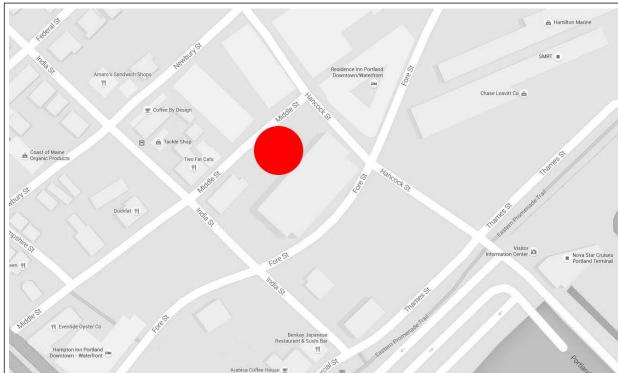
16 MIDDLE 16 MIDDLE ST PORTLAND, MAINE

DATE OF ISSUE

SUBMISSION - DATE



LOCATION MAP NOT TO SCALE

CONTACTS

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RELEVANT CODES NFPA 101 **New Business Occupancy Chapter 38** Building construction is II (000) and I (332) 1st floor occupancies are **<u>separated</u>** from floors 2 - 5 Potential use for Buisiness, Assembly, Mercantile or Storage Existing Use - For parking garage entry drive 2nd - 5th Floors Business Use 38.1.5 38.6 Ordinary Hazard Min. construction requirements Occupant Load 1st Floor potential occupant load Largest potential occupant load is from assembly use 2.228 sqft / 100 sqft/person = 22 4,456 sqft / 15 sqft/person = 297 2nd - 5th Floors occupant load 10,712 sqft / 200 sqft/person = 53 Means of egress shall be per Chapter 7 38.2 Stairs to comply w/7.2.3 38.2.2.3.1 Alternating tread devices permitted 38.2.2.11 Area of refuge not required w/sprinkler 38.2.2.12.2 Capqcity of means of egress 38.2.3.1 53 occupants x .3"/ft. = 16" Min. corridor width = 44" 38.2.3.2 Street floor exits shall be sufficient for street 38.2.3.3 floor loand plus stair load 38.2.4.1 2 exits accessible from every part of every story Arrangement of means of egress 38.2.5 Exits at 1/3 diagonal 7.5.1.3.3 Dead ends = 50ft w/sprinkler 38.2.5.2.1 Common path = 100' w/sprinkler 38.2.5.3.2 Travel distance = 300' w/sprinkler 38.2.6.3 38.2.9 Emergency lighting required Vertical openings = 2 hours 8.6.5 Interior finish 38.3.3.2.1 Exits and exit access corridors Class A or B Interior walls and ceilings Class C 38.3.3.2.1 Floor Finish In exits Class 1 or 2 38.3.3.3 Alarm required 38.3.4.1 Initiation by sprinkler 38.3.4.2(3) Portable extinguishers required per 9 38.3.5 No corridor rating required w/sprinkler 38.3.6.1(3)

DRAWING LIST GENERAL AC0.1 COVER SHEET CS1.2 CODE SUMMARY General Notes and Legend Boundry and Topographic Survey Amended Recording Plat Existing Conditions and Demolition Plan Construction Management Plan Site Layout Plan Grading, Drainage and Erosion Control Plan Pavement, Curb and Sidewalk Details Utility and Miscellaneous Details Utility and Miscellaneous Details Landscape Plan STRUCTURAL DRAWINGS Foundation Plan Second Floor Framing Plan Third Floor Framing Plan Fourth Floor Framing Plan Fifth Floor Framing Plan Roof Framing Plan Typical Details Typical Details Typical Details Typical Details Typical Details Column Schedule and Pier Details Brace Framing Elevations and Details Foundation Sections and Details Steel Sections and Details ARCHITECTURAL DRAWINGS First Floor Plan Second Floor Plan Third Floor Plan

Fourth Floor Plan Fifth Floor Plan

Building Elevations Building Elevations Building Sections Elevator Section and Details Stair Sections and Details Stair Sections and Details

Wall Sections

Floor, Ceiling, Roof Types RCP - First Floor

Window Schedule Exterior Details Exterior Details A8.05 Exterior Details

ELECTRICAL DRAWINGS First Floor Electrical Plan Typical Floor Electrical Plan E1.3 Roof Electrical Plan Notes, Abbreviations and Symbols

MECHANICAL DRAWINGS M1.01 HVAC First Floor Plan

HVAC 2,3,4 Floor Plans M1.03 HVAC Fifth Floor Plan M1.04 **HVAC** Roof Plan Mechanical Details and Legend

Chapter 6- Types of Construction

Table 601 - Fire Resistance Ratings for Building Elements

Chapter 10- Means of Egress 1004 Occupant Load Table 1004.1 Maximum Floor Area Allowances per Occupant Business Mercantile 200 gross sf Parking- Garage Spaces 1005 Egress Width

doors and 44" wide stairs)

CODE SUMMARY

Floor Area **Occupants** 10,712 SQFT 53 10.7" Levels 2-5 A minimum of 2 egress or stair locations provided at each floor (36" wide Clear width 48". Not Required in buildings with automotic sprinkler system. Exception no. 2

Chapter 4- Special Detailed Requirements Based on Use and Occupancy

1007.4 Elevators Exception 2: Area of refuge not required if building equipped with automatic sprinkler system.

1007.8 Two-way communication system shall be provided at each elevator

1008 Doors, Gates and Turnstiles

1007 .10 Directional signage shall be provided at elevator landings.

1008.1.1 Size of Doors- Minimum Clear width = 32", maximum leaf width 48" Note: Non-egress doors are sized to meet Accessibility requirements per 521

1008.1.5 Provide a level landing on each side of door, except at exterior locations with 2% slope pitch for drainage.

1008.1.8 48" plus door width required minimum space between doors in series. **1008.1.9.10** Interior stairway means of egress doors shall be openable from both

Exception 1: Stairway discharge doors shall only be locked from the opposite

1009.12 Handrails required on each side of stair.

1009.13. Stairway to Roof- In buildings four or more stories in height, one stairway shall extend to the roof surface. In buildings without an occupied roof, access to the roof from the top story shall be permitted to be by an alternating tread device.

1013.1 Guard (rails) are required at stairs more than 30" above the floor and within 36" horizontally to the edge of the open side.

Section 1014 Exit Access **1014.3 Common Path of Egress Travel-** 125' maximum per exception no. 4. In buildings with automalic sprinkler system, for Group R-2 occupancy. 100' maximum per exception No.1 in Group S occupancies.

1015- Exit and Exit Access Doorways **1015.1** Two exits required from any space except as permitted by Table 1015.1 Table 1015.1 Spaces with one exit or exit access doorway

Occupant Load- Max./ Actual Doors Required/ Provided <u>Occupancy</u> M Retail A

1015.2.1 Two Exits or Exit Access Doorways= Exit doors shall be placed not less than 1/3 (exception #2) the length of the maximum overall diagonal Fire Area Max. Diagonal 1/3 Min

Actual 58'-2" 1- 6,684 sf 125'-6" 2- 10.712 sf 168'-0" 56'-0" 58'-2" 3- 10,712sf 168'-0" 56'-0" 58'-2" 168'-0" 58'-2" 4- 10.712sf 56'-0" 168'-0" 56'-0" 58'-2" 5- 9,673 sf

B-Business 300'

Chapter 7- Fire and Smoke Protection Features

704 Fire Rating of Structural Members

704.3 Primary Structural Frame

*Floors 2 thru 5 similar