2018 APPENDIX	B BUILDING CODE SUN	MMARY
Name of Project: Word Afire Ministries		ACCESSIBLE PARKING
Address: 1503 Denim Road Erwin, NC Zip Code: 28339	STORY DESCRIPTION BLDG AREA TABLE 506.2 ⁴ AREA FOR ALLOWABLE AND USE PER STORY AREA FONTAGE AREA PER STORY OR	(SECTION 1106) TOTAL # PARKING SPACES # ACCESSIBLE SPACES PROVIDED LOT OR TOTAL # TOTAL #
Proposed Use: Church	(ACTUAL) INCREASE 1,5 UNLIMITED 2,3 1 Church 6,500 6,000 4,500 10,500	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 Private State	¹ Frontage area increases from Section 506.2 are computed thus:	TOTAL
Code Enforcement Jurisdiction: City County Harnett 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)	PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)
DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL Designer Firm NAME ACCUSATE TO STATE TO	e. Percent of frontage increase $I_f = 100 [F/P - 0.25] \times W/30 =75$ (%) 2 Unlimited area applicable under conditions of Section 507.	USE WATER CLOSETS LIBINALS LAVATORIES UTILITY DRINKING FOUNTAINS
Building Smith Engineering & Design Joe T. Smith, Jr. 24916 (919)—736—2141 smithengineeringnc@hotmail.com Civil	 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2). The maximum area of parking garages must comply with 406.5.4. The maximum area of air traffic control towers must comply with Table 	EXISTING 1 1 0 0 1 1 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 0 2 0 0 0 1 0 0 1 1 REQUIRED 1 2 0 0 1 1 0 0 1 1
Plumbing	Trontage increase is based on the unsprinklered area value in Table 500.2.	
Mechanical Sprinkler-Standpipe	ALLOWABLE HEIGHT	SPECIAL APPROVALS Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
Structural	ALLOWABLE SHOWN ON CODE PLANS REFERENCE	Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
Retaining Walls >5' High 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	
Addition Phased Construction-Shell Core	1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.	STRUCTURAL DESIGN
2018 NC EXISTING CODE: Prescriptive Alteration Level I Historic Property (check all that apply) Repair Alteration Level II Change of Use	FIRE PROTECTION REQUIREMENTS	DESIGN LOADS: Importance Existing Building
Chapter 14 Alteration Level III	FIRE RATING DETAIL# DESIGN# DESIGN#	Factors: Snow (I _s)
CONSTRUCTED: (date) CURRENT USE(s) (Ch. 3) B RENOVATED: (date) PROPOSED USE(s) (Ch. 3) A-3 & B	BUILDING ELEMENT SEPARATION DISTANCE REQUIRED PROVIDED AND FOR RATED FOR RATED SHEET # ASSEMBLY PENETRATION JOINTS	Seismic (I _E) Live Loads: Roof
	Structural frame, including columns, girders, trusses O HOUR O HOUR	Mezzanine Floor
BUILDING DATA Construction Type:	Bearing walls	Ground Snow Load: Wind Loads: Basic Wind Speed
(check all that apply)	North N/A O HOUR N/A	Exposure Category
Standpipes: NO Class: I III III Wet Dry	East N/A 0 HOUR N/A West N/A 0 HOUR N/A South N/A 0 HOUR N/A	SEISMIC CATEGORY A B C D
Primary Fire District: NO YES (Primary) Flood Hazard Area: No YES Special Inpections Required: NO YES	Interior 0 HOUR N/A Nonbearing walls and partitions	Provide the following Seismic Design Parameters:
	Exterior North >30' 0 HOUR 0 HOUR	Occupancy Category (Table 1604.5) I III III IV
GROSS BUILDING AREA TABLE FLOOR EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL	East >30' 0 HOUR 0 HOUR West >30' 0 HOUR 0 HOUR	Spectral Response Acceleration S _s %g S ₁ %g Site Classification (ASCE-7) A B C D E F
3th Floor	South >30' 0 HOUR 0 HOUR Interior walls and partitions 0 HOUR 0 HOUR	Data source: Field Test Presumptive Historical Data Basic Structural System: (check one)
2nd Floor Mezzanine	Floor Construction including supporting beams and joists 0 HOUR 0 HOUR	Bearing Wall Dual W/ Special Moment Frame Building Frame Dual W/ Intermediate R/C or Special Steel
1stFloor (Upper Level) 6,500 0 6,500	Roof Construction including supporting beams and joists O HOUR O HOUR	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	Architectural, Mechanical, Components Anchored? Yes No
Primary Occupancy: THIS TENANT SPACE = 3,381 SQ.FT.	Corridor Separation 0 HOUR 0 HOUR 0 HOUR 0 HOUR 0 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 N/A Tanget/Dwelling Unit/ Sleening Unit	Presumptive Bearing Capacity psf Pile Size, Type, and Capacity
Factory F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HMP	Separation Incidental Use Separation N/A N/A N/A N/A	SPECIAL INSPECTIONS REQUIRED: Yes No
Institutional	*Indicates section number permitting reduction. PERCENTAGE OF WALL OPENING CALCULATIONS	TORIED CIST CITATRE A DAT
I-3 Condition	EIDE SERARATION DISTANCE DEGREE OF OPENINGS ALLOWARIE AREA ACTUAL SHOWN ON PLANS	ENERGY SUMMARY ENERGY REQUIREMENTS:
I-1 Condition	(feet) FROM PROPERTY LINES PROTECTION (%) (%)	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
Residential R-1 R-2 R-3 R-4	>30' Unprotected, Nonsprinklered No Limit <50%	reference design vs annual energy cost for the proposed design.
Storage S-1 Moderate S-2 Low High-Piled Parking Garage Open Enclosed Repair Garage		Existing building envelope complies with code: [1] (If checked, the remainder of this section is not applicable.) Exempt Building: Provide code or statutory reference:
Utility and Misc.	LIFE SAFETY SYSTEM REQUIREMENTS	Climate Zone: 3 4 5
Accessory Occupancy Classification(s): Incidental Uses: (Table 509)	Emergency Lighting: No Yes	Method of Compliance : Energy Code: Performance Prescriptive Trade-Off
This separation is not exempt as a Nonseparated Use (see exceptions). Special Uses: (Chapter 4 - List Code Sections):	Exit Signs: No Yes Fire Alarm: No Yes	ASHRAE 90.1: Performance Prescriptive Trade-Off Other: Performance (specify source)
Special Oses: (Chapter 4 - List Code Sections): Special Provisions: (Chapter 5 - List Code Sections):	Smoke Detection Systems: Carbon Monoxide Detection: No Yes Yes	THERMAL ENVELOPE:
Mixed Occupancy: NO YES Secondary occupancy type(s): B Separation: 0 Hour Exception: 508.3	LIFE SAFETY PLAN REQUIREMENTS	Roof/Ceiling Assembly (each assembly) Description of Assembly
Non-Separated Use (508.3) 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	LIFE SAFETY PLAN REQUIREMENTS Life Safety Plan Sheet #: LF-1	U-value of Total Assembly
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	Fire and/or smoke rated wall locations (Chapter 7) Assumed and real property line locations	R-value of Insulation
each use divided by the allowable floor area for each use shall not exceed 1.	Exterior wall opening area with respect to distance to assumed property lines (705.8)	U-Value of skylight Total square footage of skylights in each assembly
Actual Area of Occupancy A Allowable Area of Occupancy A Allowable Area of Occupancy B Allowable Area of Occupancy B = < 1.0	Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2) Occupant loads for each area	Exterior Walls (each assembly)
$\frac{N/A}{N/A} N/A + \frac{N/A}{N/A} N/A = N/A \le 1.0$	Exit access travel distances (1017) Common path of travel distances [Tables 1006.2.1 & 1006.3.2(1)]	Description of Assembly
IN/A	Dead end lengths (1020.4)	R-value of Insulation
	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) U-Value of assembly
	Actual occupant load for each exit door	Solar heat gain coefficient: Projection factor:
	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)	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
		U-value of Total Assembly
	ACCESSIBLE DWELLING UNITS (SECTION 1107)	Floors slab on grade Description of Assembly
	TOTAL UNITS UNITS UNITS UNITS UNITS UNITS UNITS ACCESSIBLE UNITS UNITS	U-value of Total Assembly
	N/A REQUIRED PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED PROVIDED	R-value of Insulation
		Slab heated

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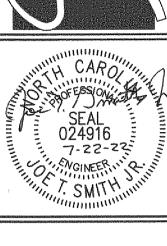
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REVISIONS

DESCRIPTION

Afire Ministries
1503 Denim Road
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TE: 22 July 2022 AWN BY: J.S.

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