

GENERAL NOTES

2009 INTERNATIONAL BUILDING CODE (IBC) SUMMARY

- All work shall be in accordance with IBC 2009 by ICC, 2009 NFPA 101 Life Safety Code, 2010 ADA Standards for Accessible Design, Maine Uniform Building Code, NFPA-70 National Electric Code, NFPA 54 National Fuel & Gas Code, NFPA 96, and any other NFPA codes applicable to Mechanical, Electrical or HVAC installation, Maine State Plumbing Code, ASHRAE, ASTM, UL (Underwriters Laboratories) and all local, State and Federal requirements.
- All applicable Federal, State and Municipal regulations shall be followed, including the Federal Department of Labor Occupational Safety and Health Act (OSHA)
- All required City and State permits must be obtained before any construction begins.
- It is the contractor's sole responsibility to determine erection procedures and sequence to ensure the safety of the building and its components during erection. This includes the addition of necessary shoring, sheeting, temporary bracing, guys or tie-downs. Such material shall remain the property of the contractor after completion of the project.
- All fire ratings indicated shall be continuous to underside of roof deck/floor as indicated. Seal all openings & mechanical penetrations with approved fire rating material and/or rated fire dampers as applicable.
- All egress doors shall have positive self-closer and latch mechanisms with lever handles or panic hardware meeting standards as specified in the 2010 ADA & 2009 NFPA-101 codes. Door width in the required means of egress shall provide a clear width of 32 inches minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. (Refer to Door Schedule)
- Mechanical, Electrical, Plumbing, Heating, Ventilating and Air Conditioning Engineering Design by others. Coordination with Architectural plans by G.C. Obtain necessary Permits and Conform to applicable codes.
- G.C. coordinate dining room furniture, kitchen equipment layout, and interior finishes with Owner. Refer to "IBC Summary" Note 10 for interior finish requirements.
- Dimensions shown are approximate and are measured to the face of stud walls or centerline of studs (u.n.o.).
- Contractor shall verify actual dimensions and locations of existing structural elements, masonry foundations, exterior wall locations, ceiling heights, insulation, floor elevations and life safety equipment in the field prior to placement of walls and related equipment.
- Fasteners for pressure treated lumber or trim shall be stainless steel or hot dipped galvanized. Contractor shall insure that there is no galvanic corrosion action due to dissimilar metal contact.
- Owner is responsible to comply with the "Maine Food Code" and any other local, State or Federal Health Codes for Kitchen and Dining Facilities.
- For Wall Types - See Drawing A3
- For Door Schedule - See Drawing A4
- Refer to Drawings LSI 1, & LSI2 for Life Safety Plans and NFPA 101 Code Summary

ABBREVIATIONS

CONC.	CONCRETE
COL	COLUMN
COIL	COIL
GYP	GYPSONUM
TRF	TRUSS
VIF	VERTICALLY IN FIELD
UON	UNLESS OTHERWISE NOTED
EPDM	ETHYLENE PROPYLENE DIENE
MONOMER	
DWGS	DRAWINGS
STR	STRUCTURAL
BD	BOARD
SF	SQUARE FEET
WI	WITH
MIN	MINIMUM
MAX	MAXIMUM
COORD	COORDINATE
EXIST	EXISTING
DN	DOWN
@	AT
O.C.	ON CENTER
R.O.	ROUGH OPENING
M.O.	MASONRY OPENING
ELEV	ELEVATION
ELEV	ELEVATION
FC	FIRE CODE
FRT	FIRE RETARDANT TREATED
XPS	EXTRUDED POLYSTYRENE
GC	GENERAL CONTRACTOR
PT	PRESSURE TREATED
CL	CENTERLINE

1. Occupancy Classification - Mixed: Assembly Group A-3 (Special Amusement - Section 411)	
Existing Bowling Area (5 person/lane incl 15ft of runway)	22 lanes X 5 persons = 110 Occupants 5,141 SF @ 7SF = 734 Occupants
1 New Dining & Lounge (Tables & Chairs)	1,134 SF @ 15SF = 76 Occupants
New Kitchen (Commercial)	838 SF @ 200SF = 4 Occupants
Bowling Offices	1,261 SF @ 100SF = 13 Occupants
Games Arcade	3,902 SF @ 11SF = 355 Occupants
Laser Tag Arena	3,062 SF @ 15SF = 204 Occupants
	Total = 1,496 Occupants (See Note 11 / LSI1)

- Egress capacity - (laser tag arena)
Level and Ramps
0.2 inches width per person - 249 occupants (3 exits) = 83 x 0.2 = 16.6" minimum.
50% capacity at two exits - 124.5 occupants x 0.2 = 24.9" minimum.
Total of three exits provided: each with 36" minimum door width.
- Construction Type II (000) - Noncombustible Partitions and Structural Frame
- Fire retardant-treated wood shall be permitted in non-bearing partitions where no fire rating is required or where the required fire rating is 2 Hrs or less. (603.1)
 - Any plywood wall panels and/or partition panels shall be painted on both sides with "Universal Fire Shield" fire retardant paint additive for water based paints or approved equal. Also paint existing vinyl faced roof insulation with Class A fire rated paint or demonstrate that product is Class A fire rated. Classified Fire Rating: CLASS A, Flame spread=0, Smoke Dev.=0, Meets ASTM E-84, UL 263. This method is subject to approval by Authority having jurisdiction prior to any construction.
 - Thermal and acoustical insulation, other than foam plastics, shall have a flame spread index of not more than 25.
- Accessible Means of Egress
 - Minimum two exits required from any room or space with more than 49 occupants.
 - Egress exit doors serving 50 occupants or more shall be equipped with horizontal panic bar or push pad type (refer to door schedule)
- Every room or space that is an assembly occupancy shall have occupant load posted with permanent sign in conspicuous place near main exit [1004.3] Renovated Dining Room shall have posted occupant sign. (See Plans)
 5. Illumination of Means of Egress:
Emergency lighting shall be provided for not less than 1 1/2 hour in the event of power failure. Emergency lighting facilities shall be so arranged to provide initial illumination that is not less than an average of 1 Ft candle (10.8 Lux) and at any point not less than 0.1 Ft candle (1.1 Lux) measured along the path of egress at floor level. Contractor shall space accordingly based on emergency light fixture selected to achieve minimum illumination as described herein.
 - Emergency power system for lighting shall be at least Type 10, Class 1.5, Level 1 in accordance with NFPA 110.
 - Unit equipment and battery system for emergency luminaires shall be listed to UL 924.
 - Emergency lighting shall be either continuously in operation or shall be capable of repeated automatic operation without manual intervention.
 - Emergency voice/alarm communications system shall be provided and shall be audible throughout the entire special amusement space. (411.6)
 - An automatic smoke detection system shall be provided in the entire facility. (411.5). Alarm Contractor shall confirm locations and product types w/ authority having jurisdiction before installation.
 - Activation of any single smoke or heat detector, the automatic sprinkler system, or any other automatic fire detection device shall immediately sound an alarm at the building in a constantly attended location from which emergency action can be initiated, including manual initiation.
 - Activation of two or more smoke detectors, a single smoke detector equipped with an alarm verification feature, or the automatic sprinkler system, shall automatically:
 - Cause illumination of the means of egress with light of not less than 1 footcandle (11 lux) at the walking surface level. (See Note 5 above)
 - Stop any conflicting or confusing sounds and visual distractions.
 - Activate an approved directional exit marking that will become apparent in an emergency and
 - Activate a pre-recorded message, audible throughout the the special amusement space, instructing patrons to proceed to the nearest exit. Alarm signals used in conjunction with the pre-recorded message shall produce a sound which is distinctive from other sounds used during normal operations.

- 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 obvious.
Where designs that disguise the path of egress travel such that they are not apparent, approved and listed low-level exit signs shall be used. These signs shall be electrically powered, self luminous and photoluminescent and shall be listed and labeled in accordance with UL 924 and shall be installed in accordance with manufacturer's instructions. Exit signs shall be illuminated at all times.
These directional path markings shall be located not more than 8 inches above the walking surface and on or near the path of egress travel. The directional exit marking shall be activated by the automatic sprinkler system. (411.7)

Visual and Tactile EXIT signage (raised letters) shall be provided at each exit door requiring an exit sign and at accessible restrooms. Character style, case, depth and height shall comply with the **American National Standard for Accessible and Usable Buildings and Facilities**: (2010 ADA Standards for Accessible Design). Signs shall be located 48" above the finished floor or ground surface, measured from the baseline of the lowest tactile character, maximum above the finished floor, measured from the baseline of the highest tactile character. Locate signs within 18" of the latch side of doors, or when there is no wall space available, at the nearest adjacent wall. See notes on drawing LSI5.

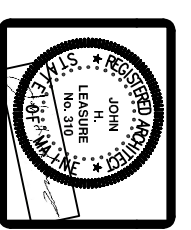
Visual and Tactile signage, accompanied by the International Symbol of Accessibility, shall be provided at accessible toilet facilities. Character case, style, proportions and height shall comply with 703.5.
Visual characters shall be 40" minimum above finished floor or ground. Signs shall be located within 18" of the latch side of doors or on the push side of doors with closers and without hold open devices in accordance with 703.4.2. See notes on drawing LSI5.

10. Interior wall and ceiling finishes shall be Class A flame spread index 0-25; smoke developed index 0-450 and classified in accordance with ASTM E 84 or UL 723. (411.6)

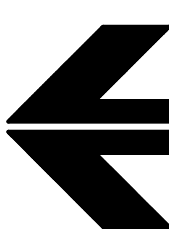
11. Energy Efficiency
Comply with *Maine Uniform Energy Code (MUEC)* and 2009 International Energy Conservation Code (IECC)

12. Glazing at all interior walls and exterior walls shall meet criteria for safety glass installation in accordance with section 2406 of the IBC 2009 code. Contractor shall confirm compliance of existing glazing in field (typ)
Glazing less than 18" above finished floor and within 24" of door (less than 60" above floor) and glazing within 36" horizontally of walking surface requires safety glazing. Contractor shall verify existing glazing at exterior walls for safety glazing compliance.
Safety glazing is not required for the following installation:
A protective bar 1 1/2" or more in height capable of withstanding a horizontal load of 50 pounds without contacting the glass, is installed on the accessible sides of the glazing 34" to 38" above the floor.

REV.	DATE	STATUS
0	4-6-16	ISSUED FOR PERMITS
1	6-14-16	ADDED PLATFORM DINING & RAMP



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