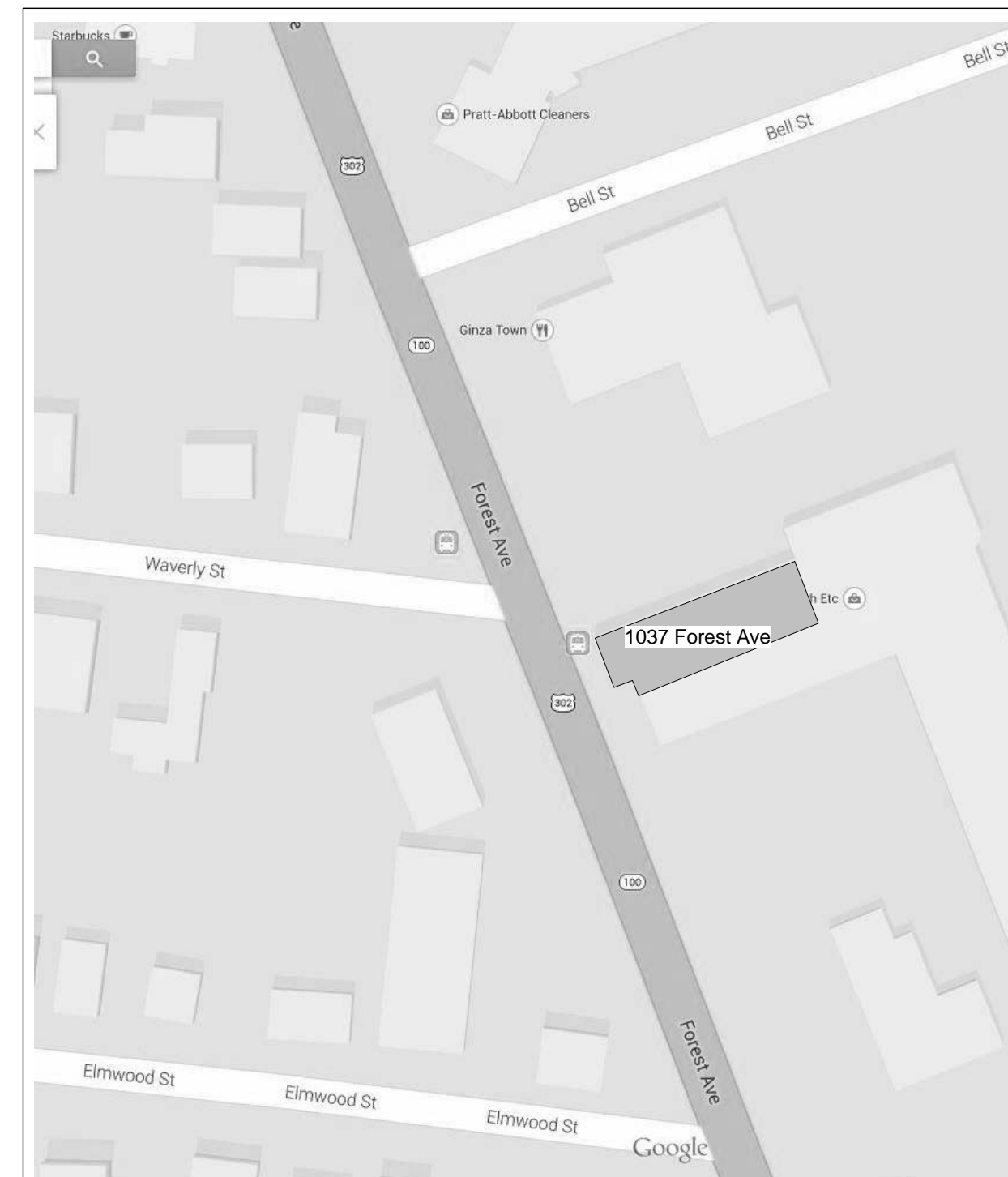


# Arwo Learning Center, LLC

1037 Forest Avenue  
Portland, Maine

## DATE OF ISSUE

INITIAL SUBMISSION TO CITY OF PORTLAND 12-8-2014  
RE-SUBMISSION TO CITY OF PORTLAND 12-16-2014



LOCATION MAP NOT TO SCALE

### CODE ANALYSIS

FOOTPRINT = 4,060 +/- SF  
2 FLOORS AND BASEMENT  
FLOOR 1 = 3,865 +/- SF  
FLOOR 2 = 2,928 +/- SF  
NEW WORK TO MEET STANDARD OF 5B CONSTRUCTION

## DRAWING LIST

ARCHITECTURAL DRAWINGS  
LS1.1 First Floor Life Safety Plan  
LS1.2 Second Floor Life Safety Plan

## CONTACTS

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**Architect:**  
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48 Union Wharf  
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(207) 772 6022

**Structural Engineer:**  
na

**Electrical Engineer:**  
na

**Mechanical Engineer:**  
na

**Civil Engineer:**  
na

## RELEVANT CODES

### INTERNATIONAL BUILDING CODE 2009

OCCUPANCY I-4  
CONSTRUCTION TYPE 5B  
SPRINKLED W/NFPA 13  
ALLOWABLE AREA - 30,875 SQ.FT. (TABULAR AREA PLUS SPRINKLER INCREASE)  
EXISTING FLOOR AREA (6,793 SQ.FT.)  
ALLOWABLE HEIGHT (2) STORIES (TABULAR HGT. PLUS SPRINKLER INCREASE)  
EXISTING HEIGHT (2) STORIES  
FIRE RESISTANCE RATING STRUCTURAL FRAME (0 HOUR)  
FIRE RESISTANCE RATING BEARING WALLS (0 HOUR)  
FIRE RESISTANCE RATING NON-BEARING WALLS AND PARTITIONS (0 HOURS)  
FIRE RESISTANCE RATING FLOOR CONSTRUCTION (0 HOUR)  
FIRE RESISTANCE RATING ROOF CONSTRUCTION (0 HOUR)

### MEANS OF EGRESS

I-4 OCCUPANT LOAD 6,793/35=194  
MINIMUM REQUIRED CORRIDOR WIDTH - 44"  
ELEVATOR BACKUP GENERATOR NOT REQUIRED  
DEAD END CORRIDORS < 50 FT.

### FIRE PARTITIONS

CORRIDOR FIRE PARTITION (NONBEARING) - 0 HR  
DRAFTSTOPPING OR SPRINKLE CONCEALED SPACES  
ELEVATOR LOBBIES NOT REQUIRED FOR FIRE  
STANDPIPE NOT REQUIRED (<30 FT. ABOVE GRADE)  
FIRE DEPT. CONNECTION REQUIRED  
MANUAL ALARM REQUIRED  
ELEVATOR MACHINE ROOM - 1-HOUR

### REFERENCE

T-601  
903.0.1.1  
T-503

### T503

504.2

T-601

T-601

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### EXISTING BUILDING CODE

ALTERATION LEVEL 2  
VERTICAL OPENINGS

### NFPA 101 - 2009

OCCUPANCY - NEW DAY CARE  
OCCUPANT LOAD - 6793 SF/35 = 194  
EGRESS CAPACITY .2' PER PERSON = 38.8"  
CONSTRUCTION TYPE V (000)  
SPRINKLED W/NFPA 13  
STAIR MATERIALS SAME AS BUILDING CONSTRUCTION  
DEAD END CORRIDOR < 50 FT.  
COMMON PATH LIMIT < 100 FT.  
TRAVEL DISTANCE LIMIT < 200 FT.  
SPRINKLED BLDG. EXIT ENCLOSURE 1 HOUR  
DETECTION  
EMERGENCY FORCES NOTIFICATION

### REFERENCE

403.1  
703.2.3

### REFERENCE

NFPA 6.1.4  
NFPA 7.3.1.2  
NFPA 7.3.3.1  
NFPA TABLE A.8.2.1.2  
NFPA 7.2.2.3.1.2  
NFPA 16.2.5.2  
NFPA 16.2.5.3.1  
NFPA 16.2.6.2  
NFPA 16.3.4.5  
NFPA 16.3.4.4.9.6.4