• Project Overview
• Building Adjacent to Rainier Tower
• Dual-Plate Shear Wall Core
### Rainier Square Tower by the Numbers:

<table>
<thead>
<tr>
<th></th>
<th>SF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>308,000</td>
</tr>
<tr>
<td>Office</td>
<td>722,000</td>
</tr>
<tr>
<td>Retail</td>
<td>79,000</td>
</tr>
<tr>
<td>Parking</td>
<td>391,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,500,000</strong></td>
</tr>
</tbody>
</table>

*Does not include the adjacent 12-story hotel

- 852 feet tall
- 32-month construction schedule
Rainier Square Tower is a part of the Metropolitan Tract, an 11-acre parcel owned by the University of Washington. Due to the fact that the University owns Fifth Avenue and University Street the Rainier Square project is built right to the curb line on those streets.

Interesting Project Facts:

- Second tallest building in Seattle
- First use of dual plate shear wall construction in a high rise application
- First project nationwide to utilize Occupant Evacuation Elevator (OEO) operation
- Highest residential floors in Seattle
- Longest telescoping building maintenance unit (needed for window washing)
- Likely the only building in Seattle that has incorporated snow cleats into the façade
How is the existing tower supported?

New tower

Existing tower
SHORING OPERATION

Soldier Pile and Lagging Shoring Wall

Secant Shoring Wall
WHAT IS IT AND WHY DO IT?
West 8th

28 stories + 5 levels of parking

11 months from mat foundation to last slab on metal deck pour

Rainier Square

59 stories + 7 levels of parking

10 months from mat foundation to last slab on metal deck pour
Day 82

DUAL-PLATE SHEAR WALL CORE

Courtesy Magnusson Klemencic Associates
Day 224

DUAL-PLATE SHEAR WALL CORE
Day 380
CORE LIFT SEQUENCE - 2 TIERS