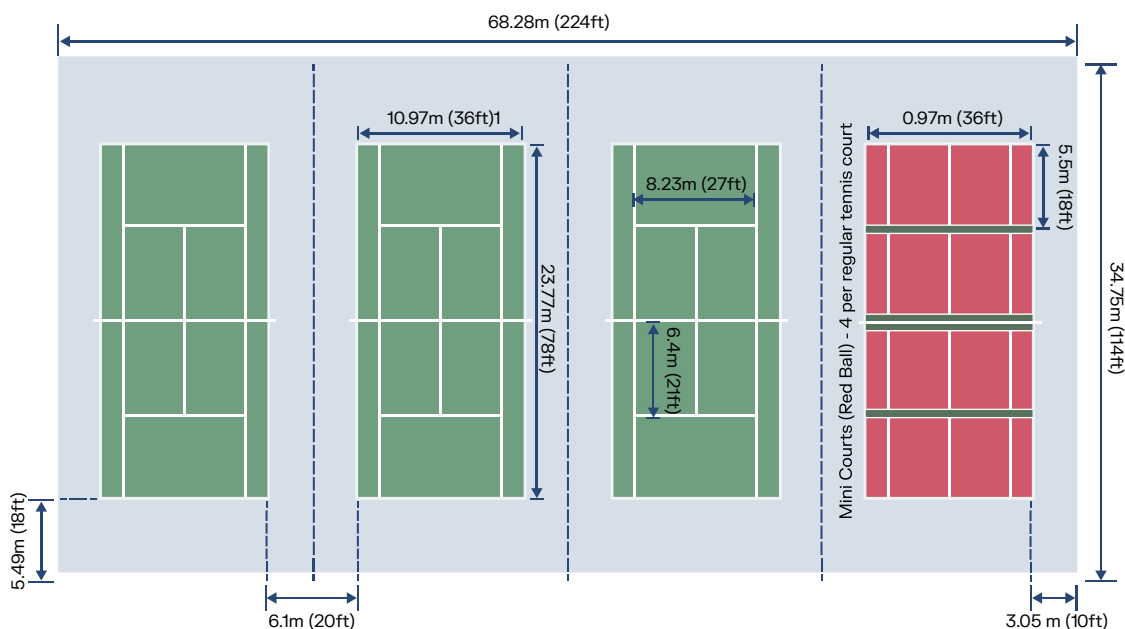


RESOURCE K

Tennis Court Design Standards

COURT LAYOUT AND DESIGN CONSIDERATIONS

Provided below is the typical layout for a four-court tennis facility. The dimensions used to generate the diagram below are based on the International Tennis Federation's recommended measurements for a recreational tennis facility. It is not unusual for recreational tennis facilities in Canada to leave a smaller amount of space between two courts to save additional land. The diagram also provides internationally accepted tennis court dimensions (36x78ft) and dimensions for mini courts (18x36ft) which are used to teach beginner tennis players.



When building a tennis facility, the following items need to be taken into consideration:

Tennis Court Surfaces	Hard (acrylic), clay, Har-Tru, concrete, asphalt
Indoor Lighting	LED, metal halide, high pressure sodium
Equipment	Nets, nets posts, court dividers, back-stop curtains
Considerations for a Seasonal Covered Court Facility	Orientation of Tennis Courts: to ensure the sun is never directly in the eyes of a tennis player, tennis courts for outdoor use must be constructed with a north-south orientation
	Fencing: to contain the ball within the playing area and provide security for players
	Outdoor Lights: Metal halide, high-pressure sodium, fluorescent, and tungsten halogen



DESIGN AND CONSTRUCTION MODELS

Winter tennis requires a covered and heated playing area, which can be a temporary structure installed over outdoor public tennis courts or a permanent building to accommodate courts. There are a number of benefits and drawbacks of both building options. A brief comparative summary of both facility options is presented in the following table.

Construction delays				
Completion delays				
Operation risk				
Maintenance risk				
Obsolescence risk				
Other				
Other				
Other				

Notes:

- ① Rate each risk factor's probably of occurring as high (H), medium (M) or low (L)
- ② Estimate the negative impact to the project as significant (S), moderate (M) or limited (L) if the risk event
- ③ occurs Indicate the estimated proportion of impact (%) that will be absorbed by the municipality
- ④ Indicate the estimated proportion of impact (%) that will be absorbed by the partner

