

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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Structural Engineer:
na

Electrical Engineer:
na

Mechanical Engineer:
na

Civil Engineer:
na

RELEVANT CODES

INTERNATIONAL BUILDING CODE 2009

OCCUPANCY E
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 6,793/35=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

308.5.2 EXCEPTION
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
703.2.1 EX. 6

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