

Planning and Building Specification Guide New Bowling Center Construction



New Upscale Bowling Centers Use Murrey BigScreens™ Masking Units, Duo™ Computer Scoring, Murrey Black Light Glow Synthetic Lanes, Comfort Curve™ Bowler's Sofas and LaneFX™ Lighting.

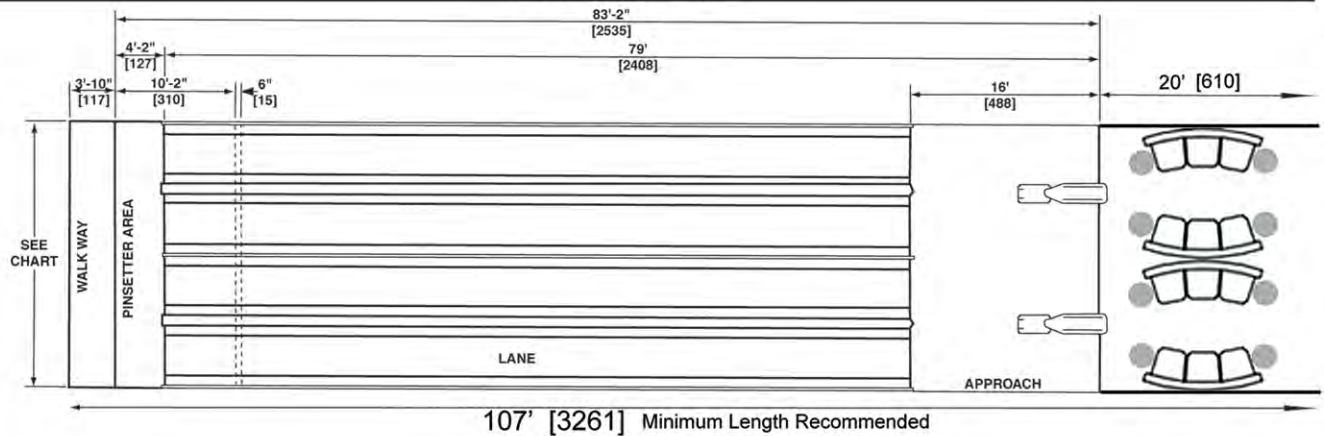
MURREY®

Manufacturers and General Building Contractors

BOWLING LANE WIDTH DIMENSIONS

NUMBER OF UNINTERRUPTED LANES	MINIMUM WIDTH 10-1/2" RETURNS STANDARD [METRIC]	NUMBER OF UNINTERRUPTED LANES	MINIMUM WIDTH 10-1/2" RETURNS STANDARD [METRIC]	NUMBER OF UNINTERRUPTED LANES	MINIMUM WIDTH 10-1/2" RETURNS STANDARD [METRIC]
2	11'-4" [345]	18	100'-2" [3053]	34	189'-0" [5761]
4	22'-5-1/4" [684]	20	111'-3-1/4" [3392]	36	200'-1-1/4" [6099]
6	33'-6-1/2" [1022]	22	122'-4-1/2" [3730]	38	211'-2-1/2" [6438]
8	44'-7-3/4" [1361]	24	133'-5-3/4" [4068]	40	222'-3-3/4" [6776]
10	55'-9" [1699]	26	144'-7" [4407]	42	233'-5" [7115]
12	66'-10-1/4" [2038]	28	155'-8-1/4" [4745]	44	244'-6-1/4" [7453]
14	77'-11-1/2" [2376]	30	166'-9-1/2" [5084]	46	255'-7-1/2" [7791]
16	89'-3/4" [2715]	32	177'-10-3/4" [5422]	48	266'-8-3/4" [8130]

TOP VIEW OF LANE



Murrey Bowling - New Bowling Center Layouts

Minimum Space Requirements

Generally, you can figure about 1,000 square feet per lane minimum is required for a Bowling center. The actual foot print of the bowling lane uses up about 620 sq.ft. per lane leaving 380 sq.ft. or 38% for all of the other areas including the concourse, front desk, restrooms, snackbar, etc. More square footage will be required for a large lounge, game room, restaurant, or other amenities.

The minimum length to accommodate the bowling lanes and bowler's seating area is 107'. A larger bowler's seating area is preferred whenever possible.

The width required can be easily determined by referring to the width dimensions chart above for the number of lanes desired. Be sure to add an extra 3' as an aisle walkway for your pinsetter mechanic.

Spacing for Columns or Posts

Most buildings use columns or posts to support the roof structure. You must make sure of the measurement between posts (edge to edge) in order to properly figure the number of lanes that will fit in between posts. Refer to the Bowling Lane width chart above for measurements.

Checklist for Bowling Centers

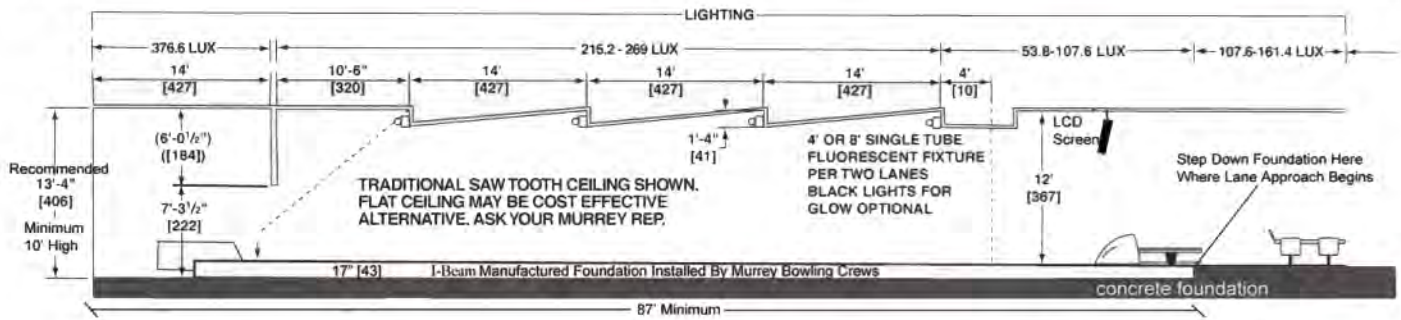
- * Size of property including all parking areas.
- * Zoning for this property and any restrictions.
- Ability to obtain a Alcohol License at location.
- * Local ordinances and parking requirements.
- * Roof structure to support LCD Monitors.
- * Columns or posts in the Bowling area.
- * Building elevations and handicap access.
- * Electrical Power Panels - Volts and Amps.
- * Existing restroom facilities and local codes.
- * Lighting and Electrical requirements.
- * Sufficient heating and air conditioning.

Architects & Interior Design

Licensed architects and designers in the local area can provide you with cost estimates to build and decorate your center based on local codes and building permit requirements.

As a licensed General Building Contractor, Murrey Bowling is uniquely qualified to work with your local architect, designer, and building contractor to insure the Bowling Lane area will be properly prepared prior to the arrival of your bowling equipment.

SIDE VIEW OF LANES



Ideal Foundation Design

The best Bowling Center Layouts are designed to have one level surface throughout so that when a Bowler steps onto the Lane Approach Area, there is no step. This can be achieved by stepping down the concrete foundation at the point illustrated above in the side view drawing.

Minimum Ceiling Heights

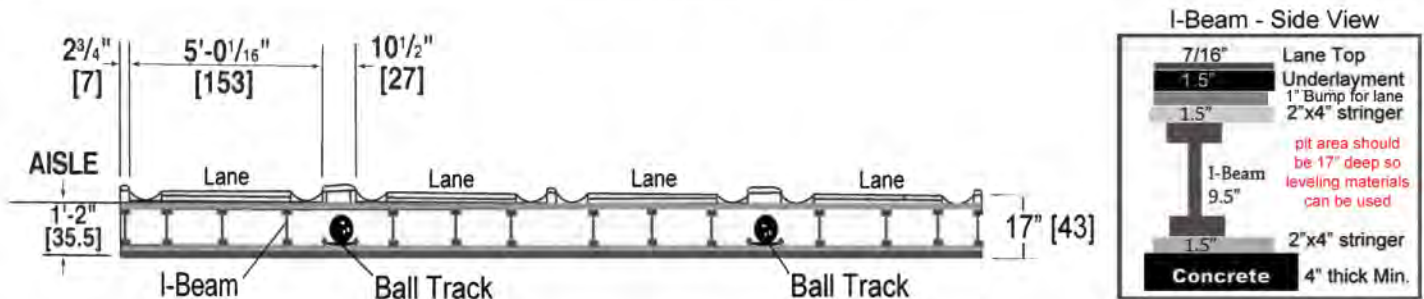
We recommend 13' in height from the concrete floor to the ceiling, however, we can install lanes and pinsetter machines in a minimum of 10' if necessary.

Alternative Foundation Design

Most existing buildings have one level surface that is not feasible to change. This type of building requires us to build the lanes upon a manufactured foundation that elevates the Bowling Lanes Area about 17" higher than the other areas. A simple ramp for ADA can be installed along with steps to access the bowling lanes. Generally, the Bowler's seating area is also elevated the same height as the lane area.

Yet another alternative is to trench the ball return channels in order to minimize the foundation height of the lanes - Consult our Install Team for details.

CROSS SECTION OF LANES



Designed & Engineered To Be The World's Best Bowling Lanes

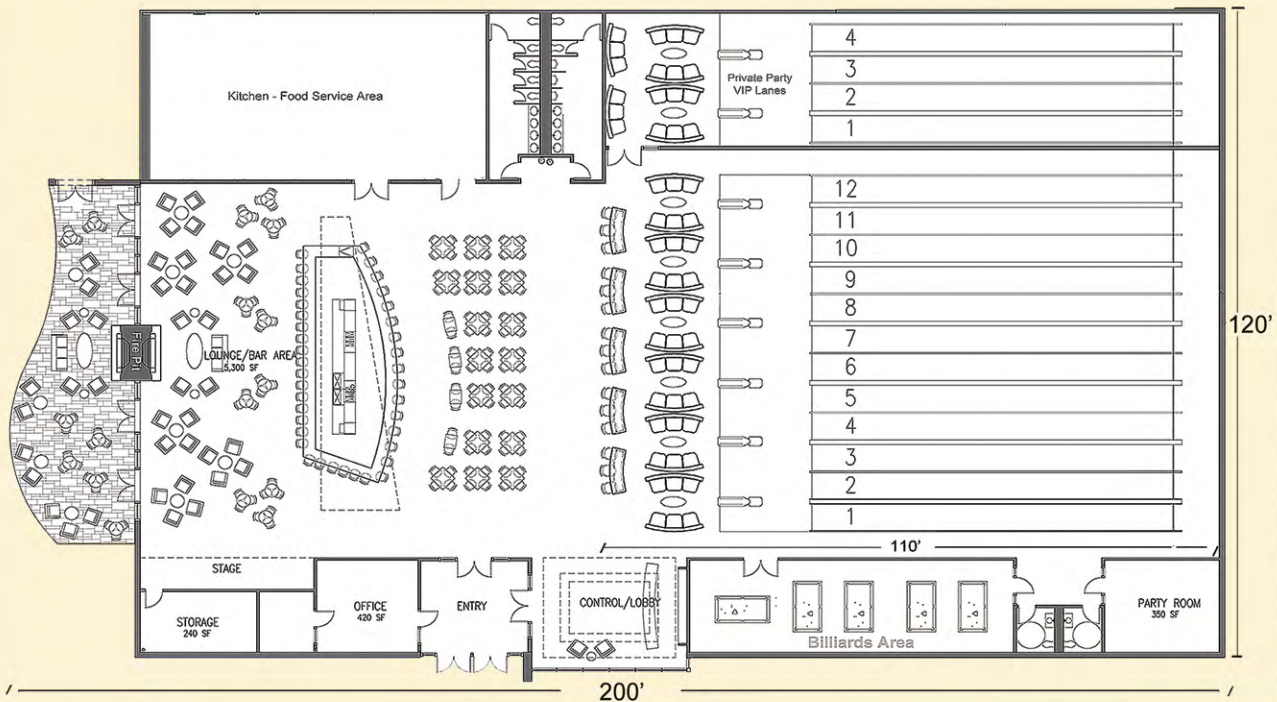
Murrey Bowling equipment is designed and engineered to be the World's very best from the foundation on up! We utilize only the latest engineered foundation components that provide maximum strength and durability while also providing the exacting leveling required by The United States Bowling Congress for certification of bowling lanes. Our I-beam foundation design is secured to the existing concrete foundation and then laser leveled prior to placement of the actual lane surface.

Murrey's new Bowling Center construction offers many features and benefits not available anywhere else on the planet. Our MML-3000 Synthetic Lanes are manufactured to exacting standards that can only be achieved using state-of-the-art CNC fabrication machinery for precision production. Murrey MML-3000 Synthetic Lanes offer a LIFETIME WARRANTY against any kind of delamination. These lanes feature a virtually maintenance free lane surface that never needs to be sanded or resurfaced like old-style wooden lanes. Your bowler's will love the way their scores will be much higher due to the MML-3000 synthetic lanes precision surface and perfect level.

Contact a MURREY sales representative for more details on building a new bowling center or modernizing an existing bowling center.

Tel: 310 532-6091 Fax: 310 217-0504 email: sales@MurreyBowling.com

New Upscale 16 Lane Bowling Center with Lounge and Restaurant



Planning Concepts

Bowling has become one of the highest participation sports in the world offering both sport and social experiences for all age groups. Today's new Murrey bowling centers offer state-of-the-art computer scoring with high-definition LCD screens, synthetic surfaced glow-in-the-dark lanes, custom graphics, lighting, sofa seating, automatic gutter bumpers for younger bowlers, BigScreen™ masking units with LCD daylight projectors, LaneFX™ multi-colored lane lighting and much more!

Planning and designing a new bowling center requires knowledge and experience of bowling equipment and installation. As a bowling equipment manufacturer and a licensed general building contractor, Murrey International is uniquely qualified to provide turn-key Built to Bowl™ bowling centers. Our 70+ years of excellence in the bowling industry is a testimonial of our commitment to quality and manufacturing excellence since 1938.

Our partner architectural and design groups can offer sustainable designs connecting body mind, and spirit in an ecologically balanced environment. Murrey is able to provide these services as part of our complete Built to Bowl™ contract agreement. Just ask one of our sales representatives for more information.



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