



G R E S H A M  
S M I T H   A N D  
P A R T N E R S

## **MEMORANDUM**

**SUBJECT: CODE RESEARCH:SPRINKLER REQUIREMENTS  
FOUNDERS HALL (BUILDING 002)**

### **I. Source of Information:**

-Calculations and research were based on the building construction documents received from the UNF Facilities Planning Office.

-Applicable Building Code is: *2004 Florida Building Code*

### **II. Summary of Existing Conditions:**

-Conversion from the previous *2001 Florida Building Code* of a type IV building equates to the *2004 Florida Building Code* of a type II-A.

-Founders Hall is essentially 2 structures that have been connected. As a whole it is defined as type II-A Construction. This was determined from the wall sections of the non-renovated portion issued in drawing dated from 1972 that displays the same construction materials as the renovated area in 2002.

-The occupancy classification of Founders Hall is Business Occupancy (an educational fire protected building over the 12<sup>th</sup> grade).

### **III. Recommendations:**

-Pertaining to the *2004 Florida Building Code 2004* if storage rooms are over 100 sq. ft. the use of a sprinkler system or a 1 hr fire rated wall will be needed.

-Pertaining to the *2004 Florida Building Code* the max travel distance without a sprinkler system is 200 ft. and with a sprinkled building it is 300 ft.

-Pertaining to the *2004 Florida Building Code* the building incorporates an assembly hall with a capacity of 100 or more people, and/or over 750 sq. ft. then a 2 hr fire rated wall or sprinkler system will be needed.

-Long term, it may be more economical to install the sprinkler system which could lower the price of the insurance premium.

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