

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES)

NAME OF PROJECT: GREENVILLE CONVENTION CENTER REPLACEMENT OF EPDM ROOFING
ADDRESS: _____ ZIP CODE: _____
OWNER/AUTHORIZED AGENT: _____ PHONE # 252-850-0000 E-MAIL: _____
OWNED BY: _____ CITY/COUNTY _____ STATE _____
CODE ENFORCEMENT JURISDICTION: CITY GREENVILLE COUNTY N/A STATE _____

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ARCHITECTURAL N/A N/A N/A N/A N/A
CIVIL N/A N/A N/A N/A N/A
ELECTRICAL N/A N/A N/A N/A N/A
FIRE ALARM N/A N/A N/A N/A N/A
PLUMBING N/A N/A N/A N/A N/A
MECHANICAL N/A N/A N/A N/A N/A
SPRINKLER-STANDPIPE N/A N/A N/A N/A N/A
STRUCTURAL N/A N/A N/A N/A N/A
RTG. WALLS >5 HIGH N/A N/A N/A N/A N/A
LANDSCAPE N/A N/A N/A N/A N/A
INTERIORS N/A N/A N/A N/A N/A
OTHER N/A N/A N/A N/A N/A

2018 NC BUILDING CODE: NEW BUILDING ADDITION RENOVATION 1ST TIME INTERIOR COMPLETION
 SHELL/CORE - CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS.
 PHASED CONSTRUCTION - SHELL/CORE - CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS.
2018 NC EXISTING BUILDING CODE: PRESRIPTIVE REPAIR CHAPTER 14
ALTERATION: LEVEL I LEVEL II LEVEL III CHANGE OF USE
CONSTRUCTED (DATE): 2001 CURRENT OCCUPANCY(S) (CH. 3): A-3
RENOVATED (DATE): _____ PROPOSED OCCUPANCY(S) (CH. 3): A-3
RISK CATEGORY (TABLE 1604.5): _____ CURRENT: I II III IV
PROPOSED: I II III IV

BASIC BUILDING DATA

CONSTRUCTION TYPE: I-A II-A III-A IV V-A
(CHECK ALL THAT APPLY) II-B III-B IV V-B
SPRINKLERS: NO PARTIAL YES NFPA 13 NFPA 13R NFPA 13D
STANDPIPES: NO YES CLASS: I II III WET DRY
FIRE DISTRICT: NO YES FLOOD HAZARD AREA: NO YES
SPECIAL INSPECTIONS REQUIRED: NO YES (CONTACT THE LOCAL INSPECTION JURISDICTION FOR ADDITIONAL PROCEDURES AND REQUIREMENTS)

GROSS BUILDING AREA TABLE:

FLOOR	EXISTING (SQ. FT.)	RENOVATION (SQ. FT.)	NEW (SQ. FT.)	SUB-TOTAL
7th FLOOR	0	0	0	0
6th FLOOR	0	0	0	0
5th FLOOR	0	0	0	0
4th FLOOR	0	0	0	0
3rd FLOOR	0	0	0	0
2nd FLOOR	0	0	0	0
1st FLOOR	0	0	0	0
BASEMENT	0	0	0	0
TOTAL	0	0	0	0

ALLOWABLE AREA

PRIMARY OCCUPANCY CLASSIFICATION(S): A-1 A-2 A-3 A-4 A-5
 BUSINESS EDUCATIONAL FACTORY HAZARDOUS INSTITUTIONAL MERCANTILE RESIDENTIAL STORAGE UTILITY AND MISCELLANEOUS
ACCESSORY OCCUPANCY CLASSIFICATION(S): _____
INCIDENTAL USES (TABLE 509): _____
SPECIAL USES (CHAPTER 4 - LIST CODE SECTIONS): _____
SPECIAL PROVISIONS: (CHAPTER 5 - LIST CODE SECTIONS): _____
MIXED OCCUPANCY: NO YES SEPARATION: _____ HR EXCEPTION: _____
 NON-SEPARATED USE (508.3) - THE SEPARATION OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OCCUPANCY CLASSIFICATION AND 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 + ALLOWABLE AREA OF OCCUPANCY B ≤ 1
ALLOWABLE AREA OF OCCUPANCY A + ALLOWABLE AREA OF OCCUPANCY B ≤ 1.00

STORY NO.	(A) BLDG. AREA AND USE (ACTUAL)	(B) BLDG. AREA FOR OCCUPANCY INCREASE	(C) AREA FOR OCCUPANCY INCREASE	(D) ALLOWABLE AREA FOR UNLIMITED
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1. FRONTAGE AREA INCREASES FROM SECTION 506.2 ARE COMPUTED THUS:
a. PERMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = _____ (F)
b. PERMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = _____ (F)
c. RATIO (F/P) = _____ (F)
d. W = MINIMUM WIDTH OF PUBLIC WAY = 100(F/P-0.25) x W/20 = _____ (W)
e. RATIO (F/P) = _____ (F)
2. UNLIMITED AREA INCREASE INCREASE = 100(F/P-0.25) x W/20 = _____ (W)
3. MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORES IN THE BUILDING x D (MAXIMUM 3 STORES) (506.2).
4. THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.4. THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.4. THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.4.
5. FRONTAGE INCREASE IS BASED ON THE UNSPRINKLERED AREA VALUE IN TABLE 506.2.

ALLOWABLE HEIGHT

BUILDING HEIGHT IN FEET (TABLE 504.3)	FEET	STORIES
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1. PROVIDE CODE REFERENCE IF THE "SHOWN ON PLANS" QUANTITY IS NOT BASED ON TABLE 504.3 OR 504.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING (HOURS)	PROVIDED REDUCED (HOURS)	DETAIL SHEET #	DESIGN #	DESIGN #	DESIGN #
STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES	---	---	---	---	---	---	---
BEARING WALLS	---	---	---	---	---	---	---
EXTERIOR	---	---	---	---	---	---	---
NORTH	---	---	---	---	---	---	---
EAST	---	---	---	---	---	---	---
SOUTH	---	---	---	---	---	---	---
WEST	---	---	---	---	---	---	---
INTERIOR	---	---	---	---	---	---	---
NONBEARING WALLS AND PARTITIONS	---	---	---	---	---	---	---
EXTERIOR WALLS	---	---	---	---	---	---	---
NORTH	---	---	---	---	---	---	---
EAST	---	---	---	---	---	---	---
SOUTH	---	---	---	---	---	---	---
WEST	---	---	---	---	---	---	---
INTERIOR WALLS & PARTITIONS	---	---	---	---	---	---	---
FLOOR CONSTRUCTION INCLUDING BEAMS & JOISTS	---	---	---	---	---	---	---
FLOOR CEILING ASSEMBLY	---	---	---	---	---	---	---
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS & 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	---	---	---	---	---	---	---
TELEPHONE/DWELLING UNIT SLEEPING UNIT SEPARATION	---	---	---	---	---	---	---
INCIDENTAL USE SEPARATION	---	---	---	---	---	---	---

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 (%)
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LIFE SAFETY SYSTEM REQUIREMENTS

EMERGENCY LIGHTING: NO YES
EXIT SIGNS: NO YES
FIRE ALARM: NO YES
SMOKE DETECTION SYSTEMS: NO YES PARTIAL
CARBON MONOXIDE DETECTION: NO YES

LIFE SAFETY PLAN REQUIREMENTS

LIFE SAFETY PLAN SHEET # _____ 62.1

FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
 ASSUMED AND REAL PROPERTY LINE LOCATIONS (IF NOT ON THE 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)
 OCCUPANT LOADS FOR EACH AREA
 EXIT ACCESS TRAVEL DISTANCES (1017)
 COMMON PATH OF TRAVEL DISTANCES (TABLES 1006.2.1 & 1006.3.2(1))
 DEAD END LENGTHS (1020.4)
 CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
 MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1009.3)
 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 (1010.1.10)
 LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND THE AMOUNT OF DELAY (1010.1.9.7)
 LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1010.1.9.9)
 LOCATION OF EMERGENCY ESCAPE WINDOWS (1030)
 LOCATION OF EMERGENCY ESCAPE WINDOWS (1030)
 THE SQUARE FOOTAGE OF EACH FIRE AREA (902)
 THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT FOR OCCUPANCY CLASSIFICATION I-2 (407.5)
 NOTE ANY CODE EXCEPTIONS OR TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ITEMS ABOVE.

ACCESSIBLE DWELLING UNITS (SECTION 1107)

ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A REQUIRED	TYPE A PROVIDED	TYPE B REQUIRED	TYPE B PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED	TOTAL ACCESSIBLE UNITS REQUIRED
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ACCESSIBLE PARKING (SECTION 1108)

LOT OR PARKING AREA	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	13' AISLE	8' AISLE	TOTAL ACCESSIBLE SPACES PROVIDED	TOTAL ACCESSIBLE SPACES REQUIRED
---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE	WATER CLOSETS	URINALS	MALE	FEMALE	UNISEX	SHOWERS	DRINKING FOUNTAINS
SPACE	EXISTING	---	---	---	---	---	---
SPACE	NEW	---	---	---	---	---	---
SPACE	EXISTING	---	---	---	---	---	---
SPACE	NEW	---	---	---	---	---	---
SPACE	EXISTING	---	---	---	---	---	---
SPACE	NEW	---	---	---	---	---	---

SPECIAL APPROVALS

SPECIAL APPROVAL (LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPH, DHHS, ETC., DESCRIBE BELOW): _____

ENERGY SUMMARY

EXISTING BUILDING ENVELOPE COMPLIES WITH CODE: NO YES (THE REMAINDER OF THE SECTION IS NOT APPLICABLE.)
EXEMPT BUILDING: NO YES (PROVIDE CODE OR STATUTORY REFERENCE): Existing Building code - 610.2

CLIMATE ZONE: 3A 4A 5A

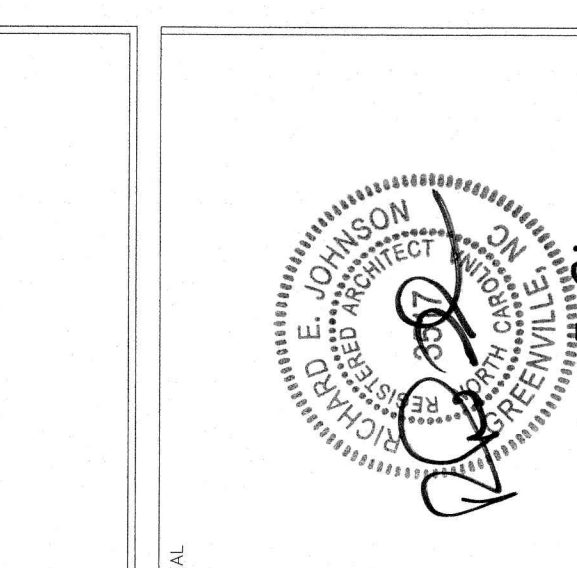
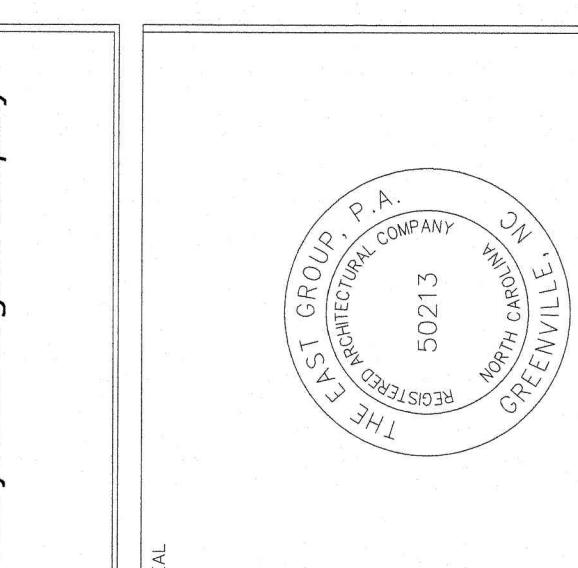
METHOD OF COMPLIANCE:
ENERGY CODE: PERFORMANCE PRESRIPTIVE
ASHRAE 90.1: PERFORMANCE PRESRIPTIVE
(IF "OTHER" SPECIFY SOURCE HERE: _____)

THERMAL ENVELOPE (PRESRIPTIVE 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 INSULATION: _____
R-VALUE OF TOTAL ASSEMBLY: _____
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: _____



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NC Landscape License No. C-427



REV	DATE	DESCRIPTION
0	1/15/21	ISSUED FOR CONSTRUCTION

CLIENT PROJECT NO.	PROJECT TITLE
20200132	CITY OF GREENVILLE CONVENTION CENTER REPLACEMENT OF EPDM ROOFS

DATE	DESCRIPTION
1/15/21	ISSUED FOR CONSTRUCTION