

Standard Operating Procedure Quality Control Examination for Semiconductor Material	SOP No. 7.003
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- 1 Purpose
 - 1.1 To establish a standard procedure for examining materials before installation.
- 2 Scope
 - 2.1 This procedure applies to all incoming piping material requiring a quality control examination before use. Ensure that the material meets the acceptance criteria.
 - 2.2 All material is to meet the project specifications as outlined in Form FN 7.002.2 (Acceptance Criteria).
- 3 Responsibility
 - 3.1 The Therma Quality Control Examiner (QCE) performs the following procedures.
 - 3.2 The Therma general foreman and receiving clerk coordinates with the QCE when material has been received and is ready for examination.
- 4 Procedures
 - 4.1 Ensure that the material is being stored in the "quarantine" storage areas.
 - 4.2 Obtain a copy of the material test reports (MTRs) for the materials being inspected.
 - 4.3 Perform a visual examination and verify that the materials have not been damaged in freight and has been adequately protected from contamination.
 - 4.4 Review project specifications form FN 7.002.2 (Specification Acceptance Criteria) for the material to be examined, for that particular job.
 - 4.5 Examine the material as per FN 7.002.3 (QC Examination Definitions) for the following criteria:

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4.5.1 PO number

4.5.2 Heat number

4.5.3 Surface finish

4.5.4 Ovality

4.5.5 Wall Thickness

4.5.6 Metallurgical content

4.6 Log the examination results on Form FN 7.002.1 (Material Examination Log).

4.7 If the material passes the examination, approve it for use.

4.8 If the material is rejected for use, place the material in the rejected area.

4.9 Notify the prefab foreman of the results.

4.10 Make a copy of the Material Examination Log (MEL) and attach with MTRs. File the copies in the job binder.

4.11 File the original MEL in Quality Assurance's MEL Binder (QA Master Binder).

5 Review and Approval

5.1 No approval is necessary.

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Document Approval

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3/06/12
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