Figure 3.3-1 b Permissible Earthquake Resisting Elements (ERE)

1. Permissible
   Plastic hinges below cap beams including pile bents

2. Permissible
   Above ground / near ground plastic hinges

3. Permissible Upon Approval
   Seismic isolation bearings or bearings designed to accommodate expected seismic displacements with no damage

4. Not Permissible
   Tensile yielding and inelastic compression buckling of ductile concentrically braced frames

5. Permissible Upon Approval
   Piles with 'pinned-head' conditions

6. Permissible
   Capacity-protected pile caps, including caps with battered piles, which behave elastically

7. Permissible
   Pier walls with or without piles.

8. Permissible
   Plastic hinges at base of wall piers in weak direction

9. Permissible Upon Approval
   Passive abutment resistance required as part of ERS Use 70% of passive soil strength designated in Article 5.2.3

10. Permissible
    Spread footings that satisfy the overturning criteria of Article 6.3.4

11. Permissible Upon Approval
    Columns with moment reducing or pinned hinge details

12. Permissible
    Seat abutments whose backwall is designed to fuse

13. Not Permissible – isolation gap is not optional
    Columns with architectural flares – with or without an isolation gap

14. Permissible
    Seat abutments whose backwall is designed to resist the expected impact force in an essentially elastic manner