

GENERAL DYNAMICS

Ordnance and Tactical Systems

Weapons Systems Supplier Quality Requirements Site 21-Quality – Williston VT / Saco ME

Quality Clause	Revision	Phase In Date
Q88	0	04/02/2019

Q88–Rapid Prototype Castings

Requirements

If produced by rapid prototype modeling/tooling, the supplier shall perform a complete layout and include the casting characteristics list (CCL) dimensions (provided by General Dynamics) as part of the appraisal criteria. Actual readings shall be submitted on the first lot. Actual readings shall be submitted whenever changes occur in the method or supplier producing the model from which the molds/patterns/castings are made. The complete layout requirement may be met by performing a modified complete layout when approved by Quality Engineering, otherwise a complete layout shall be performed. Parts shall be marked with the heat/melt number or a lot number that is traceable to the heat/melt number to ensure material and special process traceability. If the material is heat treated, the heat treat lot number shall appear on the packing slip for each shipment. When no heat treatment is required, a lot number shall be assigned that identifies the test samples with the material. Permanently mark each casting with an identification traceable to the dimensional layout. Marking to be in the area of the part number.