Building Structures--Prestressed Concrete Buildings

Event/Date: ________________________________ Investigator: _____________________________
Short description of observation: ________________________________ Date of observation: _____________________________

I. Location (please be as detailed as possible)

<table>
<thead>
<tr>
<th>Address</th>
<th>Additional Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>Street (indicate street, road, avenue, lane, etc.)</td>
<td>(room, suite, floor, etc.)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Alternative description or name: ____________________________________________

Map Reference

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
<th>Direction</th>
<th>Thomas Bros. Page No.</th>
</tr>
</thead>
</table>

II. Building Behavior

What type of prestress system is used?
- ☐ Post-tensioned members with grouted tendons
- ☐ Post-tensioned members without grouted tendons
- ☐ Pre-tensioned members
- ☐ Other __________________________

What type of tendions are used:
- ☐ Unknown
- ☐ Bars
- ☐ Wires
- ☐ Strand
- ☐ Cables
- ☐ Other __________________________

What type of anchorage was used?
- ☐ Unknown
- ☐ One-end threaded anchorage
- ☐ Both ends threaded anchorage
- ☐ One-end mechanical fastener
- ☐ Both ends mechanical fastener
- ☐ Other __________________________

How did the anchorage perform?
- ☐ Unknown
- ☐ Poor
- ☐ Fair
- ☐ Good

Where did the failures occur?
- ☐ Unknown
- ☐ Failure of prestressed members
- ☐ Failure of other structural members
- ☐ Failure at joints between prestressed and nonprestressed members
- ☐ Failure at joints between prestressed members
- ☐ Other __________________________

Did cracking occur due to vertical motions?
- ☐ Unknown
- ☐ Yes
- ☐ No

Did cracking occur due to reversals?
- ☐ Unknown
- ☐ Yes
- ☐ No

Are there any failures at the prestressed slab to wall connections?
- ☐ Unknown
- ☐ No failures
- ☐ Slip planes
- ☐ Shear cracking
- ☐ Tension cracking
- ☐ Other __________________________

Did poor design or construction initiate failures?
- ☐ Unknown
- ☐ Yes
- ☐ No

Are there any problems due to poor material quality?
- ☐ Unknown
- ☐ Yes
- ☐ No
II. Building Behavior (cont.)