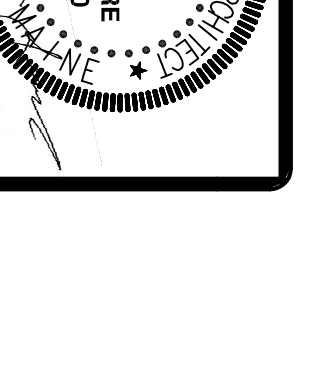
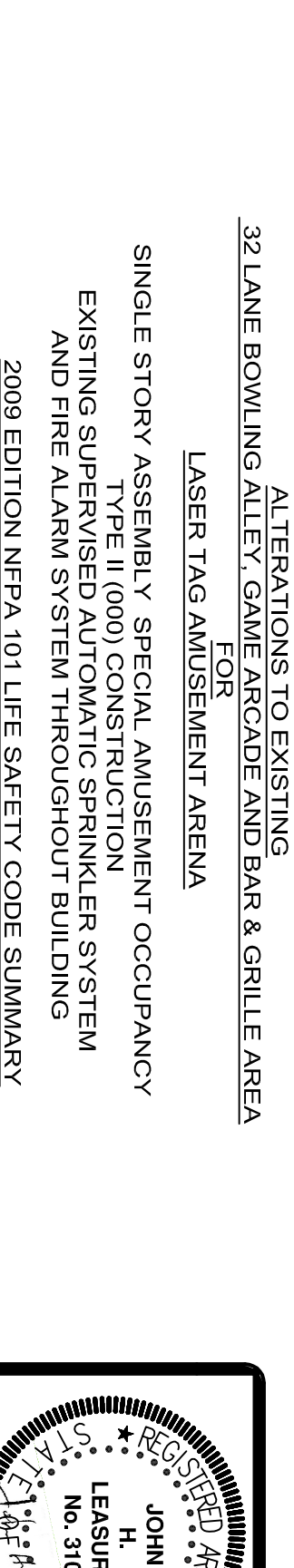
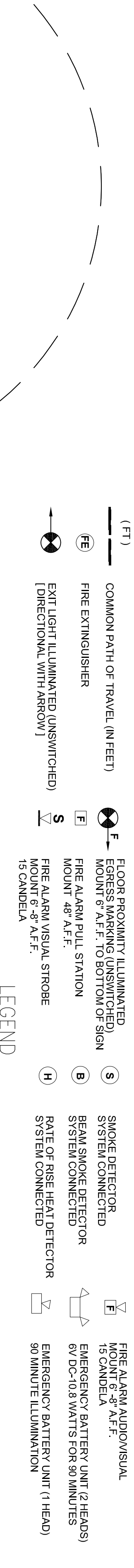


LASER TAG ARENA
 Walls illustrated are 48" Wide by 94" High.
 The Center Prop is between 12 feet & 16 feet high depending on the Mount with the bases about 10 feet high.
 Maintain 36" clear minimum for all aisle widths between partitions, typical.



LEGEND

- (FT) COMMON PATH OF TRAVEL (IN FEET)
- FE FIRE EXTINGUISHER
- EXIT LIGHT ILLUMINATED (UNSWITCHED) [DIRECTIONAL WITH ARROW]
- FLOOR PROXIMITY ILLUMINATED MOUNT 6" A.F.F. TO BOTTOM OF SIGN
- FI FIRE ALARM PULL STATION MOUNT 48" A.F.F.
- FS FIRE ALARM VISUAL STROBE 15 CANDELA
- S SMOKE DETECTOR SYSTEM CONNECTED
- B BEAM SMOKE DETECTOR SYSTEM CONNECTED
- H RATE OF RISE HEAT DETECTOR SYSTEM CONNECTED
- EM EMERGENCY BATTERY UNIT (2 HEADS) MOUNT 6" A.F.F.
- 15 CANDELA
- EV BY DC-10.8 WATTS FOR 90 MINUTES
- EMERGENCY BATTERY UNIT (1 HEAD) 90 MINUTE ILLUMINATION

ALTERATIONS TO EXISTING FOR LASER TAG AMUSEMENT ARENA

SINGLE STORY ASSEMBLY SPECIAL AMUSEMENT OCCUPANCY TYPE II (000) CONSTRUCTION EXISTING SUPERVISED SPRINKLER SYSTEM AND FIRE ALARM SYSTEM THROUGHOUT BUILDING

2009 EDITION NFPA 101 LIFE SAFETY CODE SUMMARY

1. OCCUPANT LOAD FACTOR

ASSEMBLY USE SPECIAL AMUSEMENT

EXISTING BOWLING AREA (without lanes)	6,615 SF @ 75SF = 441 OCCUPANTS
EXISTING BAR & GRILLE	2,868 SF @ 155SF = 190 OCCUPANTS
EXISTING BOWLING OFFICES	1,261 SF @ 100SF = 13 OCCUPANTS
EXISTING ARCADE GAMES	1,183 SF @ 15SF = 108 OCCUPANTS
NEW ARCADE GAMES	2,719 SF @ 115SF = 247 OCCUPANTS
LASER TAG ARENA	3,062 SF @ 155SF = 204 OCCUPANTS
TOTAL	1,203 OCCUPANTS

(SEE NOTE 13)

3. EGRESS CAPACITY - (LASER TAG ARENA)

0.2 INCHES WIDTH PER PERSON - 249 OCCUPANTS (3 EXITS) = 83 X 0.2 = 16.6"
 50% OCCUPANTS (125 X 0.2) = 25"

TOTAL OF THREE EXITS: EACH EXIT SHALL BE 36" WIDE DOORS MINIMUM; ALL WITH FIRE EXIT PANIC HARDWARE (SEE NOTE 7 TYP)

4. MINIMUM NUMBER OF EXITS: TWO

- SEPARATION DISTANCE BETWEEN EXITS SHALL BE NOT LESS THAN 1/2 THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA.
 LASER TAG ARENA DIAGONAL DISTANCE IS 492FT - 31FT MINIMUM EXIT SEPARATION

- WHERE TWO 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.

5. 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)

6. CONSTRUCTION CLASSIFICATION:

- TYPE II NONCOMBUSTIBLE CONSTRUCTION

7. ALL EGRESS EXIT DOORS SHALL BE EQUIPPED WITH FIRE EXIT PANIC HARDWARE. G.C. VERIFY IN FIELD AND PROVIDE IF NECESSARY. SEE DOOR SCHEDULE DWG A11.

8. ILLUMINATION OF MEANS OF EGRESS:

EMERGENCY LIGHTING REQUIRED AT ALL EXITS, AISLES, CORRIDORS AND PASSAGeways CONTINUOUS DURING THE TIME THAT THE CONDITIONS OF OCCUPANCY REQUIRE THE MEANS OF EGRESS BE AVAILABLE FOR USE.
 PROVIDE 1 FT-CANDLE (10.8 lux) MINIMUM IN LASER TAG ARENA AT ALL POINTS. IF OVERHEAD EMERGENCY LIGHTING IS REQUIRED TO ACCOMPLISH MINIMUM LIGHT LEVELS, THEN GC SHALL PROVIDE.

9. AN APPROVED AUTOMATIC SMOKE DETECTION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 9.8.

- WHERE AMBIENT CONDITIONS PROHIBIT THE INSTALLATION OF SMOKE DETECTOR, A HEAT DETECTOR SHALL BE USED. (9.6, 1.8, 1.2)

- ACTIVATION OF ANY SMOKE DETECTOR SYSTEM DEVICE SHALL SOUND AN ALARM AT A CONSTANTLY ATTENDED LOCATION ON THE PREMISES. (1.3, 4, 1.5)

10. MARKING OF MEANS OF EGRESS:

- ILLUMINATED EXIT SIGNAGE OTHER THAN MAIN EXTERIOR DOOR CLEARLY IDENTIFIABLE AS AN EXIT.

- ILLUMINATED EXIT SIGNAGE (DIRECTIONAL) WHERE THE CONTINUATION OF THE EGRESS PATH IS NOT DIRECTLY ILLUMINATED, BOTTOM OF SIGN MOUNTED NOT LESS THAN 6 INCHES OR MORE THAN 18 INCHES ABOVE FLOOR.

- 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)

11. FLOOR PROXIMITY EGRESS PATH MARKING: (7.10, 1.7)

- ILLUMINATED EXIT 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.

13. ASSEMBLY SPACES EXCEEDING 1000 OCCUPANTS SHALL BE PROVIDED WITH A VOICE ALARM SYSTEM. THE SYSTEM SHALL BE INITIATED BY PERSON CONSTANTLY ATTENDED RECEIVING STATION. THE ANNOUNCEMENT MAY BE MADE VIA PUBLIC ADDRESS SYSTEM IF PERMITTED BY LOCAL AUTHORITY HAVING JURISDICTION.

14. EVERY ROOM CONSTITUTING AN ASSEMBLY OCCUPANCY AND NOT HAVING FIXED SEATING SHALL HAVE THE MAXIMUM OCCUPANT LOAD DETERMINED IN A MANNER THAT SHALL BE DETERMINED BY THE ARCHITECT AND SHALL BE DURABLE AND SHALL INDICATE THE MAXIMUM NUMBER OF OCCUPANTS PERMITTED FOR EACH ROOM USE.

GENERAL NOTES

1. BUILDING IS CURRENTLY PROTECTED WITH A FULLY AUTOMATIC SUPERVISED SPRINKLER SYSTEM WITH AN EXISTING FIRE ALARM PANEL. IN ENTRY LOBBY, CONTRACTORS SHALL PROVIDE PLANS TO MODIFY EXISTING SYSTEM TO MAINTAIN CONFORMANCE WITH CODES AND SUBMIT PLANS TO THE STATE (DEPT OF PUBLIC SAFETY) AND LOCAL AUTHORITIES FOR APPROVALS BEFORE ANY ORDERING OR INSTALLATION.

2. ENTIRE BUILDING SHALL ALSO BE PROVIDED WITH A SMOKE DETECTION SYSTEM IN ACCORDANCE WITH NFPA 101 SECTION 9.6. BEAM TYPE SMOKE DETECTORS MAY BE USED (IF APPROVED) AND ARRANGED IN THE LASER TAG ARENA, SO AS NOT TO ACTIVATE "FALSE ALARMS" INITIATED BY THE THEATRICAL FOG USE IN THAT GAMING ARENA. CONSULT OWNER FOR DETAILS OF FOGGER/HAZER SYSTEM.

3. REFER TO UCS FOR EXTERIOR EXIT LANDINGS AND RAMPS.

PROPOSED LASER TAG AMUSEMENT SPARE TIME BOWLING 867 RIVERSIDE STREET PORTLAND, MAINE

LIFE SAFETY PLAN and NFPA 101 CODE SUMMARY

REVISIONS

REV.	DATE	STATUS
0	2-26-15	ISSUED FOR PERMITS
1	3-10-15	GENERAL REVISIONS
2	4-10-15	GENERAL REVISIONS

PROJECT NORTH

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

LS1

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 JOHN H. LEASURE
 No. 310

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