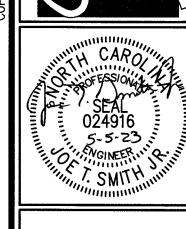
2018 APPENDIX	B BUILDING CODE SUN	1MARY
Name of Project: Word Afire Ministries		ACCESSIBLE PARKING
Address: 1503 Denim Road Erwin, NC Zip Code: 28339	STORY DESCRIPTION BLDG AREA TABLE 506.2 <sup>4</sup> AREA FOR ALLOWABLE FRONTAGE AREA PER STORY OR	(SECTION 1106)  TOTAL # PARKING SPACES # ACCESSIBLE SPACES PROVIDED
Proposed Use: Church	(ACTUAL) INCREASE 1,5 UNLIMITED 2,3 1 Church 6,500 6,000 4,500 10,500	LOT OR PARKING AREA  REQUIRED PROVIDED  REGULAR WITH 5' ACCESS AISLE  132" ACCESS 8' ACCESS SPACES PROVIDED
Owner or Authorized Agent : Vivian Cogdell Phone # E-Mail:		Existing AISLE AISLE
Owned By: City / County	<sup>1</sup> Frontage area increases from Section 506.2 are computed thus:	TOTAL
Code Enforcement Jurisdiction: City State State	a. Perimeter which fronts a public way or open space having 20 feet minimum width = 360' (F) b. Total Building Perimeter = 360' (P)	
LEAD DESIGN PROFESSIONAL: Joe T. Smith, Jr.	c. Ratio (F/P) = $1$ (F/P) d. W = Minimum width of public way = $30$ ' (W) e. Percent of frontage increase $I_f = 100$ [F/P - 0.25] x W/30 = $10$ (%)	PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)
DESIGNER FIRM  NAME  LICENSE # TELEPHONE # E-MAIL  Building  Smith Engineering & Design  Joe T. Smith, Jr. 24916  (919)-736-2141  smithengineeringnc@hotmail.com	<sup>2</sup> Unlimited area applicable under conditions of Section 507.	USE WATER CLOSETS URINALS LAVATORIES UTILITY DRINKING FOUNTAINS MALE FEMALE UNISEX MALE FEMALE UNISEX SINK REGULAR ACCESSIBLE
Civil	<ul> <li>3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).</li> <li>4 The maximum area of parking garages must comply with 406.5.4. The maximum area of air traffic control towers must comply with Table</li> </ul>	EXISTING 0 0 0 0 0 0 0 0 0
Electrical Fire Alarm	412.3.1.  5 Frontage increase is based on the unsprinklered area value in Table 506.2.	NEW         1         4         0         1         2         2         0         0         1         1           REQUIRED         1         2         0         0         1         1         0         0         1         1
Plumbing  Mechanical		
Sprinkler-Standpipe	ALLOWABLE HEIGHT	SPECIAL APPROVALS  Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
Structural  Retaining Walls >5' High	ALLOWABLE SHOWN ON CODE REFERENCE	
Other	Building Height in Feet (Table 504.3) 40'-0" 16'-0"	
2018 NC BUILDING CODE: New Construction Shell/Core 1st Time Interior Completion	Building Height in Stories (Table 504.4)  1 1  1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.	
Addition Phased Construction-Shell Core  2018 NC EXISTING CODE: Prescriptive Alteration Level I Historic Property	1. Trovide code reference if the Shown on Frans quantity is not based on Table 304.5 or 304.4.	STRUCTURAL DESIGN
(check all that apply)	FIRE PROTECTION REQUIREMENTS	DESIGN LOADS: Importance Existing Building
Chapter 14 Mark Alteration Level III  CONSTRUCTED: (date) CURRENT USE(s) (Ch. 3) B	BUILDING ELEMENT  FIRE SEPARATION DISTANCE REQUIRED  PROVIDED (W/ N/A * SHEET # ASSEMBLY PENETRATION)  BUILDING ELEMENT  FOR RATED  DESIGN # FOR RATED FOR RATED RATED	Factors: Snow (I <sub>s</sub> ) Seismic (I <sub>E</sub> )
RENOVATED: (date) PROPOSED USE(s) (Ch. 3) A-3	(FEET) REQUIRED (W. NATED REDUCTION) SHEET # ASSEMBLY PENETRATION JOINTS	Live Loads: Roof  Mezzanine
BUILDING DATA	I I I I I I I I I I I I I I I I I I I	Floor Ground Snow Load:
Construction Type:         ☐ I-A         ☐ II-A         ☐ II-A         ☐ V-A           (check all that apply)         ☐ I-B         ☐ II-B         ☐ III-B         ☑ V-B	Bearing walls  Exterior  North  N/A  0 HOUR  N/A	Wind Loads: Basic Wind Speed  Exposure Category
Sprinklers: NO Partial NFPA 13 NFPA 13R NFPA 13D	East N/A 0 HOUR N/A West N/A 0 HOUR N/A	
Primary Fire District: NO YES (Primary) Flood Hazard Area: No YES	South         N/A         0 HOUR         N/A           Interior         0 HOUR         0 HOUR	SEISMIC CATEGORY A B C D
Special Inpections Required: NO YES	Nonbearing walls and partitions  Exterior	Provide the following Seismic Design Parameters:  Occupancy Category (Table 1604.5)   I II III IV
GROSS BUILDING AREA TABLE	North         >30'         0 HOUR         0 HOUR           East         >30'         0 HOUR         0 HOUR	Spectral Response Acceleration S <sub>S</sub> %g S <sub>1</sub> %g Site Classification (ASCE-7)
FLOOR EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL  3th Floor	West         >30'         0 HOUR         0 HOUR           South         >30'         0 HOUR         0 HOUR	Data source: Field Test Presumptive Historical Data  Basic Structural System: (check one)
2nd Floor Mezzanine	Interior walls and partitions 0 HOUR 0 HOUR  Floor Construction 0 HOUR 0 HOUR	☐ Bearing Wall ☐ Dual W/ Special Moment Frame
1stFloor (Upper Level) 6,500 0 6,500	including supporting beams and joists  Roof Construction including supporting beams and joists  O HOUR  O HOUR	☐ Building Frame ☐ Dual W/ Intermediate R/C or Special Steel ☐ Moment Frame ☐ Inverted Pendulum
Basement (Lower Level)	Roof Ceiling Assembly N/A N/A Columns Supporting Roof 0 HOUR 0 HOUR	Analysis Procedure: Simplified Equivalent Lateral Force Dynamic
ALLOWABLE AREA	Shafts Enclosures - Exit N/A N/A N/A N/A N/A N/A	Architectural, Mechanical, Components Anchored?
Primary Occupancy:  THIS TENANT SPACE = 3,381 SQ.FT.	Corridor Separation O HOUR O HOUR Occupancy/Fire Barrier Separation O HOUR O HOUR	LATERAL DESIGN CONTROL:   Earthquake Wind  SOIL BEARING CAPACITIES:
Assembly A-1 A-2 A-3 A-4 A-5 Business	Party/Fire Wall Separation N/A N/A Smoke Barrier Separation N/A N/A	Field Test (provide copy of test report)psf
Educational	Smoke Partition  N/A  Tenant/Dwelling Unit/ Sleeping Unit  N/A  N/A  N/A  N/A	Presumptive Bearing Capacity psf Pile Size, Type, and Capacity
Hazardous	Incidental Use Separation N/A N/A	SPECIAL INSPECTIONS REQUIRED: Yes No
Institutional I-1 I-2 I I-3 I I-4  I-3 Condition I I I 2	*Indicates section number permitting reduction.  PERCENTAGE OF WALL OPENING CALCULATIONS	ENERGY SUMMARY
I-2 Condition	FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINES PROTECTION (%)  ALLOWABLE AREA ACTUAL SHOWN ON PLANS (%)  (%)  (%)	ENERGY REQUIREMENTS:
Mercantile	(feet) FROM PROPERTY LINES (TABLE 705.8) (%) (%)  >30' Unprotected, Nonsprinklered No Limit <50%	The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.
Residential R-1 R-2 R-3 R-4 Storage S-1 Moderate S-2 Low High-Piled		Existing building envelope complies with code: (If checked, the remainder of this section is not applicable.)
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage  Utility and Misc. ☐		Exempt Building: Provide code or statutory reference:
Accessory Occupancy Classification(s):	Emergency Lighting:  LIFE SAFETY SYSTEM REQUIREMENTS  Emergency Lighting:  No Yes	Climate Zone: 3 4 5 Method of Compliance:
Incidental Uses: (Table 509)  This separation is not exempt as a Nonseparated Use (see exceptions).	Exit Signs: No Yes	Energy Code: Performance Prescriptive Trade-Off  ASHRAE 90.1: Performance Prescriptive Trade-Off
Special Uses: (Chapter 4 - List Code Sections):  Special Provisions: (Chapter 5 - List Code Sections):	Fire Alarm: No Yes Smoke Detection Systems: No Yes	Other: Performance (specify source)
	Carbon Monoxide Detection: No Yes	THERMAL ENVELOPE :  Roof/Ceiling Assembly (each assembly)
Mixed Occupancy: NO YES Secondary occupancy type(s): B Separation: 0 Hour Exception: 508.3  Non-Separated Use (508.3)	LIFE SAFETY PLAN REQUIREMENTS	Description of Assembly
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.  Separated Use (508.4) See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of	Life Safety Plan Sheet #:LF-1	R-value of Insulation
each use divided by the allowable floor area for each use shall not exceed 1.	Assumed and real property line locations  Exterior wall opening area with respect to distance to assumed property lines (705.8)	Skylights in each assemblyU-Value of skylight
$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} = \leq 1.0$	Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)	Total square footage of skylights in each assembly
$\frac{N/A}{N/A} = N/A + \frac{N/A}{N/A} = N/A \le 1.0$	Occupant loads for each area  Exit access travel distances (1017)	Description of Assembly
N/A N/A	Common path of travel distances [Tables 1006.2.1 & 1006.3.2(1)]  Dead end lengths (1020.4)	U-value of Total Assembly
·	Clear exit widths for each exit door  Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)	Openings (windows or doors with glazing)
	Actual occupant load for each exit door	Solar heat gain coefficient:
	☐ 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)	Projection factor:  Door R-Values:
	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)	Walls below grade (each assembly)  Description of Assembly
	Location of doors equipped with hold-open devices	U-value of Total Assembly
	Location of emergency escape windows (1030)  The square footage of each fire area (202)	R-value of Insulation
	☐ 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	Description of Assembly
	ACCESSIBLE DWELLING UNITS	U-value of Total Assembly
	(SECTION 1107)	Floors slab on grade  Description of Assembly
	TOTAL UNITS	U-value of Total Assembly
	N/A REQUIRED FROVIDED REQUIRED FROVIDED PROVIDED	Horizontal/vertical requirement
	1	Slab heated

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REVISIONS

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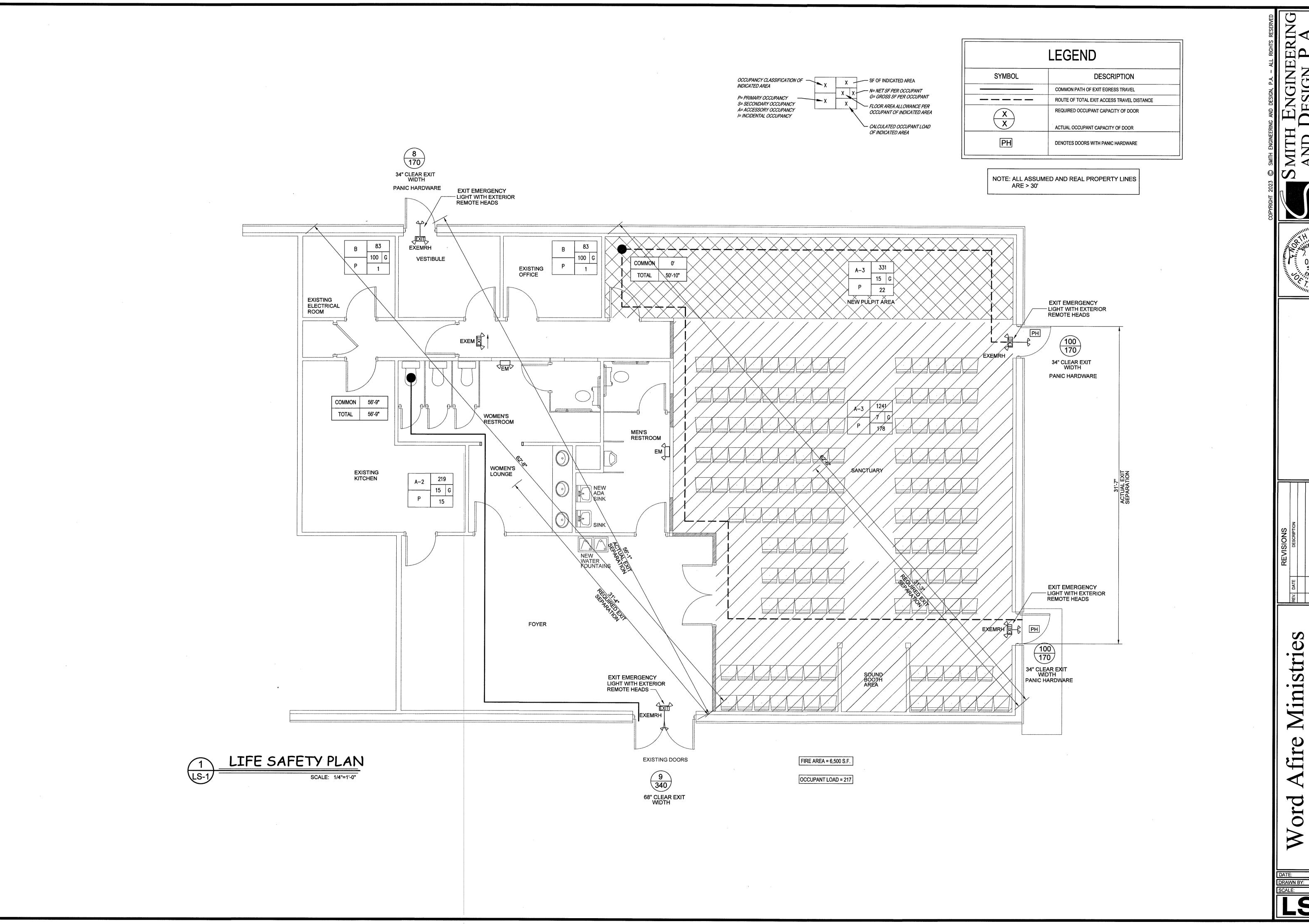
Word Afire Ministries

1503 Denim Road Erwin, NC 28339

DATE: 5 May 2023

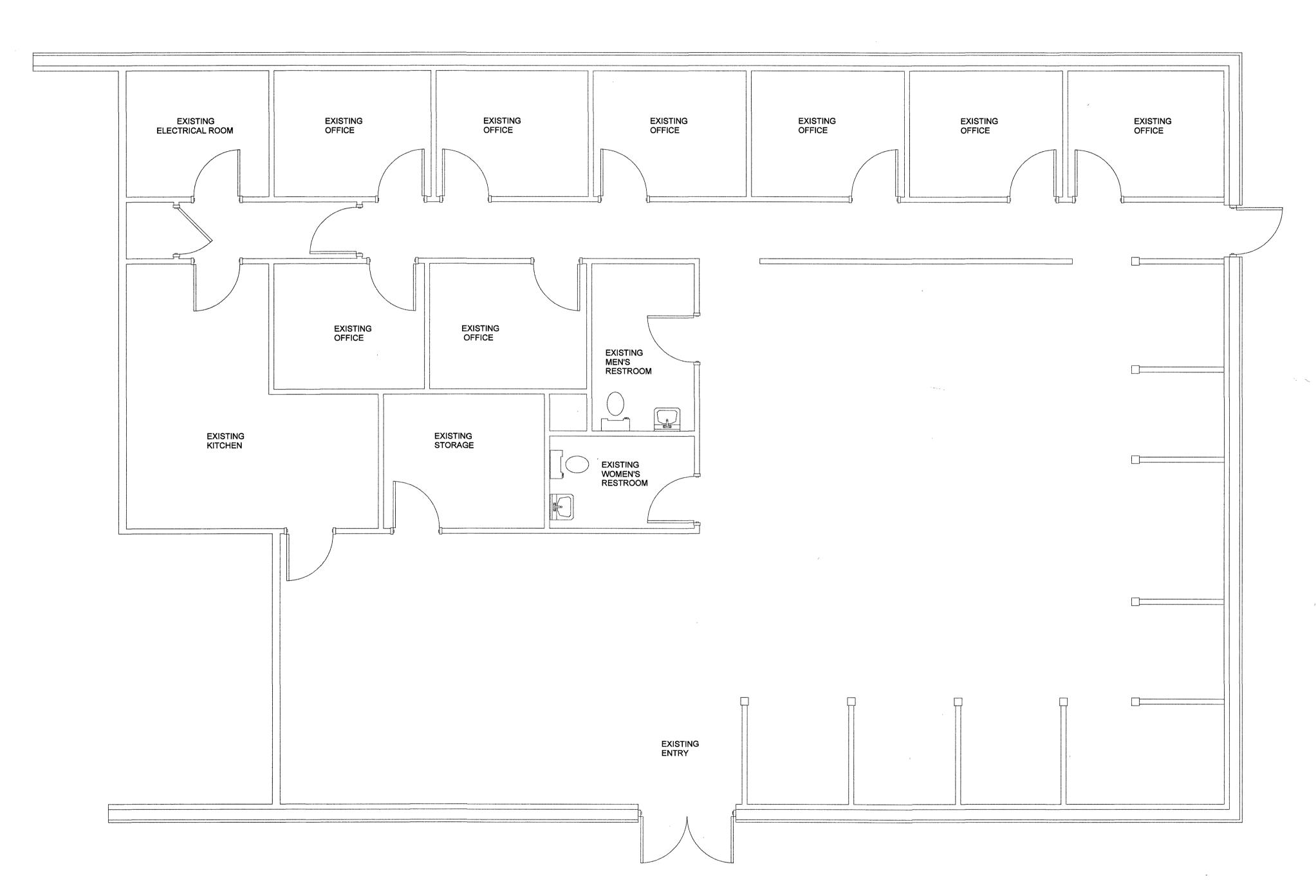
DRAWN BY: J.S.

SCALE: N.T.S.





1503 Denim Road Erwin, NC 28339



1 EXISTING FLOOR PLAN

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

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REV. DATE DESCRIPTION

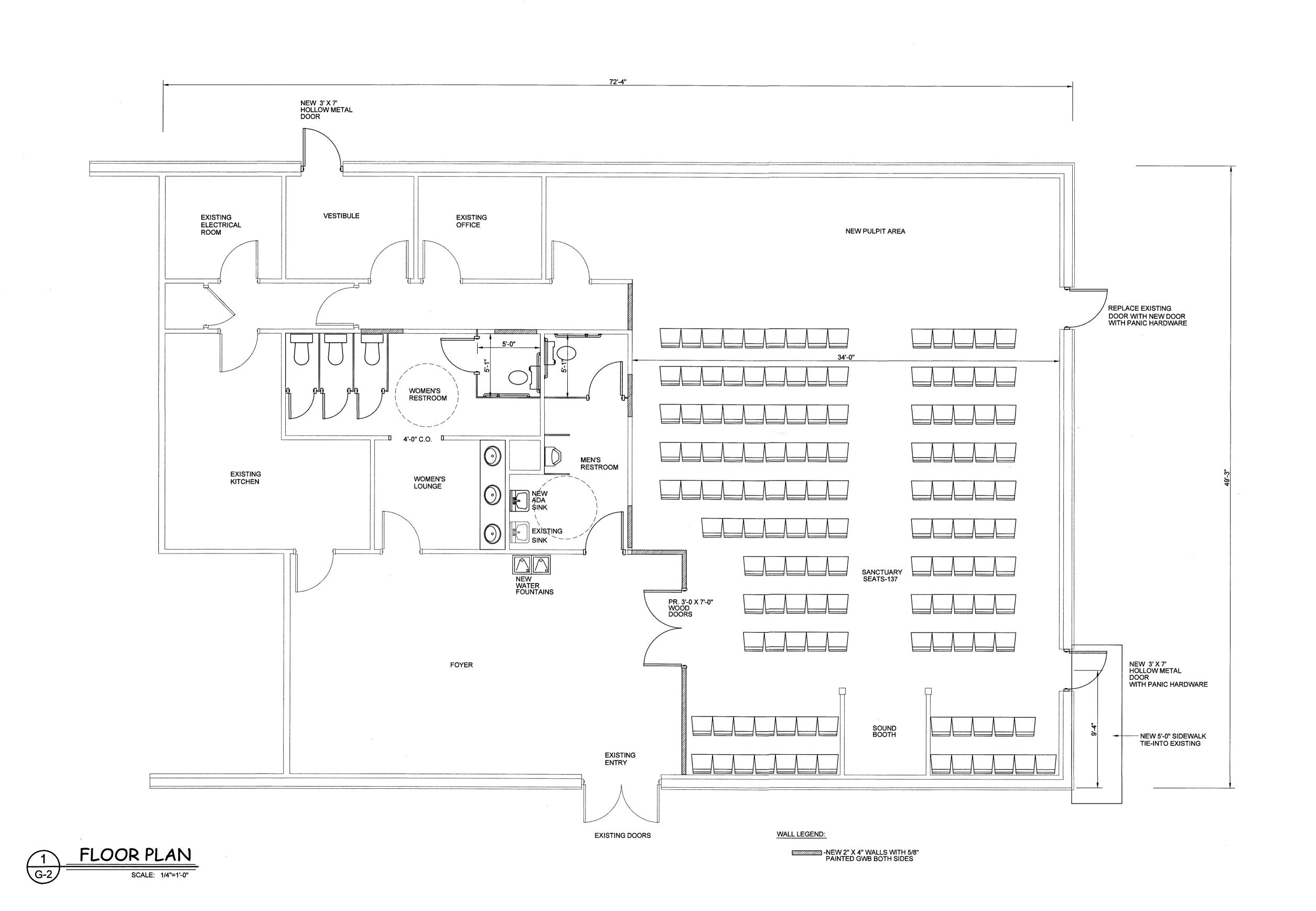
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