

GEP – DRAWINGS

Introductory Notes:

While there are some fairly detailed engineering standards for drawings contents, symbols and other features, much of industry do little, if anything, to retain, register and upgrade or update drawings of even front line products. Our GEP listing is thus again the bare minimum of good practices to ensure some records and maintenance of these very valuable resources and IP (Intellectual Property).

1. Minimum legends are advised to identify the drawing owner draughtsman, date drawn and revision (original is noted as REV – 0).
2. Scale details or as minimum NTS (not to scale) should be noted.
3. Tolerance details are essential for fitting parts.
4. Material details specifications are essential for all parts, gaskets, seals, sight glasses, etc. Chemical compatibility is an equally important prerequisite.
5. As built drawings after build completion are strongly advised.
6. Ensure adequate attention is given to a GA (General Arrangement) as overview to the design, part or machine.
7. Ensure adequate attention is given to an Assembly Drawing to enable easy and correct assembly of the finished item or machine.
8. Ensure adequate attention is given to maintenance requirements including and especially easy access to bearings, couplings, seals and other maintained parts.
9. Maintaining drawing registers in an Excel spreadsheet format is imperative to properly secure drawing records.

All checklists, and other support documents supplied by E4A are supplied as general guidelines only and no warranty or guarantee is intended nor provided. All risks of use reside with the person or organization using these checklists or other documents.