**PRADA Boutique Aoyama**

- **Location**: Minami-aoyama, Minato-ku, Tokyo, Japan
- **Client**: PRADA Japan
- **Design architects**: Herzog & de Meuron
- **Associate architects**: Takenaka Corporation
- **Structural & M/E Engineers**: Takenaka Corporation
- **Contractor**: Takenaka Corporation
- **Program**: Shop, office
- **Site area**: 953.51 m²
- **Building area**: 369.17 m²
- **Total floor area**: 2,860.36 m²
- **Number of floors**: 7 stories above the ground & 2 underground stories
- **Building height**: 32.46 m
- **Main structure**: Steel construction & Reinforced concrete construction

**Structural Concept**

The façade of PRADA Boutique Aoyama, the flagship shop of the brand in Japan, is the diagonal lattice structure integrated with glazing. The façade structure undertakes approximately half of the vertical loads and almost all of the horizontal loads. The whole building is seismically isolated using 14 rubber bearings and 25 sliding bearings in order to minimize earthquake input thus enabling the thin and elegant proportion of the lattice members (H-sections of 250mm x 150mm). The base isolation also contributes to the minimization of the vertical and horizontal deformation of each diamond grid, which in turn enables the use of fire-resistant direct finish and the compact details of the glazing attachment.

**Layout of Seismic Isolators**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Type</th>
<th>Diameter</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>■ LRB</td>
<td>650</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>■ RB</td>
<td>650</td>
<td>4</td>
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</tr>
<tr>
<td>● SSR</td>
<td>450</td>
<td>7</td>
<td></td>
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<tr>
<td>● 300</td>
<td>300</td>
<td>13</td>
<td></td>
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