

**TOPICAL QUALITY ASSURANCE REPORT****TQR 8.0****IDENTIFICATION AND CONTROL
OF MATERIALS, PARTS
AND COMPONENTS**

Rev. 3 Draft A

Date 10/09/96

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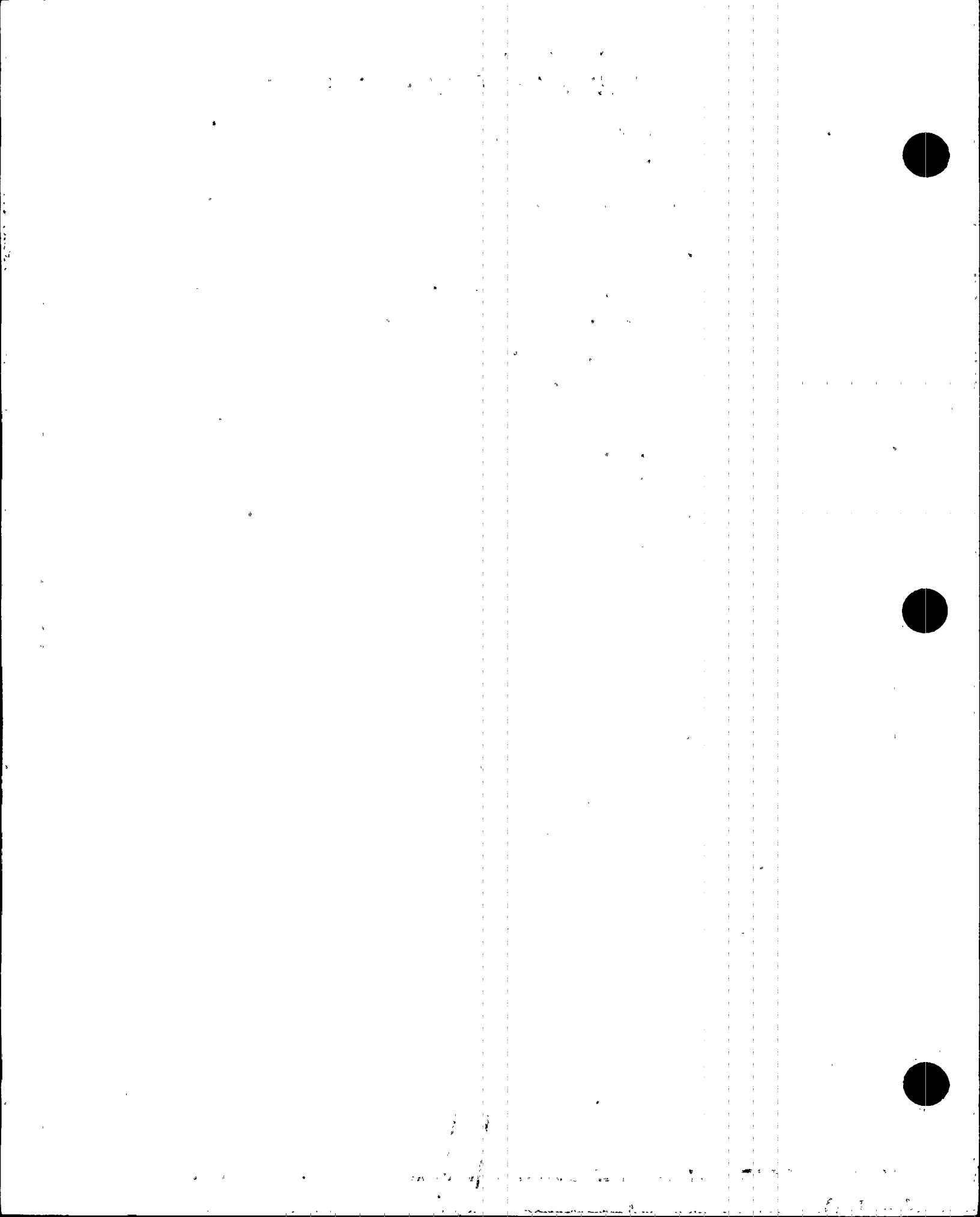
8.1 GENERAL REQUIREMENTS

Materials, parts, and components, including partially fabricated assemblies, shall be identified and controlled as required throughout fabrication, receipt, handling, storage, installation, and use of the item. The identification of the item shall be maintained by heat number, part number, serial number, ~~FPL-M&S-number~~ assigned traceability number, or other suitable means, and shall be physically marked on the item or on records traceable to the item. The object of these controls shall be to prevent the use of non-inspected, incorrect or defective materials, parts, and components. ~~(The FPL Material and Supplies—M&S number is a number given to each unique type of item in inventory to distinguish it from each other type of item in inventory).~~

8.2 IMPLEMENTATION

Quality Instructions shall establish the responsibilities and requirements for the identification, and control of materials, parts and components. The procedures and instructions used by all organizations shall assure that identification and control is maintained throughout fabrication, receipt, handling, storage, installation and use of items. This shall include welding material traceability to the point of consumption. Provisions include:

- a. Physical identification shall be used to the maximum extent possible. When physical identification is impractical or insufficient, items shall be physically segregated and identified by batch, lots, etc.;
- b. When items are subdivided, their identification shall be maintained by transferring the identification to each of the subdivided parts or their container;
- c. Post-installation identification of items that cannot feasibly be physically marked shall be traceable by record verification;
- d. Items requiring identification, but whose identification was lost during storage, shall be segregated and documented as nonconforming and dispositioned in accordance with established procedures;



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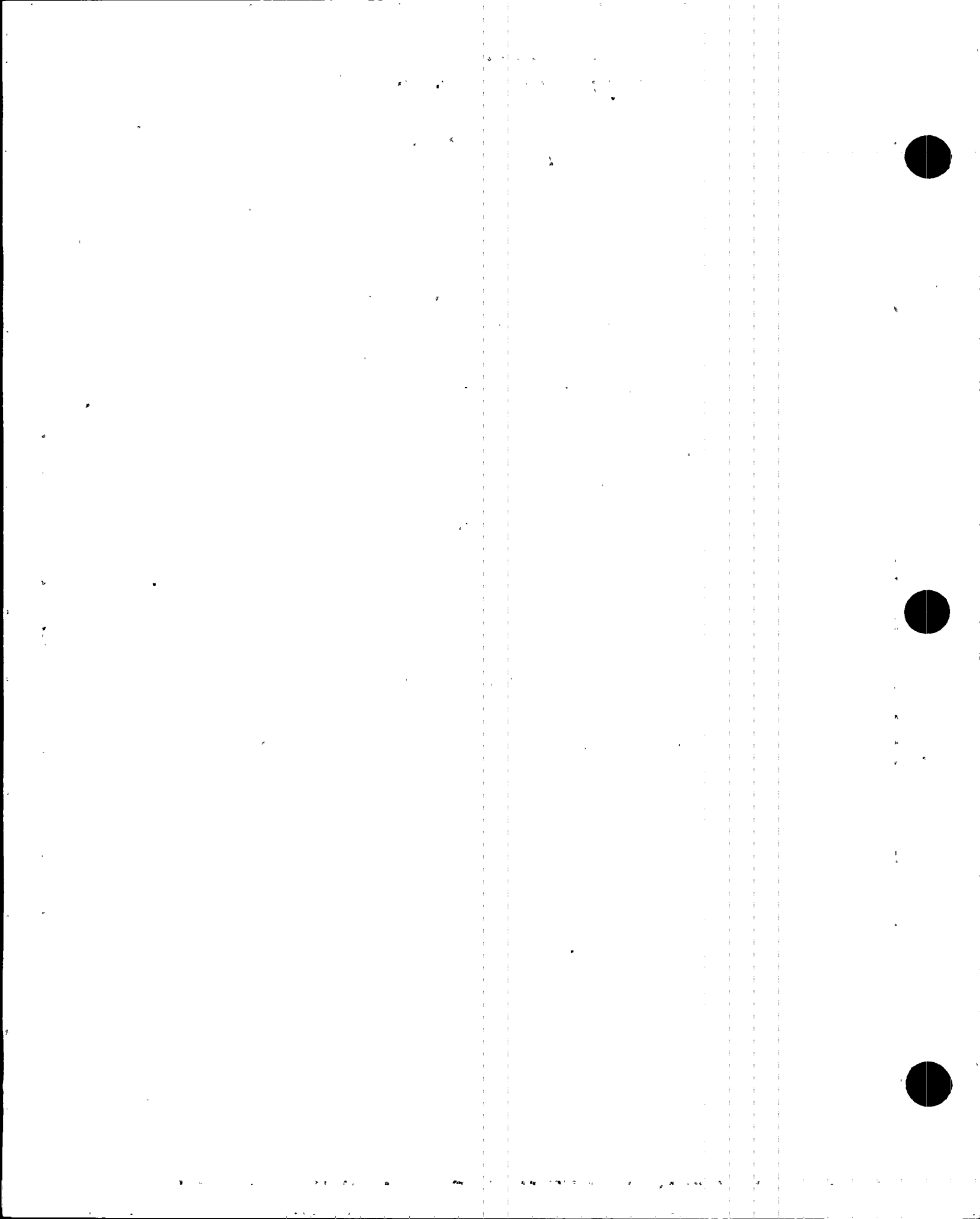
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- e. Requirements for traceability to appropriate documentation, such as: procurement documents, manufacturing documents, drawings, specifications, inspection and test records, nonconformance or deficiency reports or other Quality Assurance Records, in sufficient detail to preclude any possibility of doubt or confusion concerning the traceability of an item to the documentation, or the documentation of to the item;
- f. Controls to assure that the correct identification of an item is verified and documented prior to fabrication, receipt, handling, storage, installation and use;
- g. Requirements which assure that the method or location of markings are not detrimental to, and do not affect the function or quality of an item; are clear, unambiguous and indelible; are in plain unobstructed view; do not provide conflicts with other requirements; are not obliterated by any surface treatment unless other means of identification are substituted; withstand normal shipping, handling and environmental effects and are able to be retained;
- h. Establishment of identification requirements by specifications, drawings, procurement documents, instructions or procedures during initial planning;
- i. Requirements to ensure that dedicated Commercial Grade Items are identifiable to the specific component or equipment for which they are dedicated.

FPL may delegate any portion of the implementation of the identification and control program to the Architect/Engineer, Constructor, Nuclear Steam Supply System vendor or other contractors. If delegated, contracts shall require that the contractor establish an identification and control program which meets the requirements of this TQR.



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8.3 RESPONSIBILITIES

8.3.1 The Site Vice President has overall responsibility for:

- a. Assuring that an identification and control system is developed and implemented for items to be utilized within the plant;
- b. Receiving, controlling and ensuring the security of items;
- c. Segregating items until the required receipt inspection is performed;
- d. Assuring the placement of any necessary markings on the items as required by applicable procedures or as requested in accordance with applicable purchase orders, specifications or commercial grade dedication packages; and
- e. Incorporating applicable pre-installation and/or post-installation inspections, tests, and QC hold points (including Commercial Grade Item Dedication requirements) into applicable work control documents.

8.3.2 The Vice President Nuclear Engineering and ~~Licensing~~ has overall responsibility for:

- a. Determining and specifying end use applications for items.

