



National Aeronautics and  
Space Administration

<p><b>MEASUREMENT SYSTEM IDENTIFICATION</b></p>
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MSFC-STD-373  
REVISION A  
EFFECTIVE DATE: August 4, 2005

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**George C. Marshall Space Flight Center**  
Marshall Space Flight Center, Alabama 35812

EI42

**MULTIPROGRAM/PROJECT COMMON-USE  
DOCUMENT**

**LETTERING OF ELECTRICAL  
EQUIPMENT**

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<b>Multiprogram/Project Common-Use Document EI42</b>		
<b>Title: LETTERING OF ELECTRICAL EQUIPMENT</b>	<b>Document No.: MSFC-STD-373</b>	<b>Revision: A</b>
	<b>Effective Date: 8/04/2005</b>	<b>Page 2 of 6</b>

**DOCUMENT HISTORY LOG**

Status (Baseline/ Revision/ Canceled)	Document Revision	Effective Date	Description
BASELINE	A	8/04/2005	

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CONTENTS

<u>PARAGRAPH</u>	<u>PAGE</u>
<u>DOCUMENT HISTORY LOG</u> .....	2
1. <u>SCOPE</u> .....	4
2. <u>APPLICABLE DOCUMENTS</u> .....	4
3. <u>DEFINITIONS</u> .....	4
4. <u>GENERAL REQUIREMENTS</u> .....	4
5. <u>DETAILED REQUIREMENTS</u> .....	4
6. <u>NOTES</u> .....	5
 <u>FIGURE</u>	
1. Letter Style and Sizes .....	6

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	<b>Effective Date: 8/04/2005</b>	<b>Page 4 of 6</b>

## 1. SCOPE

1.1 This standard establishes the criteria for lettering of electrical equipment.

## 2. APPLICABLE DOCUMENTS

2.1 Not applicable.

## 3. DEFINITIONS

3.1 For the purpose of this standard, the following definitions of terms shall apply:

- a. Straight line characters. – Characters containing no loops (examples: E, H, I, M, N, X, Z.)
- b. Character lines. – The individual marks forming the character.
- c. Character line width. – The width of individual marks forming the character.

## 4. GENERAL REQUIREMENTS

4.1 Workmanship. – When lettering as specified herein is applied, the finished product shall display a professional appearance and shall be free from ragged edges, unbalanced characters, or closed characters.

## 5. DETAILED REQUIREMENTS

5.1 Character style. – All characters shall be Gothic in style and in accordance with figure 1. Roman numerals and lower case letters shall be limited to special applications.

5.2 Character spacing. – For a single word or similar group of characters, the spacing between straight line characters shall range between 1/12 minimum and 1/4 maximum of the character height. All other characters shall be visually balanced.

5.3 Character line width. – The character line width shall be between 1/6 to 1/8 of the character height, except for 0.500-inch characters, which shall range between 1/10 to 1/12 of the character height.

5.4 Tolerance. – The tolerances for two place decimal dimensions shall be plus or minus 0.03 inch and for three place decimal dimensions shall be plus or minus 0.010 inch.

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	<b>Effective Date: 8/04/2005</b>	<b>Page 5 of 6</b>

5.5 Word spacing. – The spacing between words shall range between 5/8 to 3/4 of the letter height, depending on the characters being separated.

5.6 Colors. – Unless otherwise specified, the lettering shall be black.

5.7 Dimensions. – For the purpose of this standard, the dimensions shall be in decimals. Dimensions apply from outside to outside of character, not to centerline.

## 6. NOTES

When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility for any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any matter licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

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	<b>Effective Date: 8/04/2005</b>	<b>Page 6 of 6</b>

ABCDEFGHIJKLMNOPQRSTUVWXYZ      abcdefghijklmnopqrstuvwxyz  
 1234567890  
 This is a sample of 0.109 lettering.

ABCDEFGHIJKLMNOPQRSTUVWXYZ      abcdefghijklmnopqrstuvwxyz  
 1234567890  
 This is a sample of 0.125 lettering.

ABCDEFGHIJKLMNOPQRSTUVWXYZ      abcdefghijklmnopqrstuv  
 1234567890  
 This is a sample of 0.156 lettering.

ABCDEFGHIJKLMNOPQRS      abcdefghijklmnopqrs  
 1234567890  
 This is a sample of 0.188 lettering.

ABCDEFGHIJKLMN      abcdefghijklmn  
 1234567890  
 This is a sample of 0.250 lettering.

ABCDEFG      abcdefg  
 12345678  
 This is a sample of 0.500 lettering.

Figure 1. Letter style and sizes.

# MSFC DOCUMENTATION REPOSITORY - DOCUMENT INPUT RECORD

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## V. ORIGINATING ORGANIZATION APPROVAL

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