191 Marginal Way Retail Center - 16,698 SF BUILDING SHELL ONLY Permitting Set: January 16, 2017, Revised May 16, 2017 Portland, ME FPA 220 Construction Type 5 (000) - Protecte Type V(B) - Protected by approved automatic sprinkler system in accordance with Section 903.3.1.1 Primary Struct.

NEW Structural Frame - steel joists & beams bearing on steel columns

Frame 0HR*

EXISTING, Renovated Structural Frame - steel joists and beams bearing on CMU walls Foundation - Concrete frost wall and slab Bearing 0HR CMU, non-rated

Non-Bearing Exterior walls - 6" metal stud with GWB interior finish. Metal siding and OHR cementitious panel cladding exterior finish.

Non-Bearing Interior walls - Metal stud with GWB surfacing OHR
Floor & Floors - Concrete slab on grade Secondary | Members 0HR | Roof - Metal trusses and steel deck with membrane roofing (finished Construction & ceilings to be designed for tenant fit-ups) Secondary Members 0 HR Height & Area Allowances Table 506.2 Business + Mercantile - 36,000 SF per floor (S1) prinklered - NFPA13 16,698 SF Net 504.3 & 504.4 Business - 3 Stories / 60'; Mercantile - 2 Stories - 60' 1 story / 31'-6" height from lowest grade to highest roof Table 602Loadbearing Ext walls ≥30' = 0 hrTable 602Nonloadbearing Ext walls ≥30' = 0 hr Table 1018.1 Exit access corridors - 0 hour (with sprinkler system)

1022.1 Fire Enclosure of 3 story max Vertical Exit Enclosures - 1 hour 38.3.6.1 | 1 hour or sprinklered 38.3.1.1 > | Exits: 1 Hour (Sprinklered) Shaft eclosures - 0 hr 2 story Shafts & Elevator Hoistways - 1 hr 30.3.1.1.4 Shafts: 1 Hour (Sprinklered) and 1hour doors
38.3.2.1 > 8.7 Boller Rooms - 1 Hour or sprinkler Table 508.2.5 Boiler Rooms over 10 HP - 1 hour or automatic fire extinguishing 38.3.2.1 > 8.7 Storage rooms - 1 hour OR Sprinkler with Smoke partition sprinklers with smoke partitions
Subdivision of building spaces - no Table 508.4 Separation of Occupancies: Business / Mercantile - 0 HR requirements provided as part of tenant fitups nder separate permit Mercantile - 0 HR
 Table 601
 Int. nonloadbearing walls - 0 hour

 Table 601
 Floor Construction - 0 hour

 Table 601
 Roof construction - 0 hour
 Table 715.4 1/2 Hour Rated corridor partitions - 20 min.

1 Hour Barriers - 45 min.

1 Hour Shafts & Exits - 60 min. Fire Window Assembly Table 715.5 1/2 Hour Rated corridor partitions - 20 min. Fire Protections Ratings 1 Hour Barriers - 45 min. Fire Damper Rating Table 716.3.2.1 Less than 3 hour rated assembly - 1-1/2 hour. As required Ducts and Air Transfer 7.16.5.2 Per exception 3, penetrations at 1-hour fire barriers need not have fire dampers when properly constructed.

Ducts penetrating shafts shall be equipped with fire and smoke dampers Ducts penetrating fire partitions shall be equipped with fire dampers. Interior Flame Spread Table 803.9 Required vertical exits and passageways - C permitted in buildings less 38.3.3.2.1 In exits - Class A or B than three stories above grade. Corridors providing exit access - A 38.3.3.2.1 Lobbies and corridors - Class A or B 38.3.3.2.2 Other Spaces - Class A, B or C As required 38.3.3.3.2 Exit enclosures and corridor floors -Rooms or enclosed spaces - C T 1004.1.1 Business Group Occupancy = 1/100 GSF 7.3.1.2 New Business occupant load = 1/100 5159 SF @ 100 SF/occupant Occupant Load Mercantile Group Occupance New Mercantile on street level 192 occupants (all tenants to be occupant load = 1/60SF pplied for in the future) Accessory storage areas, mechanical equipment rooms = 1/300 GSF Storage areas, mechanical equipmen rooms = 1/500 GSF Assembly, Concentrated (Chairs only) = 1/7 NSF Assembly, Concentrated (Chairs only) NA Assembly, Non-concentrated use Assembly, Non-concentrated use (Tables & chairs) = 1/15 NSF (Tables & chairs) = 1/15 NSF Means of Egress NA until individual fitup permi Egress width per occupant @ stairways = 0.3" per occupant Egress width per occupant @ stairways = 0.3" per occupant applied for Egress width capacity per occupant @ doors and corridors = .2" per 7.2.1.2.4 Minimum door opening width = 32" 38.2.6.2 Max travel to exit = 300' NA until individual fitup permit Dead ends < 50" Common path of travel < 100' applied for NA until individual fitup permits (sprinklered) Minimum corridor width = 36" Minimum corridor width = 44"

38.2.4 Minimum number of exits = 2

.10.1.2 Exit Signs are required except at

38.3.4.1 Required 38.3.4.2 Fire Alarm initiation shall be either

manual or automatic

Not required

38.3.4 Not required

Ernergency lighting is required

NA until individual fitup permits

NA until individual fitup permi

prinklers & fire extinguishers

NA until individual fitup permit

NA until individual fitup permits

Provided Automatic Provided

T 1021.1 Number of exits <500 occupants = 2

Not required

Smoke Detetectors

requirements

M:\2015 Design Projects\15063 191 Marginal Way Retail Center\1-Drawings\191 Marginal Way\Sheets\LS1.01 Life Safety Code Study & Plan

1011.1 (exc. #2) Exit Signs are required except at main exterior exit doors

Portable fire extinguishers shall be installed as per NFPA 10 (IFC 2009) 38.3.5

Fire supression system not required

Not required (sprinklered)

CWS ARCHITECTS

ARCHITECTURE | INTERIOR DESIGN

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264 U.S. ROUTE ONE
BOX 6, SUITE 100-2A

SCARBOROUGH, MAINE 04

OWNER EARL W. NOYES & SONS C/O PAUL URENECK

191 MARGINAL WAY
RETAIL CENTER

D R A W I N G

LIFE SAFETY CODE

STUDY

1 O N S 05/04/2017 JN TYPE 05/16/2017

R E V I S I O N S

| SE REFERENCE TO | 05/0

REVISE REFERENCE TO OCCUPANCY SEPARATION TO SEPARATION TO

DRAWING NUMBER

SCALE:
DATE:

AS NOTED 03/15/2017