**MBDP Description for SIPOC**

Sales receives a purchase order (PO) from a Customer who wants us to build a prototype for a non-standard bracket. The Customer provides functional requirements, specifications, a sketch, and the desired date for delivery of the prototype. Sales communicates this information to Product Engineering (PE).

PE creates a design specification. The design spec has to be reviewed and approved by the Customer, Quality Engineering (QE), and Manufacturing Engineering (ME).

Based on the approved design spec, Drafting creates an assembly drawing. The drawing has to be reviewed and approved by PE, QE, and ME.

Based on the approved drawing, Proto creates the prototype. The prototype has to be reviewed and approved by the Customer. At this point the MBDP is done.

In some cases the Customer will order production parts based on the prototype. If so, the drawing is released to Manufacturing (MFG).