## Section 6.1.2.1 - The Retail / Tasting room is classified as "Assembly" (over 50 occupants). Section 6.1.13 - The remainder of the space to be classified as "Storage". Section 6.1.14.3 - The requirements of a Non-Separated Mixed-Use occupancy shall be utilized. Table 6.1.14.4.1 - The separation between this tenant space (Assembly) and the adjacent tenant (Industrial - General Purpose) to be a 1-hour rated assembly (reduction of 1-hour due to sprinkler). Section 7.1.3.2 - The existing exit stair out of the Warehouse area shall comply with this section and be 1-hour rated. There is an existing sprinkler system throughout the space that shall be maintained per NFPA 25. There is an existing fire alarm system throughout the remainder of this building, but not in this current tenant space. The system will be expanded to include this tenant space. This project consists of three areas, an 2,489 square foot loading dock (shared with adjacent tenant), a 8,623 square foot storage / warehouse space, and an 1,852 square foot retail space. The storage space will be used for storing and ageing beer, while the retail space will be used for tasting/purchasing beer and other promotional items. The size of the retail area requires the area to be classified as an "Assembly" use, while the remainder will be classified as "Storage". This tenant space has been classified as a "Non-separated, Mixed-Use" space. Section 6.2.2.3 - The contents shall be classified as Ordinary Hazard contents. 7.2.1 - Doors shall comply with this section (including panic hardware 7.2.1.7) and fire exit hardware, This project consists of three areas, an 2,489 square foot loading dock (shared with adjacent tenant), a 8,623 square foot storage / warehouse space, and an 1,852 square foot retail space. The storage space will be used for storing and ageing beer, while the retail space will be used for tasting/purchasing beer and other promotional items. Although the retail area is defined as Assembly in NFPA (due to over 50 occupants), there is more definition of "Assembly" in the IBC code. It could be argued that the retail space is an A-2 occupancy. However, drink consumption is not the main intent of this space. The main intent is to purchase beer and other promotional items by individuals (see commentary in Section 309.1). Therefore, this space is classified as a Retail space. The remainder is defined as a Storage occupancy. This tenant space has been classified as a "Non-separated, Mixed-Use" space. There is an existing sprinkler system throughout the space that shall be maintained per NFPA 25. There is an existing fire alarm system throughout the remainder of this building, but not in this current tenant space. The system will be expanded to include this tenant space. This project consists of three areas, an 2,489 square 8,623 square foot storage / warehouse space, and a will be used for storing and ageing beer, while the and other promotional items. Although the retail a occupants), there is more definition of "Assembly space is an A-2 occupancy. However, drink consumtent is to purchase beer and other promotional it 309.1). Therefore, this space is classified as a Ret occupancy. This tenant space has been classified **Table 508.4** - The separation between this tenant space (Mercantile or S-1) and the adjacent tenant space (assumed to be F-2 for alcohol under 16%, see section 306.3) to be 1-hour. **Section 508.3** - The requirements of this occupancy within this tenant space. Chapter 3 - Use and Occupancy Classification Section 309.1 - The Tasting / Retail area is defi Section 311.2 - The remainder of the space is c Code Review - IBC 2012 Chapter 5 - General Building Heights and Are SUMMARY **Note:** This is defined as Moderate Hazard Storage of the space is defined as Storage - S-1 (Moderate Hazard Storage). Seer is less than 16% alcohol (see Section 311.3), the containers are not metal, glass, or ceramic. section to be utilized for this space to allow a Non-Separated a Mercantile occupancy. MAINE MEAD WORKS EXISTING 1HR DOOF 9 OCCUPANTS EXISTING EXIT SIGN 110 CD 193'-11" BARREL STORAGE AREA T0 NOTE: IF THE EXPANSION OF FIRE ALARM SYSTEM RE ALARM PANEL IN THI: SMOKE DETECTOR IN TH NOTE: ACHIEVE THE REQUIRED LIGHTING LEVELS, BODIN MAY NEED TO BE ADDIVISION OF IXTURES — FI (SPRINKLERED ED EMERGENCY NE BALLASTS DED TO THE FIELD VERIFY. THE CURRENT CQUIRES A FIRE S SPACE, A HAT LOCATION IRED. HALF HEIGHT. SALOON DOOR " HIGH WOOD STUD WALL EMERGENCY LIGHTING BARREL STORAGE AREA TASTING ROOM BAR AREA HALF WALL WITH WOOD CAP HORN / STRO

**SCALE** 

Code Review - NFPA 101 (Life Safety) 2009

SUMMARY

## Section 907.2.7 - The current space does not have a fire alarm system. The remainder of the building is protected with a fire alarm system, and this system shall be extended to include this space. (Note: These drawings do not specify the requirements for the fire alarm system. A separate permit will be required for this work). Although it does not appear that a fire alarm system is required with IBC, a system is required per NFPA. **Section 1004.3** - The occupant load for the Tasting / Retail area shall have posted signage as req'd. **Section 1007.1** - Three accessible means of egress are provided (one out of the Warehouse space, and two out of the Tasting / Retail space. Total Occupant Load = 142 people (max), designed for 106. Note: This occupant load was used to determine egress. However, per the commentary for Section 1004.1.1, the actual (designed) occupant load may be used in determining certain requirements. The Retail area has been designed for 97 people and it is this number that was used to determine the number of plumbing (restroom) fixtures required by the State of Maine Plumbing Code. wall openings for the front wall to be 75% (less than 20', warehouse is 9 people (6 in the warehouse, and 3 at the 15 s.f. = 124 people (designed for 97, see Note) a 1 person per 15 square feet was used. However, the a standard Retail figure of 1 person per 30 s.f. were ea would be 62 people, therefore the 124 figure was feet / 500 s.f. = 18 people (designed for 9, see Note)MAINE MEAD WORKS TRAVEL DIST TO EXIT: 245'-5" MAX. TRAVEL DIST ALLOWED: 250 + 48" (DOCK HT.) TRAVEL DIST TO EXIT : EXISTING DEATHROOM 15 CD 110 CD SH EXISTING OVERHEAD DOOR EXISTING 3'-0" x 6'-8" DOOR HARDWARE LEVER HANDLE TO REMAIN (ADD PANIC HARDWARE AS REQUIRED) NOTE: ALL DOOR HARDWARE TO MEET ADA REQUIREMENTS. NOTE NOTE: FACILITY TO HAVE EMERGENCY LIGHTING AS REQ'D. ALL EMERGENCY LIGHTING TO MEET ALL CODE REQUIREMENTS. ALL RESTROOM FIXTURES AND CLEARANCES TO MEET ADA REQUIREMENTS. RN / STROBE — 9 OCCUPANTS | 62 OCCUPANTS EXIT SIGN / EMERGENCY LIGHT E EXTINGUISH ROOM / RETAIL AREA 62 OCC EMERGENCY LIGHTING

COVERED LOADING DOCK (SHARED WITH MAINE MEAD WORKS) (SPRINKLERED) DING DOCK AREA 2,489 sq ft NOTE:
THE ENTIRE FACILITY IS CURRENTLY SPRINKLERED DEMO CONCRETE BLOCK
- INFILL AND REPLACE WITH
ALUMINUM STORE FRONT - 8'-0" HIGH WOOD STUD WALL F.A. STR

PORT - CITY ARCHITECTURE 65 NEWBURY STREET PORTLAND, ME 04101 207.761.9000 

# DATE

Ø1 1-31-14

Ø2 8-1-14

Ø3 8-5-14 BREWING OXBOW DESCRIPTION
PERMIT SET
REV 1

PERMIT SET NOT FOR CONSTRUCTION -

59 Washington Ave. Portland, Maine

Project Numb awing Scale 14|02 AS NOTED 

Date Issued

08-05-2014

necked By ± C∓

Section 1018.4(2) - The maximum dead end least Section 1022.1 - The existing exit stair serving requirements in this section.

Section 42.2.9 - Emergency lighting shall be provided. Section 42.2.10 - Exit signs shall be provided.

the sprinkler system (Section 42.3.4.1.3). a fire alarm system shall be provided.

**Section 42.3.4** - A fire alarm system is not required due to However, the Assembly requirements must be applied and

**Section 42.2.6** - Travel distance to exits: 400' (use As **Section 42.2.8** - Means of egress shall be illuminated

20 Note: It is widely regarded that the Assembly occupancy is the more stringent of the two occupancies in this space. Since this space is being evaluated as a Non-Separated Mixed-Use, the requirements of the Assembly occupancy shall usually be used for the entire space.

Section 42.1.5 - The contents of the storage area are classified as Ordinary Hazard.

Section 42.2.4.1(3) - Two means of egress are required from each space (Warehouse and Retail).

Section 42.2.5 - Dead End Corridors: 100' / Common Path of Travel: 100' (use Assembly

400' (use Assembly requirements)

Section 1015.1 - Two exits have been provided Section 1015.2.1(2) - The exits from each space each space due to the sprinkler system.

for each space (Retail and Storage).

shall be placed a minimum of 1/3 of the diagonal of

the Retail area is 75', and for the Storage area is 100'

Section 1014.3 - The common path of travel fo

Table 1016.1 - The maximum exit travel distar

ce shall be

250' (for both the Retail and the Storage

Section 1011.1 - Exit signs will be provided (see Egress Plan for locations).

Section 1014.2 - Two means of egress from the Warehouse space and two means of egress from the Retail area are provided so ensure egress is not required to pass through the intervening space.

Section

1014.2.1 - This tenant space has separa d door to allow egress out of the Storag

te means of egress from other tenants (see Egress Planse area that does not pass through the shared Loading

Section 1009 - The existing exit stairway out of Section 1010 - The ramp (due to existing grade with this section.

issues) at the entrance to the Retail area the Storage area complies with this

will comply

**Section 1008.1.10** - Although the Retail area is from this space is required by NFPA, and will be

not classified as Assembly, panic hardware on the exits e provided.

40

20

Chapter 9 - Building Services and Fire Protection Equipment Section 9.7.4.1 - Portable fire extinguishers shall be provided.

Tasting / Retail area: 1,852 square feet / Note: As the seating is not fixed, space is designed for 97 seats. If a used, the occupant load for this are

Note: Although fire extinguishers are not required in Assembly or Storage spaces, the Tasting Room functions as Mercantile. Since this is a Non-separated mixed use, fire extinguishers shall be installed in throughout this tenant space (they are required in IBC 2009).

Section 8.6.5(3) - The existing stair exit shall be a minimum of 1/2-hour rated (currently

Chapter 12 - 1
Table 12.1.6

Section 12.1.7 - Occupant Load - see Section 7 notes (above).

Section 12.2.2.3 - Doors out of the Tasting / Retail space (Assembly) shall be furnished with panic hardware due to the occupant load over 100.

12 - New Assembly Occupancies

2.1.6 - Construction Type III (200) is allowed 1000 occupants (sprinkled - one story).

12

Table 7.3.1.2 - Oecupant Load Tasting / Retail area: 1,852 s.f. / 15 s.f. = 124 people (designed for 97, see Note)

The ramp at the front entry shall comply with this section.

OMIT

Warehouse area: 8,623 s.f. / 500 s.f. = 18 people (designed for 9, see Note)

Note: Table 7.3.1.2 does not designate a square footage number, therefore, 500 square feet per person was used. However, in discussions with the owner, the maximum anticipated staff of the warehouse is 9 people (6 in the warehouse, and 3 at the bar area the Tasting / Retail area.

in

Section 708 - The 1-hour rating.

existing exit stairway out of

the Storage area complies with this section and has

**Figure 903.2** - A sprinkler system is required (over 12,000 s.f.) and is **Section 906** - Portable fire extinguishers are required.

currently installed.

Chapter 9 - Fire Protection Systems

Note: As the seating is not fixed, a 1 person per 15 square feet was used. space is designed for 97 seats.

However,

the

Chapter 7 - Fire and Smoke Protection Featur Section 705.8 - The allowable area of exterior vunprotected, sprinklered).

Section 602.3 - The construction type shall be

Type III B.

Chapter 6 - Types of Construction

Chapter 7 - Means of Egress

Chapter 6 - Classification of Occupancy

1/4"=1'

Section 7.4.1.2 - For an occupant load of 142 people, 2 exits are required (Two exits out of the Warehouse space and two separate exits out of the Assembly space are provided).

Section 7.5.1.3.3 - The exits shall be separated by a minimum of 1/3 the overall diagonal of each (see Sheet T1.1, Egress Plan).

Total Occupant Load = 142 people (max), designed for 106

**Table 7.6** - Common Path Limit = 75'; Dead-End Limit = 20'; Travel Distance Limit = distances must defer to the Assembly occupancy per the requirements for Mixed-Use).

250'

Chapter 10 - Means of Egress

Table 1004.1.1 - Occupant Load

Warehouse / Storage area: 8,623 square for Note: Although 500 square feet per maximum anticipated staff of the war area in the Tasting / Retail area.

**Section 7.5.4.1** - Two accessible means of egress are not required, as this is an existing building. However, three accessible means of egress have been provided (one out of the Warehouse space two out of the Assembly space).

Chapter 8 - Features of Fire Protection

**Table 8.2.1.2** 

Construction shall by Type III (200).

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Section 12.2.3.6.2(2) - The main entrance shall accommodate 1/2 of the total occupant load (71 people)
Section 12.2.8 - Means of egress shall be illuminated.
Section 12.2.9 - Emergency lighting shall be provided.
Section 12.2.10 - Exit signs shall be provided (see Egress Plan for locations).
Section 12.3.4.1.2 - Although this tenant space does not currently have a fire alarm system, a system exists throughout the remainder of the building. The current fire alarm system will be expanded to cover this tenant space.
Section 12.3.5.2 - The current space is protected throughout with an automatic sprinkler system.

ngth is the Sto Storage : is1-hour rated and meets this

ECR ESS STATION \[ \bar{\rho}{\bar{\rho}} \] LIFE SAFETY SCALE: 1/8" = 1'-0" PLAN

Drawn By