14-5  **EXAMPLE SEISMIC RETROFIT DETAILS**

Memo to Designers (MTD) 20-4 established the policies, procedures and guidelines used by Caltrans for seismic retrofit. The primary purpose of this Bridge Design Aid is to assist the engineer in implementing those policies and procedures by providing the following example details. However, the engineer is cautioned that these example details are intended for illustration purposes, and significant modification may be required in order to meet the performance standard specified in MTD 20-4.
These details are for example purposes only. Details must be adjusted for specific projects.
EXAMPLE SEISMIC RETROFIT DETAILS
**SECTION A-A**

1. Lap splice at base of column.
2. No top mat of reinforcement, no stirrups.
3. No tension tie from pile to footing.
4. Inadequate confinement/shear reinforcement in column.
5. Lap splice in transverse column reinforcement.