Project Description: The tenant is currently leasing the 4th floor of the building. The tenant is planning to lease the 2nd floor and modify the existing floor plan to provide a fitness room, showers, offices, and meeting spaces

Chapter 39: Existing Business Occupancies

39.1 General Requirements

39.1.1 Application.

Discussion: The building is currently in use by various businesses. No change in occupancy is proposed.

39.1.2 Multiple Occupancies:

Not Applicable

39.1.3 Special Definitions:

Not Applicable

39.1.4 Classification of Occupancy: Business: See 6.1.11

Discussion: The Tenant, Kepware Technologies is an information technology company. The occupant's activities conform with the definition of a Business Occupancy in 6.1.11.1.

39.1.5 Classification of Hazard of Contents: see section 6.2.2

Discussion: The contents of this office comply with the Code's description of Ordinary Hazard Contents in section 6.2.2.3* Ordinary Hazard Contents.

39.1.6 Minimum Construction Requirements: Not Applicable

39.1.7 Occupant Load:

Discussion The occupant load has been calculated according to Table 7.3.1.2. See drawing ref. 4

39.2 Means of Egress Requirements

39.2.1 General

Discussion: The means of egress for the work of this project have been designed in accordance with Chapter 7 and Chapter 39

39.2.2 Means of Egress Components.

39.2.2.2 Doors. Doors complying with 7.2.1 shall be permitted

7.2.1.4.1 (4) Swinging-Type Door Assembly Requirement

Discussion: Horizontal sliding doors are permitted for egress from stretching room where occupant load is less than 10

7.2.1.4.2 Door Leaf Swing Direction

Discussion: door can swing opposite direction of travel with room occupant load less than 50

39.2.3 Capacity of Means of Egress.

Discussion: The area of the project excludes the existing egress stairs and elevators. No areas of a new occupancy, such as assembly, are proposed that would alter the existing occupant load of either floor. We can therefore assume that the existing egress stairs have sufficient capacity by previous permits

39.2.3.2 Clear width required

Discussion: a clear width of at least 44" has been provided at new passageways

39.2.4 Number of Exits.

39.2.4.1 (2) 2 exits required

Discussion: Two stair enclosures Labeled 1 and 2 on the plans serve each floor. A third means of egress is provided by stair #3, not shown on the plans

39.2.4.2 Exit access is allowed to be on a single path for up to the maximum common path of travel allowed

Discussion: Maximum Common Path of travel = 100 feet. (per 39.2.5.3.1) See drawing ref. 2 for depiction of Common Paths of travel

39.2.5 Arrangement of Means of Egress.

39.2.5.2* Dead-end corridors shall not exceed 50 ft

Discussion: See drawing ref 3 for depiction of dead ends

39.2.5.3.1 Common path of travel shall not exceed 100 ft on a story protected throughout by an approved automatic sprinkler system in accordance with 9.7.1.1(1).

Discussion: See ref. 3 for depiction of Common Paths of travel

39.2.6 Travel Distance to Exits.

39.2.6.3 Travel distance shall not exceed 300 ft (91 m) in business occupancies protected throughout by an approved, supervised automatic sprinkler system in accordance with Section 9.7.

Discussion: ref. 2 for depiction for depiction of Travel Distance to Exit

39.2.7 Discharge from Exits.

Discussion: The modifications to the floor plan are wholly within the tenant's space on the 2nd and 4th floor. There is no modification to the existing exit discharge that is Discussion: See Life Safety Plans for depiction of Travel Distance to Exit required or proposed

39.2.8 Illumination of Means of Egress.

Discussion: Lighting, with a combination of motion sensor–type lighting switches and dedicated circuits will be provided so that the illumination at all floor areas will be a minimum of 1 ft candle when occupants are present.

39.2.9 Emergency Lighting.

Discussion: See Life Safety Devices plans for existing and new emergency lighting.

39.2.10 Marking of Means of Egress.

Discussion: See Life Safety Devices plans for existing and new exit signs

39.2.11 Special Means of Egress Features. Not applicable

39.3 Protection

39.3.1 Protection of Vertical Openings. (Not Applicable)

39.3.2 Protection from Hazards.

Discussion: Materials within this tenant space are routine office supplies that would be considered ordinary hazard materials, and therefore not required to be separated per 39.3.2.2. The appliances in the kitchenette area are used for food warming and are not flue connected

39.3.3 Interior Finish.

Discussion: There is no modification to the existing exits or exit access corridors. The interior wall and, finishes in the area of work may be Class A, Class B or Class C.

39.3.4 Detection, Alarm, and Communications Systems.

39.3.5 Extinguishment Requirements.

Discussion: See life safety plans for locations of fire extinguishers. Maximum travel distance to a fire extinguisher shall be 75'

39.3.6 Corridors. (No requirements.)

39.3.7 Subdivision of Building Spaces. (No special requirements.)

39.4 Special Provisions 39. (not applicable: applies to high rise and air traffic control towers.)

39.5 Building Services

39.5.1 Utilities

Not Applicable

39.5.2 Heating, Ventilating, and Air-Conditioning

Discussion: HVAC design shall be submitted separately by HVAC design/build contractor

39.5.3 Elevators, Escalators, and Conveyors

Not Applicable

39.5.4 Rubbish Chutes, Incinerators, and Laundry Chutes.

Not Applicable

39.6 Reserved

39.7.1 Emergency Plans.

Discussion: Tenant shall provide training to designated employees in the use of portable fire extinguishers. Tenant shall conduct drills in accordance with section 4.7