2018 APPENDIX B **BUILDING CODE SUMMARY** FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 AND 2 FAMILY DWELLINGS AND TOWNHOUSES)

Buies Creek Fire Department	STORY	DESCRIPTION A		(A)	(B)	4	(C)	1	(D)
Address: _ 112 Marshbanks Street Lillington, NC 27546	NO.	USE	DLDG.	AREA PER (ACTUAL)	TABLE 50 AREA	J6.2 ·	AREA FOR FI	SE 1,5	ALLOWABLE AREA PER STORY OR UNLIMITED 2,3
				Virginia II amanda a	<u> </u>				
Owner Or Authorized Agent: Jeff Walker Phone 910-890-1268 E mail jlw08@centurylink,net									
Owned By:	,								
Code Enforcement Jurisdiction:	' L	<u></u>			L				
	a. Perime b. Total I c. Ratio (d. W = M e. Percent o 2 Unlimited ar	Inimum width of proof frontage increase I = ea applicable under	sublic way or of $=$ (P) =(P) (F/P) ublic way $=$ = 100 $(F/P = 0.25) \times$ conditions of S	(W) (W/30 =ection 507.) _(%)				
		uilding Area = total							
	The maximum	m Area of open park wers must comply v	cing garages m	ust comply wit	h Table 406.5.	.4 The Max	imum area of a	air traffic	
Plumbing		rease is based on the			Γable 506.2				
Mechanical Zeros	***************************************						~~~		
Sprinkler - Standpipe			A	LLOWABLE	HEIGHT				1
Structural			A	LLOWABLE	8	SHOWN O	N PLANS	CODE R	EFERENCE
Retaining Wall > 5' High	Building H	eight in Feet (Table	504.3)	55'		18-2"		T 504	.3
Other	<u></u>	leight in Stories (Tab		2				T 504.	4
("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)	' Provide cod	le reference if the "S	Shown on Plans	s" quality is not	t based on Tabl	le 504.3 or :	504.4		
2018 NC CODE BUILDING CODE: X New Building	***********								emon recognision de minimo e adaptivo mante
☐ 1st Time Interior Completion			F	RE PROTECT	TION REQUIR	REMENTS			
Shell / Core - Contact the local inspection jurisdiction for possible additional		***************************************	FIRE SEPARATION	RATIN		DETAIL#	DESIGN# FOR	SHEET # FOR	SHEET#
procedures and requirements	BUILD	ING ELEMENT	DISTANCE (FEET)	REQ'D PI	ROVIDE W/ EDUCTION)	AND SHEET#	RATED ASSEMBLY	RATED PENETRATIO	FOR
Phased Construction - Shell / Core - Contact the local inspection jurisdiction for possible additional procedures and requirements	Structural F					***************************************			
2018 EXISTING BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14	including co	usses							
Alteration: Level I Level II Level III	Bearing w			+-+			-		-
☐ Historic Property ☐ Change Of Use	North								
	East West			+ +			-		-
CONSTRUCTION: (Date) CURRENT OCCUPANCY (S) (CH. 3):	South			1,					
RENOVATED: (Date)PROPOSED OCCUPANCY (S) (Ch.3):	Interior Nonbearin	ng walls and	***************************************	++	+		+		+
OCCUPANCY CATEGORY (Table 1604.5) Current: I II	partitions Exterio	or Walls			1				
BASIC BUILDING DATA	Nort East								
Construction Type:	West			+-+	+		+		+
🗆 і-в 💢 ш-в 🗅 v-в	South Interior wa	lls & partitions		-67					
Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D	Floor construe	ction	,	+					
Standpipes: MNo Yes Class I I II III Wet I Dry	beams & joist	ng Assembly					-		
Fire District: 🙀 No 🔲 Yes Flood Hazard Area: 💆 No 🖂 Yes	Columns Su	upporting Floors							
Special Inspections Required: No Yes (Contact the local inspections jurisdiction for additional procedures and requirements)	Roof construct supporting bea	ams & joist							
		ng Assembly upporting Roof		-			-		
FLOOR	Shaft Enclo	osures - Exit					I		
2nd Floor	Corridor Se					·····			
Mezzanine		Fire Barrier Separation Wall Separation		-					
1st Floor 2,250 2,250	Smoke Part	ition							
Basement	Tenant / Dw			+-+					
TOTAL 2,250	·	Use Separation							
	Indicates	s ssection number po	ermitting reduct	ion					
ALLOWABLE AREA Primary Occupancy (s): Select One									
Assembly $\square A-1$ $\square A-2$ $\square A-3$ $\square A-4$ $\square A-5$		***************************************		CENTAGE OF					
Business:		ARATION DISTAN OM PROPERTY LI	PRO	GREES OF OPENI OTECTION BLE 705.8)	ALLO	WABLE A	REA ACTU	JAL SHOWN (%)	ON PJ ANS
Educational						7			
Factory F-1 Moderate F-2 Low									
Hazardous H-1 Detonate H-2 Deflagate H-3 Combat H-4 Health H-5 HPM		~~~							
Institutional			IFE SAFET	Y SYSTEM		EMENT	S		
□ I-2 Condition □ 1 □2		Exit Sign		□ No					
□ I - 3 Condition □ 1 □ 2 □ 3 □ 4 □ 5			etection System	ns: No		Partial_			
□ I - 4		Panic Ha	rdware:	□No	Yes				
Mercantile		1	LIFE SAFE	TY PLAN	REQUIRE	MENTS			
Residential R-1 R-2 R-3 R-4									
Storage AS-1 Moderate S-2 Low High Piled 17,500 44		ife Safety Plan Shee	6,		_				
□ Parking Garage □ Open □ Enclosed □ Repair Garage		Fire and / or smol Assumed and real Exterior wall open	property line l	ocations (Chapt ocations. (If no	ter 7) et on site plan)				
Utility and Miscellaneous		Occupancy Use for	or each area as i	respect to dista it relates to occ	ince to assumed supant load cal	d property li lculations (1	ine (705,8) Fable 1004,1.2))	
Accessory Occupancy Classification (s):	E	Exit access travel	distance (1017)			***			
Incidental Uses (Table 509):		Dead end lengths	(1020.4)	((Tables 1006.)	z.1 & 1006.3.2	r(1))			
Special Uses (Chapter 4 - List Code Section):			tions occupant		each exit door	can accom	modate based	on egress widt	h (100 5.3)
Special Provisions: (Chapter 5 - List Code Sections):		Actual occupant la A separate scheme	atic plan indica	ting where fire	rated floor / c	ceiling and	or roof structu	ures provided i	for
Mixed Occupancy: No Yes Separation: Hr. Exception:		purpose of occ	with panic har	dware (1010.1,)	10)		10105		
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			with electroma	agnetic egress l	ocks (1010.1,9		10,1,9,7)		
occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.		Location of doors Location of emerg	equipped with gency escape w	noid-open devi	ices.				
Separated Use (509.4) - See below for area calculations for each story, the area of the occupancy shall		The square footage The square footage	e of each smok	e compartment					
be such that the sum of the ratios of the actual floor area of each use divided by		Note any code exc	eptions or table	e notes that ma	y have been u	tilized regu	arding the item	is above.	
the allowable floor area for each use shall not exceed 1. Actual Area Of Occupancy A + Actual Area Of Occupancy B Allowable Area Of Occupancy A Allowable Area Of Occupancy B									

ACCESSIBLE DWELLING UNITS

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED		TYPE 'A' UNITS PROVIDED	TYPE 'B' UNITS REQUIRED	TYPE 'B' UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED	
ACCESSIBLE PARKING								

(Section 1107)

			(Section 1106)			
LOT OR PARKING	TOTAL # OF PA		# OF ACCESSIBLE S		TOTAL # ACCESSIBLE	
AREA	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPAC 132° ACCESS AISLE	_	PROVIDED
					-	

PLUMBING FIXTURE REQUIREMENTS

USE		Water Closets Urinal		Urinals	Lavatories Male Female Unisex			Showers/ Tubs		Fountains Accessible	
	Existing	iviaic	remaic	Onisex		Manac		Omsax	1005	reguna	Accession
SPACE	New										
	Required										

SPECIAL APPROVALS
Special Approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc. described below

 LONE	

ENERGY SUMARRY ENERGY SUMARRY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute 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.

(If "Other" specify source here)	
THERMAL ENVELOPE (Prescriptive method only)	
Roof / Ceiling (each assembly)	
Description of assembly:	
U-Value of total assembly:	
R-Value of insulation:	
Skylights in each assembly:	
U-Value of skylights:	
total square footage of skylights in each assembly:	i.
Exterior Walls (each assembly)	
Description of assembly:	
U-Value of total assembly:	
R-Value of insulation:	
O - when a find form and a second of the land	

R-Value of insulation:
Openings (windows or doors with glazing)
U-Value of assembly:
Solar heat gain coefficient:
Projection factor:
Door R-Value:
Wall below grade (each assembly)
Description of assembly:
U-Value of total assembly:
R - Value of insulation:
Floors over unconditional space (each assembly)
Description of assembly:
U - Value of total assembly:
R - Value of insulation:
Floor slow unconditional space (each assembly)
Description of assembly:
R - Value of insulation:
Floor slab on grade

Floor slab on grade

Description of assembly:

U - Value of itotal assembly:

R - Value of insulation:

Horizontal / vertical requirement:

Slab heated:

STRUCTURAL DESIGN (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

Compliance

kson

/ For Fire (Leslie ,

Snow (I_s) 1.2 Seismic (I_n) 1.5 Roof 20 psf Live Loads: Mezzanine psf Floor VOO psf Ground Snow Load: 15.0 psf Wind Load:

Basic Wind Speed 125 mph (ASCE-7)
Exposure Category ______

LATERAL DESIGN CONTROL: Earthquake Wind SOIL BEARING CAPACITIES:
Field Test (provide copy of test report)
Presumptive Bearing capacity
Pile size, type, and capacity

psf

Pile size, type, and capacity

MECHANICAL SUMMARY (PROVIDE IN THE MECHANICAL SHEETS IF APPLICABLE) MECHANICAL SYSTEMS, SERVICES AND EQUIPMENT Thermal Zone
winter dry bulb:_____summer dry bulb:_____

Interior d	esign conditions:
	winter dry bulb:
	summer dry bulb:
	relative humidity:
Building	heating load:
	cooling load:

	ing efficiency:
cool	ing efficiency:
size	category of unit:
Boiler	
Doner	

Chiller Size category: If oversized, state reason: List equipment efficiencies:

ELECTRICITY SUMMARY (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE) ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance: Energy Code: ASHREA 90.1 Performance Precriptive

Lighting schedule (Each fixture type)
lamp type required in fixture:
number of lamps in ficture:
ballast type used in the fixture:
number of ballast in 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 NCEC; not required for ASHREA 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 Systems
C406.7 Reduced Energy Use in Service Water Heating

CREEK FIRE DEPARTMENT 112 Marshbanks St. Lillington, NC 27546 BUIES

REVISIONS

DATE

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P	
PE,	C-0269
RJB,	J

Sanford, NC 27330 Robert J. Bracken
EERING • SURVEYING ENGINEERING

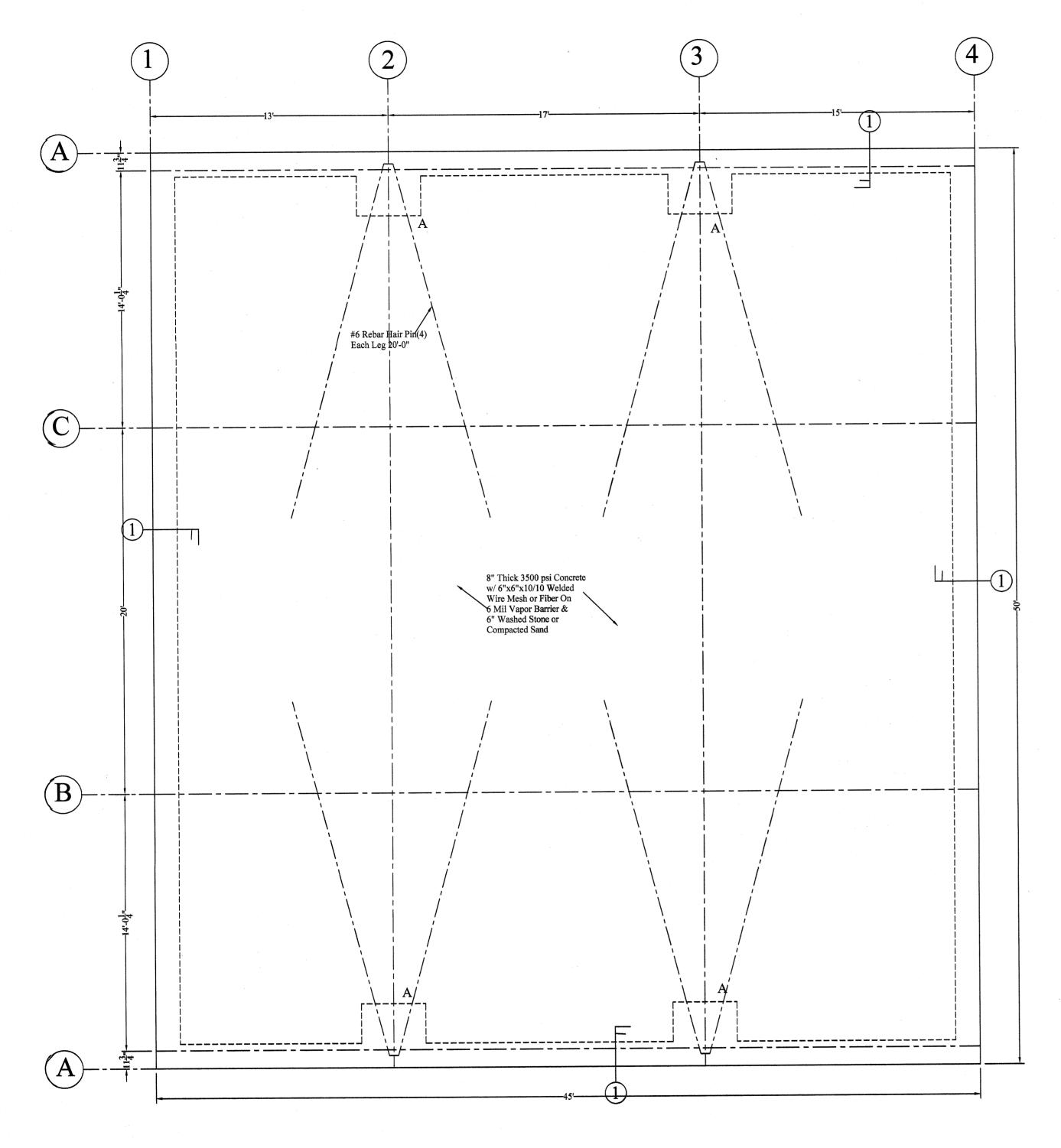
SCALE: 1/4" = 1'-0" DRAWN BY: WRJ DATE: CHECKED BY: RJB DWG. NUMBER

JOB NUMBER:

SHEET NO:

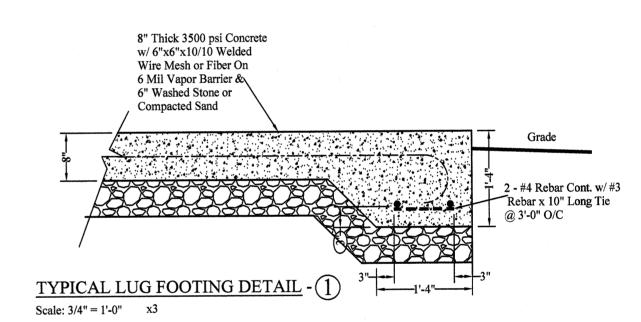
APPENDIX 'B'





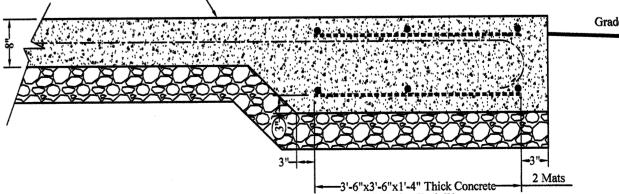
GENERAL FOUNDATION NOTES

- 1. ALL FOUNDATION SAW CUTS, EXPANSION JOINTS & CONSTRUCTION JOINTS BY GENERAL CONTRACTOR, INSTALLED @ MAX. OF 18'-0" O/C. ALTERNATE SAW CUT & CONSTRUCTION JOINTS.
- 2. ALL FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING A DESIGN BEARING OF 2000 PSF.
- 3. ELEVATIONS OF TOP OF ALL FOOTINGS SHALL BE SHOWN ON THE FOUNDATION PLAN. THESE ELEVATIONS ARE A MAX. AND SHALL BE LOWERED AS REQUIRED TO OBTAIN THE REQUIRED TO OBTAIN THE REQUIRED DESIGN PRESSURE. ANY UNUSUAL SOIL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 4. ALL CONCRETE INCLUDING SLAB-ON-GRADE SHALL OBTAIN A COMPRESSIVE STRENGTH OF 3000 PSI AT AN AGE OF 28 DAYS.
- 5. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE ASTM-615 GRADE 60.
- 6. CONCRETE PROTECTION FOR REINFORCING STEEL AND OTHER GENERAL REQUIREMENTS FOR FABRICATION & PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE. (ACI 318-LATEST EDITION)
- 7. ALL REINFORCING MARKED CONTINOUS (CONT.) ON THE PLANS AND DETAILS SHALL BE LAPPED 30 BAR DIAMETERS (MIN.), UNLESS NOTED OTHERWISE (U.N.O.) 8. NO BACK FILL SHALL BE DONE AGAINST MASONRY WALLS UNLESS ALL SLABS
- ARE POURED AND / OR SECURELY BRACED AGAINST OVERTURNING. 9. ALL MASONRY UNITS SHALL BE IN ACCORDANCE WITH ASTN C-90
- TYPE I GRADE N-1 (FM-1350 PSI).
- 10. GROUT FOR MASONRY WALLS SHALL BE ASTM C-476 AND SHALL BE PROPORTIONED TO OBTAIN A 28 DAY COMPRESSION STRENGTH OF 2500 PSI. ALL MORTAR SHALL BE ASTM C-270 TYPE M OR S.
- 11. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR. 12. ALL DEVIATIONS FROM WORKING DRAWINGS (EXISTING AND NEW) SHALL BE FORWARDED TO THE ENGINEER.
- 13. ALL WORK SHALL BE IN ACCORDANCE WITH THE MOST CURRENT
- EDITION OF THE NORTH CAROLINA BUILDING CODE. 14. REBAR DETAILING SHALL MEET CRSI RECOMMENDATIONS.



8" Thick 3000 psi Concrete w/ 6"x6"x10/10 Welded Wire Mesh or Fiber On

- 6 Mil Vapor Barrier &
- 6" Washed Stone or Compacted Sand



COLUMN FOOTING DETAIL -(A) Scale: 3/4" = 1'-0"

w/3 - #4 Rebar Each Way

CREEK FIRE DEPARTMENT 112 Marshbanks St. Lillington, NC 27546

REVISIONS

DATE

t J. Bracken
G • SURVEYING PE,

Sanford, NC 27330

3768 Carbonton Road

SCALE: 1/4" = 1'-0" DRAWN BY: WRJ

DATE:

CHECKED BY: RJB

DWG, NUMBER:

JOB NUMBER:

SHEET NO:

S-1

