- State of Maine Human Rights Act
- ICC ANSI 117.1 Accessible and Usable Buildings and Facilities

#### **PROJECT SUMMARY:**

The building is all new construction. It consists of six (6) stories with two (2) stair towers and an elevator. The first floor is of Type 1A Construction. This first level consist of mercantile (M) and an open parking garage (Low Hazard Storage S-2 occupancy) with accessory storage areas and mechanical equipment rooms and a lobby for the residents. Levels two (2) through six (6) are of Type 2A Construction and consist of apartments (Residential R-2

The building is designed with a podium level between the first and second floor. This 3-hour fire-resistance rated horizontal assembly creates two distinct buildings for the purpose of determining area limitations, continuity of fire walls, limitations of number of stories and type of construction. The building will be sprinkled with an NFPA full 13 sprinkler system.

8,768 GSF 2ND FLOOR: 8,768 GSF 3RD FLOOR: 8.768 GSF 4TH FLOOR: 8,768 GSF 5TH FLOOR: 8.768 GSF

6TH FLOOR:

**Chapter 3- Use and Occupancy Classification Mixed Use** 310.1 Residential Group R-2 Apartments at Levels 2-6 309.1 Mercantile Group M Retail Level 1

Chapter 4- Special Detailed Requirements Based on Use and Occupancy 403 High-Rise Definition - A building with an occupied floor located more than 75 feet above the lowest level of fire department vehicle access. Our lowest level of FD vehicle access is EL. 15'-0" and the highest occupied floor is at EL. 80'-2", which is 65'-2" above lowest lowest level, which means this is NOT a high rise building

Open Parking Garage

Section 406 Motor Vehicle Related Occupancies **406.2 Parking Garages** (classified as an open parking garage per Section 406.3)

406.2.2 Clear height on each floor level in vehicle and pedestrian traffic areas shall not be less than 7 feet NFPA 101 requires a clear height of 7'-6" for egress (Section 7.1.5)

406.2.4 Vehicle Barrier Systems Not required- Vertical distance to ground is not greater than one foot

406.2.6 Floor Surface Parking surface concrete pavers.

311.3 Low Hazard Storage Group S-2

406.2.7 Mixed Occupancy Separation Parking garage is separated from R-2 Residential Use at Level 2 above by three (3) hour rated floor assembly in accordance with Section 509.2. (Parking garage does not require fire separation from the entrance lobby & elev. lobby (R-2) or storage units (S-2), but needs a 1hr separation from the retail (M) in

406.3 Open Parking Garages

parking and retail (Section 36.1.2.2.1)

406.3.3.1 Openings 40 percent of the garage perimeter has openings that are uniformly distributed on no less than two sides.

accordance with Table 508.4 and NFPA 101 requires a 2-hour separation between

406.3.5 Heights and Areas

Area and height of an open parking garages of Type IA construction are unlimited per Table 503.

420 Group R-2

**420.2 Separation Walls**-Walls separating Dwelling Units from Dwelling Units and from other occupancies are Fire Partitions in accordance with Section 709

story per Section 506.1. **420.3 Horizontal Separation**- Floor Assemblies separating Dwelling Units from Dwelling Units and from other occupancies are Horizontal Assemblies in accordance with Section 712 (1 hour), except the podium level which is separated by a 3 hour rated horizontal assembly per Section 509.2

Chapter 5- General Building Heights and Areas

502.1 Grade Plane by Definition: 4 corner average grade - N 15.7' + E 14.92' + S 15.05' + W 16.7' = 62.37' / 4 =

Table 503 Allowable Heights and Areas Residential Group R-2 Type 2A Construction - 4 stories . 65 feet 24.000 sf

**504.2 Automatic Sprinkler System Increase** (Building Height) In buildings equipped with an NFPA 13 automatic sprinkler system, the maximum building height is increased by 20 feet and the maximum number of stories is increased by one. For Group R buildings equipped with an NFPA 13R automatic sprinkler system the building height may be increased by 20 feet and the maximum number of stories is increased by one (1) but shall not exceed 60 feet or four (4) stories respectively.

> Construction Type 2A Group R-2 (mutifamily residential): 5 stories . 85 feet

See also Section 508.2.3 for Accessory Occupancies 506.0 Building Area Modifications

506.3 Automatic Sprinkler System Increase Approved Automatic Sprinkler System in accordance with Section 903.3.1. More than one-story above grade= 200% increase above Table 503 tabular area

Group R2: Type 2A:  $24,000 + 2 \times (24,000) = 72,000 \text{ sf allowable}$ 

506.4 Single Occupancy Buildings with More than One Story 506.4.1 Area Determination

Total allowable building area of a single occupancy building per item 2 with three or more stories above grade plane= Allowable building area per Section 506.1, multiply times 3 and Item 3. No story shall exceed the allowable building area per

Floor 1 Type 1A Construction: Unlimited Height and Area permitted Actual Areas= 8.768 sf Level 1 Floors 2-6 Type 2A Construction Total allowable building area = 72,000 sf x 3 = 216,000 sf Divided by 5 Floors= 43,200 sf maximum per floor

Floor 2 Actual Area = 8.768 sf Floor 3 Actual Area = 8.768 sf Actual Area = 8.768 sf Floor 4 Actual Area = 8.768 sf Floor 5 Actual Area = 7.187 sf Floor 6

Actual Area = 42,259 sf < 216,000 sf Total Floors 2-6 **508 Mixed Use and Occupancy** 

508.1 General Exception 1. Occupancies separated in accordance with Section 509.

**508.2 Accessory Occupancies** Aggregate accessory occupancies, ancillary to principal occupancy, shall not occupy more than 10% of the building area of the story and shall not exceed Table 503 values (without building area increases). Accessory occupancies shall be individually classified.

**508.2.4** No separation is required between accessory occupancies and the main occupancy. (Exception 2: R2 occupancy dwelling units must be separated from accessory occupancies per Section 420 (1 hour). 508.3 Non-Separated Occupancies

Buildings or portions of buildings that comply with the provisions of this section shall be considered non-separated occupancies. Level 1-Type 1A construction

Use Groups: Residential, Mercantile, Storage

508.4 Separated Occupancies Table 508.4 Open parking garage (S2) to Mercantile (M) 1 hr separation requirement in building protected by an automatic sprinkler system in accordance with section 903.3.1.1, NFPA 101 requires a 2-hour separation between parking and retail (Section 36.1.2.2.1)

**508.4.3 Allowable Height**: Each separated occupancy shall comply with building height limitations based on the type of construction

Type 1A: Occupancy Residential, Storage, Mercantile Unlimited Type 2A: Occupancy Increase R-2 Residential 4 Stories 1 Story 5 Stories 5 Stories

509 Special Provisions

**509.2 Horizontal Building Separation Allowance** A building shall be considered as separate and distinct buildings for the purpose of determining area limitations, continuity of fire walls, limitation of number of stories and type of construction where all of the following conditions are met:

The buildings are separated with a horizontal assembly having a minimum

3-hour fire-resistance rating. The building below the horizontal assembly is no more than one story above grade level.

The building below the horizontal assembly is of Type IA construction. Shaft, stairways, ramp and escalator enclosures through horizontal assembly shall have not less than a 2-hour fire-resistance rating with opening protectives in accordance with Section 715.4.

R occupancy. The building below the horizontal assembly shall have an automatic sprinkler system per Section 903.3.1.1 and shall be permitted to be any of

The building above the horizontal assembly shall be permitted to have

the following occupancies: Residential lobbies, storage units serving

the residences

Storage- Parking Garage S-2 Uses incidental to operation of the building including lobbies,

mechanical rooms, storage areas. etc. Maximum building height shall not exceed limits from Table 503 for the

building having the smaller allowable height (stories measured above horizontal assembly and height measured above average grade plane). Buildings above and below the horizontal assembly are distinct buildings. Firewalls separating building areas on upper building can stop at the horizontal assembly.

**Chapter 6- Types of Construction** Table 601 - Fire Resistance Ratings for Building Elements

Building Element Type 1A 3 hour Primary Structural Frame Bearing Walls Exterior Walls 1 hour 3 hour Interior Walls 1 hour 3 hour Non-Bearing Walls and (See Table 602) (See Table 602) Partitions. Exterior Non-Bearing Walls and Partitions, Interior 0 hour 0 hour Floor Construction and 1 hour 2 hour Secondary Members Roof Construction and 1 hour 1 1/2 hour Secondary Members

Table 602- Fire Resistance Rating Requirements For Exterior Walls Based on Fire Separation Distance (non-loadbearing walls)

•	`	,	
Fire Separation Dist.	Construction Type	Group R, S2	Group M
x < 5'	All	1 hour	2 hours
5' <u>&lt;</u> x <10'	Type IA Type 2A	1 hour 1 hour	2 hours 1 hour
10' <u>&lt;</u> x < 30'	Type 1A Type 2A	1 hour 1 hour	1 hour 1 hour
x <u>≥</u> 30'	All	0 hour	

\*\*Higher of 2 determining factors (Tables 601 end 602) indicate exterior bearing walls to be 2 hour fire resistance rated from the inside.

602.2 Type I & II Construction

Noncombustible materials. Fire retardant treated wood (FRTW) is permitted in limited uses. Other combustible materials are permitted as outlined in Section

603.1 - 1.3 Fire-retardant-treaded wood is permitted in roof construction

## **Chapter 7- Fire and Smoke Protection Features**

7,187 GSF +

51,027 GSF

## 704 Fire Rating of Structural Members

704.2 Column protection Columns to be required to be fire-resistance rated require the entire column to be protected on all sides for the full length

## 704.3 Primary Structural Frame

Supporting more than 2 floors, and required to have a fire resistance rating, or supporting a load bearing wall, shall be provided with individual encasement protection on all sides. Exception: Individual encasement on all exposed sides provided protection is in accordance with fire resistance rating

#### 704.4 Secondary Structural Members If required to be fire resistant rated, secondary members shall be protected by

individual encasement when supporting more than 2 floors. Membrane protection is permissible if supporting 2 floors or less.

#### 705 Exterior Walls **705.2.1** Projections from walls of Type I or II construction shall be of

noncombustible materials Exception 1 fire-retardant-treated wood shall be permitted for balconies, porches, decks and exterior stairways not used as required exits with Section 1406.3

## 705.5 Fire Resistance Ratings

907 Fire Alarm and Detection Systems

street side of building).

907.2 Where Required-New Buildings and Structures

Fire Seperation Distance of greater than 10 feet, at exterior walls, shall be rated for exposure from the inside. Fire separation less than 10' shall be rated for fire exposure from both sides.

705.6 Exterior walls shall have sufficient structural stability to remain in place for

- duration of the time required by the fire resistance rating. Supporting elements must be fire resistance rated
- Band joist, or supporting beam, must be fire rated Only the structural element within the floor system that supports the vertical load of the wall must be fire resistance rated construction

#### Table 705.8 Maximum Area of Wall Openings Based on Fire Separation **Distance and Degree of Opening Protection**

Fire Separation Dist.	Degree of Opening Protection	Allowable Area
0' to less than 3'	Unprotected, Sprinklered	Not Permitted
3' to less than 5'	Unprotected, Sprinklered	15%
5' to less than 10'	Unprotected, Sprinklered	25%
10' to less than 15'	Unprotected, Sprinklered	45%
15' to less than 20'	Unprotected, Sprinklered	75%
20' to less than 25'	Unprotected, Sprinklered	No Limit
25' to less than 30'	Unprotected, Sprinklered	No Limit
30' or greater	Unprotected, Sprinklered	Not Required

#### 705.8.5 Vertical Separation of openings Not Required, Exception no. 2, Automatic Sprinkler System in Accordance with

705.11 Parapets Not required on exterior walls per Exception No. 6 where the wall is permitted

to have at least 25% of the exterior wall areas containing unprotected openings

per Table 705.8 707 Fire Barriers (shafts, exit and floor opening enclosures)

**707.3.1** Shaft enclosures shall comply with Section 708.4 (2 hours) **707.3.2** The fire resistance rating of exit enclosures shall comply with Section

1022.1 (2 hours). 707.3.6 Incidental Accessory Occupancies Fire barriers separating incidental accessory occupancies shall have a fire resistance rating of not less than that indicated in Table 508.2.5.

**707.5** Fire barriers shall extend from the top of the floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above.

**707.5.1** Supporting construction shall be protected to required fire resistance

rating of the fire barrier supported (fireblocking is required in cavities if shaft extends through the floor level at every floor level). **707.6** Openings in fire barrier shall be protected in accordance with Section 715. Openings shall be limited to a maximum aggregate width or 25% of length of

wall, with max area of any single opening not to exceed 156 sf. Openings in exit enclosures and passageways shall comply with Sections 1022.3 and 1023.5. Exception 1: Openings not limited to 156 sf with automatic sprinkler

Exception 2: Openings not limited to 156 sf or 25% of length at fire door

**708.1** Shaft enclosures to be constructed as fire barriers **708.2** Fire barrier construction not required at piping, conduits, etc. penetrations

**708 Shaft Enclosures** (stairs, chutes, elevators, duct shafts, etc.)

if protected per Section 712.4 **708.4** Shaft enclosures shall have a 2 hour fire resistance rating where connecting 4 stories or more, and shall have a fire resistance rating not less than

the floor assembly penetrated but not exceeding 2 hours. **708.8.1** Penetrations other than those necessary for the purpose of the shaft shall not be permitted.

708.14.1 Elevator Lobby Enclosure Not required per exception no. 4 ... "building is protected by an automatic sprinkler system in accordance with section 903.3.1.1 "

**709 Fire Partitions** (exit access corridors, dwelling unit separations, etc.)

## 709.3 Fire Resistance Ratings

Fire partitions shall have a fire resistance rating of not less than 1 hour. Walls Separating Dwelling Units (420.2) One hour Corridor Walls per Table 1018.1 1/2 hour (when fully sprinklered per NFPA 13) Trash collection rooms One hour per NFPA 101

**709.4 Continuity**: Fire partitions shall extend from floor below to underside of floor/roof sheathing above. Supporting structure shall be protected similarly to wall. Fire blocking is not required if equipped with automatic sprinkler system and sprinklers are installed within combustible floor/ceiling and roof/ceiling

**709.5** Where exterior walls serve as part of the required fire resistance rating separation, walls shall comply with Section 705 Exterior Walls and fire resistance rated requirements shall not apply.

**712.3** Horizontal assemblies separating dwelling units shall be a minimum of 1 hour fire resistance rated construction. 712.3.1 Provide wire or other approved device above panels to prevent vertical

displacement (ceiling assembly to remain in place)

**712.3.3** Ceiling membrane not required over unusable crawl spaces or unusable

**713.1.1** Penetrations of fire resistance rated walls by ducts (not protected by dampers): Sleeves through walls, in cavity construction, shall be securely fastened (a fire stop assembly is required between sleeve and pipe/duct).

**713.3.2** Membrane penetrations shall be limited to 16 square inches each and an aggregate of 100 square inches/100 sf of wall Offset boxes by 24" on opposite sides of wall

Not required at sprinklers with escutcheon plate

712.3.2 Rated access doors permitted in fire rated ceiling assemblies.

714.4 Where fire resistance rated floor/ceiling assemblies are required, voids along curtain wall and floors shall be sealed with an approved system, matching the fire resistance rating of the floor system.

#### 715.4 Fire Door and Shutter Assemblies Table 715.4

Type of Assembly	Required Assembly Rating	Min Door Assembly Rating (hrs)
Fire Walls	3 hours	3 hours
Fire Barriers (2 Hr)	2 hours	1-1/2 hours
Other Fire Barriers	1 hour	3/4 hour
Fire Partitions		
Corridor walls	1 hour/.5 hour	1/3 hour
Other fire partition	ons 1 hour	3/4 hour
Exterior Walls	2 hours	1 1/2 hours
Smoke Barriers	1 hour	1/3 hour

**715.4.3.1** Fire door assemblies shall meet requirements for smoke and draft control door assemblies

## 717 Concealed Spaces

studs or staggered studs.

717.2 In combustible construction fire barriers shall be installed to cut off concealed draft openings and form a barrier between floors. Fireblocking required at: Mineral wool allowed in double stud walls

 Vertically at floors and ceilings - Horizontal spacing not exceeding 10 feet Connections between horizontal and vertical spaces (soffits, dropped

Stairways at top and bottom of run between stringers Piping, vents, etc. 717.2.5 Double Stud Walls Batts or blankets of mineral or glass fiber insulation

717.2.2 Concealed Wall Spaces Fire blocking shall be provided in concealed spaces of stud walls and partitions, including furred spaces, and parallel rows of studs or staggered studs as follows: 1. Vertically at ceiling and floor levels 2. Horizontally at intervals not exceeding 10'.

shall be allowed as fire blocking in walls constructed using parallel rows of

717.3.2 Use Group R-2 Draft stopping in floor/ceiling spaces not required per Exception No. 1, Sprinkler system provided in accordance with Section

717.4 Draft Stopping In Attics 717.4.2 Group R-2 Not required in attics and concealed roof spaces per Exception No. 2, Sprinkler system provided in accordance with Section 903.3.1.1.

## **Chapter 8- Interior Finishes**

Table 803.9 Interior Wall and Ceiling Finish Requirements By Occupancy- Sprinklered			Requirements	
	Group	<b>Exit Enclosures</b>	<b>Corridors</b>	Rooms and Enclosed Spaces
	R-2	Class C (IBC)	Class C	Class C
Class A or B (NFPA 30.3.3.2)				
	S	Class C	Class C	Class C

Class C

Class C

**Chapter 9- Fire Protection Systems** 

Class B

Table 903.2 Occupancy Related Automatic Sprinkler Requirement			
<u>Threshold</u>	Occupant Load	Comment	

Sprinklers required Any level Sprinklers required Sprinklers required

903.3.1.1 NFPA 13 Sprinkler Systems The building will be equipped throughout with an automatic sprinkler system in accordance with NFPA 13.

903.3.2 Quick response or residential automatic sprinklers shall be installed in dwelling units.

**903.4** Valve controlling water supply for automatic sprinkler system shall be electronically supervised by a fire alarm control unit.

## 905 Standpipe Systems

**905.2** Standpipe Systems will be provided in accordance with NFPA 14

**905.3.1 Height-** Class 1 Standpipes are allowed in buildings equipped throughout with an automalic sprinkler system.

## **905.4** Class I standpipe hose connections shall be provided in the following

In every stairway at an intermediate floor level between floors, unless otherwise approved by the fire code official

Where roof slope is less than 4:12 each standpipe shall be provided with a hose connection either on the roof or the highest landing of a stairway with stair access to roof.

On each side of the wall adjacent to exit opening of horizontal exit (Not required where hose stream is reachable).

# 1021 Number of Exits and Continuity

Exception 4: 1 exit minimum from within individual dwelling units of Group R-2.

## 1022 Exit Enclosures

**1022.1 Exit Enclosures Required-** min. 2 hour rated fire barriers/ enclosures

**1022.8** Floor level identification signs required at each floor landing within stair

**1021.1** All spaces within each story shall have access to at least 2 exits.

**1021.1.2** Parking structures shall not have less than 2 exits from each parking tier. Vehicle ramps shall not be considered as required exits unless pedestrian facilities are provided.

1022.6 Exit Enclosure Exterior Walls

Exterior exit walls comply with Section 705

906 Portable Fire Extinguishers- Required in Group R-2, M and S occupancies: provided in accordance with NFPA 10

Exception 2: Automatic heat detection is not required in buildings with

automatic sprinkler system **907.2.9** Group R-2: Manual fire alarm station is required in buildings with more than 12 dwelling units in accordance with Section 907.5

907.2.9.2 Smoke alarms shall be installed per Section 907.2.11 (within sleeping Smoke detection required in corridors of multi-apartment buildings per Maine

Statute Title 25, Part 6, Chapter 317 Section 2464 907.2.11.2 Group R-2: Smoke alarms shall be installed outside each sleeping area and within each room used for sleeping.

907.5.2.3.4 Group R-2: All dwelling and sleeping units shall be capable of supporting visual alarm notification and extended to the unit smoke detectors. **912.2.1** Fire Department Connections: Locations as approved by fire chief so

vehicles and hose lines will not interfere with building access (visible location on

Chapter 10- Means of Egress

1004 Occupant Load **Table 1004.1 Maximum Floor Area Allowances per Occupant** Parking- Garage Spaces 200 gross sf Residential 200 gross sf - grade floor areas 30 gross sf storage, stock, shipping 300 gross sf

Accessory storage areas, mechanical equip room 300 gross st

1005 Egress Width Floor Area/ Req'd Egress of Space <u>lax. Fl Area</u> = Width (1005.1) <u>Occupants</u> Level 1 2,306 sf/ 200 = **12** 12 x .3" = 5.1" Stairs 12 x .2" = 3.4" Other Level 1 2,548 sf/ 30 = **85** 88 x .3" = 26.4" Stairs Storage/ Stock 850 sf/ 300 = **3** 88 x .2" = 17.6" Other Residential Level 2-5  $8,768 \text{ sf}/200 = 44 \times .3" = 13.2"$  Stairs 44 x .2" = 8.8" Other

Residential Level6 7,187 sf/ 200 = **36** 36 x .3" = 10.8" Stairs

Total Building Occupance: 312

A minimum of 2 egress or stair locations provided at each floor (36" wide doors and 44" wide stairs)

36 x .2" = 7.2" Other

1007 Accessible Means of Egress

**1007.2.1 Elevators Required**. In buildings where a required accessible floor is four or more stories above a level of exit discharge, at least one accessible means of egress shall be an elevator. (Backup Generator Reg'd).

1007.3 Stairways Clear width 48". Not Required in buildings with automotic sprinkler system. Exception no. 2 Area of Refuge- Not Required in Group R-2, Exception no. 7

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

1007.10 Directional signage shall be provided at elevator landings. 1008 Doors, Gates and Turnstiles **1008.1.1 Size of Doors-** Minimum Clear width = 32", maximum leaf width 48"

Exception no. 1- Minimum and maximum widths do not apply to door openings

not part of the required means of egress in Group R-2 occupancies. **1008.1.4.4** Group R-2 occupancies building entry doors are permitted to be equipped with access control system.

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

**1008.1.10** Electrical rooms with equipment rated at 1200 amps or more will require panic hardware. 1009 Stairways

**1009.1 Stairway width-** Minimum required width of 44" is provided. **1009.12** Handrails required on each side of stair.

stairway per IBC Section 1009.14

**Occupancy** 

8.768 sf

1015- Exit and Exit Access Doorways

**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

**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.

Roofs or penthouses containing elevator equipment must be accessed via a

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

Levels 2-6 (both fire areas) One means of egress is permitted from all apartment units per Exception

less than 1/3 (exception #2) the length of the maximum overall diagonal dimension. Residential Floor Levels 2 - 6 Max. Diagonal 1/3 Min. Fire Area Actual

1015.2.1 Two Exits or Exit Access Doorways= Exit doors shall be placed not

Occupant Load- Max./ Actual Doors Required/ Provided

50'-0"

51'-1"

**1016 Exit Access Travel Distance** 

**Table 1016.1 Exit Access Travel Distance Occupancy** Max. Distance Sprinklered **Actual Distance** M - Mercantile S2 -Parking- Level 1 R2 -Residential- FI 2-5 (per NFPA 101, travel distance is limited to 125ft within a dwelling unit to the corridor; and 200ft from the corridor door to the exit (30.2.6.2)

R2 -Residential- Fl 6 1018 Corridors **Table 1018.1 Corridor Fire Resistance Rating** 

protection

Occupant Load Fire Rating with Sprinkler **Occupancy** <u>System</u> Greater than 10 1018.2 Corridor Width: Minimum 44" provided.

Exception No. 3: 36" minimum width allowed within dwelling units.

**1018.4 Dead Ends:** 50' maximum dead end corridor allowed per Exception No. 2 for Group R-2 and B Occupancies in buildings with automatic sprinkler system. **1018.6 Corridor Continuity:** Fire resistance rated corridors shall be continuous from point of entry to an exit. Elevator shall be fire resistance rated and smoke

corridors shall not be constructed as intervening spaces.

Exception: Foyers, lobbies or reception rooms constructed as required for

2017 21,

Portland

LLOYD

NO. 936

SUMIM

ODE