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Plum Brook Station Reference

Electrical Power

Approved by Plum Brook Management Office/7030:

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Cleveland, OH 44135

Glenn Research Center Plum Brook Station Reference	Title: Electrical Power	

1.0 INTRODUCTION

This document outlines reference material which may be used in the electrical design of a system for testing at Plum Brook Station.

1.1 Purpose

To provide a starting point for the electrical and instrumentation & control engineering staff as well as engineers from other disciplines to undertake electrical design work in conjunction with system testing.

1.2 Scope

This document applies to all electrical designs by the engineering staff on Plum Brook Station.

2.0 REFERENCES

2.1 Applicable Documents

Item	Document Title
1	Standard Handbook for Electrical Engineers, Fink & Beaty, published by McGraw-Hill
2	Handbook of Electrical Power Calculations, Arthur Seidman, H. Wayne Beaty, Haroun Mahrous, published by McGraw-Hill
3	Practices & Procedures of Industrial Electrical Design, Lionel B. Roe, published by McGraw-Hill
4	IEEE Recommended Practice for Electrical Power distribution for Industrial Plants, IEEE Red Book 141-1993
5	IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems, IEEE Green Book 141-1991
6	IEEE Recommended Practice for Protection and Coordination of Industrial and Commercial Power Systems, IEEE Buff Book 242-1986
7	IEEE Recommended Practice for Emergency and Standby Power Systems for Industrial and Commercial Applications, IEEE Orange Book 455-1995
8	IEEE Recommended Practice for Applying Low-Voltage Circuit Breakers used in Industrial and Commercial Power System., IEEE Blue Book 1015-1997
9	IEEE Recommended Practice for Powering and Grounding Sensitive Electronic Equipment, IEEE Emerald Book 100-1992
10	National Electrical Code Handbook, NFPA (Current edition for 1996, is updated every 3 years)

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