

PROPOSED KITCHEN & DINING RENOVATIONS  
 TO EXISTING  
 22 LANE BOWLING ALLEY LASER TAG GAME ARCADE  
 30,220 SQUARE FEET (Building footprint)

EXISTING SUPERVISED AUTOMATIC SPRINKLER SYSTEM, FIRE ALARM SYSTEM AND VOICE  
 EVACUATION SYSTEM THROUGHOUT BUILDING

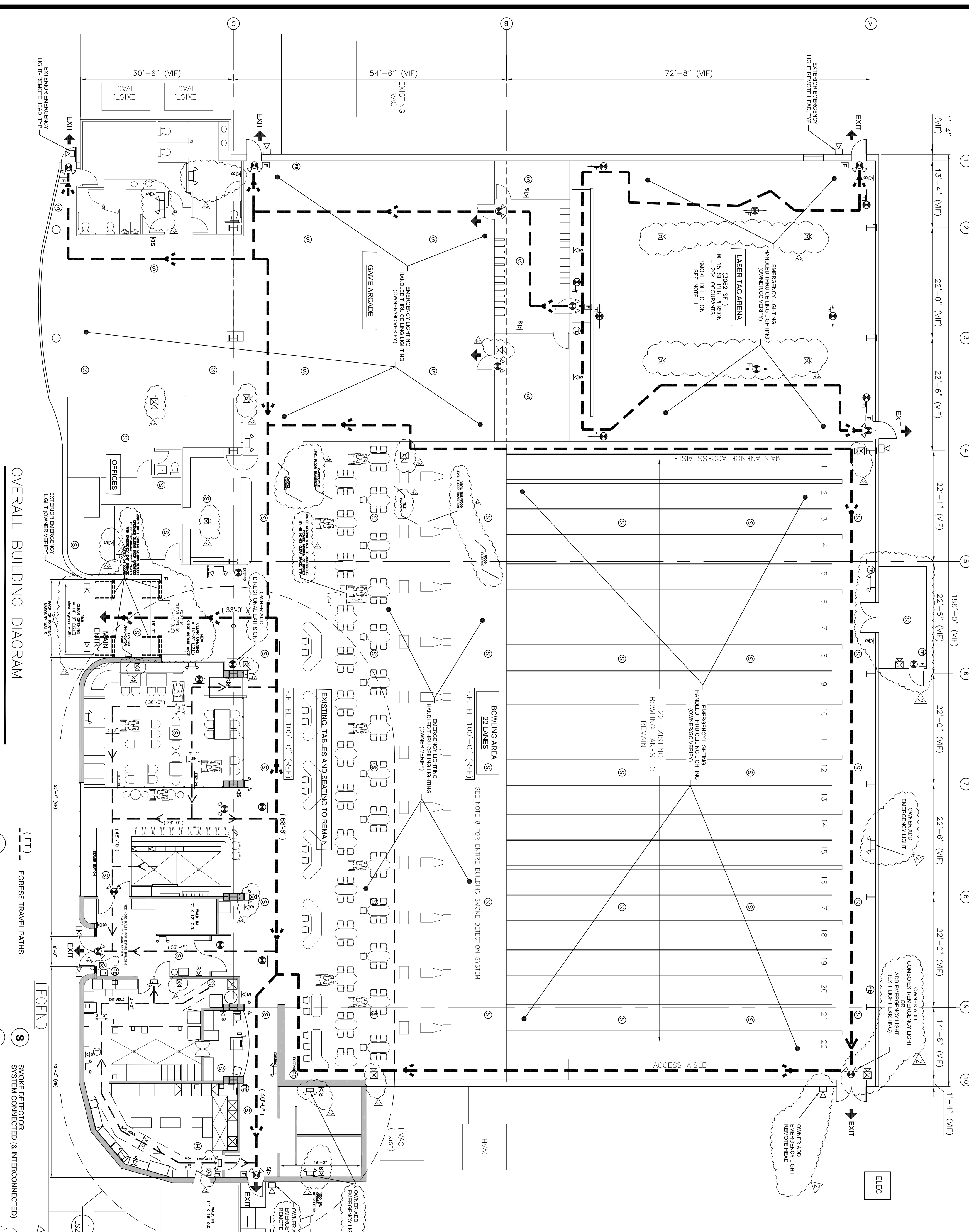
2009 EDITION NFPA 101 LIFE SAFETY CODE SUMMARY

1. OCCUPANT LOAD FACTOR

ASSEMBLY USE	ASSEMBLY USE	TOTAL
BOWLING AREA (without lanes)	5,141 SF @ 15 SF	= 343 OCCUPANTS
BOWLING OFFICES	1,261 SF @ 100 SF	= 13 OCCUPANTS
OFFICE	3,082 SF @ 15 SF	= 205 OCCUPANTS
KITCHEN (COMMERCIAL)	859 SF @ 100 SF	= 9 OCCUPANTS
DINING (Raised Platform)	737 SF @ 15 SF	= 49 OCCUPANTS
BAR	125 SF @ 100 SF	= 1 OCCUPANT
		<b>TOTAL</b> 1,000 OCCUPANTS

(SEE NOTE 11)

- EGRESS CAPACITY - LEVEL AND RAMPS 0.2 INCHES WIDTH PER PERSON
- MINIMUM NUMBER OF EXITS: FOUR
- SEPARATION DISTANCE BETWEEN EXITS SHALL BE NOT LESS THAN 1/2 THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA.
- WHERE MULTIPLE EXITS EXIST, THEY SHALL BE REMOTELY LOCATED FROM EACH OTHER AND BE ARRANGED TO MINIMIZE THE POSSIBILITY THAT MORE THAN ONE HAS THE POTENTIAL TO BE BLOCKED BY ANY ONE FIRE OR OTHER EMERGENCY CONDITION.
- COMMON PATH OF TRAVEL: PERMITTED FOR THE FIRST 20 FEET SERVING ANY NUMBER OF OCCUPANTS.
- DEAD END CORRIDORS SHALL NOT EXCEED 20 FEET
- EXIT ACCESS TRAVEL DISTANCE - NOT TO EXCEED 200 FEET (SPRINKLERED)
- CONSTRUCTION CLASSIFICATION:
  - TYPE II NONCOMBUSTIBLE CONSTRUCTION
- ALL ILLUMINATION OF MEANS OF EGRESS: EMERGENCY LIGHTING REQUIRED AT ALL EXITS, AISLES, CORRIDORS AND PASSAGEWAYS LEADING TO AN EXIT.
- CONTINUOUS DURING THE TIME THAT THE CONDITIONS OF OCCUPANCY REQUIRE THE MEANS OF EGRESS BE AVAILABLE FOR USE
- PROVIDE 1 FT CANDELA (0.08 LUX) MINIMUM AT ALL EGRESS AISLES. IF OVERHEAD CONTRIBUTOR SHALL BE REDUCED TO 0.04 LUX MINIMUM AT ALL EGRESS AISLES. LIGHT FIXTURE SELECTED TO ACHIEVE MINIMUM ILLUMINATION AS DESCRIBED.
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- SMOKE DETECTORS SHALL BE PROVIDED IN ENTIRE FACILITY AND INTERCONNECTED.
- CONDITIONS PROHIBIT THE INSTALLATION OF SMOKE DETECTOR WHERE AMBIENT LIGHT BEING EMISSIONS FROM LIGHT SOURCES OR LIGHT SOURCES WITH LOCAL FIRE DEPARTMENT BEFORE INSTALLATION.
- ACTIVATION OF ANY SMOKE DETECTOR SYSTEM DEVICE SHALL SOUND AN ALARM AT A CONSTANTLY ATTENDED LOCATION ON THE PREMISES. (13.4.7.5)
- MARKING OF MEANS OF EGRESS:
  - ALL MEANS OF EGRESS OTHER THAN MAIN EXTERIOR DOOR CLEARLY IDENTIFIABLE AS AN EXIT.
  - ILLUMINATED EXIT SIGNAGE (DIRECTIONAL) WHERE THE CONTINUATION OF THE EGRESS PATH IS NOT OBVIOUS.
  - FOR EXIT DOORS, THE SIGN SHALL BE MOUNTED ON THE DOOR OR ADJACENT TO THE DOOR, WITH THE NEAREST EDGE WITHIN 4" OF THE DOOR FRAME. (7.10.1.6)
  - TACTILE SIGNAGE SHALL BE PROVIDED AT EACH EXIT DOOR REQUIRING AN EXIT SIGN AND RESTROOMS IN ACCORDANCE WITH THE American National Standard for Accessible and Usable Buildings and Facilities. SEE DRAWING A10.
- ASSEMBLY SPACES EXCEEDING 1000 OCCUPANTS SHALL BE PROVIDED WITH A NOTIFICATION SYSTEM OF MEANS OF EGRESS.
- NOTIFICATION SYSTEMS OF MEANS OF EGRESS SHALL BE INITIATED BY PERSON IN A CONSTANTLY ATTENDED RECEIVING STATION. THE ANNOUNCEMENT MAY BE MADE VIA PUBLIC ADDRESS SYSTEM IF PERMITTED BY LOCAL AUTHORITY HAVING JURISDICTION.
- EVERY ROOM CONSTITUTING AN ASSEMBLY OCCUPANCY AND NOT HAVING FIXED SEATING SHALL BE PROVIDED WITH A SMOKE DETECTOR.
- SMOKE DETECTOR SHALL BE DURABLE AND SHALL INDICATE THE MAXIMUM NUMBER OF OCCUPANTS PERMITTED FOR EACH ROOM USE.



OVERALL BUILDING DIAGRAM

3/32" = 1'-0"  
 NOTES: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16

- ON JUNE 20, 2015, IN LIEU OF INSTALLING SMOKE DETECTORS IN LASER TAG ARENA, CITY OF PORTLAND ASSISTANT FIRE 2072464(20) TO INSTALL QUICK RESPONSE SPRINKLER HEADS IN THE ROOM ALONG WITH HEAT DETECTORS IN THE SHIRNY AND RETURN MECHANICAL AIR DUCTWORK WHICH ARE WIRED TO THE SYSTEM ALARM.
- THE VOICE ANNUNCIATION SYSTEM INITIATED UPON ACTIVATION OF THE FIRE ALARM SYSTEM IS A RE-RECORDED VOICE MESSAGE INTEGRATED WITHIN THE FIRE SYSTEM. THE FIRE ALARM SYSTEM IS MONITORED AT A REMOTE, CONSTANTLY ATTENDED LOCATION. (SEE DRAWING A10) AND THE ANNOUNCEMENT SHALL BE MADE VIA PUBLIC ADDRESS SYSTEM IF PERMITTED BY THE CITY FIRE DEPT.

LEGEND

- (FT) EGRESS TRAVEL PATHS
- (FE) FIRE EXTINGUISHER
- (S) SMOKE DETECTOR SYSTEM CONNECTED (& INTERCONNECTED)
- (H) RATE OF RISE HEAT DETECTOR SYSTEM CONNECTED
- (F) FIRE ALARM AUDIOVISUAL STROBE
- (F) FIRE ALARM PULL STATION
- (S) FIRE ALARM VISUAL STROBE
- (EL) EXIT LIGHT ILLUMINATED (UNSWITCHED)
- (EL) EXIT LIGHT ILLUMINATED (DIRECTIONAL WITH ARROW)
- (EL) COMBINATION EXTINGUISHER/EXIT LIGHT

NOTE: REFER TO ELECTRICAL DRAWINGS E100 & E200

KITCHEN & DINING RENOVATIONS  
 SPARE TIME BOWLING  
 867 RIVERSIDE STREET  
 PORTLAND, MAINE  
 OVERALL BUILDING DIAGRAM

JOHN H. LEASURE ARCHITECT, INC.  
 6 Q STREET  
 SOUTH PORTLAND, MAINE 04106

REV.	DATE	STATUS
0	4-6-16	ISSUED FOR PERMITS
1	6-14-16	ADDED PLATFORM DINING & RAMP
2	9-14-16	REVISIONS (FMO COMMENTS 7-21-16)

