GENERAL:
1. All precast barrier connections require a specific design and approval considering all shape (SD3901), installation (SD3902) and construction (SD3903) requirements.
2. Precast concrete barriers must be connected using a pin and loop connection as shown or an approved alternative that has:
   - Been crash tested to the required test level or
   - Been designed to meet the ultimate transfer outward load specified in AS5036 Table 12.2.2, in shear force.

   Main NLA connections must apply the main NLA design load (i.e., typical pin and loop connection shown is rated to main NLA, higher test level connections require additional engineering).
3. Precast connections should allow for individual units to be removed and replaced.
4. Steel plate anchors must be separated by 70mm or more.
5. The connecting pin must extend 50mm or more below the bottom steel plate anchor. The connecting pin must sit 50mm or more below the top of barrier when fully inserted.
6. Precast connections must be designed in conjunction with the reinforcement to prevent clashes.
7. Precast barrier designs must allow for ease of grouting using a suitable grouting material as specified in clause 610.33 of VICROADS Specification. Pin and loop connections require a leave out area. Typical dimensions are 150mm wide x 50mm deep from top of barrier unit to 50mm below bottom loop.
8. Sealer to be 25mm Megaprene 40 or an approved equivalent.

STEEL WORK:
9. Steel work must be grade 300 and comply with AS/NZS3678 unless noted otherwise. Welding must comply with AS/NZS 1554.1.

REFERENCES AND NOTES:
- All dimensions are in millimeters unless shown otherwise.

DISCLAIMER
- This drawing does not cover performance level barriers which shall be designed to fully comply with the requirements of AS5036 irrespective of these drawings.
- The drawing is not to scale.