Installation drawing of outer peripheral fence.

The outer peripheral fence is fixed to the flatbed with a screw.

SCALE:1/10

Spot Specifications (column)
Pipe with an inside diameter of 250mm.
(both Cardboard Concrete Form Tubes and PVC Pipes are appropriate)

In case of Cardboard Concrete Form Tubes:
Wall thickness 3–5mm
Outside diameter 256–260mm

In case of PVC tubes (VU):
Wall thickness approximately 8.5mm
Outside diameter approximately 267mm

Other info.
White non-shiny vinyl tape/sticker will cover the outer surface of each pipe.

Spot Specifications (top)
White emulsion paint will be used to coat the top circular board.

Wood(fixed to the platform with screws)
The column is fixed to the wood with screws
(in about 4 places)
1. Game Field Material

<table>
<thead>
<tr>
<th>Material</th>
<th>Color</th>
<th>Color Reference (Product*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start Zone, Loading Area</td>
<td>Dark red</td>
<td>Pantone 188C (Lonleum Plain 3109)</td>
</tr>
<tr>
<td>Start Zone, Loading Area</td>
<td>Dark blue</td>
<td>Pantone 2189C (Lonleum Plain 3612)</td>
</tr>
<tr>
<td>Throwing Area</td>
<td>Pink</td>
<td>Pantone 7612C (Lonleum Plain 3102)</td>
</tr>
<tr>
<td>Throwing Area</td>
<td>Light blue</td>
<td>Pantone 290C (Lonleum Plain 3610)</td>
</tr>
<tr>
<td>No Contact Area</td>
<td>Beige</td>
<td>Pantone 7508C (Lonleum Plain 3407)</td>
</tr>
<tr>
<td>White grid lines</td>
<td>Non-shiny vinyl tape</td>
<td>White</td>
</tr>
<tr>
<td>Fence</td>
<td>Wood</td>
<td></td>
</tr>
<tr>
<td>Spot</td>
<td>Plywood</td>
<td>White</td>
</tr>
<tr>
<td>Spot (column)</td>
<td>see Side View Figure</td>
<td>White</td>
</tr>
</tbody>
</table>

*For color reference only.

Participants and local competition organisers are advised to use vinyl floor sheets available in their country/region, and use above product information as reference only. Lonleum is a product of Lonseal Corporation, available only in select countries.

Note:
- Samples of the vinyl floor sheet used in the Throwing Area will be sent to participating broadcasters in due course. Details will be sent to each broadcaster.
2. Contest-related Articles

The following is information on the articles designated in the ABU Robocon 2017 Tokyo games, and how to purchase them. While as the organisers we have worked to provide a place where the products can be procured as smoothly as possible, participants should take note that the purchase is not mandatory.

2.1 Flying discs

The designated flying disc in the event is Volley® ELE Soft Saucer (Red and Blue)

- Thickness: approx. 3cm
- Weight: approx. 38g
- Diameter: approx. 24cm
- Material: Polyurethane

(Participants should allow for slight individual differences.)

A website will be launched 21 August, 2016 specifically for ABU Robocon participants:

http://www.roboconsaucer.jp
(operated by BorneLund Corporation)

Available on this website will be:

- 1 set = 5 Red discs, 5 blue discs (total 10 discs)
- Price = JPY18,360 (inclusive of tax) + shipping and handling

Credit cards will be accepted.

Note:
- First orders will be limited to one (1) set per team. If you wish to order more than one (1) set, please place a separate order.
- For details on how to order and shipping schedule, participants and local contest organisers should refer to the website.
- The discs used at the ABU Robocon 2017 Tokyo games will be customized with an ABU Robocon Tokyo logo print.
2.2 Beach balls

The designated beach balls in this event are the following seven 16” Beach Ball products, all of which are available on www.beachballs.com

One of each color will be used in a game.

1) 16” Solid Red Beach Ball
2) 16” Solid Pink Beach Ball
3) 16” Solid Silver Beach Ball
4) 16” Solid Green Beach Ball
5) 16” Solid Orange Beach Ball
6) 16” Solid Purple Beach Ball
7) 16” Solid Light Blue Beach Ball

16” Beach Balls page
http://www.beachballs.com/16-inch-beach-balls.asp

The beach balls used will have inflated diameters of approximately 28cm. (Participants should allow for slight individual differences.)
Credit cards are accepted on this website.

Note:
- Beachballs.com ships worldwide. If your country/region is not listed in the dropdown box when you are entering your address for shipping, you can send a request directly through beachballs.com’s contact page.
- Beachballs.com receives new stocks weekly. If the product you are looking for is out of stock, you can register your email address to have them notify you when it comes in.
3. Transporting of the robots

3.1 The organiser shall arrange for the transport of the robots participating in the ABU Asia-Pacific Robot Contest 2017 Tokyo. Details will be given separately to each representing team.

3.2 For ABU Robocon 2017 Tokyo, the robot must fit inside a single box of length 1000mm x width 1600mm x height 1400mm.

Participants should take note in designing and building their robots to accommodate for this box size; its dimensions are smaller than that allowed for the robots during the contest.
The beach balls should have inflated diameters of approximately 28cm.

**Product**  | **Solid Pink** | **Solid Silver** | **Solid Green** | **Solid Orange** | **Solid Purple**
--- | --- | --- | --- | --- | ---
**Contest color** | **PINK (P)** | **SILVER (S)** | **GREEN (G)** | **ORANGE (O)** | **VIOLET (V)**

**Contest Articles**

- **Volley® Soft Saucer (Red, Blue)**
- **Beach Balls (7 colors)**

**White grid lines**