### 2012 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)

Proposed Use:	Mt. Misery Rd. Bldg G Self-storage				
Owner/Authoriz	zed Agent: Trey McGirt	Phone # ( 910)6	12.6762	E-Mail_treymcg	@bellsouth.net
Owned By:	☐ Cit	y/County	Private	☐ Star	te
				ınswick	
2007 2		J			
LEAD DESIGN	N PROFESSIONAL: _Da	wid Lisle_			
DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Lisle Architecture	David Lisle	7903	(910) 763-6053	davidl@lislearchitecture.co
Civil					
Electrical	_David Sims and Assoc	-	7138		office@dsaeng.com
Fire Alarm	David Sims and Assoc	David Sims, Jr.	7138		
Plumbing	_ David Sims and Assoc		11227	(910) 791-8016	
Mechanical	_David Sims and Assoc			(910) 791-8016	office@dsaeng.com
Structural	pipe				
	s>5' High				
Other	3 - 3 High				
2012 EDITION	OF NC CODE FOR: $\square$	New Construction	n	☐ Upfit	
EXISTING: CONSTRUCT	OF NC CODE FOR:	Alteration ORIGINAL US	Repair SE(S) (Ch. 3):		
EXISTING: CONSTRUCT	Reconstruction  ED: (date)	Alteration ORIGINAL US CURRENT US	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):	Renovation	
EXISTING: CONSTRUCT: RENOVATED BASIC BUILD Construction T	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US	Repair SE(S) (Ch. 3): E(S) (Ch. 3): SE(S) (Ch. 3):	Renovation	□ V-A
EXISTING: CONSTRUCT RENOVATED  BASIC BUILD Construction T (check all that a	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B	Renovation	□ V-A □ V-B
EXISTING: CONSTRUCT RENOVATED  BASIC BUILD Construction T (check all that a	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B	Renovation	□ V-A □ V-B
EXISTING: CONSTRUCT: RENOVATED  BASIC BUILD Construction T (check all that a	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B	Renovation    Renovation	□ V-A □ V-B
EXISTING: CONSTRUCT: RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes:	Reconstruction	Alteration  ORIGINAL US  CURRENT US  PROPOSED US  II-A  II-B  es	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13	☐ Renovation ☐ Renovation ☐ IV ☐ PA 13R ☐ NFF	□ V-A □ V-B PA 13D
EXISTING: CONSTRUCT RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District:	Reconstruction	Alteration  ORIGINAL US  CURRENT US  PROPOSED US  II-A  II-B  es	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13  NF	☐ Renovation ☐ Renovation ☐ IV ☐ PA 13R ☐ NFF	□ V-A □ V-B PA 13D
EXISTING: CONSTRUCT: RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District: Building Heigh	Reconstruction	Alteration  ORIGINAL US  CURRENT US  PROPOSED US  II-A  II-B  es	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13  NF	☐ Renovation ☐ Renovation ☐ IV ☐ PA 13R ☐ NFF	□ V-A □ V-B PA 13D
EXISTING: CONSTRUCT RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District: Building Heigh Gross Building	Reconstruction	Alteration  ORIGINAL US  CURRENT US  PROPOSED US  II-A  II-B  es	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13  NF  III We  Hazard Area:	☐ Renovation ☐ Renovation ☐ IV ☐ IV ☐ PA 13R ☐ NFF et ☐ Dry ☐ No ☐ Yes	□ V-A □ V-B PA 13D
EXISTING: CONSTRUCT RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District:	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US  II-A II-B es  NFF s I II y) Flood I	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13  NF  III We  Hazard Area:	☐ Renovation ☐ Renovation ☐ IV ☐ IV ☐ PA 13R ☐ NFF et ☐ Dry ☐ No ☐ Yes	U-A V-B PA 13D
EXISTING: CONSTRUCT RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District: Building Heigh Gross Building FLOOR	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US  II-A II-B es  NFF s I II y) Flood I	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13  NF  III We  Hazard Area:	☐ Renovation ☐ Renovation ☐ IV ☐ IV ☐ PA 13R ☐ NFF et ☐ Dry ☐ No ☐ Yes	U-A V-B PA 13D
EXISTING: CONSTRUCT: RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District: Building Heigh Gross Building FLOOR 6th Floor	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US  II-A II-B es  NFF s I II y) Flood I	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13  NF  III We  Hazard Area:	☐ Renovation ☐ Renovation ☐ IV ☐ IV ☐ PA 13R ☐ NFF et ☐ Dry ☐ No ☐ Yes	U-A V-B PA 13D
EXISTING: CONSTRUCT: RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District: Building Heigh Gross Building FLOOR 6th Floor 5th Floor	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US  II-A II-B es  NFF s I II y) Flood I	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13  NF  III We  Hazard Area:	☐ Renovation ☐ Renovation ☐ IV ☐ IV ☐ PA 13R ☐ NFF et ☐ Dry ☐ No ☐ Yes	U-A V-B PA 13D
EXISTING: CONSTRUCT RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District: Building Heigh Gross Building FLOOR 6 <sup>th</sup> Floor 5 <sup>th</sup> Floor 4 <sup>th</sup> Floor	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US  II-A II-B es  NFF s I II y) Flood I	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13  NF  III We  Hazard Area:	☐ Renovation ☐ Renovation ☐ IV ☐ IV ☐ PA 13R ☐ NFF et ☐ Dry ☐ No ☐ Yes	U-A V-B PA 13D
EXISTING: CONSTRUCT RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District: Building Heigh Gross Building FLOOR 6th Floor 5th Floor 4th Floor 3rd Floor	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US  II-A II-B es  NFF s I II y) Flood I	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13  NF  III We  Hazard Area:	☐ Renovation ☐ Renovation ☐ IV ☐ IV ☐ PA 13R ☐ NFF et ☐ Dry ☐ No ☐ Yes	U-A V-B PA 13D
EXISTING: CONSTRUCT RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District: Building Heigh Gross Building FLOOR 6 <sup>th</sup> Floor 5 <sup>th</sup> Floor 3 <sup>rd</sup> Floor 2 <sup>nd</sup> Floor	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US  II-A II-B es  NFF s I II y) Flood I	Repair SE(S) (Ch. 3): E(S) (Ch. 3): SE(S) (Ch. 3):  III-A III-B PA 13 NF III We Hazard Area:	□ IV  PA 13R □ NFF et □ Dry □ No □ Yes  SUB-	U-A V-B PA 13D
EXISTING: CONSTRUCT RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District: Building Heigh Gross Building FLOOR 6 <sup>th</sup> Floor 5 <sup>th</sup> Floor 4 <sup>th</sup> Floor 3 <sup>rd</sup> Floor 2 <sup>nd</sup> Floor Mezzanine	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US  III-A III-B es	Repair SE(S) (Ch. 3): E(S) (Ch. 3): SE(S) (Ch. 3):  III-A III-B PA 13 NF III We Hazard Area:	□ IV  PA 13R □ NFF et □ Dry □ No □ Yes  SUB-	V-A  V-B  PA 13D
EXISTING: CONSTRUCT: RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District: Building Heigh Gross Building FLOOR 6 <sup>th</sup> Floor 5 <sup>th</sup> Floor 4 <sup>th</sup> Floor 2 <sup>nd</sup> Floor 2 <sup>nd</sup> Floor Mezzanine 1 <sup>st</sup> Floor	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED US  III-A III-B es	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13 NF  III We  Hazard Area:  SQFT)	☐ IV  PA 13R ☐ NFF et ☐ Dry ☑ No ☐ Yes  SUB-	V-A  V-B  PA 13D
EXISTING: CONSTRUCT: RENOVATED  BASIC BUILD Construction T (check all that a Sprinklers: Standpipes: Fire District: Building Heigh Gross Building FLOOR 6 <sup>th</sup> Floor 5 <sup>th</sup> Floor 3 <sup>rd</sup> Floor 2 <sup>nd</sup> Floor Mezzanine 1 <sup>st</sup> Floor Basement	Reconstruction	Alteration ORIGINAL US CURRENT US: PROPOSED US  III-A III-B es   NFF s   I   II y) Flood I	Repair  SE(S) (Ch. 3):  E(S) (Ch. 3):  SE(S) (Ch. 3):  III-A  III-B  PA 13 NF  III We  Hazard Area:  SQFT)	☐ IV  PA 13R ☐ NFF et ☐ Dry ☑ No ☐ Yes  SUB-	V-A   V-B PA 13D

ALLOWABLE AREA
Occupancy:
Assembly A-1 A-2 A-3 A-4 A-5
Business   Educational
Factory F-1 Moderate F-2 Low
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
Institutional       □ I-1       □ I-2       □ I-3       □ I-4         I-3 Condition       □ 1       □ 2       □ 3       □ 4       □ 5
I-3 Condition
Residential R-1 R-2 R-3 R-4
Storage S-1 Moderate S-2 Low High-piled Parking Garage Open Enclosed Repair Garage
Utility and Miscellaneous
Accessory Occupancies:
Assembly A-1 A-2 A-3 A-4 A-5
Business
Educational F-1 Moderate F-2 Low
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
Institutional I-1 I-2 I-3 I-4
I-3 Condition □ 1 □ 2 □ 3 □ 4 □ 5  Mercantile □
Residential R-1 R-2 R-3 R-4
Storage S-1 Moderate S-2 Low High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage  Utility and Miscellaneous ☐
Incidental Uses (Table 508.2.5):
Furnace room where any piece of equipment is over 400,000 Btu per hour input
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
Refrigerant machine room
☐ Hydrogen cutoff rooms, not classified as Group H
Incinerator rooms
Paint shops, not classified as Group H, located in occupancies other than Group F
Laboratories and vocational shops, not classified as Group H. located in a Group E or I-2 occupancy
Laundry rooms over 100 square feet
Group I-3 cells equipped with padded surfaces
Group I-2 waste and linen collection rooms  Weste and linen collection rooms are given 100 agreements.
<ul> <li>☐ Waste and linen collection rooms over 100 square feet</li> <li>☐ Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-</li> </ul>
ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
☐ Rooms containing fire pumps
Group I-2 storage rooms over 100 square feet
Group I-2 commercial kitchens
Group I-2 laundries equal to or less than 100 square feet
Group I-2 rooms or spaces that contain fuel-fired heating equipment
Special Uses:       402       403       404       405       406       407       408       409       410       411       412         413       414       415       416       417       418       419       420       421       422       423       424

**Special Provisions:** 509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.9

☐ 425 ☐ 426 ☐ 427

THIS DRAWING IS THE LEGAL PROPERTY OF LISLE ARCHITECTURE AND DESIGN, INC. AND IS NOT TO BE COPIED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE PERMISSION OF THE ARCHITECT - COPYRIGHT 201

☐ Incidental Use Separation (508.2.5)

This separation is not exempt as a Non-Separated Use (see exceptions).
☐ 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 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
each use divided by the allowable floor area for each use shall not exceed 1.
_Actual Area of Occupancy A_ + Actual Area of Occupancy B_ < 1
Actual Area of Occupancy $A$ $+$ Actual Area of Occupancy $B$ $\leq 1$ Allowable Area of Occupancy $B$
+ + = <u> </u>

First	S-1	20,000	17,500	8750	n/a	26,250	26,25
		(ACTUAL)		INCREASE <sup>1</sup>	INCREASE <sup>2</sup>	UNLIMITED <sup>3</sup>	AR
		PER STORY	AREA	FRONTAGE	SPRINKLER	AREA OR	BUII
	AND USE	BLDG AREA	TABLE 503 <sup>5</sup>	AREA FOR	AREA FOR	ALLOWABLE	MAX
STORY NO.	DESCRIPTION	(A)	(B)	(c)	(D)	(E)	(

<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 = \_660\_\_\_\_\_(F) b. Total Building Perimeter = \_660\_\_\_\_(P)
- c. Ratio (F/P) = \_\_\_\_1\_\_ (F/P)
  d. W = Minimum width of public way = \_\_20\_\_\_ (W)
  e. Percent of frontage increase  $I_f = 100 [F/P 0.25] \times W/30 = ____ (\%)$ <sup>2</sup> The sprinkler increase per Section 506.3 is as follows:
- a. Multi-story building I<sub>s</sub> = 200 percent
  b. Single story building I<sub>s</sub> = 300 percent
- <sup>3</sup> Unlimited area applicable under conditions of Section 507. <sup>4</sup> Maximum Building Area = total number of stories in the building x E (506.4).
- <sup>5</sup> The maximum area of open parking garages must comply with Table 406.3.5. The maximum area of air traffic control towers must comply with Table 412.1.2.

	allowable (Table 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	TypeIIB		TypeIIB	
Building Height in Feet	55	Feet = H + 20' =	14'	
Building Height in Stories	2	Stories + 1 =	1	

ALLOWABLE HEIGHT

#### FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	F	IRE	RATING			DETAIL # AND SHEET #		DESIGN # FOR RATED ASSEMBLY N/A		DES	IGN # FOR	DESIGN#		
	SEPARATION DISTANCE (FEET)		REQ'D		PROVIDED (W/ * REDUCTION)					RATED PENETRATION		FOR RATED JOINTS		
Structural Frame,	N/A		N/A		N/A					N/A		N/A		
including columns, girders, trusses														
Bearing Walls														
Exterior														
North														
East														
West														
South														
Interior														
Nonbearing Walls and Partitions Exterior walls														
North														
East														
West														
South														
Interior walls and partitions														
Floor Construction Including supporting beams and joists														
Roof Construction Including supporting beams and joists														
Shaft Enclosures - Exit														
Shaft Enclosures - Other														
Corridor Separation														
Occupancy Separation	ļ	7	0.7	<u> </u>		7		, DE	TTc	1	1	1		7
Party/Fire Wall Separation			3-H	K			KBS	S-DB	U419					
Smoke Barrier Separation														
Tenant Separation														
Incidental Use Separation														

### LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	☐ No ⊠ Yes
Exit Signs:	☐ No ☑ Yes
Fire Alarm:	No □ Yes
Smoke Detection Systems:	No □ Yes □ Partial
Panic Hardware:	No ☐ Yes —

## LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: LS-1

☐ Fire and/or smoke rated wall locations (Chapter 7)

☐ Assumed and real property line locations

Exterior wall opening area with respect to distance to assumed property lines (705.8)

☐ Existing structures within 30' of the proposed building

Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1) Occupant loads for each area

Exit access travel distances (1016)

Common path of travel distances (1014.3 & 1028.8)

Dead end lengths (1018.4) Clear exit widths for each exit door

Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1) 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 (1008.1.10)

Location of doors with delayed egress locks and the amount of delay (1008.1.9.7) Location of doors with electromagnetic egress locks (1008.1.9.8)

☐ Location of doors equipped with hold-open devices

Location of emergency escape windows (1029) ☐ The square footage of each fire area (902)

☐ The square footage of each smoke compartment (407.4)

Note any code exceptions or table notes that may have been utilized regarding the items above

#### ACCESSIBLE DWELLING UNITS - N/A (SECTION 1107)

TOTAL	ACCESSIBLE	ACCESSIBLE	TYPE A	TYPE A	Type B	TYPE B	TOTAL
UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	ACCESSIBLE UNITS
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	PROVIDED

#### ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING	TOTAL # OF PA	ARKING SPACES	# OF ACC	# OF ACCESSIBLE SPACES PROVIDED			
AREA	REQUIRED	PROVIDED	REGULAR WITH	VAN SPACI	ES WITH	ACCESSIBLE	
			5' ACCESS	132" ACCESS	8' ACCESS	PROVIDED	
			AISLE	AISLE	AISLE		
Existing	5	5			1	1	
1 HC Loading							
Zone provided							
TOTAL							

### STRUCTURAL DESIGN

Importance Factors:		- -
Live Loads:	Roof20 Mezzanine Floor	psf psf psf
Ground Snow Load:	10psf	
	1 1	

**DESIGN LOADS:** 

Vind Load:	Basic Wind Speed	143	mph (ASCE-7)	
	Exposure Category	c		
	Wind Base Shears (fo	or MWFRS)	$V_X =35_{_}$	_ Vy =12

SEISMIC DESIGN CATEGORY:	A	В	$\boxtimes \mathbf{C}$	$\square$ D	
Provide the following Seismic Design Parameters:					
Occupancy Category (Table 1604.5)	I	$\boxtimes$ II	III	IV	
Spectral Response Acceleration S <sub>S</sub> 23.0		%g		$S_1_9.5_$	%
Site Classification (Table 1613.5.2)	$\Box$ B	$\Box$ C	$\boxtimes$ D	$\mathbf{E}$	F
Data Source: Field	ld Test	⊠ Pr	esumptiv	e 🗌 Histo	rical Da
Basic structural system (check one)					
☐ Bearing Wall ☐ Dual	w/Specia	al Mome	nt Frame		
☐ Building Frame ☐ Dual	w/Intern	nediate R	/C or Sp	ecial Steel	
	D	1			

	ame	
☐ Moment Fra	me Inverted Pendulum	
Seismic base shear:	$V_{X} = _{4} V_{Y} = _{4}$	
Analysis Procedure:	☐ Simplified ☐ Equivalent Lateral Force	Dy:
Architectural, Mechani	ical, Components anchored? Yes No	

LATERAL DESIGN CONTROL:	Earthquake	Wind
SOIL BEARING CAPACITIES:  Field Test (provide copy of test Presumptive Bearing capacity Pile size, type, and capacity	report)2000	psf psf

SPECIAL INSPECTIONS REQUIRED: ☐ Yes ☐ No

# PLUMBING FIXTURE REQUIREMENTS - N/A

(TABLE 2902.1)

USE		WATERCLOSETS		URINALS	LAVATORIES		SHOWERS/	DRINKING FOUNTAINS	
		MALE	FEMALE		MALE	FEMALE	TUBS	REGULAR	Accessible
SPACE	EXISTING								
	NEW								
	REQUIRED								

	SPECIAL APPROVALS
Special appro	val: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
ENERGY RE	ENERGY SUMMARY QUIREMENTS:
The following also be provide	data shall be considered minimum and any special attribute required to meet the energy code shall d. Each Designer shall furnish the required portions of the project information for the plan data sheet. method, state the annual energy cost for the standard reference design vs annual energy cost for the
Clima	te Zone:
Meth	od of Compliance:
	Prescriptive (Energy Code)
	Performance (Energy Code)
	☐ Prescriptive (ASHRAE 90.1) ☐ Performance (ASHRAE 90.1)
THERMAL E	NVELOPE
Roof/	ceiling Assembly (each assembly)
	Description of assembly: Metal Roofing over Purlins w/ R-19+R-11 Insulation
Exter	ior Walls (each assembly)
	Description of assembly: Metal Panel over Wind Girts w/ R-19 Insulation and Interior
Metal Panel	U-Value of total assembly:  R-Value of insulation:  Openings (windows or doors with glazing)  U-Value of assembly:  Solar heat gain coefficient:  projection factor:  Door R-Values:
Walls	below grade (each assembly) – N/A
	Description of assembly: U-Value of total assembly: R-Value of insulation:
Floor	s over unconditioned space (each assembly)
	Description of assembly: U-Value of total assembly: R-Value of insulation:
Flaa	slab on grade
rioors	slab on grade

MECHANICAL SUMMARY
WECHANICAL SUMMANI
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Therm	nal Zone
	winter dry bulb:24 F summer dry bulb:91 F
Interio	or design conditions
	winter dry bulb: 70 F
	summer dry bulb:75 F
	relative humidity: 50%

U-Value of total assembly: R-Value of insulation:

slab heated:

Horizontal/vertical requirement:

Building heating load: \_121,299 btuh\_ Building cooling load: 135,612 btuh Mechanical Spacing Conditioning System – See Equip. Schedule

Size category. If oversized, state reason.:

sized, state reason.:

## List equipment efficiencies:

#### ELECTRICAL SUMMARY ELECTRICAL SYSTEM AND EQUIPMENT

# Method of Compliance:

### 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 interior wattage specified vs. allowed (whole building or space by space)

# total exterior wattage specified vs. allowed

- **Additional Prescriptive Compliance** 506.2.1 More Efficient Mechanical Equipment 506.2.2 Reduced Lighting Power Density
- 506.2.3 Energy Recovery Ventilation Systems
- 506.2.4 Higher Efficiency Service Water Heating
- 506.2.5 On-Site Supply of Renewable Energy
- 506.2.6 Automatic Daylighting Control Systems

Lisle Architecture & Design, Inc.

614 Market Street

Wilmington, NC 28401 (910) 763.6053 (o) (910) 763.4517 (f) 5 W. Hargett St. Suite 312

Raleigh, NC 27601 (919) 980.0283 (o)

www.LisleArchitecture.com





DATE				
NO. REV./SUB.				
<u>8</u>				

SHEET TITLE

**Building Code Data Summary** 

SHEET NUMBER

