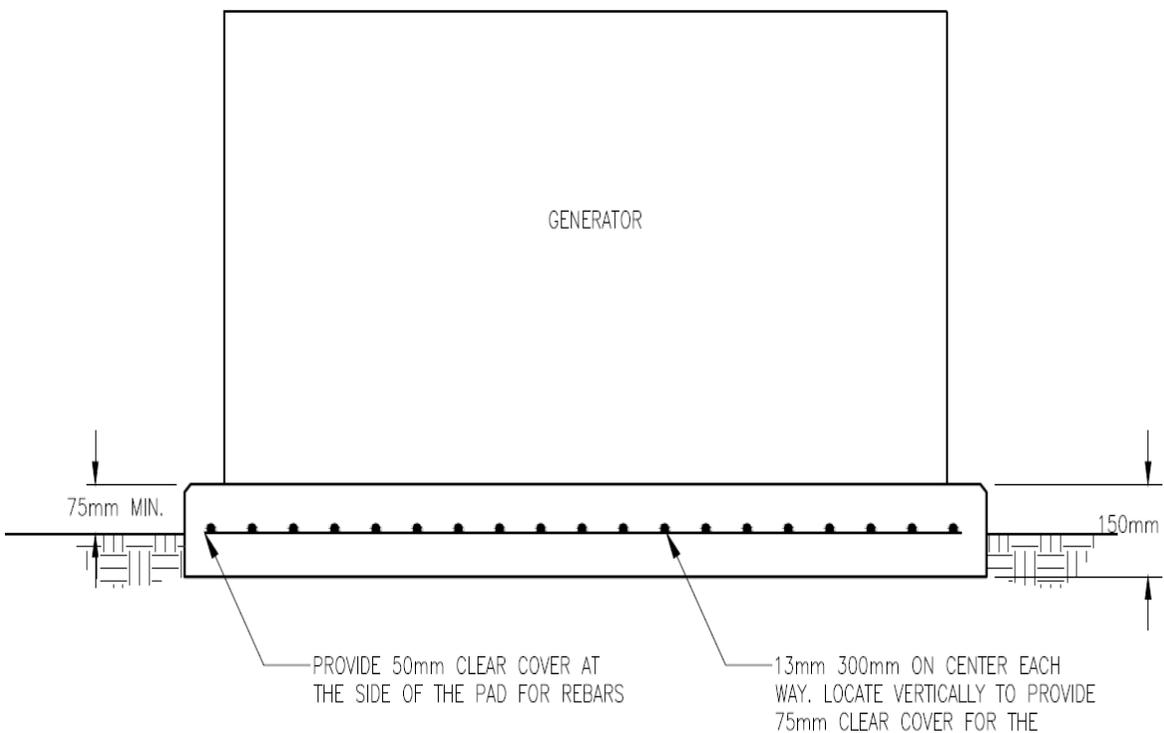
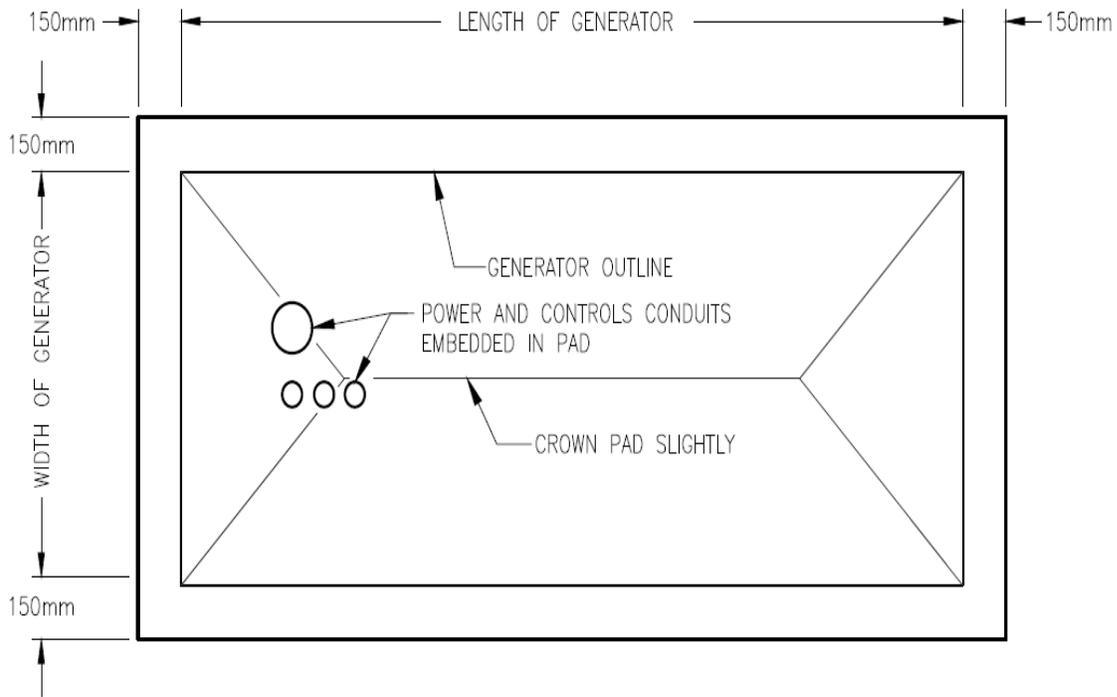


Construction of Pad for the Generator

1. Construction of Generator concrete pad compressed strength of 25MPa and 0.45 Maximum W/C ratios and cementitious materials content.
2. Provide clear distance to outmost reinforcing as follows:
 - I. Concrete cast against and exposed to earth – 75mm
 - II. Concrete exposed to earth or weather – 50mm





3. Reinforcing steel shall be new deformed billet steel conforming to A615/615M grade 420.
4. Soil to be compacted to 95% of original density. Soil shall be treated to provide 100kPa load bearing capacity.
5. Install Generator anchor bolts in accordance with the manufacture's recommendations.
6. Chamfer all exposed edges.
7. For grade cross – slopes, thicken the downhill end of the pad as required to maintain the embedment below grade
8. Provide cable sleeve from the slab penetration to the Generator connection box, provide minimum 150mm slack conductors at each termination to allow for movement in case of seismic or other events.
9. Where conduit blockouts are provided in pad. Locate opening per manufacture's recommendation and center within the width of the pad. The opening shall be
 - (a) No wider than $\frac{1}{3}$ of the pad,
 - (b) No longer than $\frac{1}{2}$ the width of the pad, and
 - (c) The opening shall be no closer to the end of the pad than $\frac{1}{3}$ the width of the pad or 300mm.
10. Provide two 19mm x 3050mm copper clad ground rods 3050mm apart. Bond ground rods together utilizing mechanical ground connectors and 35mmsq bare copper ground conductors. Route ground conductor from ground rod through pad to ground lug on Generator chassis.

