## Battery Calculations

<table>
<thead>
<tr>
<th>Battery Type</th>
<th>Nominal Voltage</th>
<th>Capacity (Ah)</th>
<th>CCA (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 1</td>
<td>12V</td>
<td>800</td>
<td>700</td>
</tr>
<tr>
<td>Type 2</td>
<td>12V</td>
<td>600</td>
<td>500</td>
</tr>
<tr>
<td>Type 3</td>
<td>12V</td>
<td>400</td>
<td>300</td>
</tr>
</tbody>
</table>

### Notation and Definitions

- **CCA**: Cold Cranking Amps
- **Ah**: Ampere-hours

### Notes

- **Group A**: Battery Group A should have a capacity of at least 500Ah.
- **Group B**: Battery Group B should have a capacity of at least 400Ah.
- **Group C**: Battery Group C should have a capacity of at least 300Ah.

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## Notification Appliance Circuit Voltage Drop & Power Requirements

### Notation and Definitions

- **VOL**: Voltage Loss
- **POW**: Power Consumption

### Calculations

1. **Vol Drop Calculation**
   
   - **Formula**: 
     
     \[
     \text{Vol Drop} = \frac{\text{Power Consumption}}{\text{Current}} 
     \]

2. **Power Consumption**
   
   - **Formula**: 
     
     \[
     \text{Power Consumption} = \text{Voltage} \times \text{Current} 
     \]

### Notes

- **Group A**: Circuit Group A should have a maximum voltage drop of 5V.
- **Group B**: Circuit Group B should have a maximum voltage drop of 10V.
- **Group C**: Circuit Group C should have a maximum voltage drop of 15V.

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### As Built

- **Date**: 09/16/13

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### Sample Text

- **Function Chart & Calculations**
- **.facilities_division**
- **49810057**