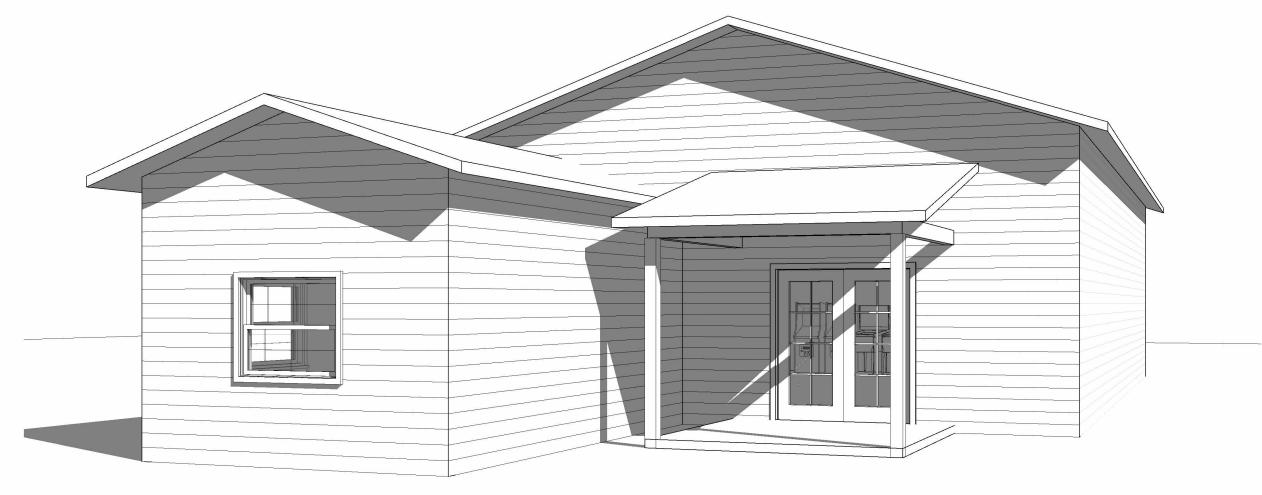
PROPOSED NEW TENANT SPACE UPFIT 4318 RAY RD SPRING LAKE, NC 28390



SHEET NUMBERING SYSTEM

A-0.0 COVER SHEET/SITE PLAN

A-1.0 APPENDIX B

A-2.0 FLOOR PLAN & LIFE SAFETY

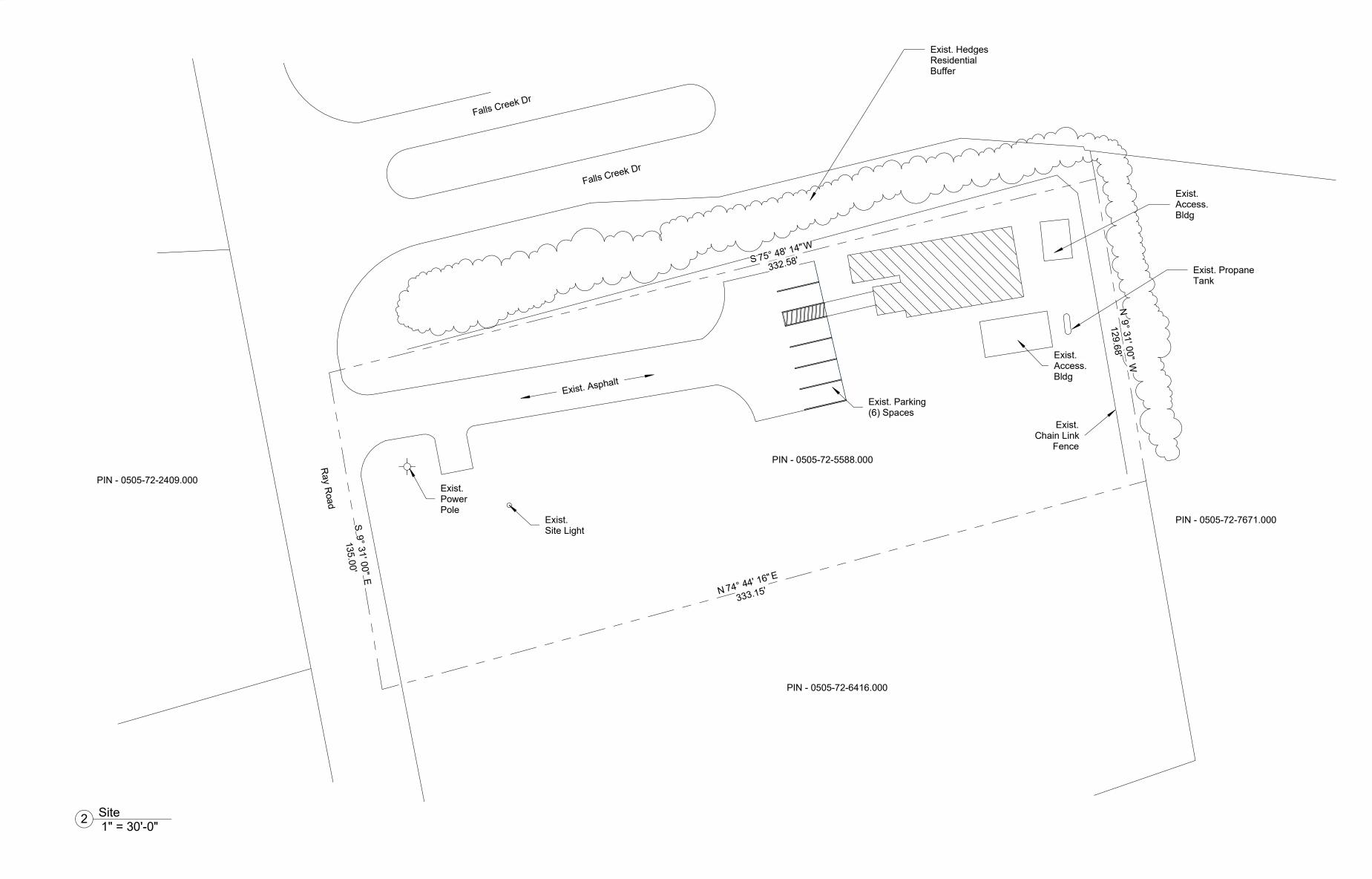
A-2.1 DEMOLITION PLAN & INTERIOR ELEVATIONS

A2.2 ELEVATIONS

P-1.0 PLUMBING PLANS

E-1.0 ELECTRICAL LIGHTING & POWER PLAN

M-1.0 MECHANICAL PLAN



CONSULTANTS

Architect
Name:
Lic #: 54393
Addr: 7038 Rockridge Lane
Fayetteville, NC, 28306
Phone: 305-748-7291
email: kevincoledesigns@gmail.com
website: https://kcadesignstudios.net



	REVISIONS							
No.	Date	Action	_					
			_					
\ 			_					

PROJECT NAME 4318 Ray Road Spring Lake NC	Enter address here
---	--------------------

DRAWING NAME

COVERSHEET

Drawn By Checked By Issue Date

: TP : 7/22/25 : 1" = 30'-0" : 011025000

A-0.0



BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES) (Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: __ Address: <u>4318 F</u>					7	Zip Code28390
	Agent: Luis Ho		one # ()			E-Mail
Owned By:		_	/County	Private	[State
Code Enforcemen	t Jurisdiction:	City	<u>'</u>	County	Cumberland, NC	State
CONTACT:	XXXXXXXXXX	XXXXX				
DESIGNER	FIRM		NAME		TELEPHONE #	E-MAIL
Architectural Civil	Dillet Engineerin	ig Group	Gregory Dillet	054271	(<u>501</u>) <u>817-1401</u>	gdillet@dilleteneering.cor
Electrical	Dillet Engineerin	g Group	Gregory Dillet	054271	(<u>)</u>	gdillet@dilleteneering.co
rire Alarm					()	
Plumbing	Dillet Engineerin		Gregory Dillet	054271	(501) 817-1401	gdillet@dilleteneering.cor
/lechanical Sprinkler-Standpir	Dillet Engineeringe	•	Gregory Dillet	054271	(<u>501)</u> 817-1401	gdillet@dilleteneering.cor
Structural					()	
	5' High		Tim Dannara		(0.10) 644 4597	
Other "Other" should	Tim Peppers Des include firms a	and individ	<u>Tim Peppers</u> luals such as tr	uss, precast	(<u>910)</u> 644-4587 , pre-engineere	tpeppers@pepdc.com ed, interior designers, et
		_			_	
018 NC BUILDIN	IG CODE:	New B	uilding	Addition [Renovation	
		=	Core - Contact the		n jurisdiction for n	ossible additional
		_	ures and requirem	•	ir jurisuiction for p	ossible additional
		_	•		tact the local insp	ection jurisdiction for
		possibl	e additional proce	dures and req	<u>uirements</u>	
018 NC EXISTIN	IG BUILDING CC	DE: EXIST	ING:	Prescriptiv	ve Repair	Chapter 14
			Alteration:	Level I	Level II	
				Historic Pr	operty	Change of Use
CONSTRUC	TED: (date)			T OCCUPANO	CY(S) (Ch. 3):	Business B
RENOVATED	D: (date) _	N/A	PROPOS	ED OCCUPAI	NCY(S) (Ch. 3): _	Assembly A-3
RISK CATEGORY	(Table 1604.5):		Current:]	□ III □ IV	
	,		Proposed:]		
Sprinklers: Standpipes: ire District:	No Pa	rtial Ye	Flood Hazard Ar Yes (<u>Contact th</u>	ea:	NFPA 13R Wet Dry No Yes tion jurisdiction forments.)	V-B NFPA 13D r additional
Sprinklers: Standpipes: Fire District:	No Pa	rtial Ye	S NF	PA 13 C	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D
Sprinklers: Standpipes: Fire District: Special Inspection	No Pa No Ye No Ye No Ye	rtial Ye s Class s No	S NF S I II Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar	PA 13 ea: le local inspectes and require rea Table	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
Sprinklers: Standpipes: Fire District: Special Inspection FLOOR	No Pa No Ye No Ye No Ye	rtial Ye	S NF S I II Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar	PA 13 III ea: le local inspectes and require	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D
Sprinklers: Standpipes: Fire District: Special Inspection FLOOR 3rd Floor	No Pa No Ye No Ye No Ye	rtial Ye s Class s No	S NF S I II Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar	PA 13 ea: le local inspectes and require rea Table	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
	No Pa No Ye No Ye No Ye	rtial Ye s Class s No	S NF S I II Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar	PA 13 ea: le local inspectes and require rea Table	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
Sprinklers: Standpipes: Fire District: Special Inspection FLOOR 3rd Floor 2nd Floor	No Pa No Ye No Ye No EXISTING	rtial Ye s Class s No	S NF S I II Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar	PA 13 ea: le local inspectes and require rea Table	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
Sprinklers: Standpipes: Fire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine	No Pa No Ye No Ye No EXISTING	rtial Yess Class No Section (SQ FT)	S NF S I II Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar	PA 13 ea: le local inspectes and require rea Table	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
Sprinklers: Standpipes: Fire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor	No Pa No Ye No Ye No EXISTING	rtial Yess Class No Section (SQ FT)	S NF S I II Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar	PA 13 ea: le local inspectes and require rea Table	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
Sprinklers: Standpipes: Fire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement	No Pa No Ye No Ye No EXISTING	rtial Yes Class s No Section (SQ FT)	Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar NEW	PA 13 ea: le local inspectes and require rea Table (SQ FT)	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
Sprinklers: Standpipes: Fire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL	No Pa No Ye No Ye No EXISTING	rtial Yes Class s No S (SQ FT)	S NF S I II Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar	PA 13 ea: le local inspectes and require rea Table (SQ FT)	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
Sprinklers: Standpipes: Standpipes: Sire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL	No Pa No Ye No Ye No Ye No EXISTING	rtial Yes Class s No S G (SQ FT) G650 G650	Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar NEW ALLOWABLE A	PA 13 ea: le local inspectes and require rea Table (SQ FT)	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
Sprinklers: Standpipes: Standpipes: Standpipes: Standpipes: Standpipes: Standpipes: Standpipes: Standpipes: Standpipes: FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL	No Pa No Ye No Ye No Ye No EXISTING	rtial Yes Class s No S (SQ FT)	Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar NEW ALLOWABLE A	PA 13 ea: le local inspectes and require rea Table (SQ FT)	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
sprinklers: standpipes: standpipes: stree District: special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupance Assembly	No Pa No Ye No Ye No Ye No EXISTING	rtial Yes Class s No S G (SQ FT) G650 G650	Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar NEW ALLOWABLE A	PA 13 ea: le local inspectes and require rea Table (SQ FT)	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
Sprinklers: Standpipes: FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupance Assembly Business	No Pa No Ye No Ye No Ye No EXISTING	rtial Yes S Class S No S	Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar NEW ALLOWABLE A	PA 13 ea: le local inspectes and require rea Table (SQ FT)	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
Sprinklers: Standpipes: Standp	No Pa No Ye No Ye No Ye No EXISTING	rtial Yes Class s No [G (SQ FT) 650 650 650 F-2 A-	S NFI S I III Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar NEW ALLOWABLE A S A-4 C	PA 13 ea: le local inspectes and require ea Table (SQ FT) AREA A-5	Wet ☐ Dry No ☐ Yes tion jurisdiction for	NFPA 13D r additional
sprinklers: standpipes: standpipes: stree District: special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupant Assembly Business Educational Factory	No Pa No Ye No Ye No Ye No Sequired: EXISTING 1 1 1 Cy Classification(s	rtial Ye Ye S	S NFI S I III Flood Hazard Ar Yes (Contact the procedure) Gross Building Ar NEW ALLOWABLE A S A-4 C	PA 13 ea: le local inspectes and require ea Table (SQ FT) AREA A-5	Wet Dry No Yes tion jurisdiction for ments.)	n Additional SUB-TOTAL
Sprinklers: Standpipes: FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupance Assembly Business Educational Factory Hazardous	No Pa No Ye No Ye No Ye No Ye No A-1	rtial	ALLOWABLE A Low Deflagrate 2 Low Deflagrate 2 Log 2 Deflagrate 2 Log 2 Deflagrate 2 Log 2 Deflagrate	PA 13 III ea: le local inspectes and require ea Table (SQ FT) AREA A-5 H-3 Combust	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health	n Additional SUB-TOTAL
Sprinklers: Standpipes: FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupance Assembly Business Educational Factory Hazardous	No Pa No Ye No Ye No Ye No Ye No A-1 F-1 Moderat H-1 Detonat I-1 Condition I-2 Condition I-3 Condition	rtial	ALLOWABLE A Low Deflagrate 2 Deflagrate NF NF III Flood Hazard Ar Procedure Procedure NEW NE	PA 13 ea: le local inspectes and require ea Table (SQ FT) AREA A-5	Wet Dry No Yes tion jurisdiction for ments.)	n Additional SUB-TOTAL
Sprinklers: Standpipes: Standp	No Pa No Ye No Ye No Ye No Ye No A-1	rtial	ALLOWABLE A Low Deflagrate 2 Low Deflagrate 2 Log 2 Deflagrate 2 Log 2 Deflagrate 2 Log 2 Deflagrate	PA 13 III ea: le local inspectes and require ea Table (SQ FT) AREA A-5 H-3 Combust	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health	n Additional SUB-TOTAL
Sprinklers: Standpipes: FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupanc Assembly Business Educational Factory Hazardous Institutional Mercantile	No Pa No Ye No Ye No Ye No Ye No A-1 F-1 Moderat H-1 Detonat I-2 Condition I-2 Condition I-3 Condition I-4	rtial Ye s Class s No [ALLOWABLE A Low Deflagrate 2 Low Deflagrate 2 Deflagrate 2 D 3	PA 13 III ea: le local inspectes and require ea Table (SQ FT) AREA A-5 H-3 Combust	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health	n Additional SUB-TOTAL
Sprinklers: Standpipes: Standpipes: Sire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupant Assembly Business Educational Factory Hazardous Institutional Mercantile Residential	No Pa No Ye No Ye No Ye No Ye No A-1 F-1 Moderat H-1 Detonat I-1 Condition I-2 Condition I-3 Condition I-4 R-1 R-1 R-1	rtial Ye ye s Class s No []	ALLOWABLE A Low Deflagrate 2 Low 2 Deflagrate 2 2 2 2 3 R-4	PA 13 ea: le local inspectes and require ea Table (SQ FT) AREA A-5 H-3 Combust	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health	n Additional SUB-TOTAL
Sprinklers: Standpipes: Fire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupant Assembly Business Educational Factory Hazardous Institutional Mercantile	EXISTING A-1 H-1 Detonat H-1 Doublitor I-2 Conditior I-3 Conditior I-4 S-1 Moderat S-1 Moderat	rtial Ye so Class so No S (SQ FT) G (SQ FT)	ALLOWABLE A Low Deflagrate 2 Deflagrate 2 C C C C C C C C C C C C C C C C C C	PA 13 ea: le local inspectes and require ea Table (SQ FT) AREA A-5 H-3 Combust 4 High-piled	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health	nspa 13D radditional SUB-TOTAL
Sprinklers: Standpipes: Fire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupant Assembly Business Educational Factory Hazardous Institutional Mercantile Residential Storage	No Pa No Ye No Ye No Ye No Ye No A-1 A-1 A-1 A-1 A-1 Condition I-1 Condition I-2 Condition I-3 Condition I-4 A-1	rtial Ye so Class so No S (SQ FT) G (SQ FT)	ALLOWABLE A Low Deflagrate 2 Low 2 Deflagrate 2 2 2 2 3 R-4	PA 13 ea: le local inspectes and require ea Table (SQ FT) AREA A-5 H-3 Combust 4 High-piled	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health	nspa 13D radditional SUB-TOTAL
Sprinklers: Standpipes: Sire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupanc Assembly Business Educational Factory Hazardous Institutional Mercantile Residential Storage Utility and Mis	EXISTING A-1 H-1 Detonat H-1 Condition I-2 Condition I-3 Condition I-4 R-1 R-1 R-1 R-1 R-1 R-1 R-1 R	rtial Ye s Class s No S (SQ FT) G (SQ FT)	ALLOWABLE A Low Deflagrate 2 Deflagrate 2 C C C C C C C C C C C C C C C C C C	PA 13 ea: le local inspectes and require ea Table (SQ FT) AREA A-5 H-3 Combust 4 High-piled	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health	n Additional SUB-TOTAL
Sprinklers: Standpipes: Sire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupand Assembly Business Educational Factory Hazardous Institutional Mercantile Residential Storage Utility and Minceessory Occupand	EXISTING A-1 H-1 Detonat H-1 Detonat I-2 Condition I-3 Condition I-4 R-1 R-1 R-1 R-1 R-1 R-1 R-1 R	rtial Ye so Class so No S (SQ FT) G (SQ FT)	ALLOWABLE A Low Deflagrate 2	PA 13 ea: le local inspectes and require ea Table (SQ FT) AREA A-5 H-3 Combust 4 High-piled	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health	n Additional SUB-TOTAL
Sprinklers: Standpipes: Sire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupant Assembly Business Educational Factory Hazardous Institutional Mercantile Residential Storage Utility and Mincecessory Occupant Accessory Occupant	No Pa No Ye No Ye No Ye No Ye No Ye No A-1	rtial Ye so Class so No G (SQ FT)	ALLOWABLE A Low Deflagrate 2	PA 13 ea: le local inspectes and require rea Table (SQ FT) AREA A-5 H-3 Combust 4 High-piled d Repair	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health	n Additional SUB-TOTAL
Sprinklers: Standpipes: Standpipes: Sire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupant Assembly Business Educational Factory Hazardous Institutional Mercantile Residential Storage Utility and Micaccessory Occupancidental Uses (Tapecial Uses (Characterist)	EXISTING A-1 H-1 Detonat H-1 Detonat I-2 Condition I-3 Condition I-3 Condition I-4 R-1 R-1 R-1 R-1 R-1 R-1 R-1 R	rtial Ye so Class so No	ALLOWABLE A S Deflagrate 2 Deflagrate 2 Deflagrate 3 R-4 3-2 Low Deflagrate NA N/A N/A N/A	PA 13 ea: le local inspectes and require rea Table (SQ FT) AREA A-5 H-3 Combust 4 High-piled d Repair	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health	n Additional SUB-TOTAL
Sprinklers: Standpipes: Fire District: Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupant Assembly Business Educational Factory Hazardous Institutional Mercantile Residential Storage Utility and Micaccessory Occupancidental Uses (Table) Special Uses (Character) Special Provisions	No Pa No Ye No Ye No Ye No Ye No Ye No FA No Ye No Sequired: EXISTING 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rtial Ye so Class so No	ALLOWABLE A S	PA 13 ea: le local inspectes and require rea Table (SQ FT) AREA A-5 H-3 Combust 4 High-piled d Repair	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health 5 Garage	n Additional SUB-TOTAL
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FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupant Assembly Business Educational Factory Hazardous Institutional Mercantile Residential Storage Utility and Minuccessory Occupant Correctly	No Pa No Ye No Ye No Ye No Ye No Ye No Ye No Sequired: EXISTING 1 1 2 2 2 3 3 4-1 A 3 4 4 4 4 4 4 6 6 7 8-1 Moderat 1-2 Condition 1-2 Condition 1-3 Condition 1-4 1-3 Condition 1-4 1-4 1-4 1-5 1-7 1-7 1-8 1-9 1-9 1-9 1-9 1-9 1-9 1-9 1-9 1-9 1-9	rtial Ye so Class so No So Code So Class s	ALLOWABLE A S	PA 13 ea: le local inspectes and require lea Table (SQ FT) AREA A-5 H-3 Combust 4 High-piled d Repair N/A I: Hr. construction fo	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health 5 Garage Exception: r the building shal	SUB-TOTAL H-5 HPM I be determined by
prinklers: itandpipes: ire District: ipecial Inspection FLOOR 3rd Floor Mezzanine 1st Floor Basement TOTAL rimary Occupand Assembly Business Educational Factory Hazardous Institutional Mercantile Residential Storage Utility and Mincessory Occupancidental Uses (Tapecial Uses (Chapecial Provisions) lixed Occupancy	No Pa No Ye No Ye No Ye No Ye No Ye No Ye No Sequired: EXISTING 1 1 2 2 2 3 3 4-1 A 3 4 4 4 4 4 4 6 6 7 8-1 Moderat 1-2 Condition 1-2 Condition 1-3 Condition 1-4 1-3 Condition 1-4 1-4 1-4 1-5 1-7 1-7 1-8 1-9 1-9 1-9 1-9 1-9 1-9 1-9 1-9 1-9 1-9	rtial Yes S Class S No S	ALLOWABLE A S	PA 13 ea: le local inspectes and require lea Table (SQ FT) AREA A-5 H-3 Combust 4 High-piled d Repair N/A I: Hr. construction for and area limit entire building	Wet Dry No Yes tion jurisdiction for ments.) H-4 Health 5 Garage Exception:	SUB-TOTAL H-5 HPM I be determined by the applicable ctive type of

Actual Area of Occupancy B

Allowable Area of Occupancy B

< 1

_____N/A + _____ N/A + = _____ N/A < 1.00

Actual Area of Occupancy A +

Allowable Area of Occupancy A

STORY NO.	DESCRIPTION AND USE(A)	BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.24 AREA(C)	AREA FOR FRONTAGE INCREASE 1,5	(D) ALLOWABLE AREA PER 2. STORY OR UNLIMITED
First	Aracade	1,650 S/F	N/A	N/A	6,000
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
Total	N/A	1,650 S/F	N/A	N/A	6,000

¹ Frontage area increases from Section 506.3 are computed thus:

- a. Perimeter which fronts a public way or open space having 20 feet minimum width = $\frac{N/A}{A}$ (F)
- b. Total Building Perimeter= N/A (P)
- c. Ratio (F/P) = $\underline{}$ (F/P) d. W = Minimum width of public way = $\underline{}$ (W)
- e. Percent of frontage increase If = $100[F/P 0.25] \times W/30 = \frac{N/A}{4}$ (%) ² Unlimited area applicable under conditions of Section 507.
- ³ Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).
- ⁴ The maximum area of open parking garages must comply with Table 406.5.4. ⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE ¹
Building Height in Feet (Table 504.3) 2	40	16' ±	504
Building Height in Stories (Table 504.4) ³	1	1	504

- ¹ Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
- ² The maximum height of air traffic control towers must comply with Table 412.3.1. ³ The maximum height of open parking garages must comply with Table 406.5.4.

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BUILDING ELEMENT	FIRE	ļ	RATING	DETAIL#	DESIGN# FOR	SHEET # FOR	SHEET#
	SEPARATION DISTANCE	REQ'D	PROVIDED (W/ *	AND SHEET#	RATED ASSEMBLY	RATED PENETRATION	FOR RATED JOINTS
	(FEET)		REDUCTION)				301113
Structural Frame,							
including columns, girders, trusses	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bearing Walls	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exterior	N/A	N/A	N/A	N/A	N/A	N/A	N/A
North	N/A	N/A	N/A	N/A	N/A	N/A	N/A
East	N/A	N/A	N/A	N/A	N/A	N/A	N/A
West	N/A	N/A	N/A	N/A	N/A	N/A	N/A
South	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Interior	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nonbearing Walls and Partitions	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exterior walls							
North	N/A	N/A	N/A	N/A	N/A	N/A	N/A
East	N/A	N/A	N/A	N/A	N/A	N/A	N/A
West	N/A	N/A	N/A	N/A	N/A	N/A	N/A
South	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Interior walls and partitions	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Floor Construction							
Including supporting beams	5	N/A	N/A	N/A	N/A	N/A	N/A
and joists		NI/A	NI/A	NI/A	NI/A	NI/A	NI/A
Floor Ceiling Assembly		N/A	N/A	N/A	N/A	N/A	N/A
Columns Supporting Floors		N/A	N/A	N/A	N/A	N/A	N/A
Roof Construction, including		N/A	N/A	N/A	N/A	N/A	N/A
supporting beams and joists		N/A	N/A	N/A	N/A	N/A	N/A
Roof Ceiling Assembly		N/A	N/A	N/A	N/A	N/A	N/A
Columns Supporting Roof		N/A	N/A	N/A	N/A	N/A	N/A
Shaft Enclosures - Exit		N/A	N/A	N/A	N/A	N/A	N/A
Shaft Enclosures - Other		N/A	N/A	N/A	N/A	N/A	N/A
Corridor Separation							
Occupancy/Fire Barrier Sepa	ration	N/A	N/A	N/A	N/A	N/A	N/A
Party/Fire Wall Separation		N/A	N/A	N/A	N/A	N/A	N/A
Smoke Barrier Separation		N/A	N/A	N/A	N/A	N/A	N/A
Smoke Partition		N/A	N/A	N/A	N/A	N/A	N/A
Tenant/Dwelling Unit/ Sleeping Unit Separation		N/A	N/A	N/A	N/A	N/A	N/A
Incidental Use Separation		N/A	N/A	N/A	N/A	N/A	N/A

*Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

LIFE SAFETY SYSTEM REQUIREMENTS

mergency Lighting:	☐ No ☐ Yes	
xit Signs:	☐ No ☐ Yes	
ire Alarm:	No Yes	
moke Detection Systems:	☐ No ■ Yes	☐ Partia
Carbon Monoxide Detection:	☐ No ■ Yes	

	OCCUPANT LOAD AND EXIT WIDTH			(THIS SECTION REQUIRED FOR ALL PROJECTS)						
	(a)	(b)	(a/b)	(0)	E	EXIT WIDTH (i	2,3,4,	,5	
USE GROUP AND/OR SPACE DESIGNATION	SQ. FT. PE	AREA PER	NUMBER OF	EGRESS WIDTH PER OCCUPANT (SECTION 1005.1)		REQUIRED WIDTH (SECTION 1005.1) (a/b)(c)		ACTUAL WIDTH SHOWN ON PLANS		
		OCCUPANT	OCCUPANTS	STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL	
Game Room	802	11	73		0.20		14.6		72	
Game Room	200	100	2		0.20		0.40		72	
TOTAL # OF OCCUPANTS	1002		75						110	

1 See Table 1004.1.1 to determine whether net or gross area is applicable
2 Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1)

Minimum width of exit passageway (Section 1023.2)
 The loss of 1 means of egress shall not reduce the availability capacity to less than 50% of the total req'd (Sect 1005.1)
 Assembly occupancies (Section 1028)

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: _____ A1.0

- Fire and/or smoke rated wall locations (Chapter 7)
- Assumed and real property line locations (if not on the site plan)
- Exterior wall opening area with respect to distance to assumed property lines (705.8)
 Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- Occupant loads for each area
- Exit sign locations (1013)
- Exit access travel distances (1017)
- Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- Dead end lengths (1020.4)
- Clear exit widths for each exit door

 Maximum calculated occupant load capacity each exit door can accommodate based on egress
- width (1005.3)
 Actual occupant load for each exit door
- A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for
- purposes of occupancy separation

 Location of doors with panic hardware (1010.1.10)
- Location of doors with panic hardware (1010.1.10)

 Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- Location of doors with electromagnetic egress locks (1010.1.9.9)
- Location of doors equipped with hold-open devices
- Location of emergency escape windows (1030)

 The square footage of each fire area (202)
- The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
- Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS

(SECTION 1107)									
UNIT CLASSIFICATION	TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

ACCESSIBLE PARKING

		(SECTION)	ON 1106)		
LOT OR PARKING AREA	TOTAL # OF PAI	RKING SPACES	# OF ACCESSIBLE S	SPACES PROVIDED	TOTAL #ACCESSIBLE
	REQUIRED	PROVIDED	96" SPACES	132" SPACES	
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
TOTAL	-	-	-	-	-

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

/TUPO												
WALE FEWALE UNISEA ACCESSION	U	SE	W	ATER CLOS		LAVATORIES				SHOWERS	DRINKING	FOUNTAINS
SPACE EXIST'G 1 - 1 - <td< td=""><td></td><td></td><td>MALE</td><td>FEMALE</td><td>UNISEX</td><td>URINALS</td><td>MALE</td><td>FEMALE</td><td>UNISEX</td><td>/TUBS</td><td>REGULAR</td><td>ACCESSIBLE</td></td<>			MALE	FEMALE	UNISEX	URINALS	MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE
	SPACE	EXIST'G	1	-	1	-	1	-	-	-	-	-
NEW - 1 1 1 1		NEW	-	1	-	-	-	1	1	-	-	-
REQ'D 1 1 0 - 1 1 1		REQ'D	1	1	0	-	1	1	1	-	-	-

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)
DESIGN LOADS:

Ground Snow Load: ________ psf

Wind Load: Ultimate Wind Speed ________ mph (ASCE-7)
Exposure Category _______ B____

□ A □ B ■ C □ D SEISMIC DESIGN CATEGORY: Provide the following Seismic Design Parameters: Risk Category (Table 1604.5) Spectral Response Acceleration Site Classification (ASCE 7) Data Source: Field Test Presumptive Historical Data ☐ Dual w/Special Moment Frame Bearing Wall Basic structural system ☐ Dual w/Intermediate R/C or Special Steel ☐ Building Frame ☐ Moment Frame ☐ Inverted Pendulum Simplified Equivalent Lateral Force Dynamic Analysis Procedure: Architectural, Mechanical, Components anchored? Yes No

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) N/A psf
Presumptive Bearing capacity 2,000 psf
Pile size, type, and capacity N/A

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Building heating load: ___10 KW___

Building cooling load: ___34,000 BTU

Mechanical Spacing Conditioning System

Unitary

description of unit:

heating efficiency:

cooling efficiency:

size category of unit:

Boiler

Size category. If oversized, state reason.:

Unitary

TRANE (1) 3.0 Ton Heat Pump

194%

94%

94%

Size category of unit:

Boiler

Size category. If oversized, state reason.:

N/A

List equipment efficiencies:

N/A

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS ELECTRICAL DESIGN

(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code

ASHRAE 90.1 ■ Performance □ Prescriptive
□ Prescriptive

Lighting schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture

total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)

C406.2 More Efficient HVAC Equipment Performance
C406.3 Reduced Lighting Power Density
C406.4 Enhanced Digital Lighting Controls
C406.5 On-Site Renewable Energy
C406.6 Dedicated Outdoor Air System

C406.7 Reduced Energy Use in Service Water Heating

SEAL 054271 7/24/25 WGINEER DILLE

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email: kevincoledesigns@gmail.com

website: https://kcadesignstudios.net

Architect

Lic #: 54393

Name:

REVISIONS

No. Date Action

4318 Ray Road Spring Lake NC

DRAWING NAME

Appendix B

Drawn By : TP
Checked By : TP
Issue Date : 08/13/19
Scale :
Job No. : 01102500

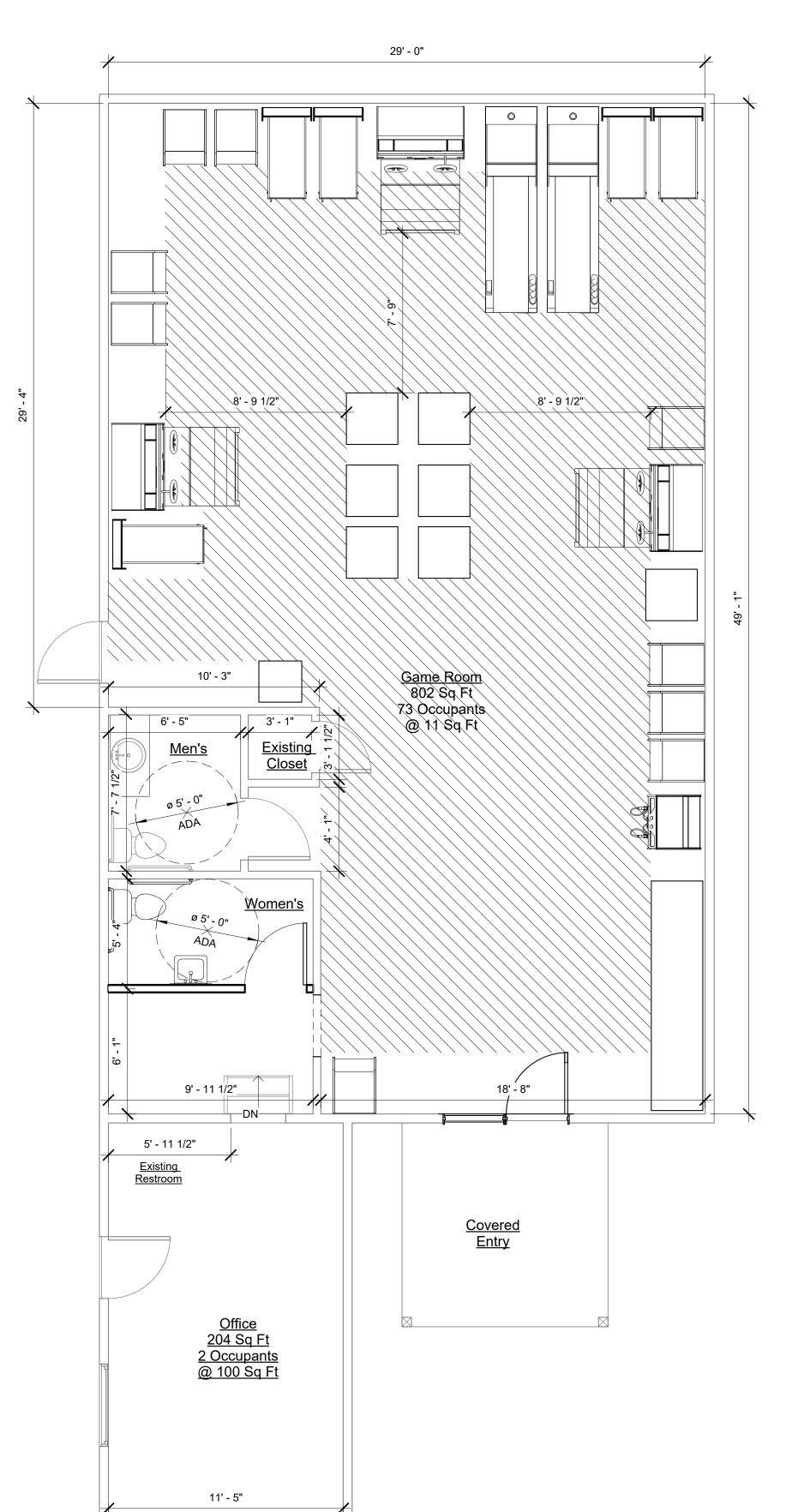
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A-1.U

SEAL

OF SIGN STUDIOS

OF SIG



1 Floor Plan 1/4" = 1'-0"

Floor Plan Notes:

All structural information shown for reference purposes only. Contractor shall have licensed structural engineer review and design all structural elements such as all framing walls, beams, connections, headers, joists and rafters.
 All dimensions are from center line of stud to face of exterior stud unless noted otherwise.

3. Window sizes indicated on plans are noted by approximate rough opening size. Refer to plans and exterior elevations for window types.4. Coordinate location of utility meters with site plan and locate away from public view visual impact shall be minimized,

i.e. mount as low as possible.
5. Do not scale drawings. Follow dimensions only.

6. Contractor shall field verify all cabinet dimensions before fabrication.7. All glass located within 18" of floor, 12" of a door of located within 60" of floor at bathtubs, whirlpools, showers, saunas, steam rooms or hot tubs shall be tempered.

8. All exposed insulation shall have a floam e spead rating of less than 25 and a smoke density rating of less than 450.
9. Provide combustion air vents, with screen and back damper, for fireplaces, wood stoves and any appliance with an open flame.
10. Bathrooms and utility rooms shall be vented to the outside with a minimum of a 90 cfm fan. Range hoods shall also

be vented to outside.

11. Attic HVAC units shall be located within 20'-0" of its service opening. Return air grilles shall not be located within

12. All walls and ceilings in storage areas to have 5/8" Type-X gyp. brd. with 1-Hour fire rating.

13. All interior walls shall be covered with 1/2" gyp. brd., with metal corner reinforcing, tape float and sand. (3 coats) use

5/8" gyp. brd. on ceilings when supporting members are 24" O.C. or greater. Use 1/2" gyp. brd. on ceiling members less

5/8" gyp. brd. on ceilings when supporting members are 24" O.C. or greater. Use 1/2" gyp. brd. on ceiling members less than 24" O.C.

14. All bath and toilet area walls and ceiling shall have water resistant gyp. brd. or FRP

GENERAL CONSTRUCTION NOTES: 1. Design Loads: Local

10'-0" of a gas fired appliance.

2. Materials

A. Brick
Face Brick Standard: ASTM C216-84, Grade SW.

Brick type and color to match existing.

B. Mortar ASTM C270, Type S. Mortar style and color consult owner

Do not use calcium chloride in mortar.

C. Brick Ties

ASTM A82 steel wire, hot dip galvanized after fabrication to ASTM A 153/A 153M, Class B

D. Insulation ASTM C665; pre-formed glass fiber batt (R-19)
E. Wood Framing No wood framing shall be used for partition wall framing

F. Waterproofing #15 asphalt felt G. Roof Shingles Match existing

3. Masonry:A. Install mortar in accordance with premix mortar instructions or in accordance with ASTM C780.

B. Clean mortar off exposed finished surfaces immediately following placement.
C. Conform to the applicable code requirements for masonry construction and guidelines outlined by the Brick Institute of America.
D. Provide brick ties.

E. Cut masonry units with motor-driven saws to provide clean, sharp, unchipped edges.

F. Prepare masonry surfaces so they are smooth and free from projections that could puncture flashing. Place through-wall flashing on sloping bed of mortar and cover with mortar. Seal penetrations in flashing with adhesive/sealant/tape as recommended by flashing manufacturer before covering with mortar.

G. Install weep holes in the head joints in exterior wythes of the first course of masonry immediately above embedded flashings as follows:

Keep head joints free and clear of mortar.Space weep holes 24 inches o/c.

H. Weep Holes:

I. After wall construction is complete, clean brick with a non-acidic solution recommended by masonry unit manufacturer.

Insulation A. Verify that adjacent materials and insulation materials are dry.

B. Install insulation per manufacturer's instructions.

C. Tape seal tears or cuts in vapor retarder.

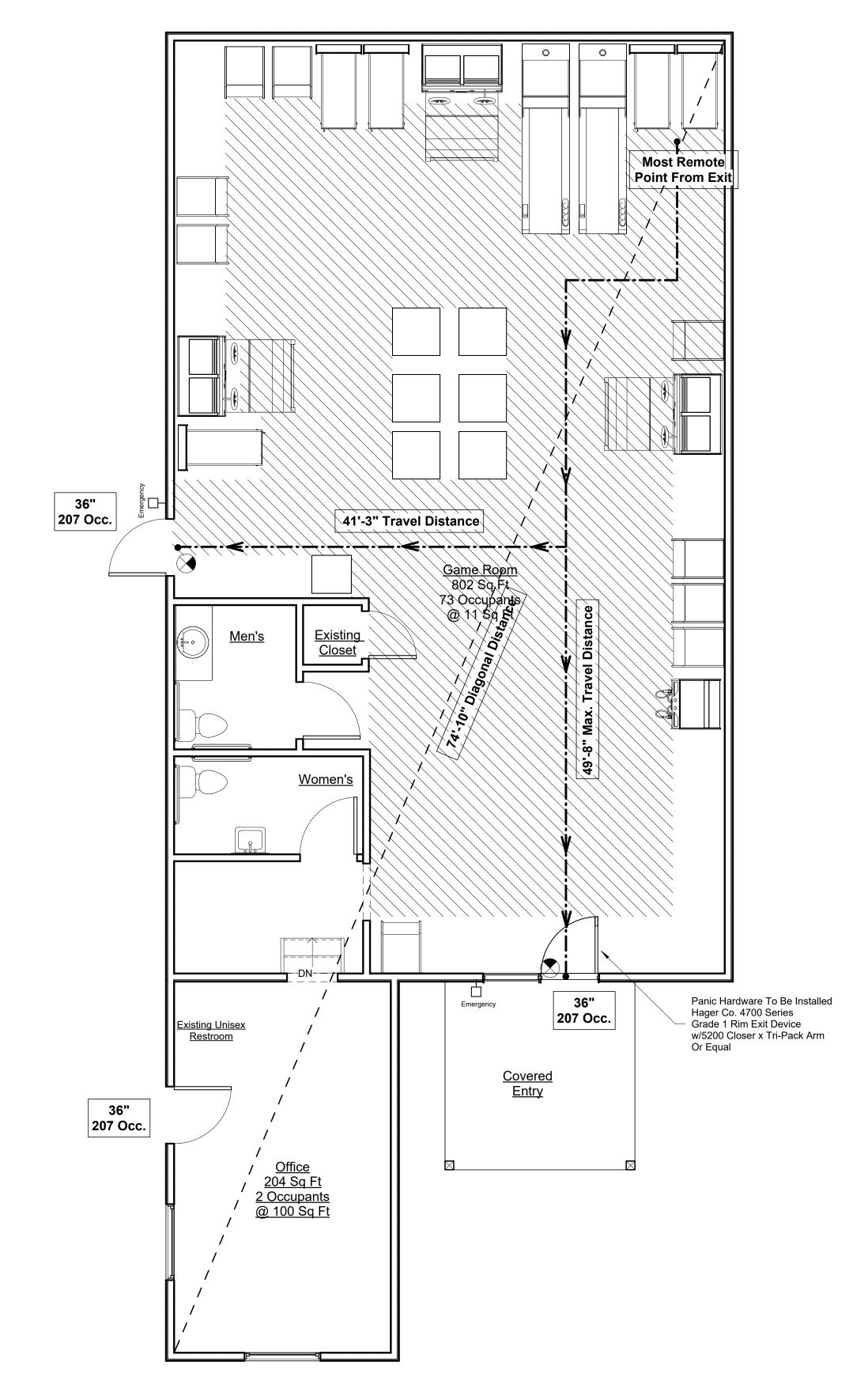
5. Wall Framing

A. All wall studs shall be metal studs according to sizes designated on drawing.

6. Miscellaneous

A. The contractor will be responsible for properly guying and bracing the structure to resist live, dead, wind and construction loads during construction.

B. Verify all existing building dimensions, elevations and details with the field conditions.



2 Life Safety Plan 1/4" = 1'-0" NC.

08/12/19 1/4" = 1'-0"

01102500001

SEAL

CONSULTANTS

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054271 7/24/25

REVISIONS

No. Date Action

Ray

4318

DRAWING NAME

Floor Plan

Drawn By Checked By

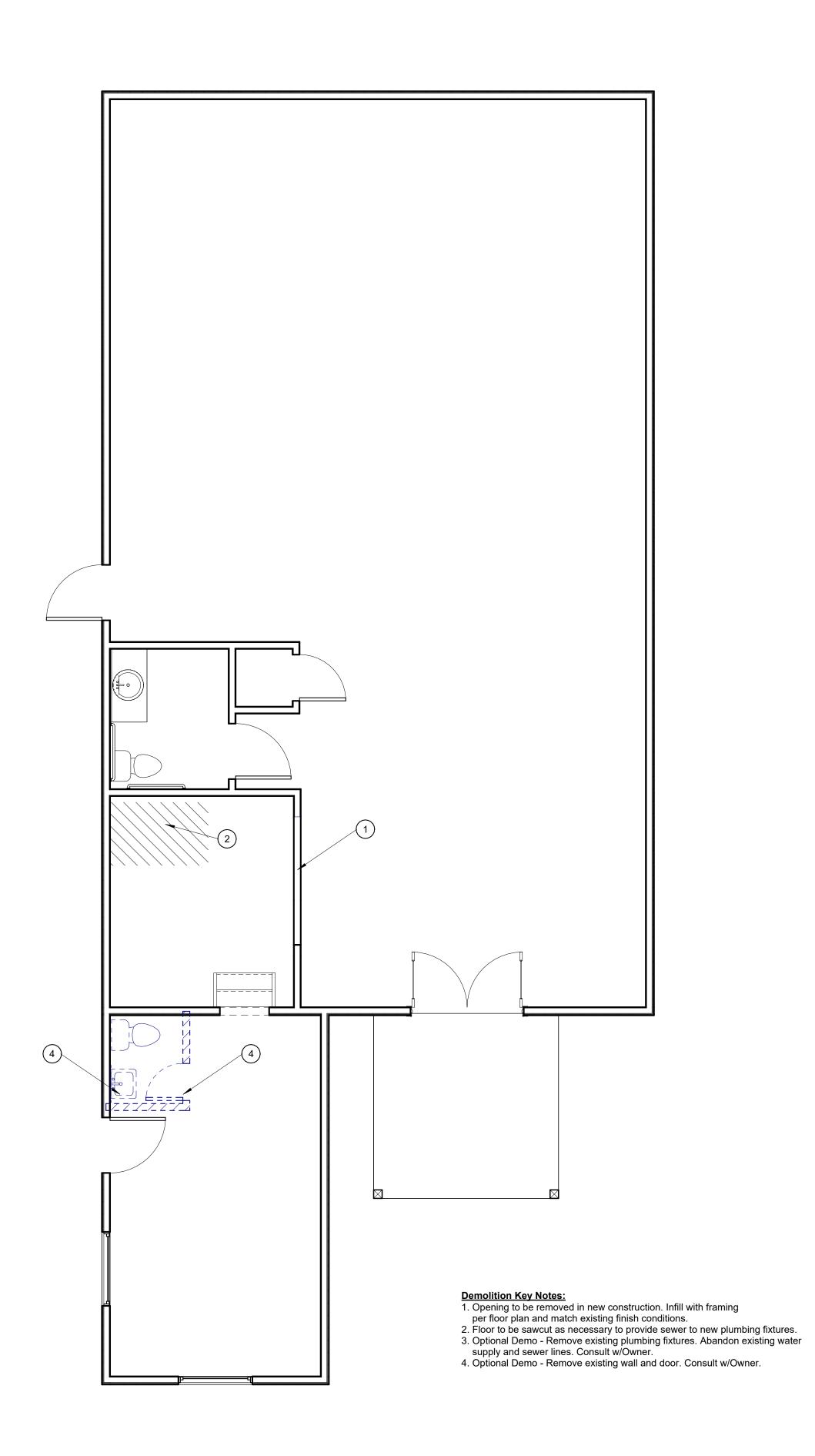
Issue Date

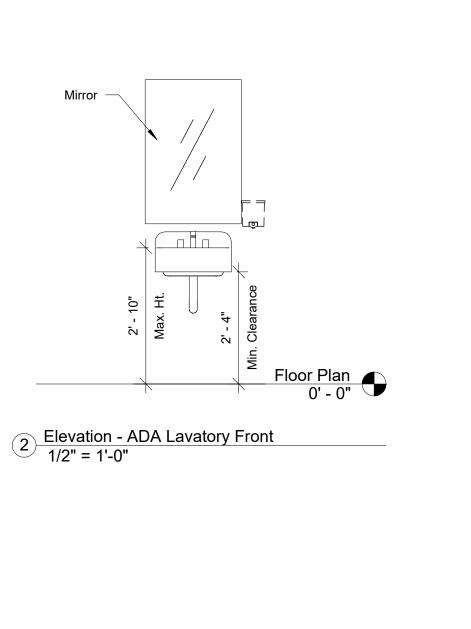
Job No.

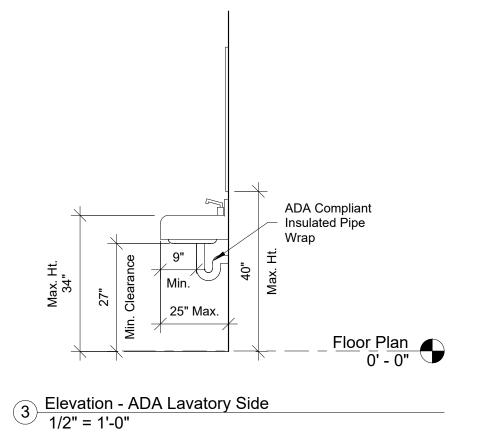
Addr: 7038 Rockridge Lane

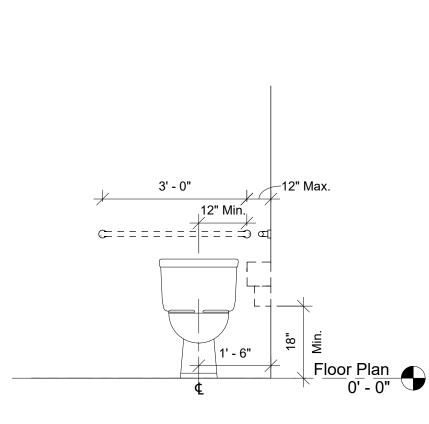
Phone: 305-748-7291

Architect
Name:
Lic #: 54393

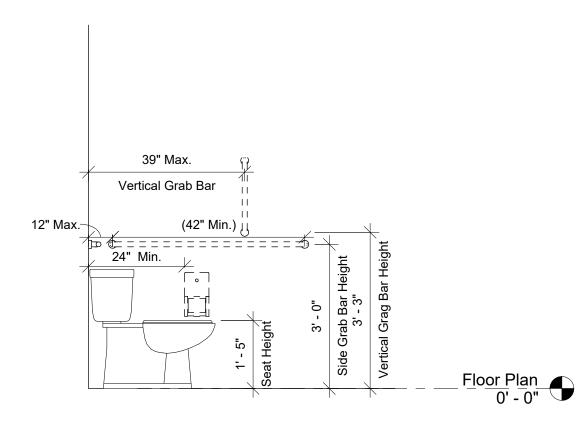












DRAWING NAME

4318 Ray Road

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SEAL
054271
7/24/25
WGINEER

REVISIONS

No. Date Action

oring Lake NC

Architect

Demolition Plan

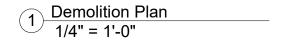
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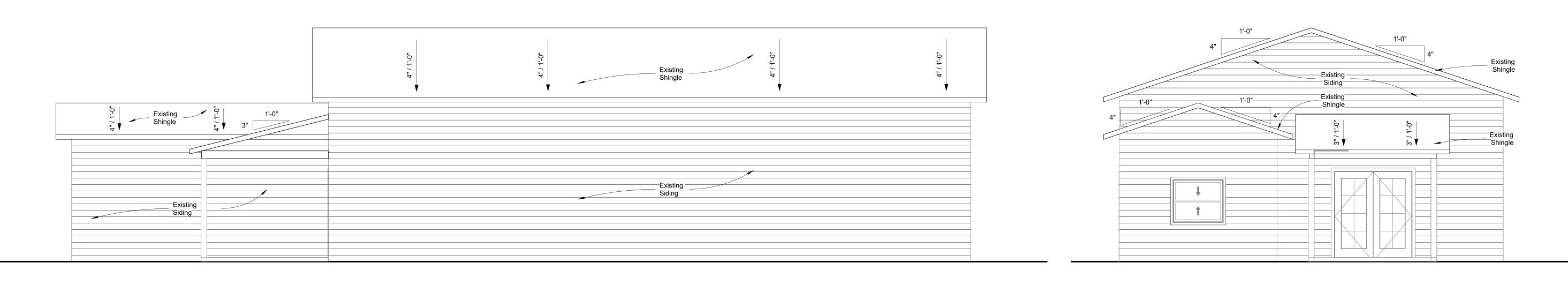
: TP : TP : 08/12/19 : As indicated : 01102500001

A-2.1

SEAL







Existing Single Single

1 South 1/4" = 1'-0"

4 East 1/4" = 1'-0"



REVISIONS									
No. Date Action									

318 Ray Road Spring Lake NC	Enter address here
4318	
	4318 Ray Road Spring Lake NC

DRAWING NAME

Elevations



: TP : TP : 08/12/19 : 1/4" = 1'-0" : 01102500001

A-2.2



PLUMBING NOTES: PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA PLUMBING CODE 2012 EDITION AND

ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE GENERAL CONTRACTOR AND OWNER TO SUIT THE OWNER'S OPERATING CONDITIONS.

PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE GENERAL CONTRACTOR OF ANY DEVIANCES FROM THE CONTRACT DRAWINGS PRIOR TO STARTING ANY WORK.

THE PLUMBING CONTRACTOR SHALL COORDINATE WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE. THINK OF OTHER CONTRACTORS AND THEIR REQUIREMENTS IN VERTICAL CHASES AND WALL MOUNT SPACE. ALL CONTRACTORS TO FOLLOW THIS ORDER OF PRIORITY:

1. STORM AND SANITARY SEWER LINES 2. DUCTWORK AND HVAC SYSTEMS

3. HOT AND COLD WATER LINES

4. RIGID CONDUIT 5. CABLE

THE PLUMBING CONTRACTOR TO ORGANIZE HIS PIPING IN ATTIC SPACES, CRAWL SPACES, AND ABOVE CEILINGS. MAKE RUNS PARALLEL, PERPENDICULAR, AND GROUPED TOGETHER WHERE POSSIBLE. LOCATE MAJOR GROUPINGS OVER HALLWAYS AND AREAS OF PUBLIC ACCESS IF POSSIBLE. FREE RUNS OF PIPING IS NOT ACCEPTABLE.

THE PLUMBING CONTRACTOR SHALL LAY OUT AND INSTALL HIS WORK IN ADVANCE OF POURING CONCRETE FLOORS OR WALLS. HE SHALL FURNISH ALL SLEEVES TO THE GENERAL CONTRACTOR FOR OPENINGS THROUGH POURED MASONRY FLOORS, OR WALLS, ABOVE GRADE REQUIRED FOR PASSAGE OF ALL PIPES TO SUPPORT HIS

HORIZONTAL DRAINAGE AND WASTE PIPE SHALL HAVE A MINIMUM SLOPE OR FALL OF 1/8 INCH PER FOOT. ALL CHANGE OF HORIZONTAL DIRECTIONS IN SOIL WASTE PIPE SHALL BE MADE WITH LONG RADIUS FITTINGS WITH "Y"

COLD AND HOT WATER PIPING ABOVE GRADE SHALL BE TYPE "L" HARD DRAWN COPPER TUBING CONFORMING TO ASTM B-88 WITH SWEAT JOINTS AND WROUGHT OR CAST VALVES AND FITTINGS (UNIONS, STRAINERS, ETC.). JOINT SHALL BE MADE WITH LEAD FREE SOLDER.

ALL HOT WATER PIPING SHALL BE INSULATED WITH 1 INCH THICK SECTIONAL INSULATION OR FIBROUS GLASS MATERIALS WITH FACTORY APPLIED COVER. COVER SHALL BE EMBOSSED VAPOR BARRIER, LAMINATED WITH PRESSURE SEALING CAP ADHESIVE.

ALL COLD WATER PIPING SHALL BE INSULATED WITH 1/2 INCH THICK SECTIONAL INSULATION OR FIBROUS GLASS MATERIALS WITH FACTORY APPLIED COVER. COVER SHALL BE EMBOSSED VAPOR BARRIER, LAMINATED WITH PRESSURE SEALING CAP ADHESIVE.

SANITARY HORIZONTAL WASTE, VENT PIPING, AND FITTINGS ABOVE GRADE SHALL BE SCHEDULE 40 PVC-DWV PIPE-CELLULAR CORE FROM CHARLOTTE PIPE AND FOUNDRY COMPANY OR APPROVED EQUAL, AND MUST MEET OR EXCEED THE REQUIREMENTS OF ASTM F-891, NSF STANDARD NO. 14, AND IAPMO UPC.

ALL WASTE STACK PIPING SHALL BE CAST IRON AND INSULATED FOR SOUND IN WALLS.

ALL WASTE AND STORM PIPING ABOVE CEILING, VERTICAL CHASES, WALLS SHALL BE INSULATED WITH 1/2 INCH THICK SECTIONAL INSULATION OR FIBROUS GLASS MATERIALS WITH FACTORY APPLIED COVER. COVER SHALL BE EMBOSSED VAPOR BARRIER, LAMINATED WITH PRESSURE SEALING CAP ADHESIVE. NO INSULATION REQUIRED IN CRAWL SPACE OR BELOW FLOOR SLAB OF ANY WASTE AND STORM PIPING.

IN LIEU OF FIBERGLASS INSULATION, THE PLUMBING CONTRACTOR IS ALLOWED TO USE CLOSED CELL INSULATION, 1/2 INCH THICK ARMSTRONG/ARMAFLEX II ON ALL COLD WATER PIPES. RIGID URETHANE FOAM INSULATION, 1 INCH THICK ARMSTRONG/ARMALOK II ON ALL HOT WATER PIPING.

ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

ALL FIXTURES, DRAINS, TRAPS, ETC. SHALL BE SET PLUMB AND LEVEL.

ALL HANDICAPPED FIXTURES AND TRIM SHALL BE INSTALLED IN ACCORDANCE WITH THE NORTH CAROLINA PLUMBING CODE 2018 EDITION.

CHROME PLATED ESCUTCHEONS SHALL BE PROVIDED AT EACH WALL PENETRATION.

ESCUTCHEONS SHALL BE CHROME PLATED, SPRING TYPE, ON ALL PIPES PASSING THROUGH WALLS AND CEILINGS IN FINISHED AREAS. FLOOR ESCUTCHEONS SHALL BE CAST BRASS, CHROME PLATED, WITH SET SCREW.

ESCUTCHEONS SHALL BE OF SUFFICIENT SIZE TO COVER OUTSIDE DIAMETER OF THE PIPE OR THE INSULATION

FLASHING FOR VENTS THROUGH THE ROOF SHALL BE TWO-PIECE TYPE, 16 OUNCE COPPER COUNTER FLASHING

AND BASE FLASHING, OR A TWO-PIECE TYPE, 4 POUND LEAD COUNTER FLASHING AND BASE FLASHING. THE BASE FLASHING SHALL BE INSTALLED BY THE GENERAL CONTRACTOR WITH THE ROOF SYSTEM. VENT FLASHING SHALL EXTEND DOWN AT LEAST 4 INCHES FROM THE TOP OF THE PIPE. FLASHING SHALL EXTEND

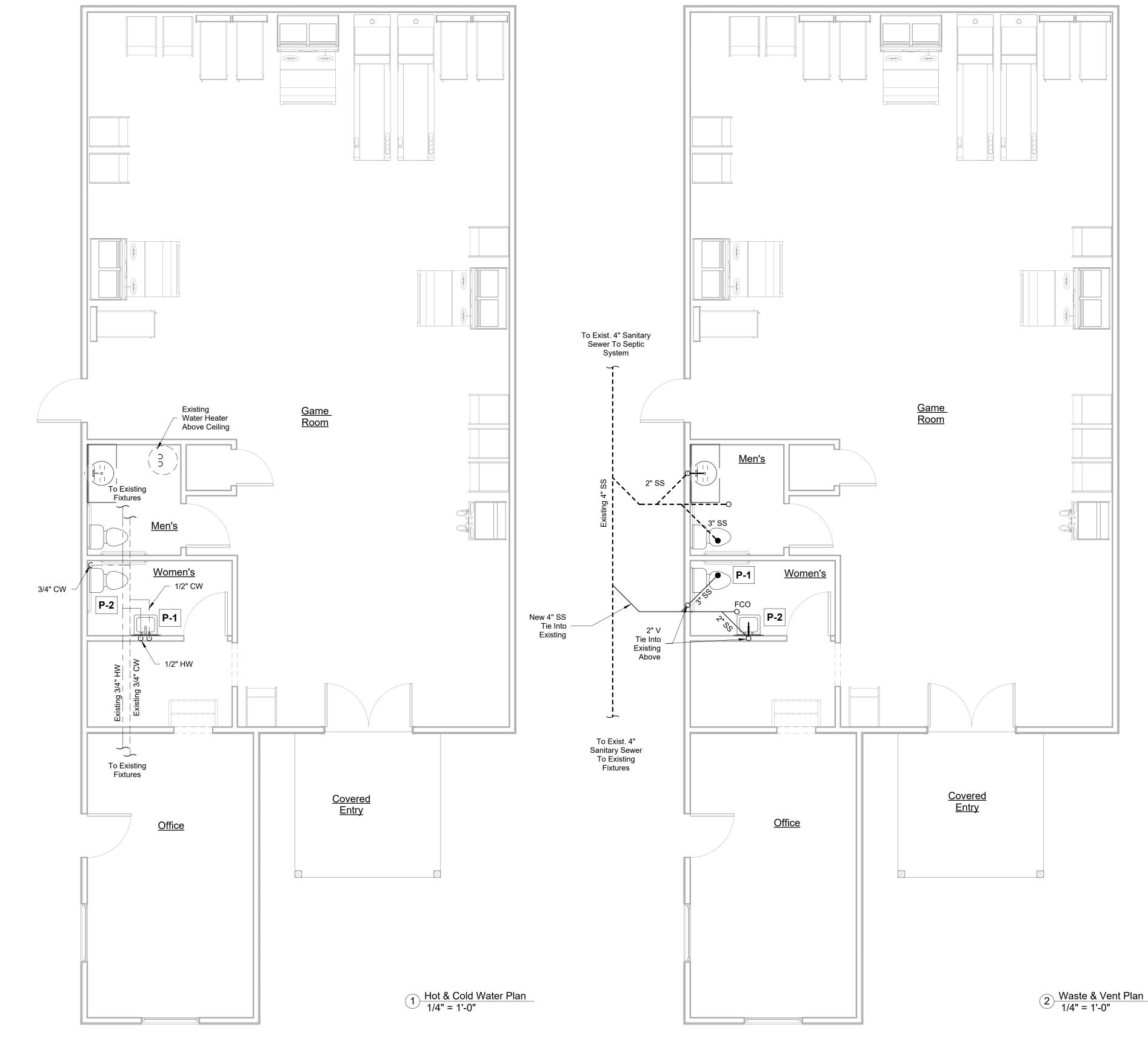
AT LEAST 12 INCHES IN ALL DIRECTIONS FROM THE PIPE AND SHALL BE PARALLEL TO THE ROOF LINE.

ALL EQUIPMENT AND INSTALLED MATERIALS SHALL BE THOROUGHLY CLEAN AND FREE OF ALL DIRT, OIL, GRIT, GREASE, AND ETC.

ALL PLUMBING SYSTEMS AND EQUIPMENT SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE BUILDING FROM THE OWNER.

Scope Of Work: Plumbing

This proposed project includes the installation of new bathroom fixtures. New hot and cold water supply lines to be tied into existing water lines above the ceiling. Existing water heater to remain to serve existing and new fixtures. Sewer drain lines from new fixtures to be tied into existing sanitary sewer to existing septic system. New waste vents to be tied into existing vent thru roof.



		PLUMBING FIX	TURE SCHEDULE			
SYMBOL	FIXTURE DESCRIPTION	FIXTURE MOUNTING	SUPPLY	WASTE	VENT	REMARKS
P1	LAVATORY	WALL MOUNTED	1/2" C.W. /H.W.	2"	1-1/2"	3(4)(5)(8)(10)
P2	ELONGATED BOWL; FLUSH TANK TOILET	FLOOR MOUNTED	3/4" C.W.	3"	2"	12671213

(1) HANDICAPPED (2) VITREOUS CHINA (3) 4 INCH CENTER

(4) SINGLE LIFT MIXING FAUCET (5) VINYL COVERED INSULATION FOR (7) 1.6 GALLONS PER FLUSH (10) CHROME FAUCET FINISH WASTE/WATER PIPING

(6) 16-1/2" HIGH BOWL (8) STAINLESS STEEL

(9) MOUNT BOTTOM OF APRON @ 29" A.F.F. (12) Accessible Fixture (11) 2 GALLON EXPANSION TANK

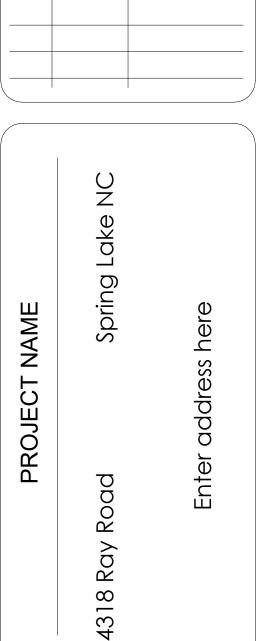
(13) RH Flush

(14) LH Flush

	DRAINAGE CALCULATIONS									
QTY.	ITEM	DRAINAGE FIXTURE UNITS	DRAINAGE FIXTURE UNITS TOTAL							
3	WATER CLOSET	4.0	12.0							
3	LAVATORY	2.0	6.0							
	TOTAL DRAINAGE FIXTURE UNIT	rs -	18.0							

	WATER	CALCUL	ATIONS	
QTY.	ITEM	C.W. FIXTURE UNITS	WATER SUPPLY FIXTURE UNITS EACH	WATER SUPPLY FIXTURE UNITS TOTAL
3	WATER CLOSET	5.0	5.0	15.0
3	HAND SINK (LAVATORY)	1.5	2.0	6.0
	TOTAL WATER SUPPLY FIXTU	RE UNITS		21.0





REVISIONS

No. Date Action

DRAWING NAME

Plumbing Plan

Drawn By Checked By Issue Date Scale Job No.

1/4" = 1'-0" 01102500001

08/12/19

SEAL



EXISTING PACKAGE UNIT <u>Game</u> Room <u>Covered</u> <u>Entry</u> <u>Office</u>

TOTAL CONNECTED LOAD

41.88 KVA 174.5 AMPS

38.83 KVA 161.8 AMPS

2 Power Plan 3/16" = 1'-0"

REC EPTAC LE

EQUIPMENT

ESTANAFETED

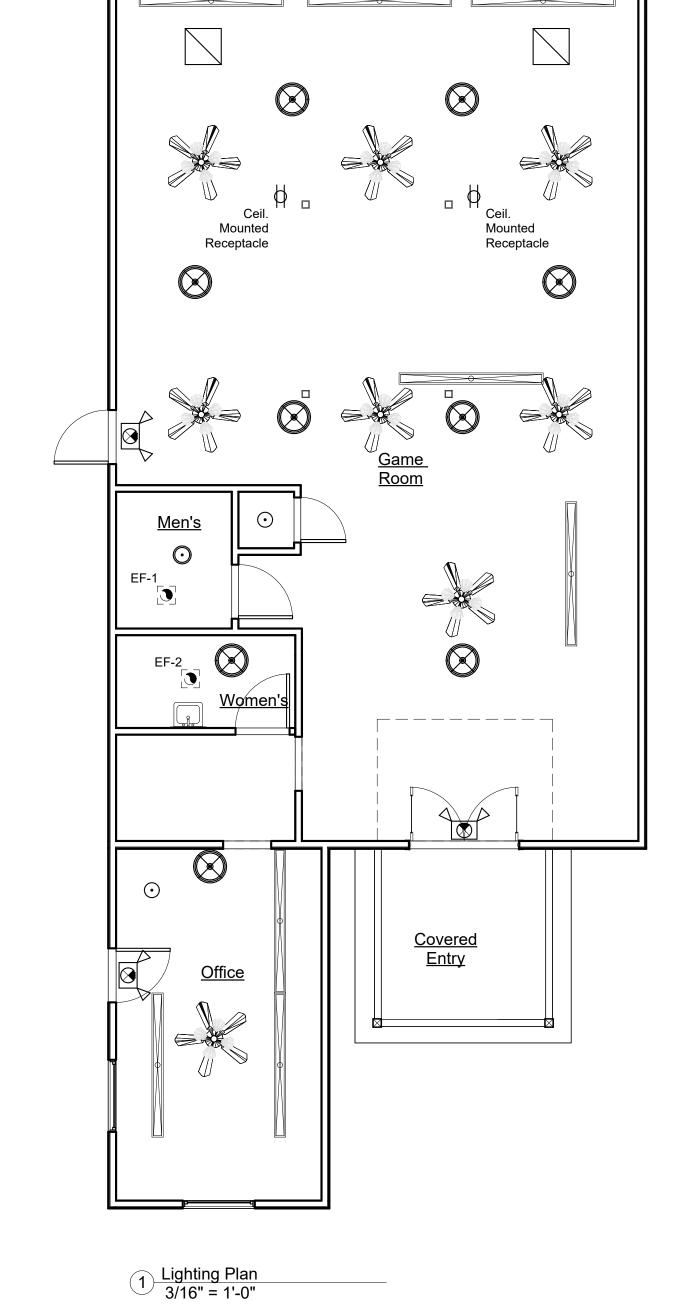
TOTAL OF 22 SPACES

Scope of Work: Electrical

K KITCHEN LOAD

Electrical work consists of the addition of new receptacles using existing circuits to power new game equipment for proposed gaming area. Existing circuits extended to new locations and the existing electrical panel is loaded as shown in panel schedule. New electrical work shall consist of the extension of the existing bathroom lighting circuit to serve new light and exhaust fan in new women's restroom. All other existing electrical to remain in place and in use.

PHA		DESCRIPTION	CKT.	WIRE SIZE	CKT. BKR.	CKT.	A	 В I	CKT.	CKT. BKR.		CKT.	INAL BAR NEUTRAL TERMINAL BAR DESCRIPTION	PHA	(VA) SE DINO
A	В	DECOMI FICH	TYPE	SIZE	TRIP	J			J	TRIP	SIZE	TYPE	BESONII HON	A	В
0.80		Receptacles - Games	E	#12	20/1	1	+		2	20/1	#12	Е	Receptacles - Games	0.80	
	0.80	Receptacles - Games	E	#12	20/1	3			4	20/1	#12	Е	Receptacles - Games		0.8
0.80		Receptacles - Games	E	#12	20/1	5	+		- 6	15/1	#14	Е	Lighting	1.00	
	0.80	Receptacles - Games	E	#12	20/1	7		-	- 8	15/1	#14	Е	Lighting		1.0
0.54		Receptacles	E	#12	20/1	9	+	_	10	00/0	1140	Е	Air O and Hit and a	3.50	
	0.54	Receptacles	E	#12	20/1	11		$\overline{}$	12	30/2	#12		Air Conditioning		3.5
1.80			_	,,,		13	-		14	50/0	"40	_	- 110 / 111	5.00	
	1.80	Water Heater	E	#10	30/2	15			16	50/2	#12	E	RV Outlet		5.0
6.20			_			17	+	_	18	15/1	#14	Е	LIGHTS & EMERGENCY	1.00	
	6.20	Heat	E	#10	40/2	19			20	20/1	#14	Е	P1		1.80
		SPARE				21	+		- 22				SPARE	-	-
10.14	10.14			— SUE	3-TOTAL	_ (VA)			SU	B-TOTAL	_(VA) -			11.30	12.
C H N	HVAC		TIMATED LOA					тот	L CONN	IECTED	LOAD =		43.68 KVA AMPS =182	2.0	-



CONNECTED SAMMARY ESTIMATED LOAD
(KVA) 19.40 @ 100% (KVA) 19.40
3.00 @ 125% = 3.75
5.88 (T-10.00*.60+10.00) = 7.52
13.60 @ 60% = 8.16

Existing Main Panel 200 Amp Existing Meter To Existing Electrical Service

3 Electrical Riser Diagram 12" = 1'-0"

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SEAL 054271 7/24/25

REVISIONS No. Date Action

> PROJECT Road 4318 Ray |

DRAWING NAME

Electrical

Drawn By Checked By Issue Date Scale

Job No.

Checker 02/28/20 As indicated 01102500001

Author

E-1.0

SEAL

Scope Of Work: Mechanical

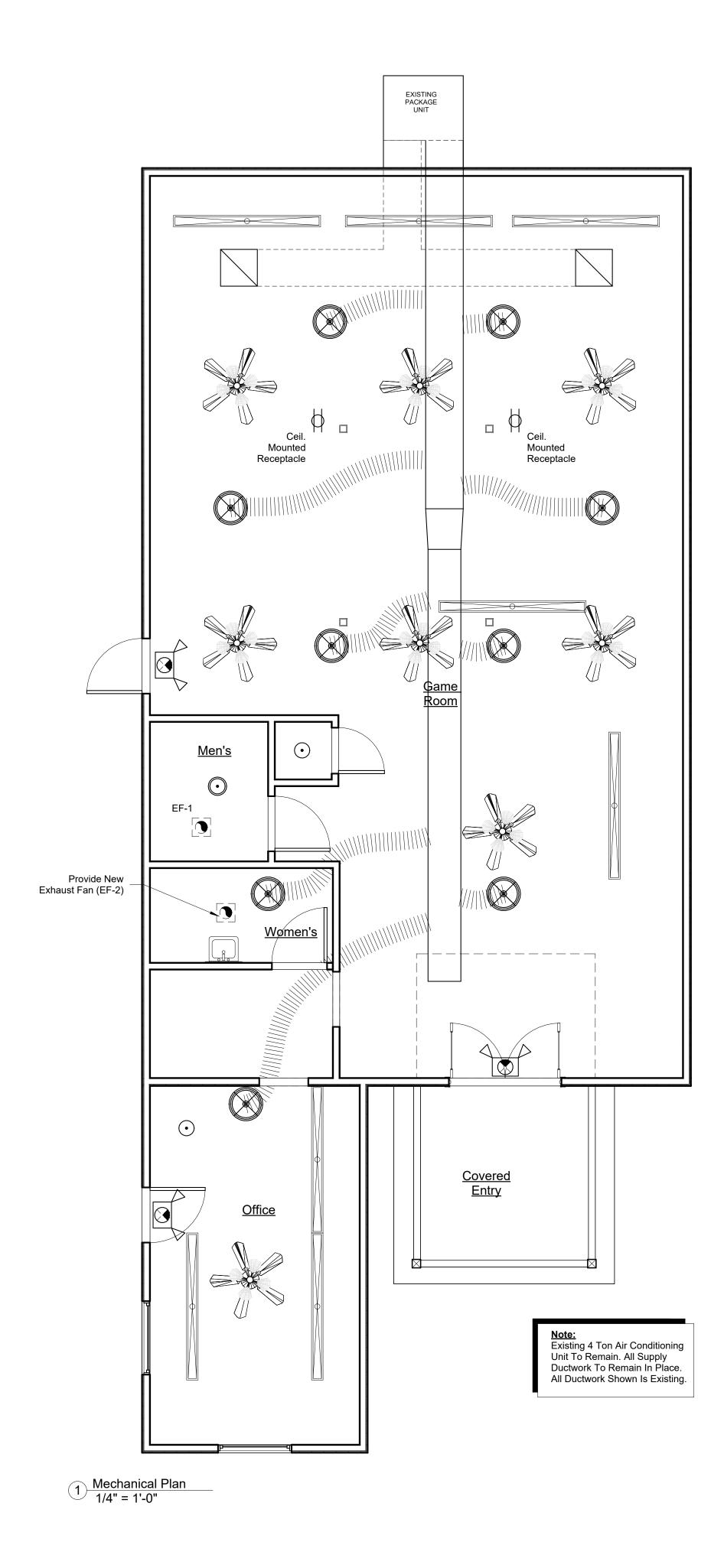
This proposed project includes the installation of new bathroom exhaust fan. All existing mechanical systems, ductwork, and controls to remain in place and in use.

		EXHA	US [*]	ΙE	AN:	SCH	HED	ULI	_		
MARK	LOCATION	SERVICE	CFM	S.P.	WATTS	RPM	VOLT	PHASE	DRIVE	MANUFACTURER MODEL	NOTES
EF-1	CEILING	EXHAUST	100	0.625"	16.4	1050	120	1	DIRECT	EXISTING	
EF-2	CEILING	EXHAUST	100	0.625"	16.4	1050	120	1	DIRECT	GREENHECK SP-A200-QD Or Equal 68-267 CFM	123

 ROOF CAP WITH BIRDSCREEN
 MESH FILTER BACKDRAFT DAMPER
 WIRED FOR CONTINUOUS OPERATION DURING NORMAL HOURS

		C	UTSI	DE A	IR CALCULATIO	N		
OCCUPANCY TYPE:								
ACTUAL I	NUMBER OF	OCCUPANTS	S (Pz)			75 PEOPLE		
NET SQUARE FOOTAGE OF HEATED BUILDING: (Az)								
			BUILDIN	IG EXHA	UST REQUIREMENTS			
EXHAUST REQUIRED (1650 * 0.06)								
TOILET EXHAUST REQUIRED (3 FLUSHING FIXTURES * 150 CFM EACH))								
TOTAL BUILDING EXHAUST AIR REQUIRED								
BUILDING VENTILATION REQUIREMENTS								
PEOPLE	* 7.5 CFM	TABL	E 4.3: 2018 NO	MECH COD	E			
75 PEOP	PLE * 7.5 CFM	/PERSON				563 CFM		
OUTSIDE	E AIR SUB-TO	TAL				1112 CFM		
OUTSIDI	E AIR REQUII	RED = 1112 /	1.0 (EFFECT	IVENESS)		1112 CFM		
			BUILDIN	IG EXHA	UST PROVIDED			
EF-1	EF-2							
100 CFM	100 CFM					200 CFM		
	1		OUTSID	E AIR PF	ROVIDED			
Existing 4	4 TON UNIT				TOTAL	1200 CFM		

Outside Air Calculation
1/4" = 1'-0"



CONSULTANTS

Architect

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REVISIONS

		0
No.	Date	Action

oring Lake NC PROJECT NAME 4318 Ray Road

DRAWING NAME

Mechanical Plan

Drawn By Checked By Issue Date Scale Job No.

TP 12/03/20 1/4" = 1'-0" 01102500001

M-1.0

SEAL

