

APPENDIX B - BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

Codesum2005

NAME OF PROJECT: Tobaccoville Village Hall
ADDRESS: Tobaccoville Road
PROPOSED USE: Business
OWNER or CONTACT PERSON: David Kessler
PHONE #: (336) 721-4447

LEAD DESIGN PROFESSIONAL:
DESIGNER: FIRM NAME, LICENSE #, PHONE #
ARCHITECTURAL: THH Architecture, PC, David Kessler, 5635, (336) 721-4447
ELECTRICAL: AT&E Design, Allen G. Robinson, PE, 6701, (336) 765-2371

YEAR EDITION OF CODE:
NEW CONSTRUCTION, RENOVATION (EXISTING BUILDING), ADDED, ALTERATION

BUILDING DATA:
CONSTRUCTION TYPE: I-A, I-B, II-A, II-B, III-A, III-B
SPRINKLERS: YES/NO, CLASS, TYPE
FLOOR AREA: GROSS BUILDING AREA, EXISTING, NEW, SUB-TOTAL

ALLOWABLE AREA:
PRIMARY OCCUPANCY: ASSEMBLY, BUSINESS, HIGH HAZARD, INSTITUTIONAL, MERCANTILE, STORAGE
SECONDARY OCCUPANCY: SPECIAL, MIXED
ACTUAL AREA OF OCCUPANCY A, B, C, D, E

Table with 7 columns: STORY #, DESCRIPTION AND USE, (A) FLOOR AREA PER STORY (ACTUAL), (B) TABLE 503.2 AREA, (C) AREA FOR OPEN SPACE INCREASE 1, (D) AREA FOR SPRINKLER INCREASE 2, (E) ALLOWABLE AREA OR UNLIMITED 3, (F) MAXIMUM BUILDING AREA 4

1. OPEN SPACE AREA INCREASES FROM SECTION 506.2 ARE COMPUTED THIS:
a. PERIMETER WHICH PRESENTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET PERIMETER WIDTH
b. TOTAL BUILDING PERIMETER
c. BASED ON 100%
d. 10% PERIMETER WIDTH OF PUBLIC WAY
e. PERCENT OF PERIMETER INCREASE 1/100 (100% - 0.01% x 100%)

Table with 5 columns: TYPE OF CONSTRUCTION, ALLOWABLE (TABLE 503.1), INCREASE FOR SPRINKLERS, SHOWN ON PLANS, CODE REFERENCE

ALLOWABLE HEIGHT:
DESIGN LOADS: WIND, SNOW, SEISMIC, LIVE LOADS, ROOF, MEZZANINE, FLOOR
SEISMIC DESIGN CATEGORY A, COMPLIANCE WITH SECTION 1604.4 ONLY: YES/NO
SEISMIC DESIGN CATEGORY B, C, & D: PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS

FIRE PROTECTION REQUIREMENTS:
BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), RATING, DETAIL #, SHEET #, DESIGN # FOR RATED ASSEMBLY, DESIGN # FOR RATED PENETRATION, DESIGN # FOR RATED JOINTS

LIFE SAFETY SYSTEM REQUIREMENTS:
EMERGENCY LIGHTING, EXIT SIGNS, FIRE ALARMS, SMOKE DETECTION SYSTEMS, PAID HARDWARE

EXIT REQUIREMENTS:
NUMBER AND ARRANGEMENT OF EXITS: FLOOR, ROOM OR SPACE DESIGNATION, MINIMUM NUMBER OF EXITS, TRAVEL DISTANCE, ARRANGEMENT MEANS OF EGRESS

EXIT WIDTH:
USE GROUP OR SPACE DESIGNATION, (A) AREA, (B) AREA PER OCCUPANT (TABLE 1003.2.2), (C) EGRESS WIDTH PER OCCUPANT (TABLE 1003.2.3), (D) REQUIRED WIDTH (SECTION 1003.2.3), (E) ACTUAL WIDTH (SECTION 1003.2.3)

1. SEE TABLE 1003.2.2 TO DETERMINE WHETHER NET OR GROSS AREA IS APPLICABLE.
2. SEE DEFINITION AREA, GROSS AND AREA NET (SECTION 1002)
3. FOOTNOTE DELETED
4. MINIMUM STAIRWAY WIDTH (SECTION 1003.2.3.1) - MIN. CORRIDOR WIDTH (SECTION 1004.3.2.1) - MIN. DOOR WIDTH (SECTION 1003.3)
5. MINIMUM WIDTH OF EXIT PASSAGEWAY (SECTION 1003.2.3)
6. THE LOSS OF ONE MEANS OF EGRESS SHALL NOT REDUCE THE AVAILABLE CAPACITY TO LESS THAN 50 PERCENT OF THE TOTAL REQUIRED (SECTION 1003.2.3)
7. ASSEMBLY OCCUPANCIES (SECTION 1003)

STRUCTURAL DESIGN:
DESIGN LOADS: WIND, SNOW, SEISMIC, LIVE LOADS, ROOF, MEZZANINE, FLOOR
SEISMIC DESIGN CATEGORY A, COMPLIANCE WITH SECTION 1604.4 ONLY: YES/NO
SEISMIC DESIGN CATEGORY B, C, & D: PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS

PLUMBING FIXTURE REQUIREMENTS:
OCCUPANCY, WATERCLOSETS (MALE, FEMALE), URINALS, LAVATORIES (MALE, FEMALE), SHOWERS/TUBS, DRINKING FOUNTAINS (REGULAR, ACCESSIBLE)

ACCESSIBLE PARKING:
LOT OR PARKING AREA, TOTAL # OF PARKING SPACES (REQUIRED, PROVIDED), # OF ACCESSIBLE SPACES PROVIDED (REGULAR WITH B, VAN SPACES WITH B), TOTAL # ACCESSIBLE PROVIDED

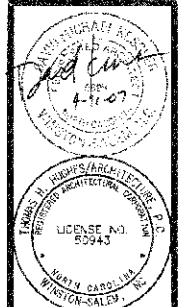
SPECIAL APPROVALS:
LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, SMOKE, ETC. DESCRIBE BELOW

SCHEDULE FOR SPECIAL INSPECTIONS:
1.
2.
3.
4.
5.
6.
NOTES:

ENERGY SUMMARY:
ENERGY REQUIREMENTS: THE FOLLOWING DATA SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTENDANCE REQUIRED TO MEET THE ENERGY CODES SHALL ALSO BE PROVIDED.
THERMAL ENVELOPE: METHOD OF COMPLIANCE: PRESCRIPTIVE, PERFORMANCE, ENERGY COST BUDGET

ROOF / CEILING ASSEMBLY (8' FLAT ROOF): DESCRIPTION OF ASSEMBLY, U-VALUE OF TOTAL ASSEMBLY, R-VALUE OF INSULATION, ETC.
EXTERIOR WALLS (TYPICAL ASSEMBLY): DESCRIPTION OF ASSEMBLY, U-VALUE OF TOTAL ASSEMBLY, R-VALUE OF INSULATION, ETC.
WALLS ADJACENT TO UNCONDITIONED SPACE (each ASSEMBLY): DESCRIPTION OF ASSEMBLY, U-VALUE OF TOTAL ASSEMBLY, R-VALUE OF INSULATION, ETC.
WALLS BELOW GRADE (each ASSEMBLY): DESCRIPTION OF ASSEMBLY, U-VALUE OF TOTAL ASSEMBLY, R-VALUE OF INSULATION, ETC.
FLOORS OVER UNCONDITIONED SPACE (each ASSEMBLY): DESCRIPTION OF ASSEMBLY, U-VALUE OF TOTAL ASSEMBLY, R-VALUE OF INSULATION, ETC.
FLOORS SLAB ON GRADE (each ASSEMBLY): DESCRIPTION OF ASSEMBLY, U-VALUE OF TOTAL ASSEMBLY, R-VALUE OF INSULATION, ETC.

DESIGNER'S STATEMENT: TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE THERMAL ENVELOPE REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, VOL. X - ENERGY
SIGNED: David Kessler
NAME: David Kessler
TITLE: Architect



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REVISIONS table with columns for revision number and description.

TOBACCOVILLE VILLAGE HALL
NEW VILLAGE HALL
Tobaccoville, NC

JOB: 06-66
DATE:
DRAWN: A. Eden
SHEET:
CF 14