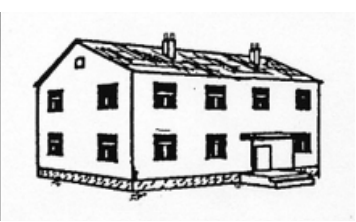
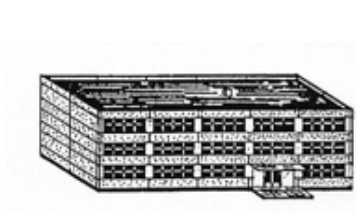

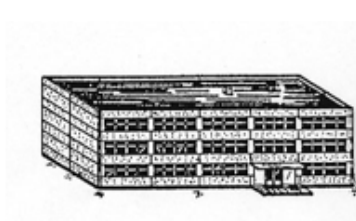

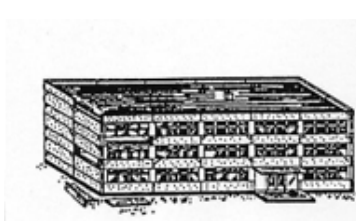

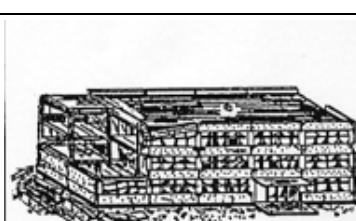




# Building Damage Reference Guide

	<b>Masonry Style Buildings</b>		<b>Reinforced Concrete Style Buildings</b>	
<b>Grade 1</b>	<p>Negligible to slight damage (no structural, slight non-structural damage).</p> <ul style="list-style-type: none"> <li>Hairline cracks in very few walls.</li> <li>Small pieces of fallen plaster.</li> <li>A few loose bricks from upper parts of the building.</li> </ul>			<p>Negligible to slight damage (no structural, slight non-structural damage).</p> <ul style="list-style-type: none"> <li>Fine cracks in plaster over frame members</li> <li>Fine cracks at wall base</li> <li>Fine cracks in partitions</li> </ul>
<b>Grade 2</b>	<p>Minor-Moderate damage (slight structural, moderate non-structural)</p> <ul style="list-style-type: none"> <li>Cracks in many walls</li> <li>Fall of fairly large pieces of facade deco or plaster</li> <li>Many broken windows</li> </ul>			<p>Minor-Moderate damage (slight structural, moderate non-structural)</p> <ul style="list-style-type: none"> <li>Cracks in columns and beams</li> <li>Cracks in structural walls</li> <li>Separation in wall panels</li> </ul>
<b>Grade 3</b>	<p>Substantial Damage</p> <ul style="list-style-type: none"> <li>Large extensive cracks in most walls</li> <li>Long cracks cascading from windows or doors</li> <li>Failures of non-structural elements (ie. awnings)</li> </ul>			<p>Substantial Damage</p> <ul style="list-style-type: none"> <li>Spalling of concrete cover</li> <li>Buckling of rebar</li> <li>Large cracks in walls</li> <li>Noticeable failure in concrete elements</li> </ul>
<b>Grade 4</b>	<p>Very heavy damage</p> <ul style="list-style-type: none"> <li>Failure of walls</li> <li>Partial structure collapse</li> <li>Roof and/or floor failures</li> </ul>			<p>Very heavy damage</p> <ul style="list-style-type: none"> <li>Large cracks in structural walls with compression failure</li> <li>Separation of rebar from concrete</li> <li>Tilting or collapse of a few columns or a single floor</li> </ul>
<b>Grade 5</b>	<p>Destruction</p> <ul style="list-style-type: none"> <li>Total or near total collapse</li> </ul>			<p>Destruction</p> <ul style="list-style-type: none"> <li>Collapse of floors or parts of building</li> </ul>