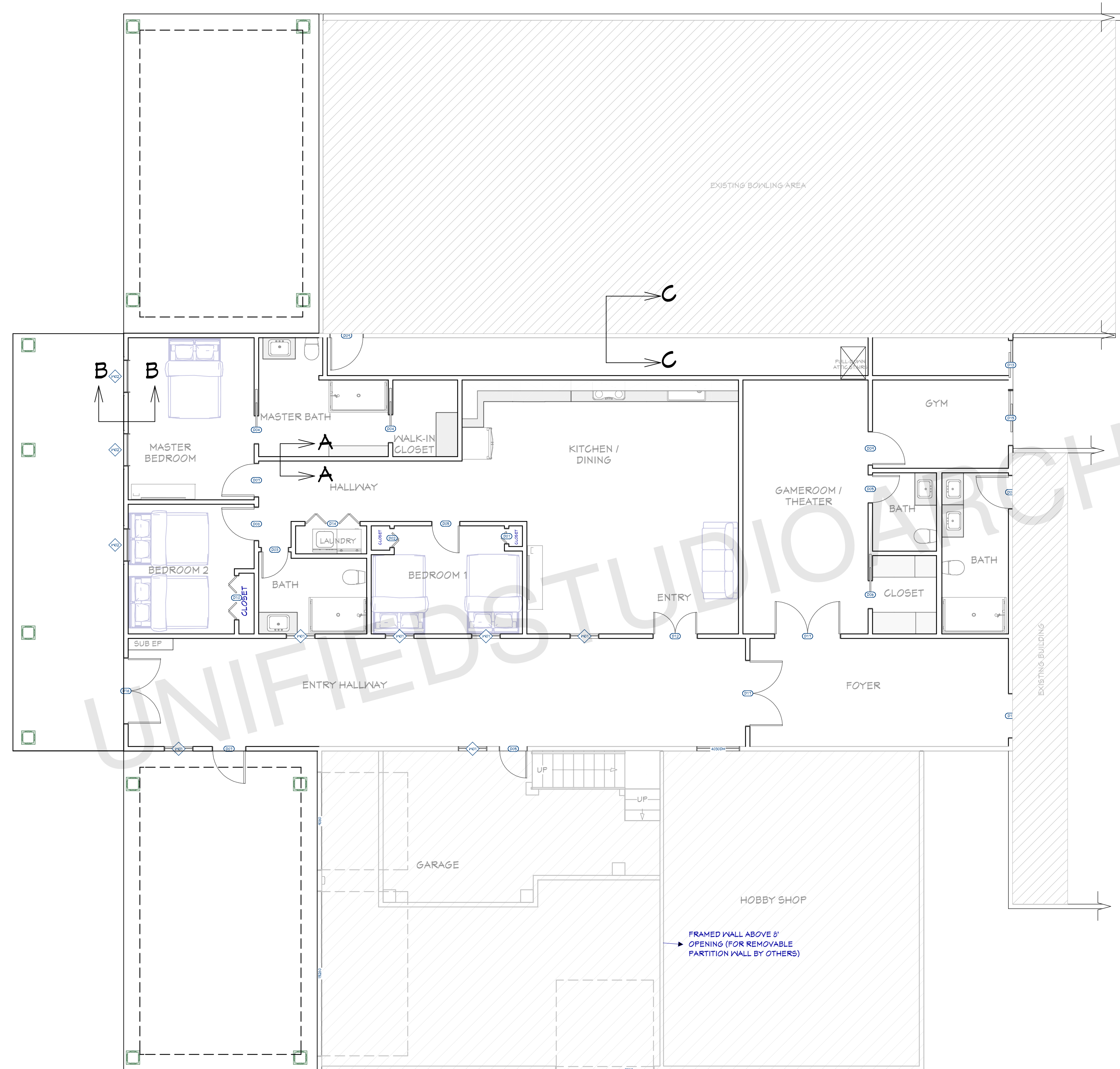
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SHEET NUMBER

**G01**

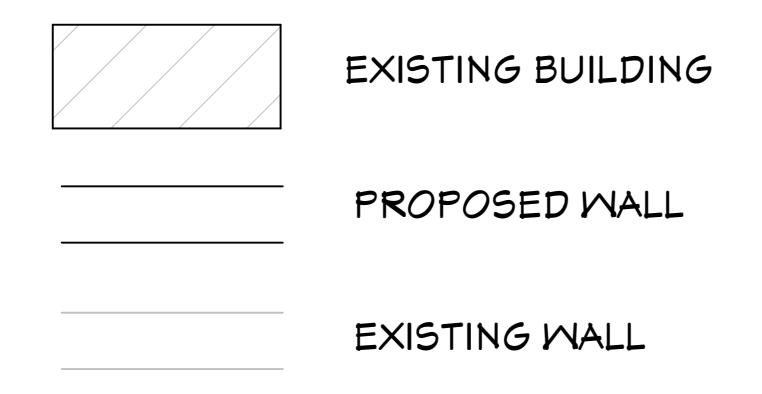
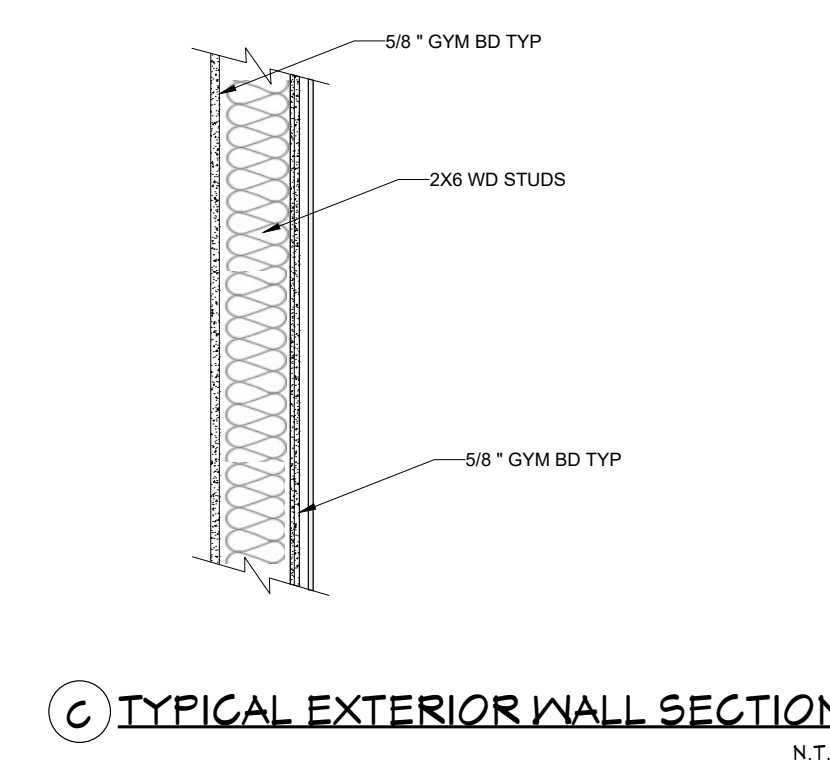
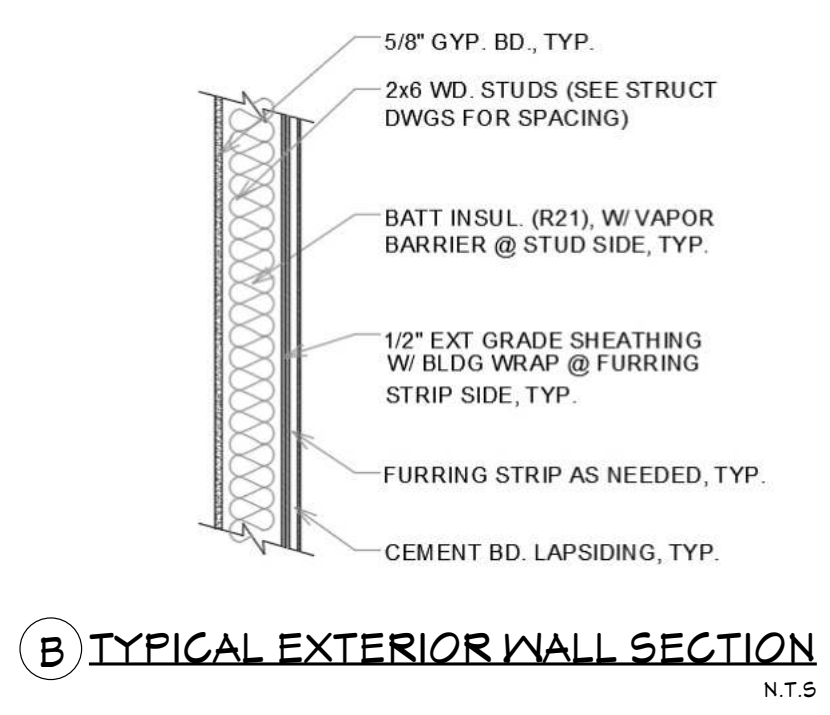
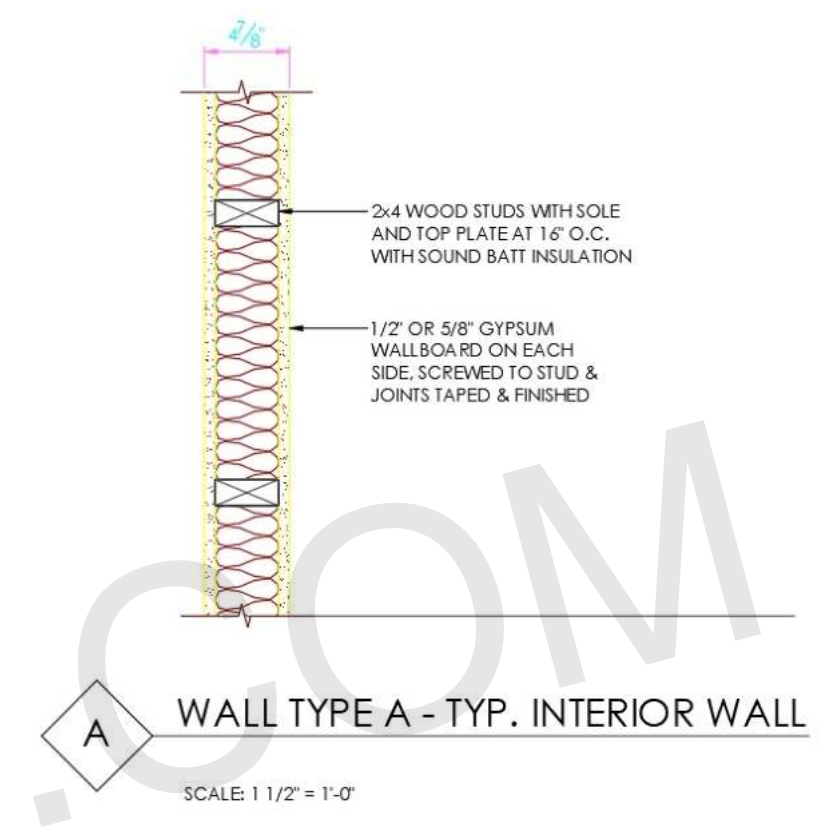




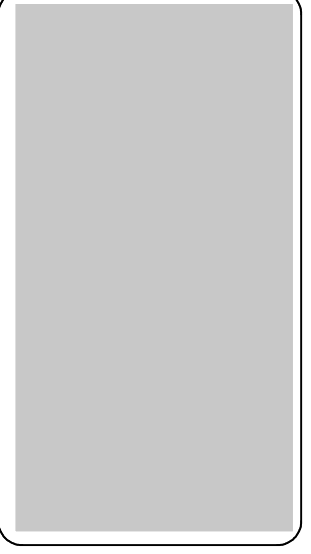
**PROPOSED FLOOR PLAN**  
1/6"=1'

**FLOOR PLAN NOTES:**

- 1 ALL EXTERIOR DIMENSIONS ARE TO THE FRAMING OR MAIN LAYER.
- 2 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND IS RESPONSIBLE FOR ALL DIMENSIONS (INCLUDING ROUGH OPENINGS).



ARCHITECT SEAL:



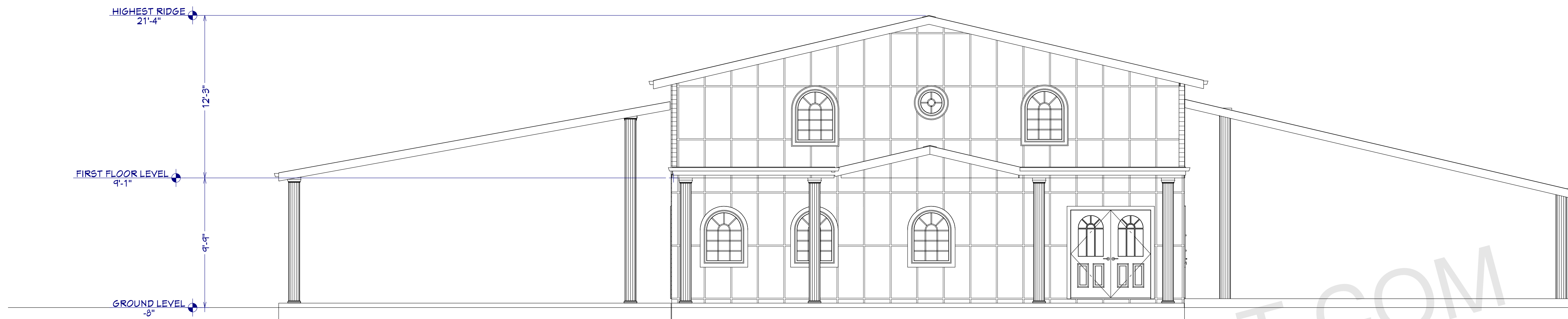
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SCALE @ 24" X 36"  
DATE: 10-16-2024  
DRAWN BY: AK

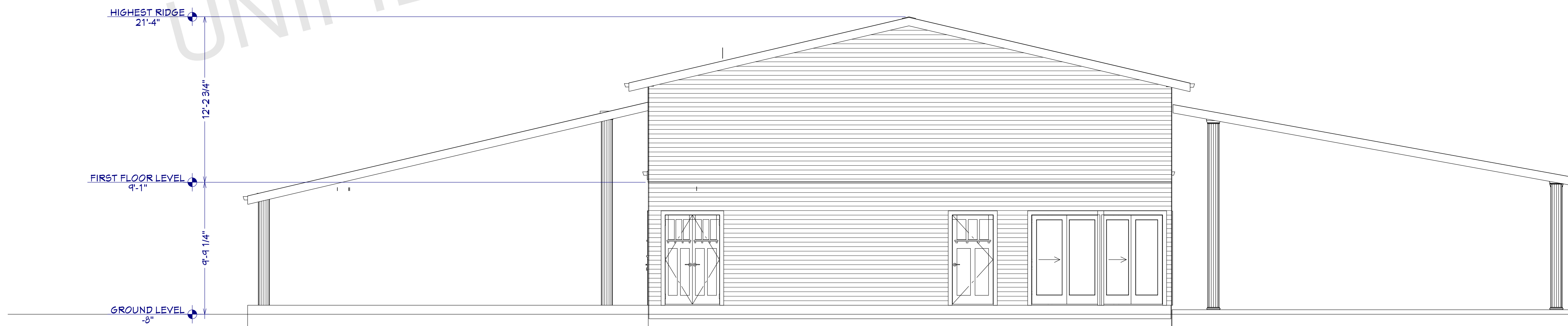
**APARTMENT ADDITION**

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SHEET NUMBER  
**A02**



**FRONT ELEVATION**  
1/4"=1'



**REAR ELEVATION**  
1/4"=1'

ARCHITECT SEAL:

**ELEVATION-1**

SCALE @ 24" X 36"

DATE: 10-16-2024

DRAWN BY: AK

**APARTMENT ADDITION**

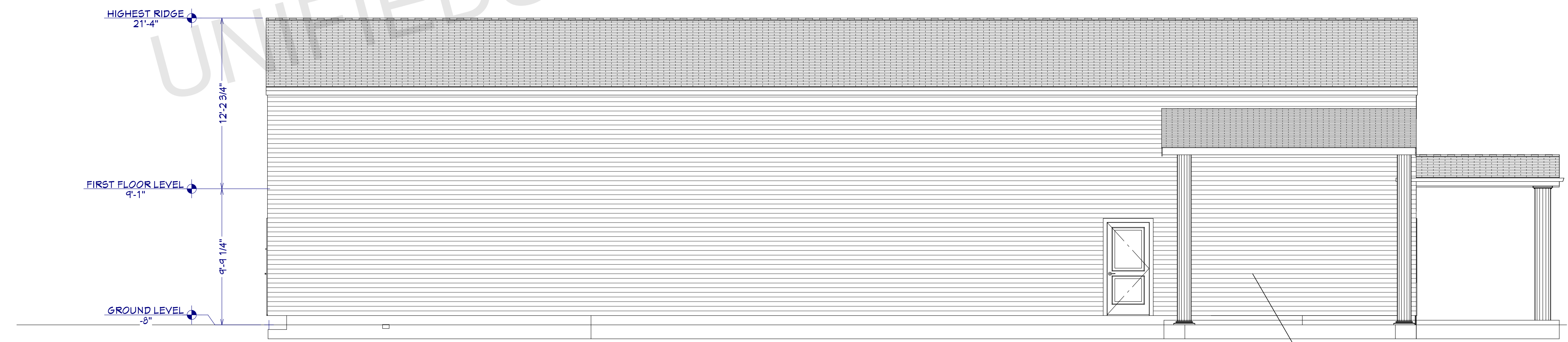
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SHEET NUMBER

**A09**



**RIGHT SIDE ELEVATION**  
1/8"=1'



**LEFT SIDE ELEVATION**  
1/8"=1'

ARCHITECT SEAL:

**ELEVATION-2**

SCALE @ 24" X 36"

DATE: 10-16-2024

DRAWN BY: AK

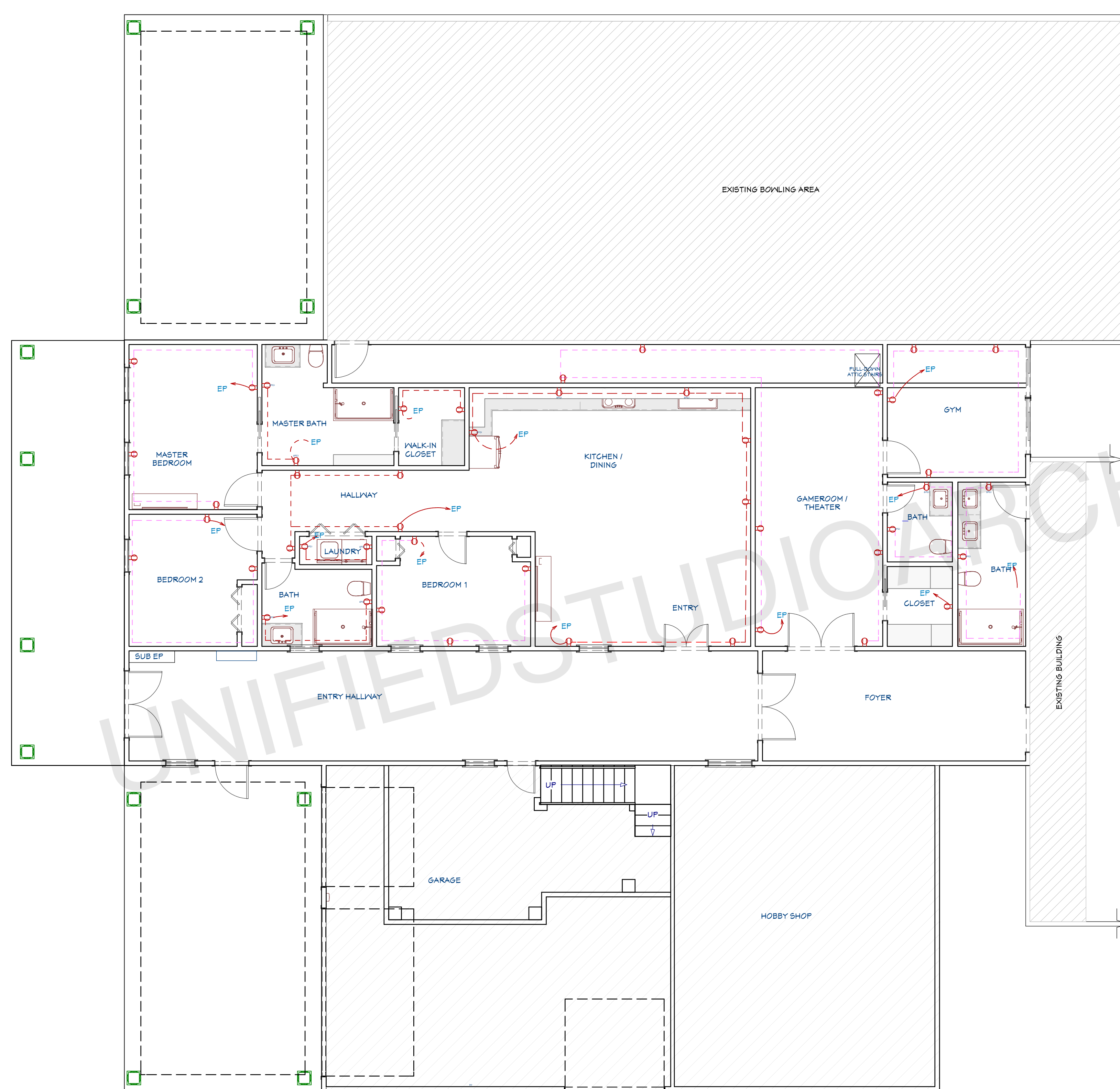
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SHEET NUMBER

**A10**





**POWER PLAN**  
1/6"=1'

**ELECTRICAL LEGEND**

- 110V OUTLET (RECEPTACLES)
- CONNECTION
- GFCI OUTLET
- HOME RUN
- ELECTRICAL PANEL
- LED LIGHT
- WALL MOUNTED LIGHT
- SWITCHES
- TV OUTLET
- TELEPHONE OUTLET

**NOTE:**

BRANCH CIRCUITRY AND PANEL DESIGNATIONS TO BE DESIGNED AND INSTALLED BY CERTIFIED LOCAL ELECTRICIAN

**ABBREVIATIONS AND CALLOUTS (TYP.)**

Δ	DELTA	IU-X	INDOOR UNIT
Y	WYE	J/JB	JUNCTION BOX
A	AMPS	kcml	THOUSAND CIRCULAR MIL
AC	ALTERNATING CURRENT	KEF-X	KITCHEN EXHAUST FAN
AD	ACCESS DOOR	kW	KILOWATT
AFCI/AFI	ARC FAULT CIRCUIT INTERRUPTER	L-X	LOUVER (POWERED)
AFF	ABOVE FINISH FLOOR	LED	LIGHT EMITTING DIODE
AHU-X	AIR HANDLING UNIT	MAU-X	MAKE UP AIR UNIT
AIC	AMPERE INTERRUPTING CAPACITY	MAX	MAXIMUM
AJD	ADJUSTABLE	MCA	MAX. CIRCUIT AMPERAGE
AL	ALUMINUM	MCB	MAIN CIRCUIT BREAKER
AOR	ARCHITECT OF RECORD	MCC	MOTORIZED CONTROL CENTER
ATS	AUTOMATIC TRANSFER SWITCH	MIN	MINIMUM
BC-X	BRANCH CONTROLLER	MIU-X	MULTI-SPLIT INDOOR UNIT
BKR	BREAKER	MLO	MAIN LUGS ONLY
BOD	BASIS OF DESIGN	MOCP	MAX. OVERCURRENT PROTECTION
CB	CIRCUIT BRANCH	MOU-X	MULTI-SPLIT OUTDOOR UNIT
CLG	CEILING	MOD	MOTORIZED DAMPER
COMP-X	COMPRESSOR	N	NEUTRAL
CU	COPPER	N/A	NOT APPLICABLE
CU-X	CONDENSING UNIT	NC	NORMALLY CLOSED
DC	DIRECT CURRENT	NO	NORMALLY OPEN
DIM	DIMMER	OU-X	OUTDOOR UNIT
DWGS	DRAWINGS	PNL	PANEL
EDH	ELECTRICAL DUCT HEATER	PIU-X	POWERED INDUCTION UNIT
EF-X	EXHAUST FAN	RMS	ROOT MEAN SQUARE
EOR	ENGINEER OF RECORD	RTU-X	ROOFTOP UNIT
EX	EXISTING	SF	SQUARE FEET
FA	FIRE ALARM	SWBD	SWITCHBOARD
FAA	FIRE ALARM ANNUNCIATOR PANEL	TP	TAMPER PROOF
FACP	FIRE ALARM CONTROL PANEL	TV	TELEVISION
FCU-X	FAN COIL UNIT	TYP	TYPICAL
FD	FIRE DAMPER	UG	UNDERGROUND
FSD	FIRE/SMOKE DAMPER	UH-X	UNIT HEATER (ELECTRIC)
FT	FEET	V	VOLTS
G/GRND	GROUND	VA	VOLT-AMPERES
GEN	GENERATOR	VAV-X	VARIABLE AIR VOLUME UNIT
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER	VLD	VOLUME DAMPER (MANUAL)
GUH-X	GAS UNIT HEATER	VFD	VARIABLE FREQUENCY DRIVE
H/C	HEATING COIL	W	WATTS
HP	HORSEPOWER	W/	WITH
HP-X	HEAT PUMP	WH-X	WATER HEATER
HR	HOUR	WP	WEATHERPROOF
HZ	HERZ	XFMR	TRANSFORMER
IG	ISOLATED GROUND	XP	EXPLOSION PROOF
IN	INCHES	Z	IMPEDANCE

ARCHITECT SEAL:

**POWER PLAN**

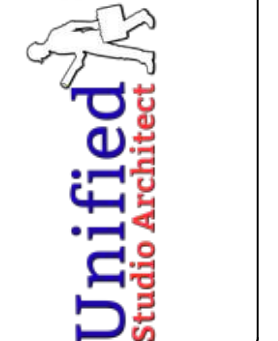
SCALE @ 24" X 36"

DATE: 10-16-2024

DRAWN BY: AK

APARTMENT ADDITION

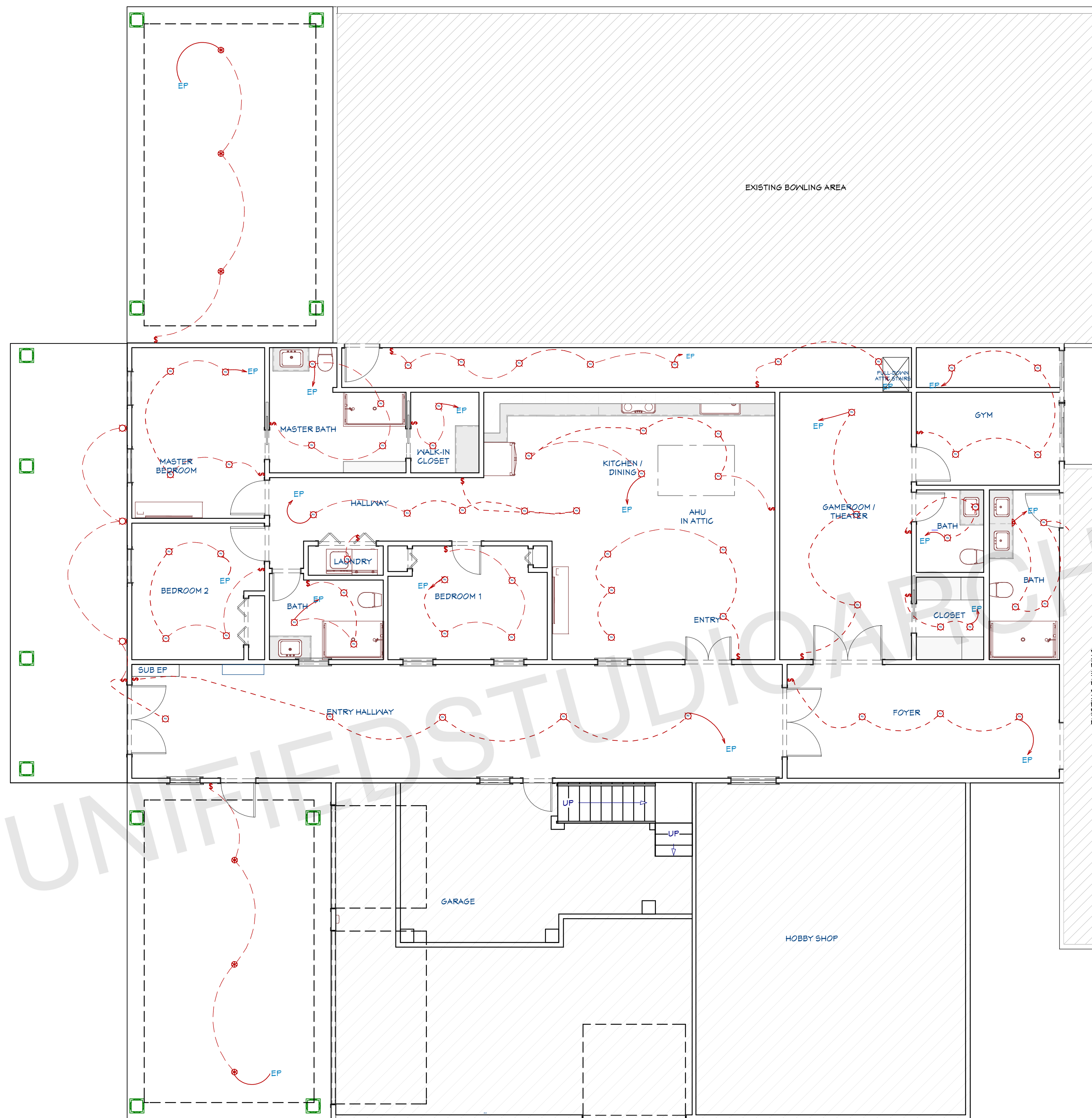
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Ph: 302 889 1886



SHEET NUMBER

**E02**





**LIGHTING PLAN**

1/6"=1'

**ELECTRICAL LEGEND**

- 110V OUTLET (RECEPTACLES)
- CONNECTION
- GFCI OUTLET
- HOME RUN
- ELECTRICAL PANEL
- LED LIGHT
- WALL MOUNTED LIGHT
- SWITCHES
- TV OUTLET
- TELEPHONE OUTLET

**NOTE:**

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**ABBREVIATIONS AND CALLOUTS (TYP.)**

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A	AMPS	kcmil	THOUSAND CIRCULAR MIL
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AD	ACCESS DOOR	kW	KILOWATT
AFCI/AFI	ARC FAULT CIRCUIT INTERRUPTER	L-X	LOUVER (POWERED)
AFF	ABOVE FINISH FLOOR	LED	LIGHT EMITTING DIODE
AHU-X	AIR HANDLING UNIT	MAU-X	MAKE UP AIR UNIT
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AOR	ARCHITECT OF RECORD	MCC	MOTORIZED CONTROL CENTER
ATS	AUTOMATIC TRANSFER SWITCH	MIN	MINIMUM
BC-X	BRANCH CONTROLLER	MIU-X	MULTI-SPLIT INDOOR UNIT
BKR	BREAKER	MLO	MAIN LUGS ONLY
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EOR	ENGINEER OF RECORD	RTU-X	ROOFTOP UNIT
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FAA	FIRE ALARM ANNUNCIATOR PANEL	TP	TAMPER PROOF
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GUH-X	GAS UNIT HEATER	VFD	VARIABLE FREQUENCY DRIVE
H/C	HEATING COIL	W	WATTS
HP	HORSEPOWER	W/	WITH
HP-X	HEAT PUMP	WH-X	WATER HEATER
HR	HOUR	WP	WEATHERPROOF
HZ	HERZ	XFMR	TRANSFORMER
IG	ISOLATED GROUND	XP	EXPLOSION PROOF
IN	INCHES	Z	IMPEDANCE

ARCHITECT SEAL:

**LIGHTING PLAN**

SCALE @ 24" X 36"

DATE: 10-16-2024

DRAWN BY: AK

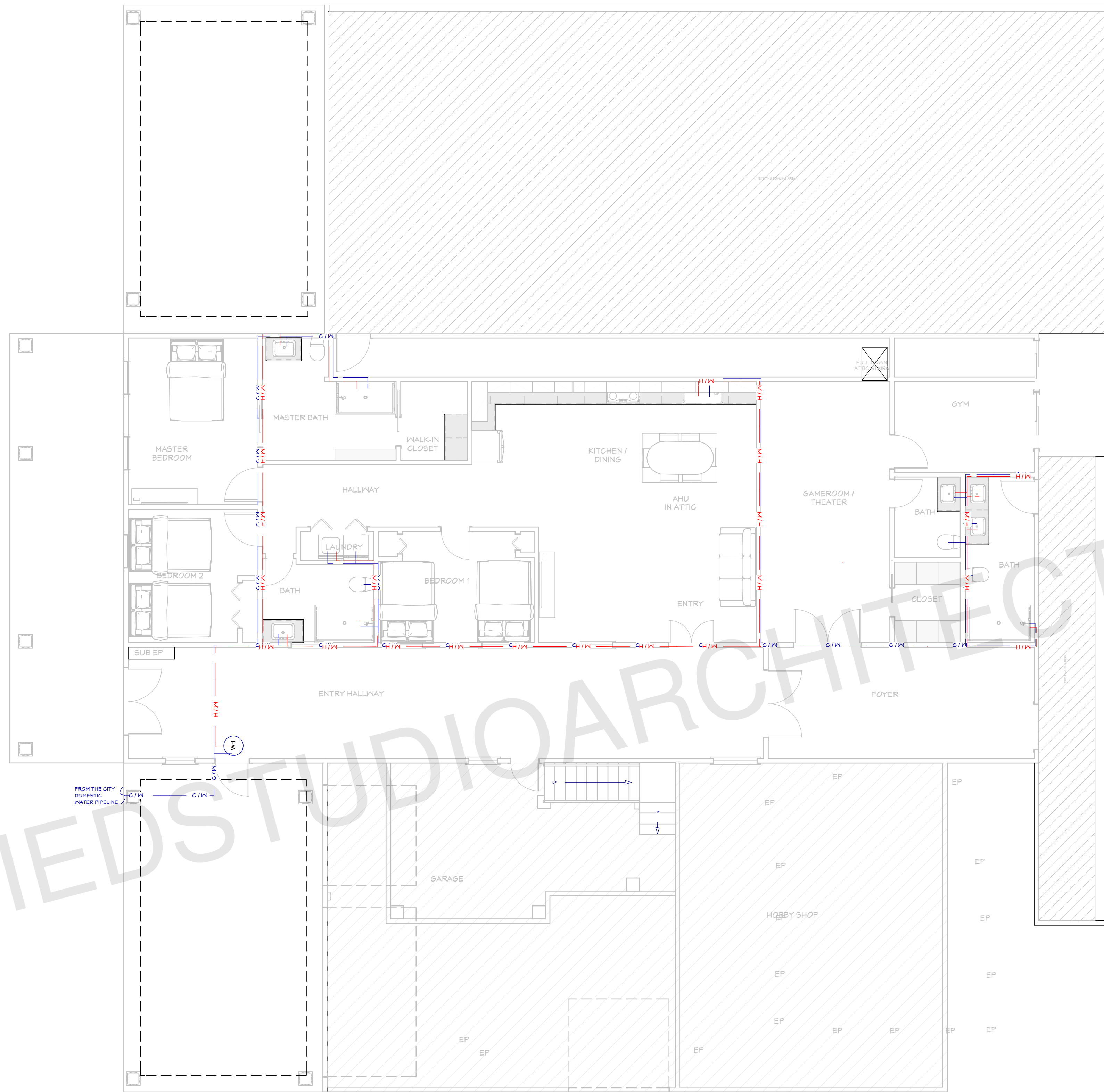
APARTMENT ADDITION

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SHEET NUMBER

**E03**





**DOMESTIC PIPELINE PLAN**

1/6"=1'

**General Notes:**

- Selection of Cleanout Locations:
  1. The contractor shall select and provide suitable cleanout locations as per the plumbing layout and site conditions.
  2. Cleanouts must be installed at the base of all vertical soil and waste stacks.
  3. Cleanouts should be located at every change in direction greater than 45 degrees and at intervals not exceeding 100 feet for horizontal drainage piping.
  4. Cleanouts must be easily accessible for maintenance and inspection.
  5. Exterior cleanouts should be placed at least 3 feet from the foundation wall.
  6. All cleanout locations must comply with local plumbing codes and be approved by the plumbing inspector.
  7. Ensure cleanouts are capped and properly sealed when not in use.
  8. Contractor to verify and coordinate the final cleanout locations with the site supervisor and plumbing engineer.

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
— HW —	HOT WATER, COPPER TYPE L, OR CPVC
— W —	COLD WATER, COPPER TYPE L, OR PVC
— SS —	WASTE, PVC, SCHEDULE 40 (DWV)
— — —	VENT, (DWV)

PIPE SIZES:	
Cold Water Pipe Line	= 3/4"
Hot Water Pipe Line	= 1/2"
Sewer Pipe	= 2.5"
Main sewer Pipe	= 3"
Vent	= 2"

ARCHITECT SEAL:

**PLUMBING PLAN**

SCALE @ 24" X 36"

DATE: 10-16-2024

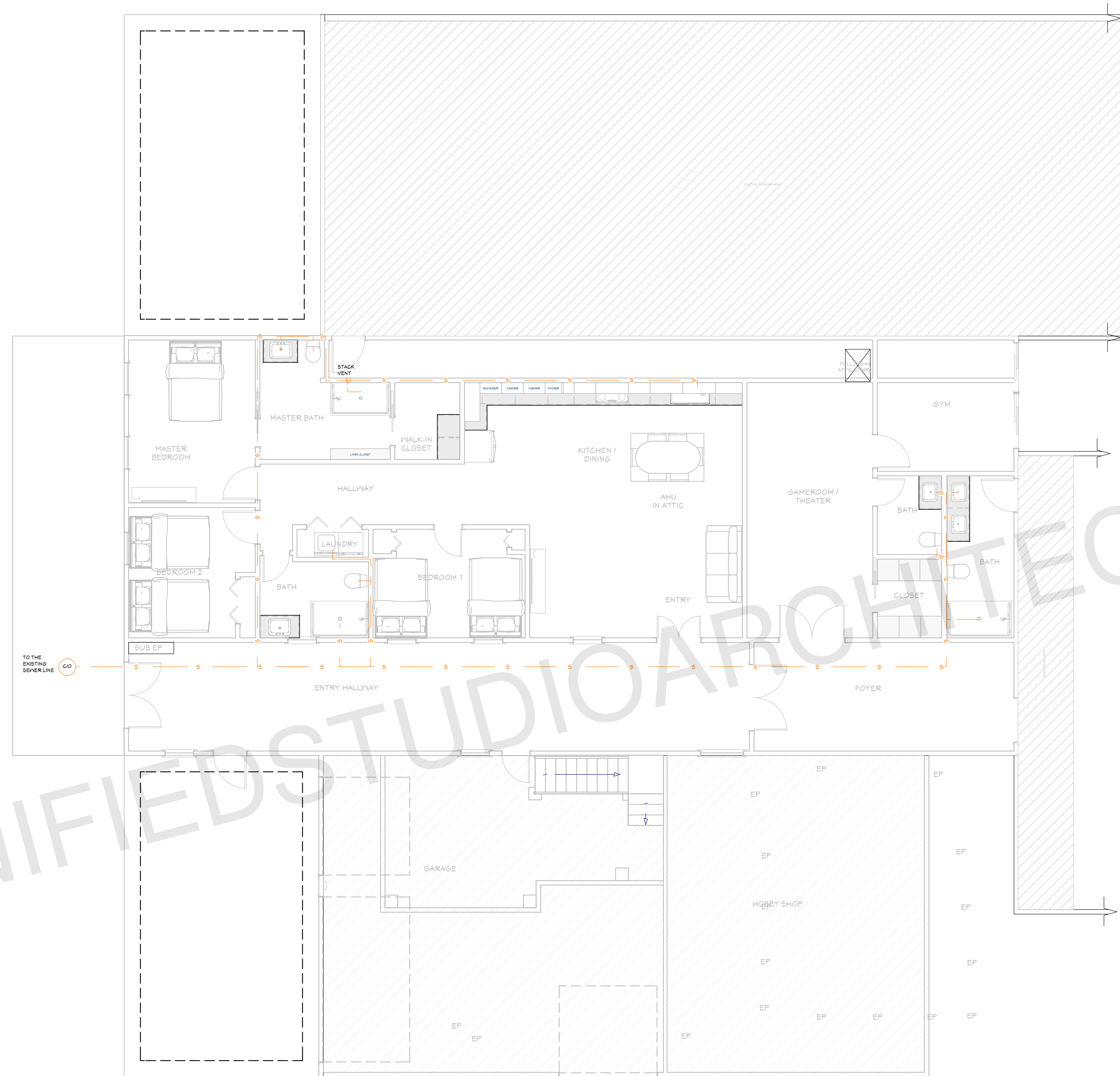
DRAWN BY: AK

APARTMENT ADDITION

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SHEET NUMBER

**P02**



**SEWER PLAN**

1/8"=1'

**General Notes:**

- Selection of Cleanout Locations:
- 1. The contractor shall select and provide suitable cleanout locations as per the plumbing layout and site conditions.
- 2. Cleanouts must be installed at the base of all vertical soil and waste stacks.
- 3. Cleanouts should be located at every change in direction greater than 45 degrees and at intervals not exceeding 100 feet for horizontal drainage piping.
- 4. Cleanouts must be easily accessible for maintenance and inspection.
- 5. Exterior cleanouts should be placed at least 3 feet from the foundation wall.
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PLUMBING LEGEND	
SYMBOL	DESCRIPTION
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— W —	COLD WATER, COPPER TYPE L, OR PVC
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— — —	VENT, (DWV)

PIPE SIZES:	
Cold Water Pipe Line	= 3/4"
Hot Water Pipe Line	= 1/2"
Sewer Pipe	= 2.5"
Main sewer Pipe	= 3"
Vent	= 2"

ARCHITECT SEAL:

**SEWER PLAN**

SCALE @ 24" X 36"

DATE: 10-16-2024

DRAWN BY: AK

APARTMENT ADDITION

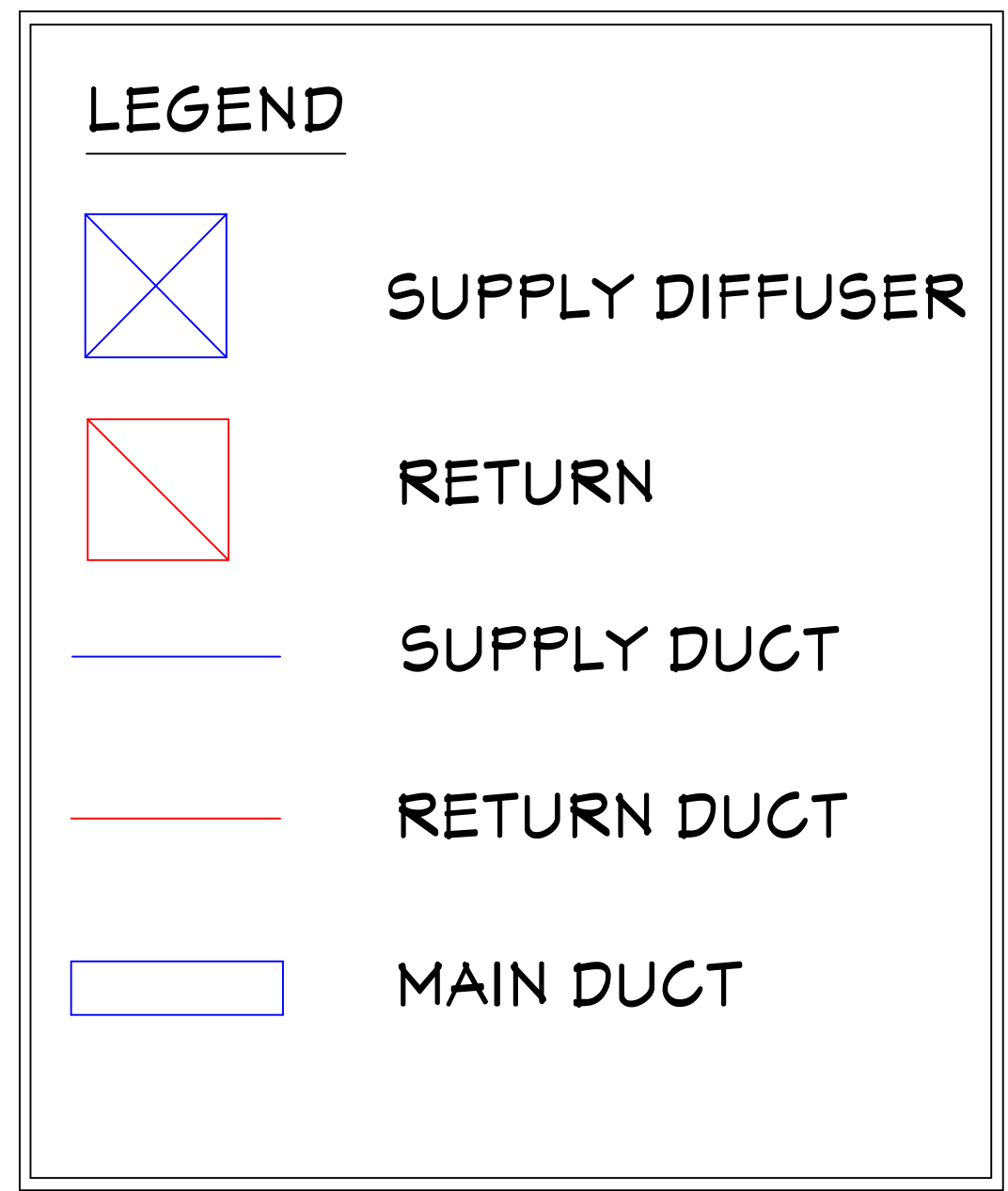
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SHEET NUMBER

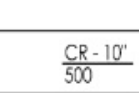
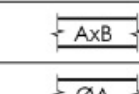
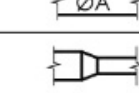

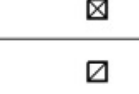
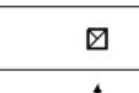
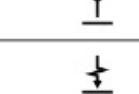
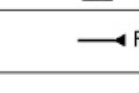
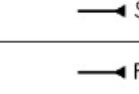
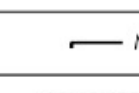
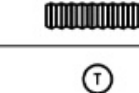
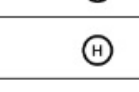


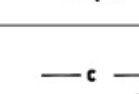








**P03**

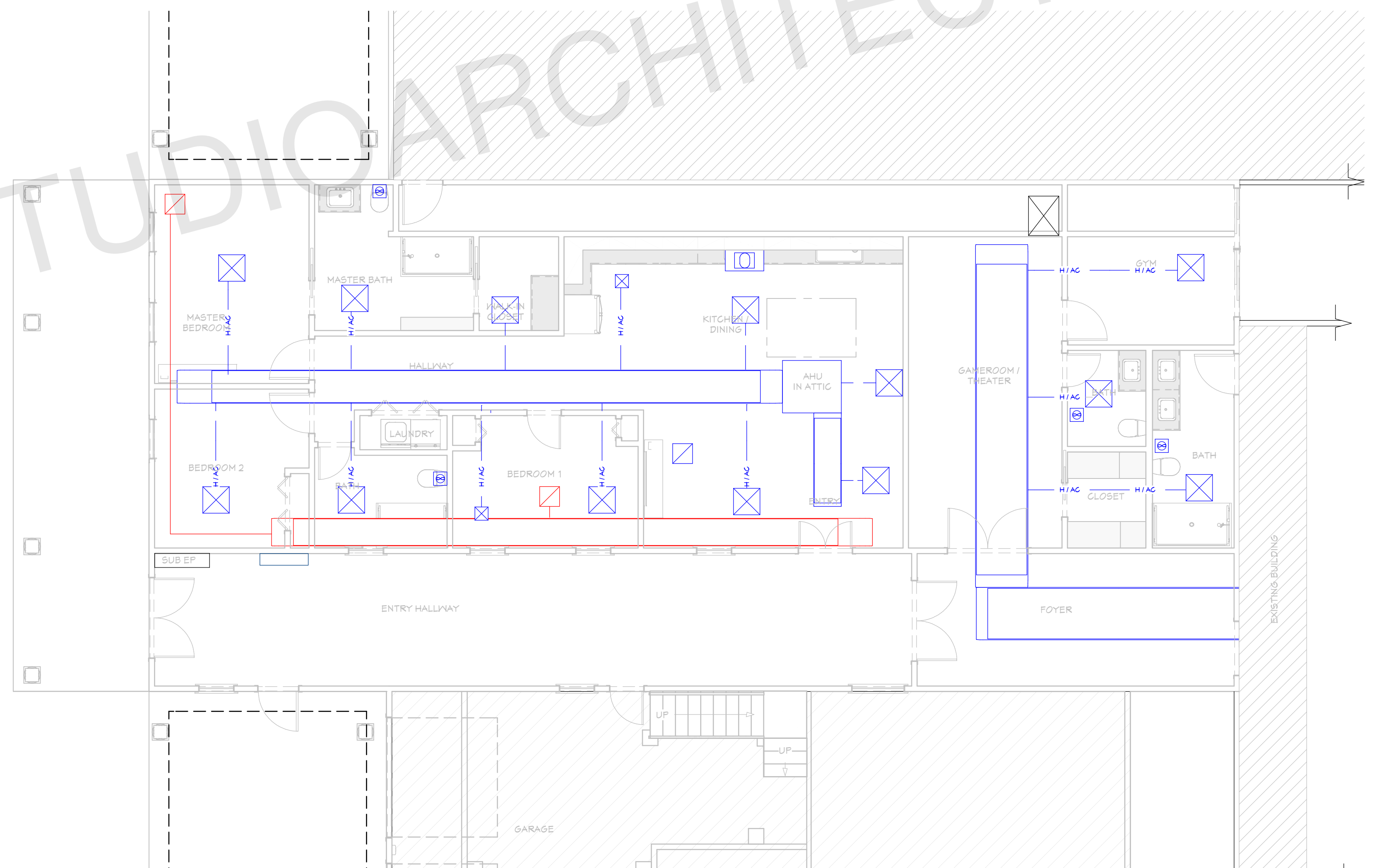


ABBREVIATIONS			
AD	ACCESS DOOR	kW	KILOWATT
AFF	ABOVE FINISH FLOOR	LAT	LEAVING AIR TEMPERATURE
AHU-X	AIR HANDLING UNIT	LBS	POUNDS
AJD	ADJUSTABLE	LD	LINEAR SLOT DIFFUSER
AOR	ARCHITECT OF RECORD	LF	LINEAR FEET
BD	BACKDRAFT DAMPER	LR	LINEAR SLOT RETURN
BOD	BASIS OF DESIGN	MA	MAKE UP AIR
BTU	BRITISH THERMAL UNIT	MAU-X	MAKE UP AIR UNIT
BTU/HR	BRITISH THERMAL UNIT PER HOUR	MAX	MAXIMUM
C/C	COOLING COIL	MBH	1,000 BTH/HR
CD	CEILING DIFFUSER	MCA	MAX. CIRCUIT AMPERAGE
CFM	CUBIC FEET PER MINUTE	MIN	MINIMUM
CLG	CEILING	MIU-X	MULTI-SPLIT INDOOR UNIT
COMP-X	COMPRESSOR	MOC	MAX. OVERCURRENT PROTECTION
CONC	CONCRETE	MOD	MOTORIZED DAMPER
COND	CONDENSATE	MOU-X	MULTI-SPLIT OUTDOOR UNIT
CU-X	CONDENSING UNIT	MD	MANUAL DAMPER
dB	DECIBEL	NO	NORMALLY OPENED
DB	DRY BULB	NC	NORMALLY CLOSED
Ø	DIAMETER	N/A	NOT APPLICABLE
DD	DUCT MOUNTED AIR DIFFUSER	OA	OUTSIDE AIR
DN	DOWN	OC	ON CENTER
DR	DUCT MOUNTED AIR RETURN	OU-X	MINI-SPLIT OUTDOOR UNIT
DWGS	DRAWINGS	PIU-X	POWERED INDUCTION UNIT
EA	EXHAUST AIR	RA	RETURN AIR
EAT	ENTERING AIR TEMPERATURE	RG	RETURN AIR GRILLE
EDH	ELECTRICAL DUCT HEATER	RH	RELATIVE HUMDITY
EF-X	EXHAUST FAN	RPM	ROTATIONS PER MINUTE
EG	EXHAUST GRILLE	RTU-X	ROOFTOP UNIT
EOR	ENGINEER OF RECORD	SA	SUPPLY AIR
ESP	EXTERNAL STATIC PRESSURE	SF	SQUARE FEET
EX	EXISTING	SP	STATIC PRESSURE
EXH	EXHAUST	SR	SUPPLY REGISTER
FCU-X	FAN COIL UNIT	SS	STAINLESS STEEL
FD	FIRE DAMPER	TG	TRANSFER GRILLE
FSD	FIRE/SMOKE DAMPER	TYP	TYPICAL
FT	FEET	UC	UNDERCUT
H/C	HEATING COIL	UH-X	UNIT HEATER
HP	HORSEPOWER	VAV-X	VARIABLE AIR VOLUME UNIT
HP-X	HEAT PUMP	VFD	VARIABLE FREQUENCY DRIVE
HR	HOUR	W/	WITH
IN	INCHES	WET BULB	WET BULB
IU-X	MINI-SPLIT INDOOR UNIT	WC	WATER COLUMN
KEF-X	KITCHEN EXHAUST FAN	WG	WATER GAUGE



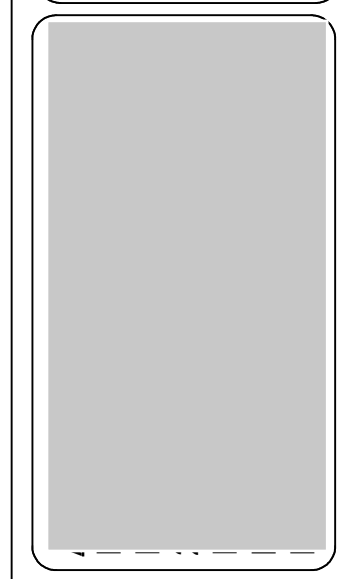
**MECHANICAL LEGEND**

	DIFFUSER, REGISTER OR LOUVER TYPE - REFER TO THE SCHEDULE AIRFLOW (IN CFM)
	RECTANGULAR DUCTWORK
	ROUND DUCTWORK
	DUCTWORK TRANSITION
	TURNING VANES AT DUCT ELBOW
	SUPPLY DIFFUSER
	RETURN GRILLE
	EXHAUST GRILLE OR EXHAUST FAN
	SIDE WALL OR DUCT MOUNTED SUPPLY
	SIDE WALL OR DUCT MOUNTED RETURN
	FIRE DAMPER (RATING PER PENETRATED ASSEMBLY RATING)
	SMOKE DAMPER
	COMBINATION FIRE AND SMOKE DAMPER (RATING PER PENETRATED ASSEMBLY RATING)
	MANUAL VOLUME DAMPER
	FLEXIBLE DUCTWORK - LIMITED TO 6' LENGTH AT DIFFUSER, GRILLES AND REGISTERS
	THERMOSTAT - 48" A.F.F.
	HUMIDISTAT - 48" A.F.F.
	DUCT DOWN
	DUCT UP
	FLEXIBLE CONNECTION IN DUCTWORK, IF NOT SHOWN, IT SHALL BE LOCATED AT EACH DUCT CONNECTION TO MECHANICAL EQUIPMENT
	CONDENSATE LINE, IF NOT SHOWN, ROUTING BY CONTRACTOR TO CODE
	REFRIGERANT LINE SETS (SUCTION&LIQUID LINE), IF NOT SHOWN, ROUTING BY CONTRACTOR TO CODE
	EXTERNAL OR INTERNAL DUCT INSULATION PER SPECIFICATION



**MECHANICAL PLAN**  
1/6"=1'

ARCHITECT SEAL:



**HVAC PLAN**

SCALE @ 24" X 36"

DATE: 10-16-2024

DRAWN BY: AK

**APARTMENT ADDITION**

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#6694, Atlanta, GA 30350  
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Ph: 302 889 1886

SHEET NUMBER

**P04**