



Brunswick County Project Information (BCPI)

A. PROJECT INFORMATION

Name of Project: _____ Business Name _____
 Address: _____ Zip Code: _____
 Owner / Authorized Agent _____ Phone# _____ Email: _____

B. DESIGNER INFORMATION

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	_____	_____	_____	_____	_____
Civil	_____	_____	_____	_____	_____
Electrical	_____	_____	_____	_____	_____
Fire Alarm	_____	_____	_____	_____	_____
Plumbing	_____	_____	_____	_____	_____
Mechanical	_____	_____	_____	_____	_____
Sprinkler-Standpipe	_____	_____	_____	_____	_____
Structural	_____	_____	_____	_____	_____
Retaining Walls =>5' High	_____	_____	_____	_____	_____
Other	_____	_____	_____	_____	_____

(*Other* should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

C. NEW OR EXISTING CONSTRUCTION

1. NEW CONSTRUCTION (2018 NC Building Code):

OR

2. EXISTING CONSTRUCTION:

(Please fill out all fields)

- a) Method Of Compliance (2018 NC Existing Building Code):
- b) Classification of Work (2018 NC Existing Building Code):
- c) Total Cost of Work (all trades): \$ _____
- d) Constructued (date): _____
- e) Renovated (date): _____
- f) Existing Use (Ch 3): _____
- g) Existing Risk Category (1604.5) _____

D. PROPOSED USE(S)

(Please check all that apply. The 2018 NCBC Chapter 3 provides details for each.)

- 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
- I-2 Condition 1 2
- 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
- Public Parking Garage Open Enclosed Repair Garage
- Utility and Miscellaneous

E. BUILDING DETAILS (Please fill out all fields)

- 1. CONSTRUCTION TYPE (Ch 6): _____
- 2. RISK CATEGORY (1604.5): _____
- 3. SPECIAL INSPECTIONS (Ch 17): _____ (if yes, fill out Special Inspections Form)
- 4. FIRE DISTRICT (GIS Fire District 6): _____
- 5. SPRINKLERS (903): _____
- 6. STANDPIPES (905): _____
- 7. STANDPIPE TYPE: _____
- 8. FLOOD HAZARD AREA (Flood Zone Viewer): _____

J. FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (feet)	RATING		DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
		REQ'D	PROVIDED (w/ * REDUCTION)				
Structural Frame 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							
Floor Ceiling Assembly							
Columns Supporting Floors							
Roof Construction, including supporting beams and joists							
Roof Ceiling Assembly							
Columns Supporting Roof							
Shaft Enclosures—Exit							
Shaft Enclosures—Other							
Corridor Separation							
Occupancy/Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation							
Incidental Use Separation							

* Indicate section number permitting reduction

L. LIFE SAFETY PLAN REQUIREMENTS (Please check all that apply and show on a Life Safety Plan except for ***)

Life Safety Plan Sheet #: _____

FIRE AND SMOKE PROTECTION AND SYSTEMS:

- 3+Fire Alarm Systems (907)***
- 2) Fire Extinguishers (906)
- 3) Emergency Lighting (1008.3, 1205.5)
- 4+Smoke Detection Systems (907) ***
- 5+Carbon Monoxide Alarms and Detection Systems (915)
- 6+Emergency Responder Communication (New Buildings >7500 SF (916))***
- 7) Fire and/or smoke related wall locations (Chapter 7)
- 8) Exterior wall opening area with respect to distance to assumed property lines (705)
- 9) A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy.
- 10) The square footage of each fire area (202)
- 11) The square footage of each smoke compartment for Occupancy Classifications 1-2 (407)
- 12) Assumed and real property line locations (if not on the site plan)

MEANS OF EGRESS:

- 13+Occupancy Use for each area as it relates to occupant load calculation (1004)
- 14+Occupant loads for each area (1004)
- 15) Actual occupant load for each exit door (1005, 1006)
- 16) Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- 17) Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- 18) Clear exit widths for each exit door and door swing direction (1010)
- 19) Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- 20) Location of doors with hold-open devices (1010.1.9)
- 21) Location of doors with electromagnetic egress locks (1010.1.9.9)
- 22) Location of doors with panic hardware (1010.1.10)
- 23) Exit Signs (1013)
- 24) Exit access travel distances (1017)
- 25) Dead end lengths (1020.4)
- 26) Location of emergency escape windows (1030)

M. ACCESSIBILITY

1. ACCESSIBLE DWELLING UNITS (SECTION 1107)

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

2. ACCESSIBLE PARKING (SECTION 1106)

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

N. PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

	WATERCLOSETS			URINALS	LAVATORIES			SHOWERS/TUBS	DRINKING FOUNTAINS	
	Male	Female	Unisex		Male	Female	Unisex		Regular	Accessible
Existing										
New										
Required										

Fixture Calculations provided on Plan Sheet _____

O. ENERGY REQUIREMENTS (Brunswick County - warm humid climate zone 3A)

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.

Please fill out either section 1 for exempt, 2 for Commercial, 3 for Residential, or 4 for Existing.

1. EXEMPT

Existing building envelope complies with code: (If checked, the remainder of this section is not applicable.)

Exempt Building: Provide code or statutory reference: _____

2. COMMERCIAL (2018 NC Energy Conservation Code [CE])

Commercial buildings shall comply with one (C401.2):

Please fill out the appropriate rows below if option 2 or 3 chosen above.

BUILDING ENVELOPE REQUIREMENTS (C402)				
Option	#	Assembly	U-Value of Total Assembly	R-Value of Insulation
2	1	Roof/Ceiling		
2	2	Walls Above Grade		
2	3	Walls Below Grade		
2	4	Floors - Over Unconditioned Space		
2	5	Floors - Slab on Grade (each assembly)		
2	6	Opaque Doors		

Option	#	Fenestration (Glazing)	U-Value of Total Assembly	Solar Heat Gain Coefficient	Projection Factor
2	7	Windows			
2	8	Doors			
2	9	Skylights			

Option	#	MECHANICAL (C403, C404)	Equipment Type	Size	Efficiency (Seer)
2, 3	10	Heating and Cooling System (C403.2)			
		Water Heating (C404)			

Option	#	ELECTRICAL POWER AND LIGHTING SYSTEMS (C405)			
2, 3	11	Lighting Controls (C405.2)	Yes	No	
2, 3	12	Exit Signs 5 watts or less (C405.3)	Yes	No	
2, 3	13	Interior Lighting Maximum (C405.4)	TCLP (C405.4.1):		LPD(C405.4.2):
2, 3	14	Exterior Lighting Maximum (C405.5)		Total Allowance (C405.5.1(2):	
2, 3	15	Separate Meters for R2 Dwelling Units (C405.6)	Yes	No	
2, 3	16	Electrical Transformer Certification to be Performed by (C405.6)			
2, 3	17	Electrical Motors Certification to be Performed by (C405.7)			

Option	#	ADDITIONAL EFFICIENCY PACKAGE OPTIONS (C406)			
2	18	Buildings shall comply with at least one:			

Option	#	TOTAL BUILDING PERFORMANCE (C407)			
3	19	Proposed building design and software details provided with plans	Yes	No	

3. RESIDENTIAL (2018 NC Energy Conservation Code [RE])

Residential buildings shall comply with one (R401.2):

Please fill out the appropriate rows below if option 1, 2 or 3 was chosen above.

BUILDING THERMAL ENVELOPE (R402)				
Option	#	Assembly	U-Value of Total Assembly	R-Value of Insulation
1	1	Roof/Ceiling		
1	2	Walls Above Grade		
1	3	Walls Below Grade		
1	4	Floors - Over Unconditioned Space		
1	5	Floors - Slab on Grade (each assembly)		

Option	#	Fenestration (Glazing)	U-Value of Total Assembly	Solar Heat Gain Coefficient
1	6	Windows		
1	7	Doors		
1	8	Skylights		

Option	#	SYSTEMS (R403)	Equipment Type	Size	Efficiency (Seer)
1, 2	9	Heating and Cooling System			
1, 2	10	Hot Water System			
1, 2	11	Mechanical System and, or, Water Heating, will Serve Multiple Units (R403.8)			

Option #	ELECTRICAL POWER AND LIGHTING SYSTEMS (R404)		
1, 2	12	Lamps and lighting fixtures 75% or greater high efficacy (R404.1)	Yes No

Option #	SIMULATED PERFORMANCE ALTERNATIVE (PERFORMANCE) (R405)		
2	13	Proposed building design and software details provided with plans	Yes No

Option #	ENERGY RATING INDEX (R406)		
3	14	Name of registered design professional or certified HERS rater	

4. **EXISTING (2018 NC Energy Conservation Code [RE] and [CE])**

Please fill out all that apply.

THERMAL ENVELOPE (Additions, Alterations, & Change of Use)				
	Assembly	U-Value of Total Assembly	R-Value of Insulation	
1	Roof/Ceiling			
2	Walls Above Grade			
3	Walls Below Grade			
4	Floors - Over Unconditioned Space			
5	Floors - Slab on Grade (each assembly)			
	Fenestration (Glazing) (New work, Additions and Alterations=>50% Replacement)	U-Value of Total Assembly	Solar Heat Gain Coefficient	
6	Windows			
7	Doors			
8	Skylights			
	New Mechanical Systems/Equipment	Equipment Type	Size	Efficiency (Seer)
9	New Heating and Cooling System			
10	New Hot Water System			
ALTERATIONS				
11	Unconditioned Space Changing to Conditioned Space?	Yes	No	
12	If Yes, what is the project cost?			
New Lighting (Additions and Alterations=>50% Replacement)				
13	Location:	External?	Internal?	

P. STRUCTURAL DESIGN

Provide information below or on structural plans.

1. DESIGN LOADS:

Importance Factors: Wind (I_W) _____
Snow (I_S) _____
Seismic (I_E) _____

Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor _____ psf

Ground Snow Load: _____ psf

Wind Load: Basic Wind Speed _____ mph (ASCE-7)
Exposure Category _____

2. SEISMIC DESIGN CATEGORY: A B C D

Provide the following Seismic Design Parameters:

Occupancy Category (Table 1604.5) I II III IV

Spectral Response Acceleration S_S _____ %g S_1 _____ %g

Site Classification (ASCE 7) A B C D E F

Data Source: Field Test **Basic** Presumptive Historical Data

structural system (check one)

- | | |
|---|---|
| <input type="checkbox"/> Bearing Wall | <input type="checkbox"/> Dual w/Special Moment Frame |
| <input type="checkbox"/> Building Frame | <input type="checkbox"/> Dual w/Intermediate R/C or Special Steel |
| <input type="checkbox"/> Moment Frame | <input type="checkbox"/> Inverted Pendulum |

Analysis Procedure: Simplified Equivalent Lateral Force Dynamic

Architectural, Mechanical, Components anchored? Yes No

3. LATERAL DESIGN CONTROL: Earthquake Wind

4. SOIL BEARING CAPACITIES:

Field Test (provide copy of test report) _____ psf

Presumptive Bearing capacity _____ psf

Pile size, type, and capacity _____