PROPOSED ELECTRICAL STANDARDS

I. COMPONENTS:

A. Wire

1. Track Power: #18 or larger
2. Switch Machine Power: #18 or larger
3. Intercom: Standard intercom cable
4. Signal & Panel Indicator Lights: #22 solid
5. Ground Wires (track power & switch machine): open, braided grounding cable

B. Switch Machines

Rotary and/or twin-coil machines as better suits the purposes of circuitry and availability.

C. Controls

1. Rotary switches for track power and turnout control
2. Push-button switches where desirable for yard ladders and roundhouse controls
3. Relays: IBM wire-contact where adequate; guardian type 200 series for heavy duty applications
4. Transistors Detection: 2N455 or better if Twin-T detection is used

D. Lights

1. Indicator: 18 volt grain-of-wheat and/or 18 volt bayonet type

2.

II. THROTTLE CONTROLS:

A. Mainline

B. Yard & Roundhouse

C. Interurban

III. SYSTEMS:

A. Mainline

1. Selective block control with common ground provided by each cab

2. Automatic reversing in all reversing blocks with provision for manual override

A. Mainline continued:

3. Twin-T detection system

(a. Signals
(
(b. Block Occupancy

c. Automatic Reversing

d. Automatic Emergency Braking

4. Power routing through turnouts - means of contact

B. Yards - Freight

C. Yards - Passenger

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D. Lights

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2.

II. THROTTLE CONTROLS:

A. Mainline

B. Yard & Roundhouse

C. Interurban

D. Narrow Gauge

III. SYSTEMS:

A. Mainline

1. Selective block control with common ground provided by each cab

2. Automatic reversing in all reversing blocks with provision for manual override

A. Mainline continued:

3. Twin-T detection system

(a. Signals
(
(b. Block Occupancy

c. Automatic Reversing

d. Automatic Emergency Braking

4. Power routing through turnouts - means of contact

B. Yards - Freight

C. Yards - Passenger

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A. Mainline

B. Yard & Roundhouse

C. Interurban

III. SYSTEMS:

A. Mainline

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