

- Ultrasound test or Radiation test or both shall be done when evaluating total performance of transverse welding.
- Magnetic particles test or dye penetration test or both shall be done when testing the external surface of the welding or to ensure success of medial welding.

### **3. Inspection**

Periodical maintenance reports (every 5 years) shall be submitted to guarantee the efficacy and safety of the building.

### **4. Structural Efficiency and Durability**

To obtain structural efficiency and durability and to limit local risks due to partial collapse, the buildings shall meet the following parameters:

- Provide structural ties in vertical and horizontal direction.
- Ability to resist minimum level of horizontal forces stipulated by the applicable code.
- Possibility of removing the vertical structural element by redistributing forced to prevent damages or collapse of the building. The resulting deflections in the structural elements shall be within allowable limits when removing the element.
- Design of main elements as per the applicable code indicated in the drawing bellow.

