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REVISIONS  
1 11-16-2015 Revised per Beaufort Co. Comments

NEW INDOOR COMMERCIAL POOL PLANS FOR  
**Fairfield Inn and Suites**  
2090 W 15<sup>th</sup> Street, Washington, NC 27889  
Beaufort County

**HOT SPRINGS POOLS & SPAS**  
Since 1989  
578 WOODRUFF ROAD  
GREENVILLE, SC 29607  
(864) 676-9400 (TELEPHONE)  
(864) 328-1548 (FAX)

DRAWN BY: RBH  
CHECKED BY: RRP  
DATE: July 29, 2015  
SCALE: AS NOTED

APPENDIX B

2012 APPENDIX B  
BUILDING CODE SUMMARY  
FOR ALL COMMERCIAL PROJECTS  
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)  
(Replaces the following data on the building plans (see 1 or 2))

Project Name: **FAIRFIELD INN AND SUITES**  
Address: **2090 West 15<sup>th</sup> Street WASHINGTON, NC** Zip Code: **27889**  
Proposed Use: **Construction of Indoor Commercial 897 Sq. Ft. Quale Swimming Pool**  
Contract/Authorized Agent: **Hot Springs Pools & Spas, Inc. (864) 676-9400** E-Mail: **hspools@hspools.com**  
Owned By:  City/County  Private  State  
Code Enforcement Jurisdiction:  City, **Durham**  County  State

LEAD DESIGN PROFESSIONAL: Table with columns for PROFESSIONAL, FIRM, NAME, LICENSE #, TELEPHONE #, E-MAIL.

2012 EDITION OF NC CODE FOR:  New Construction  Addition  Alteration  Repair  
EXISTING:  Reconstruction  Alteration  Repair  
CONSTRUCTED (Date): ORIGINAL USE(S) (C.A. 3):  
RENOVATED: (Date): CURRENT USE(S) (C.A. 3):  
PROPOSED USE(S) (C.A. 3):

NET BUILDING DATA: Table with columns for Gross Building Area, Net Building Area, etc. Rows for 1<sup>st</sup> Floor, 2<sup>nd</sup> Floor, etc.

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ALLOWABLE AREA

Occupancy: Assembly  A-1  A-2  A-3  A-4  A-5  
Educational  Educational  
Factory  F-1 Mediums  F-2 Low  
Hazardous  H-1 Hazardous  H-2 Dangerous  H-3 Corrosive  H-4 Health  H-5 HFSD  
Institutional  I-1  I-2  I-3  I-4  
I-5  
Manufacturing  M-1  M-2  M-3  
Residential  R-1  R-2  R-3  R-4  
Storage  S-1 Mediums  S-2 Low  
Utility and Miscellaneous  Utility  Highlifted  Highlifted  
 Parking Garage  Open  Enclosed  Super Garage

Accessory Occupancies: Assembly  A-1  A-2  A-3  A-4  A-5  
Educational  Educational  
Factory  F-1 Mediums  F-2 Low  
Hazardous  H-1 Hazardous  H-2 Dangerous  H-3 Corrosive  H-4 Health  H-5 HFSD  
Institutional  I-1  I-2  I-3  I-4  
I-5  
Manufacturing  M-1  M-2  M-3  
Residential  R-1  R-2  R-3  R-4  
Storage  S-1 Mediums  S-2 Low  
Utility and Miscellaneous  Utility  Highlifted  Highlifted  
 Parking Garage  Open  Enclosed  Super Garage

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This separation is not exempt as a Non-Separated Use (see exceptions).  
 Non-Separated Use (NSU)  
This required type of construction for the building shall be determined by applying the height and area limitations for each of its applicable occupancies to the entire building. The most restrictive type of construction, as determined, shall apply to the entire building.  
 Separated Use (SU) - 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.  
 $\frac{\text{Actual Area of Occupancy 1}}{\text{Allowable Area of Occupancy 1}} + \frac{\text{Actual Area of Occupancy 2}}{\text{Allowable Area of Occupancy 2}} \leq 1$

Table with columns: OCCUPANCY, ALLOWABLE FLOOR AREA (S.F.), INCREASED FLOOR AREA PERmitted, etc.

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Table with columns: TYPE OF CONSTRUCTION, TYPE, HEIGHT TO FINISH, etc.

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FIRE PROTECTION REQUIREMENTS

Table with columns: MINIMUM ALLOWABLE, FIRE SEPARATION, RATED, etc. Rows for various fire protection measures.

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Exterior wall opening area with respect to distance to adjacent property lines (909.3)  
Existing unexcused within 30' of the proposed building  
Occupancy types for each area as related to occupancy load calculations (1004.1.1)  
Occupancy loads for each use  
Built access travel distances (1010)  
Common path of travel distances (1014.5 & 1023.9)  
Dead end hallways (1018.4)  
Clear width within for each exit door  
Minimum calculated occupant load capacity for each exit door as determined based on egress width (1005.3)  
Actual occupant load for each exit door  
A separate egress plan including means of egress shall be submitted and approved for each use.  
Location of doors with panic hardware (1008.1.10)  
Location of doors with delayed egress locks and the egress delay (1008.1.9.3)  
Location of doors with the emergency egress locks (1008.1.9.2)  
Location of doors equipped with hold-open devices  
Location of emergency egress windows (1009)  
The square footage of each fire area (903)  
The square footage of each smoke compartment (407.4)  
Note any code exceptions or table areas that may be utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)  
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Table with columns: AREA, PERMITTED, PROHIBITED, etc. Rows for various areas.

DESIGN LOADS:  
Superimposed Factors: Wind (S), Snow (S), Seismic (S)  
Live Loads: Roof, Maximum Floor  
Ground Snow Load: \_\_\_\_\_ pcf

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Wind Load: Basic Wind Speed \_\_\_\_\_ mph (ASCE-7)  
Exposure Category \_\_\_\_\_  
Wind Baw Factors (see NFIP-25) Vx = \_\_\_\_\_ Vy = \_\_\_\_\_  
SEISMIC DESIGN CATEGORY: A B C D  
Provide the following Seismic Design Parameters:  
Occupancy Category (Table 1604.4) \_\_\_\_\_  
Special Inspection Requirements \_\_\_\_\_  
Site Classification (Table 1613.3) \_\_\_\_\_  
Seismic Design Category \_\_\_\_\_  
Basic Structural System (check one):  
 Bearing Wall  Dual w/ Special Moment Frame  
 Building Frame  Dual w/ Intermediate RC or Special Steel  
 Moment Frame  Inverted Pendulum  
Seismic Base Isolation: \_\_\_\_\_  
Analysis Procedure:  Equivalent Lateral Forces  Dynamic  
Architectural, Mechanical, Compartment Anchored?  Yes  No

LATERAL DESIGN CONTROL: Earthquake  Wind   
SOIL BEARING CAPACITIES: Fill Test Report \_\_\_\_\_ pcf  
Prescriptive Bearing Capacity \_\_\_\_\_ pcf  
Fill size, type, and capacity

SPECIAL INSPECTION REQUIREMENTS (TABLE 1607.1)  
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SPECIAL APPROVALS  
Special approval: (Local Jurisdiction, Department of Insurance, OSG, DPA, DHS, IFC, etc., describe below)

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ENERGY REQUIREMENTS

ENERGY REQUIREMENTS:  
The following data shall be considered minimum and any special provisions required to meet the energy code shall also be provided. Each Designer shall submit the required portions of the project information for the plan data sheet.  
If performance method, use the actual energy tool for the standard reference design and record energy cost for the proposed design.  
Climate Zone:  3  4  5  
Method of Compliance:  Prescriptive (Energy Code)  Performance (ENERGY 201)  
 Prescriptive (ENERGY 201)  Performance (ENERGY 201)  
THERMAL ENVELOPE  
Roof ceiling Assembly (each assembly):  
Description of assembly: \_\_\_\_\_  
U-Value of roof assembly: \_\_\_\_\_  
R-Value of roof assembly: \_\_\_\_\_  
Skylight 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 wall assembly: \_\_\_\_\_  
R-Value of wall assembly: \_\_\_\_\_  
Skylight in each assembly: \_\_\_\_\_  
U-Value of skylight: \_\_\_\_\_  
Total square footage of skylights in each assembly: \_\_\_\_\_  
Floors over unconditioned space (each assembly):  
Description of assembly: \_\_\_\_\_  
U-Value of floor assembly: \_\_\_\_\_  
R-Value of floor assembly: \_\_\_\_\_  
Floors slab on grade:  
Description of assembly: \_\_\_\_\_  
U-Value of slab assembly: \_\_\_\_\_  
R-Value of slab assembly: \_\_\_\_\_  
Foundation below grade (each assembly):  
Description of assembly: \_\_\_\_\_  
U-Value of foundation: \_\_\_\_\_  
R-Value of foundation: \_\_\_\_\_  
Slab base: \_\_\_\_\_

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MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT  
Thermal Zone: winter day be: \_\_\_\_\_ summer day be: \_\_\_\_\_  
Insulate design conditions: winter day be: \_\_\_\_\_ summer day be: \_\_\_\_\_ relative humidity: \_\_\_\_\_  
Building heating load: \_\_\_\_\_  
Building cooling load: \_\_\_\_\_  
Mechanical Spacing Conditioning System:  
Utility: \_\_\_\_\_  
Description of unit: \_\_\_\_\_  
heating efficiency: \_\_\_\_\_  
cooling efficiency: \_\_\_\_\_  
size capacity of unit: \_\_\_\_\_  
Notes: \_\_\_\_\_  
Site category, if applicable, use nearest: \_\_\_\_\_  
Cooler: \_\_\_\_\_  
Site category, if applicable, use nearest: \_\_\_\_\_  
1/4th equipment efficiency: \_\_\_\_\_  
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ELECTRICAL SUMMARY  
ELECTRICAL SYSTEM AND SERVICE SYSTEMS AND EQUIPMENT  
Method of Compliance:  Prescriptive (Energy Code)  Performance (NFPA 70-1)  Prescriptive (Performance)

Lighting schedule (each fixture type):  
Type: \_\_\_\_\_  
Number of fixtures in fixture: \_\_\_\_\_  
Ballast type used in the fixture: \_\_\_\_\_  
Number of ballasts in fixture: \_\_\_\_\_  
Total watts per fixture: \_\_\_\_\_  
Total number of fixtures in fixture: \_\_\_\_\_  
Total watts per fixture: \_\_\_\_\_  
Total number of fixtures in fixture: \_\_\_\_\_  
Total watts per fixture: \_\_\_\_\_  
Total number of fixtures in fixture: \_\_\_\_\_  
Additional Prescriptive Compliance:  
 506.2.1 More Efficient Mechanical Equipment  
 506.2.2 Enhanced Lighting Power Density  
 506.2.3 Energy Recovery Ventilation Systems  
 506.2.4 High-Efficiency Variable Voltage Motors  
 506.2.5 On-Site Supply of Renewable Energy  
 506.2.6 Automatic Daylighting Control Systems

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NOTE:  
PLANS ARE FOR POOL CONSTRUCTION ONLY.  
ANY REQUIRED REVISED CONSTRUCTION DRAWINGS INCLUDING PLUMBING, MECHANICAL AND ELECTRICAL CHANGES NECESSARY FOR POOL PERMIT AND INSTALLATION ARE THE RESPONSIBILITY OF OTHERS  
ALL BUILDING, EQUIPMENT & CHEMICAL ROOM NOTES AND SPECIFICATIONS ARE FOR COORDINATION AND INFORMATION ONLY.  
ELECTRICAL DATA IS FOR COORDINATION AND INFORMATION ONLY