I = 0.0125 m

\( f = \frac{5}{384} \cdot (q \cdot L^3) \)

**Live Loads:** 5KN/m²

**Dead Loads:** 4KN/m²

**Self Weight:** 3.5KN/m²

This structure is not related with the roof structure, it works as an independent body.

**Grandstand structure** is composed of pre-cast concrete and hollow core slabs PUJOL brand.

**Technical Maintenance**

- Dressing 1
- Dressing 3
- Dressing 4
- Dressing 6
- Dressing 8
- Bar
- Grandstand/Court
- Hall-Reception
- Meeting
- Audiovisual
- Gym 1
- Gym 2
- Safe Outer Place
- Building Exit
- Origin Point

**FIRE SECTORS**

- **Sector 01:** Grandstand and Court / Bar and Public Hall
  - The fire regulations of the walls and ceilings that separate the fire sectors of the technical rooms, changing rooms, and the corridors will be consistent with the code of fire safety, with an EI 120.
  - The gateways will be 2.5 m wide.
- **Sector 02:** Grandstand and Court / Bar and Public Hall
  - The fire regulations of the walls and ceilings that separate the fire sectors will be consistent with the code of fire safety, with an EI 120.
  - The gateways between the sectors will be 2.0 m wide.

**1st LEVEL GRANDSTAND**

- Area: 10m²
- Area: 11m²
- Area: 10m²
- Area: 80m²
- Area: 47m²
- Area: 46m²
- Area: 46m²
- Area: 15m²
- Area: 24m²
- Area: 26m²
- Area: 118m²
- Area: 5120m²

**2nd LEVEL GRANDSTAND**

- Area: 100x100 cm
- Area: 100x100 cm
- Area: 120x120 cm
- Area: 120x120 cm
- Area: 110x110 cm
- Area: 110x110 cm

**VENTILATION AND CONDITIONING**

<table>
<thead>
<tr>
<th>GRANDSTAND</th>
<th>COURT</th>
<th>BAR</th>
<th>PUBLIC HALL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling</td>
<td>Roof</td>
<td>Wall</td>
<td>Ground Floor</td>
</tr>
<tr>
<td>Light</td>
<td>Light</td>
<td>Light</td>
<td>Light</td>
</tr>
<tr>
<td>Ventilation</td>
<td>Heating</td>
<td>Cooling</td>
<td>Air Conditioning</td>
</tr>
</tbody>
</table>

**How the pre-cast system works**

The pre-cast system works as an independent structure.

The technical room will be located on the 1st floor of the structure.