

# Arwo Learning Center, LLC

1037 Forest Avenue  
Portland, Maine

## DATE OF ISSUE

SUBMISSION TO CITY OF PORTLAND 12-8-2014



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

**Client:**  
Arwo Learning Center, LLC  
Naima Abdirhmon  
73 Birchvale Dr. 04102  
arwolcenter@gmail.com  
207-409-0116

**Architect:**  
Archetype Architects  
48 Union Wharf  
Portland, ME04101  
(207) 772 6022

**Structural Engineer:**  
na

**Electrical Engineer:**  
na

**Mechanical Engineer:**  
na

**Civil Engineer:**  
na

## RELEVANT CODES

### INTERNATIONAL BUILDING CODE

OCCUPANCY E (EDUCATIONAL)  
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

"E" OCCUPANT LOAD 6,793/20=339  
MINIMUM REQUIRED CORRIDOR WIDTH - 44"  
ELEVATOR BACKUP GENERATOR NOT REQUIRED  
DEAD END CORRIDORS < 50 FT.  
FIRE PARTITIONS  
CORRIDOR FIRE PARTITION (NONBEARING) - 1/2 HR  
CORRIDOR DOORS .33 HOURS IN 1 HOUR WALL  
CORRIDOR DOORS TO HAVE SMOKE CONTROL  
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

305, 308.5.2  
T601  
903.0.1.1  
T503  
T503  
504.2  
T601  
T601  
T601  
T601  
T601  
T601  
1003  
T-1004.1.2  
1018.2  
1007.2.1  
1018.4 EX. 2  
708.1  
T-1018.1 (EX. 2)  
T-715.4  
715.3.3  
717.3.2 (EX. 2)  
708.14.1 (EX. 2)  
905.3.1  
903.3.6 (AS DIRECTED BY FIRE)  
907.2.3  
3006.4

### NFPA 101 - 2009

OCCUPANCY - NEW DAY CARE  
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

### REFERENCE

NFPA 6.1.4  
NFPA TABLE A.8.2.1.2  
7.2.2.3.1.2  
16.2.5.2  
16.2.5.3.1  
16.2.6.2