TYRRELL COUNTY REST AREA RENOVATION
US 64
COLUMBIA, NC

NC DEPT. OF INSURANCE 2018 APPENDIX B

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 & 2-FAMILY DWELINGS AND TOWNHOUSES)
(REPRODUCE THE FOLLOWING DATAON THE BUILDING PLANS SHEET 1 OR 2)

NC

Name Of Project: TYRRELL COUNTY REST AREA
Address: US 64, COLUMBIA, NC
Proposed Use: RESTROOM BUILDING
Owner Or Authorized Agent: Weeks Turner Architecture, Raleigh, NC — Phone: (919) 779-9797, E-mail ganderson@weeksturner.com
Owned By: [ ] City/County [ ] Private [X] State
Code Enforcement Jurisdiction: [ ] City [ ] County [X] State

LEAD DESIGN PROFESSIONAL: WEEKS TURNER ARCHITECTURE, PA

Designer	FIRM	NAME	LIC. #	TELEPHONE	E-MAIL
Architectural:	Weeks Turner Architecture	Ginger S. Anderson	11075	(919) 779-9797	ganderson@weeksturner.com
Civil	---	---	---	---	---
Electrical:	Burke Design Group	Benjamin E. Burke	22038	(919) 771-1916	benburke@nc.rr.com
Fire Alarm:	---	---	---	---	---
Plumbing:	Burke Design Group	Benjamin E. Burke	22038	(919) 771-1916	benburke@nc.rr.com
Mechanical:	Burke Design Group	Benjamin E. Burke	22038	(919) 771-1916	benburke@nc.rr.com
Sprinkler-Standpipe:	---	---	---	---	---
Structural:	---	---	---	---	---
Retaining Walls >5' High:	---	---	---	---	---
Other:	---	---	---	---	---

2018 NC BUILDING CODE: [ ] New Building [ ] Shell/Core [ ] 1st Time Interior Completions [ ] Addition [ ] Phased Construction - Shell Core

2018 NC **EXISTING BUILDING CODE:** [ ] Prescriptive [X] Alteration Level I [ ] Historic Property [ ] Repair [ ] Alteration Level II [ ] Change of Use [ ] Chapter 14 [ ] Alteration Level III

CONSTRUCTED: 1994 CURRENT OCCUPANCY(S) (Ch. 3): Business
RENOVATED: 2000 & 2008 PROPOSED OCCUPANCY(S) (Ch. 3): Business
OCCUPANCY CATEGORY (Table 1604.5): Current: II Proposed: II

BASIC BUILDING DATA

CONSTRUCTION TYPE: [ ] I-A [ ] II-A [ ] III-A [ ] IV [ ] V-A [ ] I-B [ ] II-B [ ] III-B [X] V-B
SPRINKLERS: [X] NO [ ] PARTIAL [ ] NFPA 13 [ ] NFPA 13R [ ] NFPA 13D
STANDPIPES: [X] NO CLASS [ ]I [ ] II [ ] III [ ] WET [ ] DRY
PRIMARY FIRE DISTRICT: [X] NO [ ] YES **FLOOD HAZARD AREA:** [X] NO [ ] YES
SPECIAL INSPECTIONS REQUIRED: [X] NO [ ] YES

GROSS BUILDING AREA

	EX. WELCOME CTR.	NEW REST AREA	EX. REST AREA	PORCH & VENDING	TOTAL AREA
3RD FLOOR	---	---	---	---	---
2ND FLOOR	---	---	---	---	---
MEZZANINE	330 SF	---	---	---	330 SF
1ST FLOOR	2,592 SF	---	1,516 SF	1,326 SF	5,434 SF
BASEMENT	---	---	---	---	---
TOTAL	**2,922 SF**	**---**	**1,516 SF**	**1,326 SF**	**5,764 SF**

ALLOWABLE AREA:

PRIMARY OCCUPANCY:

[ ] ASSEMBLY [ ] A-1 [ ] A-2 [ ] A-3 [ ] A-4 [ ] A-5
[X] BUSINESS
[ ] EDUCATIONAL
[ ] FACTORY [ ] F-1 Moderate [ ] F-2 Low
[ ] HIGH-HAZARD [ ] 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-1 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
[ ] PARKING GARAGE [ ] OPEN [ ] ENCLOSED [ ] REPAIR GARAGE
[ ]UTILITY & MISCELLANEOUS

ACCESSORY OCCUPANCY CLASSIFICATION(S): _____
INCIDENTAL USES (Table 509): _____
This separation is not exempt as a Non-Separated Use (see exceptions).
SPECIAL USES (Chapter 4 - List Code Sections): _____
SPECIAL PROVISIONS (Chapter 5 - List Code Sections): _____
MIXED OCCUPANCY: Select one Separation: Select one Exception: _____
Select one

Actual Area of Occupancy A / Allowable Area of Occupancy A + Actual Area of Occupancy B / Allowable Area of Occupancy B ≤1
_____ + _____ + ... = _____ ≤ 1.00

STORY NO.	DESCR'N AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2.4 AREA	(C) AREA FOR OPEN SPACE INCREASE 1,5	(D) ALLOWABLE AREA OR UNLIMITED 2,3
1	BUSINESS	5,764 sf	9,000	6,750	15,750
---	---	---	---	---	---

1. Frontage Area Increases From Section 506.2 Are Competed Thus:
   A. Perimeter Which Fronts A Public Way Or Open Space Having 20 Ft Min. Width = _____ (F).
   B. Total Building Perimeter = _____ (P).
   C. Ratio (F/P) = _____ (F/P).
   D. W= Minimum Width Of Public Way = ---- (W)
2. Unlimited area applicable under conditions of Section 507.
3. Max. Building Area = Total No. Of Stories In The Building X D (maximum 3 stories) (506.2).
4. The Maximum Area Of Open Parking Garages Must Comply With 406.5.4. The Maximum Area Of Air Traffic Control Towers Must Comply With 412.3.1.
5. Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE (TABLE 503)	SHOWN ON PLANS	CODE REFERENCE
BUILDING HEIGHT IN FEET	40 (FT)	+/-16 (FT)	---
BUILDING HEIGHT IN STORIES	1 (STORIES)	1 (STORIES)	---

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

NC DEPT. OFINSURANCE 2018 APPENDIX B BUILDING CODE SUMMARY CONTINUED

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEP'N DIST. (FT)	RATING REQ'D	RATING PROV'D (W/ * REDUCTION)	DETAIL # AND SHEET #	DES. # FOR RATED ASS'Y	DES. # FOR RATED PENET'N	DES. # FOR RATED JOINTS
STRUCTURAL FRAME, INCLUDING COLUMNS GIRDERS, TRUSSES	≥ 30'	0	0	---	---	---	---
BEARING WALLS							
EXTERIOR							
NORTH	≥ 30'	0	0	---	---	---	---
EAST	≥ 30'	0	0	---	---	---	---
WEST	≥ 30'	0	0	---	---	---	---
SOUTH	≥ 30'	0	0	---	---	---	---
INTERIOR	≥ 30'	0	0	---	---	---	---
NONBEARING WALLS AND PARTITIONS							
EXTERIOR							
NORTH	≥ 30'	0	0	---	---	---	---
EAST	≥ 30'	0	0	---	---	---	---
WEST	≥ 30'	0	0	---	---	---	---
SOUTH	≥ 30'	0	0	---	---	---	---
INTERIOR WALL & PARTITIONS		0	0	---	---	---	---
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0	0	---	---	---	---
FLOOR CEILING ASSEMBLY		0	0	---	---	---	---
COLUMNS SUPPORTING FLOORS		0	0	---	---	---	---
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0	0	---	---	---	---
ROOF CEILING ASSEMBLY		0	0	---	---	---	---
COLUMNS SUPPORTING ROOF		0	0	---	---	---	---
SHAFTS ENCLOSURES-EXIT		0	0	---	---	---	---
SHAFTS ENCLOSURES-OTHER		0	0	---	---	---	---
CORRIDOR SEPARATION		0	0	---	---	---	---
OCCUPANCY/FIRE BARRIER SEPARATION		0	0	---	---	---	---
PARTY/FIRE WALL SEPARATION		0	0	---	---	---	---
SMOKE BARRIER SEPARATION		0	0	---	---	---	---
SMOKE PARTITION		0	0	---	---	---	---
TENANT/DWELLING UNIT/SLEEPING UNIT SEPARATION		0	0	---	---	---	---
INCIDENTAL USE SEPARATION		0	0	---	---	---	---

*INDICATE SECTION NO. 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 (%)
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---

LIFE SAFETY SYSTEM REQUIREMENTS

EMERGENCY LIGHTING: [X] YES [ ] NO
EXIT SIGNS: [X] YES [ ] NO
FIRE ALARM: [ ] YES [X] NO
SMOKE DETECTION SYSTEMS: [ ] YES [X] NO
PANIC HARDWARE: [ ] YES [X] NO

LIFE SAFETY PLAN REQUIREMENTS SHEET NUMBER ____A0_____

[ ] FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
[ ] ASSUMED AND REAL PROPERTY LINE LOCATAIONS (IF NOT ON 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)
[X] OCCUPANT LOADS FOR EACH AREA
[X] EXIT ACCESS TRAVEL DISTANCES (1017)
[ ] COMMON PATH OF TRAVEL DISTANCES (1006.2.1 & 1006.3.2(1))
[ ] DEAD END LENGTHS (1020.4)
[X] CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
[X] MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.3)
[X] ACTUAL OCCUPANT LOAD FOR EACH 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 THE 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 ON TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ITEMS ABOVE

ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQ'D	ACCESSIBLE UNITS PROV'D	TYPE A UNITS REQ'D	TYPE A UNITS PROV'D	TYPE B UNITS REQ'D	TYPE B UNITS PROV'D	TOTAL ACCESSIBLE UNITS PROV'D
---	---	---	---	---	---	---	---

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF SPACES REQ'D	TOTAL # OF SPACES PROVID'D	# OF ACCESSIBLE SPACES PROVIDED: REG. WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
---	---	---	---	---	---	---
---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---

PLUMBING FIXTURE REQUIREMENT (TABLE 2902.1) USE: BUSINESS 5,764 SF/100 = 58 PEOPLE

USE		WATERCLOSETS MALE	WATERCLOSETS FEMALE	WATERCLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
SPACE	EXIST'G	---	---	---	---	---	---	---	---	---	---
	NEW	---	---	---	---	---	---	---	---	---	---
	REQ'D	---	---	---	---	---	---	---	---	---	---
PROVIDED		4	6	1	2	4	4	1		1	1

SPECIAL APPROVALS

Special Approval: (Local Jurisdiction, Dept of Insurance, OSC, DPI, DHHS, etc., describe below)

_____

NC DEPT. OFINSURANCE 2018 APPENDIX B BUILDING CODE SUMMARY CONTINUED

ENERGY SUMMARY **EXISTING TO REMAIN**

ENERGY REQUIREMENTS:
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 reference design vs annual cost for the proposed design.

Existing building envelope complies with code:_____

Exempt Building: _____ Provide code or statutory refrence:

Climate Zone: _____

Method of Compliance: _____
(If "Other" specify source here)_____

THERMAL ENVELOPE **(Prescriptive method only)**

Roof/ceiling Assembly (each assembly)
Description of assembly _____
U-Value of total assembly _____
R-Value of insulation _____
Skylights in each assembly _____
U-Value of skylight _____
Total square footage of skylights in each assembly _____

Exterior Walls (each assembly)
Description of assembly _____
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)
Description of assembly _____
U-Value of total assembly _____
R-Value of insulation _____

Floors over unconditioned space(each assembly)
Description of assembly _____
U-Value of total assembly _____
R-Value of insulation _____

Floors slab on grade
Description of assembly _____
U-Value of total assembly _____
R-Value of insulation _____
Horizontal/Vertical requirement _____
Slab heated _____

STRUCTURAL DESIGN (PROVIDE ON SHEET 1 OR 2 OF THE STRUCTURAL SHEETS)

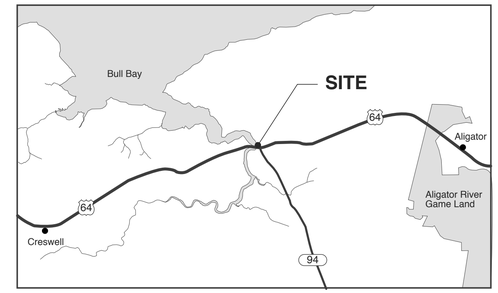
DESIGN LOADS: **EXISTING TO REMAIN**

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 ---

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**
--- Field Test --- Presumptive --- Historical Data

BASIC STRUCTURAL SYSTEM (check one)
------ BEARING WALL ------ DUAL W/SPECIAL MOMENT FRAME
------ BUILDING FRAME ------ DUAL W/INTERMEDIATE R/C OR SPECIAL STEEL
------ MOMENT FRAME ------ INVERTED PENDULUM
ANALYSIS PROCEDURE ---- SIMPLIFIED ---- EQUIVALENT LATERAL FORCE ---- DYNAMIC
ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED[ ] YES [ ] NO
LATERAL DISIGN CONTROL: EARTHQUAKE [ ] WIND [ ]
SOIL BEARING CAPACITIES:
FIELD TEST (PROVIDE COPY OF TEST REPORT) ---- psf
PRESUMPTIVE BEARING CAPACITY ---- psf
PILE SIZE, TYPE, AND CAPACITY ----



1 **VICINTY MAP**
SCALE: NTS

DRAWING INDEX

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A0.2	LIFE SAFETY PLAN
A1.1	EXIST. FLOOR PLAN-DEMO
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A1.4	ROOF PLAN
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E3	ELECTRICAL PLAN

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WBS: 15RE.12.1.3

PROJECT TITLE
TYRRELL CTY. REST AREA & VISITOR'S CTR.
US 64
COLUMBIA, NORTH CAROLINA

PROJECT NO.
1804a

DRAWING TITLE
COVER SHEET

SHEET 1 OF 11

A0.1

PLOT DATE 2/27/19
REVISION 00/00/08

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