

**2018 APPENDIX B  
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: Jordan Temple Church, 75 Jordan Temple Lane, Lillington, NC, 27546  
 Owner/Authorized Agent: Jim Graves Phone # (910) 237-5267 E-Mail ndaine@aol.com  
 Owned By: Private  
 Code Enforcement Jurisdiction: City

**CONTACT: Jim Graves**

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Blackwell Architect	E.J. Blackwell	9084	(910) 485-8579	bb.BlackwellArchitect@yahoo.com

Civil na ( )  
 Electrical na ( )  
 Fire Alarm na ( )  
 Plumbing na ( )  
 Mechanical na ( )  
 Sprinkler-Standpipe na ( )  
 Structural na ( )  
 Retaining Walls >5' High na ( )  
 Other na ( )  
 (\*Other\* should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

**2018 NC BUILDING CODE:** Phased Construction - Shell Core- Contact the local inspection jurisdiction for possible additional procedures and requirements.

**2018 NC EXISTING BUILDING CODE:** Alteration Level II Repair N/A  
 CONSTRUCTED: (date) 1964 CURRENT OCCUPANCY(S) (Ch. 3): A3  
 RENOVATED: (date) PROPOSED OCCUPANCY(S) (Ch. 3): A3

OCCUPANCY CATEGORY (Table 1604.5): Current: II Proposed: II

**BASIC BUILDING DATA**

Construction Type: V-B  
 Sprinklers: No Select one  
 Standpipes: No  
 Primary Fire District: No Flood Hazard Area: No  
 Special Inspections Required: No

**Gross Building Area Table**

FLOOR	EXISTING (SQ.FT)	NEW (SQ.FT)	SUB-TOTAL
1 <sup>st</sup> Floor	6716	0	6716
TOTAL	6716	0	6716

**ALLOWABLE AREA**

Primary Occupancy Classification(s): Assembly - A-3 N/A N/A N/A N/A Select one

Accessory Occupancy Classification(s):

Incidental Uses (Table 509):

Special Uses (Chapter 4 - List Code Sections):

Special Provisions: (Chapter 5 - List Code Sections):

Mixed Occupancy: Select one Separation: Select one Exception:

Select one

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 <sup>1</sup> AREA	(C) AREA FOR FRONTAGE INCREASE <sup>1,2</sup>	(D) ALLOWABLE AREA PER STORY OR UNLIMITED <sup>2,3</sup>
1	A3	6716	6000	4500	10500

<sup>1</sup> Frontage area increases from Section 506.2 are computed thus:  
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = 339 (F)  
 b. Total Building Perimeter = 339 (P)  
 c. Ratio (F/P) = 1/1 (F/P)  
 d. W = Minimum width of public way = 30 (W)  
 e. Percent of frontage increase  $I_f = 100 [(F/P - 0.25) \times W / 30 = 75 (\%)$   
<sup>2</sup> Unlimited area applicable under conditions of Section 507.  
<sup>3</sup> Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).  
<sup>4</sup> The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.  
<sup>5</sup> Frontage increase is based on the unsprinklered area value in Table 506.2.

**ALLOWABLE HEIGHT**

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	40'-0"	20'	
Building Height in Stories (Table 504.4)	1	1	

<sup>1</sup> Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

**FIRE PROTECTION REQUIREMENTS**

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED		DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
			(W/REDUCTION)	(REDUCTION)				
Structural Frame, including columns, girders, trusses	30"	0						
Bearing Walls	30"	0						
Exterior	30"	0						
North	30"	0						
East	30"	0						
West	30"	0						

South	30"	0						
Interior	NA							
Nonbearing Walls and Partitions								
Exterior walls								
North								
East								
West								
South								
Interior walls and partitions								
Floor Construction		0						
Including supporting beams and joists								
Floor Ceiling Assembly		0						
Columns Supporting Floors		0						
Roof Construction, including supporting beams and joists		0						
Roof Ceiling Assembly		0						
Columns Supporting Roof		0						
Shaft Enclosures - Exit		0						
Shaft Enclosures - Other		0						
Corridor Separation		0						
Occupancy/Fire Barrier Separation		0						
Party/Fire Wall Separation		0						
Smoke Barrier Separation		0						
Smoke Partition		0						
Tenant/Dwelling Unit/Sleeping Unit Separation		0						
Incidental Use Separation		0						

\* 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 (%)
30'	NO LIMIT		

**LIFE SAFETY SYSTEM REQUIREMENTS**

Emergency Lighting: Yes  
 Exit Signs: Yes  
 Fire Alarm: No  
 Smoke Detection Systems: Yes  
 Carbon Monoxide Detection: No

**LIFE SAFETY PLAN REQUIREMENTS**

Life Safety Plan Sheet #: T1

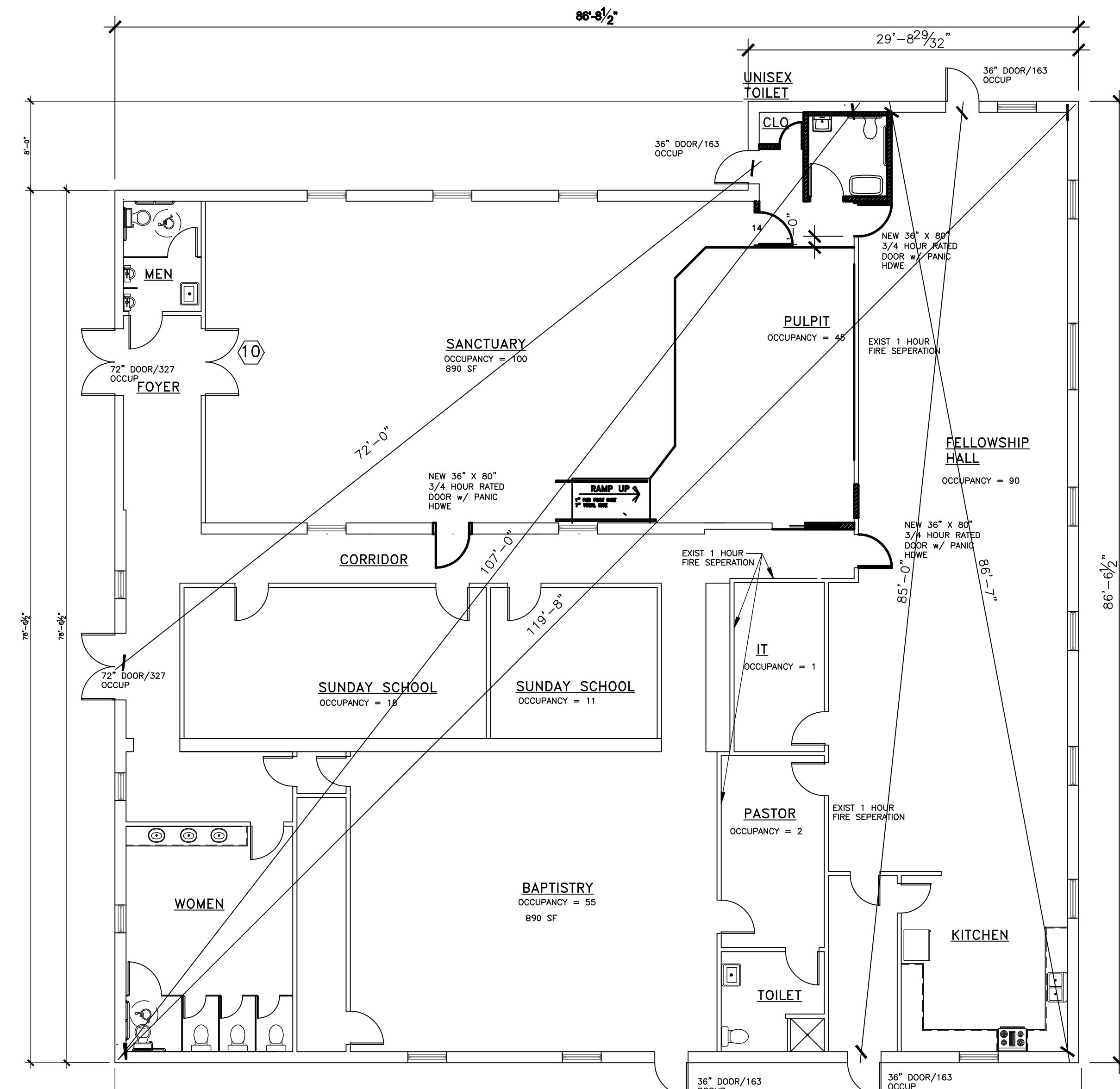
- Fire and/or smoke rated wall locations (Chapter 7)
- Assumed and real property line locations (if not on the site plan)
- Exterior wall opening area with respect to distance to assumed property lines (705.8)
- Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- Occupant loads for each area
- Exit 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 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 PARKING (SECTION 1106)**

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF ACCESSIBLE SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
			REGULAR WITH 5' ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	
EXISTING						
TOTAL						

**PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)**

USE	SPACE	WATERCLOSETS			URINALS			LAVATORIES			SHOWERS /TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX	MALE	FEMALE	REGULAR		ACCESSIBLE	
EXIST													



**LS1 LIFE SAFETY PLAN**  
 SCALE: 1/8" = 1'-0"

**REVISIONS**

NO.	DATE	DESCRIPTION

**BLACKWELL ARCHITECT**  
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**REMODELING & RENOVATION  
 JORDAN TEMPLE BIBLE CHURCH OF GOD  
 75 JORDAN TEMPLE LANE  
 LILLINGTON, NC 27546**

4/15/2021  
 LIFE-SAFETY PLAN  
**LS1**