

Procedure: Final Review

1. PURPOSE AND SCOPE

- 1.1. The purpose of this procedure is to complete a final design review of an engineering project.
- 1.2. The scope of this procedure is review the design documents for release to manufacturing to confirm they meet the customer provided description, approved drawing, and design criteria.
- 1.3. The Engineering Director is responsible for implementation and management of this procedure.

2. REVISION AND APPROVAL

Rev.	Date	Nature of Changes	Approved By
N	6/5/2018	Original issue.	Eicher

3. DEFINITIONS

- 3.1. BOM: Bill of Material
- 3.2. BTH: Below-the-hook

4. PROCEDURE

Final review must meet the following requirements:

- 4.1. Meet all details of the description of the order
- 4.2. Calculations for the following are met:

Beam size	Pin size	Hook size
Shackle size	Material size and type	Bail size
Hole tear-outs		
References, if matching or downsizing an existing BTH design, some or all of the above may be covered by the reference details.		

- 4.3. Nameplate accuracy
- 4.4. BTH stamp and rating, if applicable
- 4.5. Coating or special paint notes
- 4.6. Special stenciling notes
- 4.7. BOM
 - 4.7.1. Sizes matching the critical components

4.8. Critical dimensions

Overall L, W, H	Throat	Headroom
Clearances	Hook sizes	Min & Max on variables
Handle sizes	Attachment details	All options
Customer's device to be lifted, if provided, and confirm fit-up		

4.9. Weld symbols

4.9.1. Accuracy of size and shape of critical welds

4.10. Critical electrical specifications (if applicable)

4.10.1. Power input

4.10.2. Connection type

4.10.3. Controls