

Western Michigan University
Facilities Management – Engineering Division

DESIGN GUIDELINE: DG26-00 Electrical Naming Conventions

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1. GENERAL REQUIREMENTS

The following are naming conventions for electrical distribution equipment on the Western Michigan University Campus. This guideline shall be followed by all personal that provide or perform work for the University. Deviations shall require approval in writing by the Facilities Management – Engineering Division.

2. NAMING CONVENTION

The intent of the naming convention of electrical distribution equipment is to give each piece of equipment a unique name that can give information as to the feed for that equipment. Labels on equipment need only identify the equipment and where it is fed from.

2.1 Substation Names

Building or Location number - Substation title, floor location, Substation single letter identifier.

040-Sub1A

2.2 Distribution Panel Names

Panel feed - Panel type designation, Emergency feed designation (if applicable) - floor location, Single letter identifier.

Sub1A_DPE1A

2.3 Panel board Names

Panel Feed - Panel type designation - floor location, two letter panel identifier.

DP1G_RP_3BC

2.4 Circuit Numbers

Circuit numbers shall correspond to the panel board position they are connected to and identify the panel they are fed from.

RP-3AA-14 indicates panel RP_3AA circuit position 14.

2.5 Automatic Transfer Switches

Primary power source / Secondary power source – ATS – floor location, single letter switch identifier.

DP1D/DPEBA-ATS-1B, DP1D/DPNBC-ATS-1D

2.6 Motor Control Centers

Power Feed - MCC – floor location, single letter identifier.

Sub1B-MCC-1D

2.7 Generators

Building location – Generator identifier, single letter identifier.

054-GB

2.8 Disconnects

Panel feed – Disconnect identifier, floor location, two letter identifier.

DP2C-DC3AC

2.9 Variable Frequency Drives

Panel feed – Variable Frequency Drive identification, floor location, two letter identifier.

DP2C-VFD2CC

2.10 Contactors

Panel Feed – Contactor identification, floor location, two letter identifier.

DP2C-C3DA

DRAFT – FOR COMMENT

2.11 Transformers

Panel Feed – Transformer, Emergency designation, Floor location, single letter identifier.

DPE2C-TE2D

3. EXAMPLES

Panel Name:	Explanation:	Comments:
DPE1A-LPE-3AA-10	Circuit 10 in the 3 rd floor emergency lighting panel AA fed from emergency distribution panel A on the 1 st floor.	
Sub1A-DP1C	Distribution panel C on the 1 st floor fed from Substation A on the first floor.	
DP1D/DPEBA-ATS-1B	Automatic Transfer Switch B, located on the 1 st floor, normal, normal power fed from Distribution Panel D on the 1 st floor and from Emergency Distribution Panel A in the basement.	
054-GB	Generator B located at building 054.	
DP2C-DC3AC	Disconnect AC, located on the 3 rd floor, and fed from Distribution Panel C on the 2 nd floor.	
DPE2C-TE2D	Emergency Transformer D on the 2 nd floor, fed from Emergency Distribution Panel C on the 2 nd floor.	

4. ABBRIVATIONS

Equipment Types	Panel Types	Special Panel Designations
ATS – Automatic Transfer Switches	LP – Lighting Panels	E – Emergency and Life Safety fed from a Generator.
MCC – Motor Control Centers	PP – Power Panels	X – Emergency and life safety fed from a tap ahead of the Main
G – Generator	RP – Receptacle Panels	N – Non emergency loads, fed from a generator.
VFD – Variable Frequency Drive	DP – Distribution Panels	
S – Starter	T – Transformers	
C – Contactor		
DC – Disconnect		

End of Design Guideline