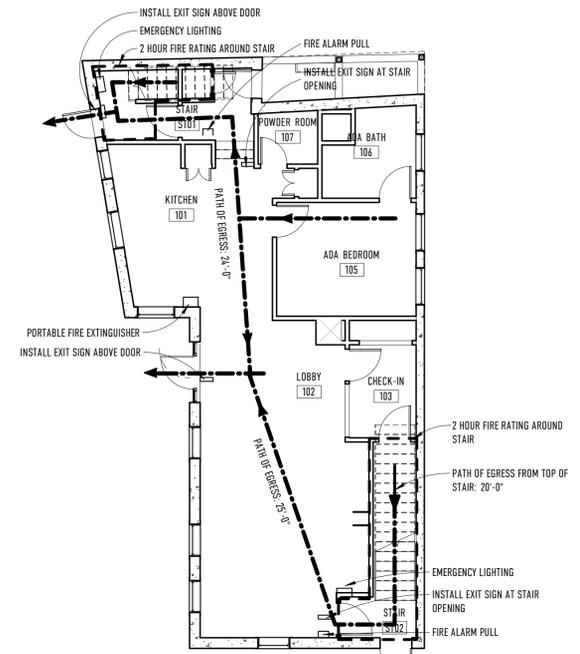
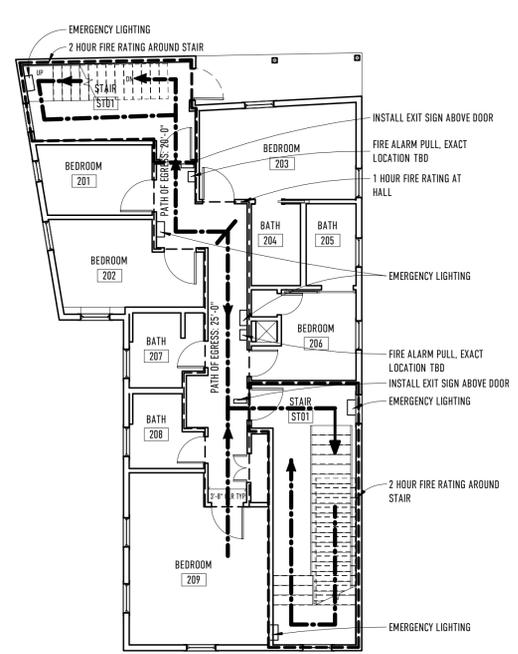


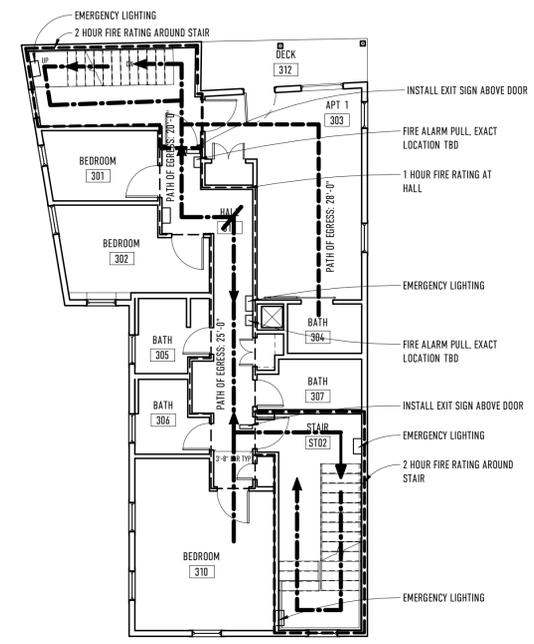
0 LIFE SAFETY PLAN- BASEMENT
 1/8" = 1'-0"



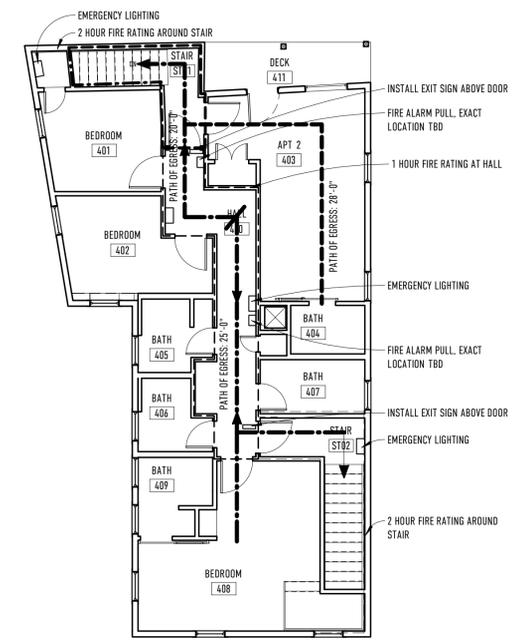
1 LIFE SAFETY PLAN- FIRST FLOOR
 1/8" = 1'-0"



2 LIFE SAFETY PLAN- SECOND FLOOR
 1/8" = 1'-0"



3 LIFE SAFETY PLAN- THIRD FLOOR
 1/8" = 1'-0"



4 LIFE SAFETY PLAN- FOURTH FLOOR
 1/8" = 1'-0"

OCCUPANCY CALCULATIONS AND REVIEW:

PER IBC 2009- OCCUPANCY CLASSIFICATION: 303 A, 310.4 R-2, 311 S-1

+/- 1,150 SF (AREA) / 300 SF NET (PP OCC S-1) = 3 PEOPLE

TOTAL OCCUPANT LOAD FOR BASEMENT FLOOR = 3 PEOPLE

OCCUPANCY CALCULATIONS AND REVIEW:

PER IBC 2015- OCCUPANCY CLASSIFICATION:
 ASSEMBLY (303.1), AT FIRST FLOOR ENTRY/LOBBY
 DORMITORY (310.4, R-2), AT ADA BED AND BATH
 DORMITORY (310.4, R-2), AT ALL OTHER LEVELS (2ND, 3RD, 4TH FLOORS)

+/- 732 SF (AREA) / 15 SF NET (PP OCC ASSEMBLY) = 49 PEOPLE ACCESSORY TO R-2 OCCUPANCY

+/- 170 SF (AREA) / 50 SF (PP OCC DORMITORY) = 3 PEOPLE

TOTAL OCCUPANT LOAD FOR FIRST FLOOR = 52 PEOPLE

OCCUPANCY CALCULATIONS AND REVIEW:

PER IBC 2015- OCCUPANCY CLASSIFICATION:
 DORMITORY (310.4, R-2), 2ND, 3RD, 4TH FLOORS

+/- 950 SF (AREA) / 50 SF (PP OCC DORMITORY) = 19 PEOPLE SECOND FLOOR

+/- 950 SF (AREA) / 50 SF (PP OCC DORMITORY) = 19 PEOPLE THIRD FLOOR

+/- 950 SF (AREA) / 50 SF (PP OCC DORMITORY) = 19 PEOPLE FOURTH FLOOR

TOTAL OCCUPANT LOAD FOR SECOND, THIRD AND FOURTH FLOOR = 57 PEOPLE

CODE SUMMARY:

APPLICABLE CODES:
 INTERNATIONAL BUILDING CODE 2009 EDITION, NFPA 101 2009 EDITION

OCCUPANCY CLASSIFICATIONS: IBC SEC 303, 310, 311

ASSEMBLY
 RESIDENTIAL R-1
 MECHANICAL

AUTOMATIC SPRINKLER SYSTEM: NFPA 13
 BUILDING PROVIDED WITH AUTOMATIC SPRINKLER SYSTEM THROUGHOUT

GENERAL BUILDING INFORMATION:

BASIC BUILDING INFORMATION:
 TOTAL EXISTING BUILDING AREA = 1,208 SF
 EXISTING BUILDING PERIMETER = 172'-10" FT

REQUIRED OCCUPANCY SEPARATIONS: IBC TABLE 508.4
 A TO R-2 = 1 HOUR

OCCUPANCY LOAD: IBC TABLE 1004.1.1, NFPA

ASSEMBLY A: 15 SF NET/OCC
 DORMITORIES: 50 SF GROSS/OCC
 MECHANICAL: 300 SF/OCC

MEANS OF EGRESS: IBC CHAPTER 10

EGRESS WIDTH PER OCCUPANT: IBC 1005.1
 0.3 INCHES PER OCCUPANT FOR STAIRWAYS
 0.2 INCHES FOR OTHER EGRESS COMPONENTS

STAIRWAY WIDTH:
 0.3 INCHES PER OCCUPANT FOR STAIRWAYS
 44" (3'-8") MIN
 0.2 INCHES FOR OTHER EGRESS COMPONENTS
 MAX 52 OCC AT 0.3 INCH PER = 15.6 INCH

EXIT ACCESS:
 COMMON PATH OF EGRESS TRAVEL: IBC 1014.3, IBC 1028.8
 FOR ASSEMBLY < 30'

CORRIDOR FIRE RESISTANCE: IBC 1018.1
 1 HOUR

CORRIDOR WIDTH: IBC 1018.2
 NOT LESS THAN 44"

DEAD- END CORRIDOR: IBC 1018.24
 DEAD END CORRIDORS IN AREAS OF WORK < 20'

PLUMBING FIXTURE COUNT: 2015 UPC TABLE 422.1
 1 PER SLEEPING UNIT PROVIDED
 1 @ ACCESSORY OCCUPANCY TO PRIMARY DORMITORY PROVIDED

NFPA REVIEW:

- PER NFPA 1: 6.1.8.1.4 - OCCUPANCY CLASSIFICATION: 311 S-1
- EXISTING FIRE ALARM SYSTEM TO BE UPDATED AND REWORKED TO MEET ALL NFPA 72 (2007) REQUIREMENTS THROUGHOUT WHOLE BUILDING.
- NEW SPRINKLER SYSTEM TO BE INSTALLED THROUGHOUT WHOLE BUILDING, TO MEET NFPA 13R (2016) REQUIREMENTS.
- PORTABLE FIRE EXTINGUISHERS TO BE LOCATED THROUGHOUT BUILDING PER NFPA 10 (2007) REQUIREMENTS.
- INSTALL EXIT SIGNS ABOVE ALL EXTERIOR DOORS AND CORRESPONDING SIGNAGE IN HALLWAYS.
- INSTALL EMERGENCY LIGHTING AT ALL HALLWAYS, AND EXIT AREAS PER NFPA.
- FIRE SEPARATION BETWEEN FIRST AND SECOND FLOOR AT FIRST FLOOR CEILING.
- STAIRWAYS TO BE ENCLOSED IN 2 HOUR FIRE SEPARATION.
- HALLWAYS TO BE ENCLOSED IN 1 HOUR FIRE RATED SEPARATION.

EXISTING CONDITIONS GENERAL NOTE:

- BACK STAIR ST01 TO REMAIN. EXISTING TREADS: 11" EXISTING RISERS: 8" WIDTH: 36" - ALL MEET EGRESS REQUIREMENTS PER NFPA TABLE 7.2.2.2.1.1 (B)
- FRONT STAIR ST02 TO BE DEMOLISHED IN ITS ENTIRETY AND REBUILT TO MEET ALL CODE REQUIREMENTS PER NFPA 7.2.2.2.1.1 (A) NEW STAIRS.
- ALL EXISTING WALLS TO REMAIN.
- EXISTING ROOF TO REMAIN.

REVISIONS:

33 HAMPSHIRE
 LIFE SAFETY PLANS

A000

33 HAMPSHIRE ST. PORTLAND, MAINE 04101

DATE OF ISSUE: 12/12/2017
 PERMIT AMENDMENT

SCALE: As indicated

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