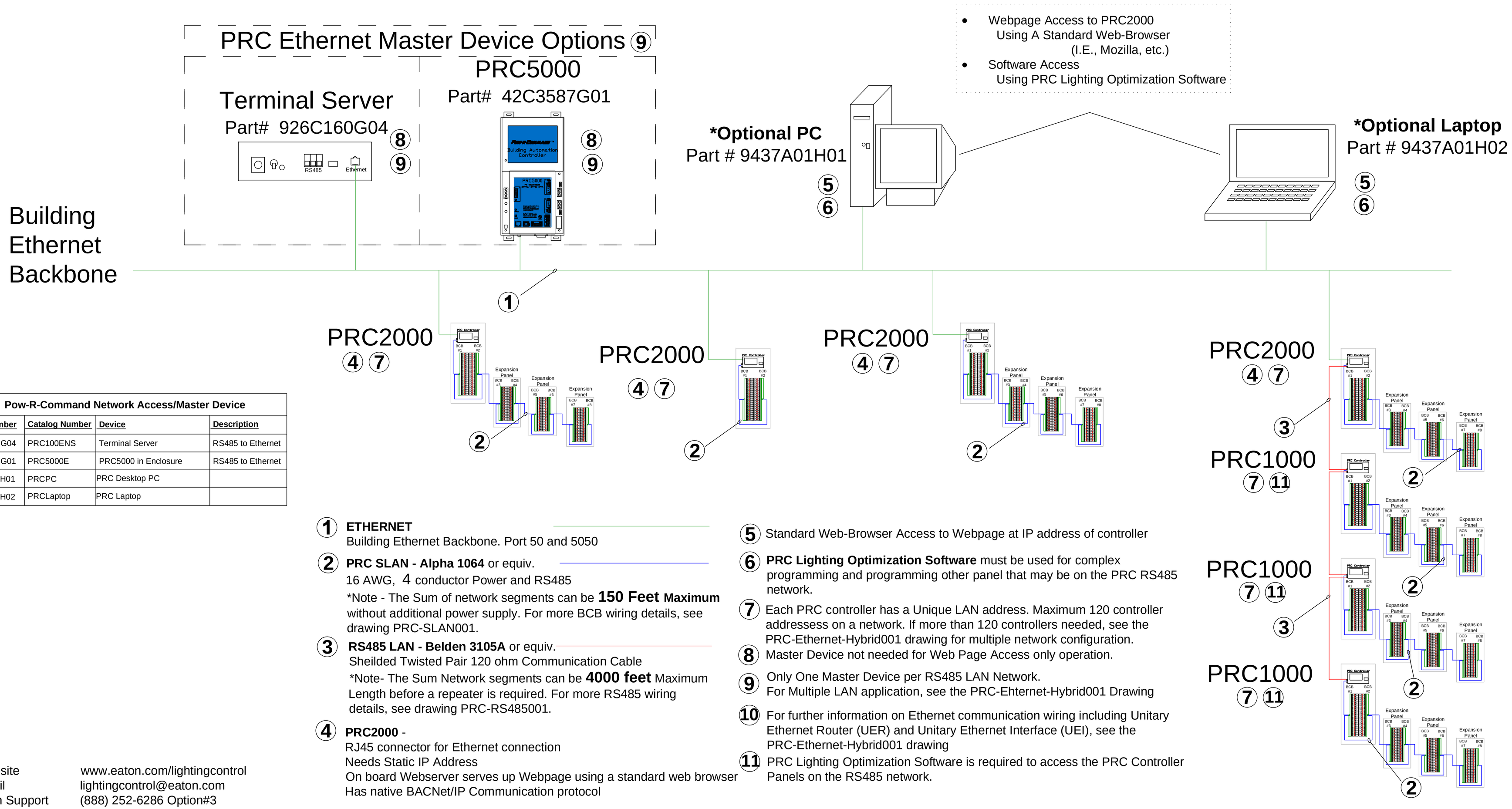
Typical PRC Ethernet Connection



Pow-R-Command Network Access/Master Device			
Part Number	**Catalog Number**	**Device**	**Description**
926C160G04	PRC100ENS	Terminal Server	RS485 to Ethernet
42C3587G01	PRC5000E	PRC5000 in Enclosure	RS485 to Ethernet
9437A01H01	PRCPC	PRC Desktop PC	
9437A01H02	PRCLaptop	PRC Laptop	

1 **ETHERNET**
Building Ethernet Backbone. Port 50 and 5050

2 **PRC SLAN - Alpha 1064** or equiv.
16 AWG, 4 conductor Power and RS485
*Note - The Sum of network segments can be **150 Feet Maximum** without additional power supply. For more BCB wiring details, see drawing PRC-SLAN001.

3 **RS485 LAN - Belden 3105A** or equiv.
Sheilded Twisted Pair 120 ohm Communication Cable
*Note- The Sum Network segments can be **4000 feet** Maximum Length before a repeater is required. For more RS485 wiring details, see drawing PRC-RS485001.

4 **PRC2000** -
RJ45 connector for Ethernet connection
Needs Static IP Address
On board Webserver serves up Webpage using a standard web browser
Has native BACNet/IP Communication protocol

5 Standard Web-Browser Access to Webpage at IP address of controller

6 **PRC Lighting Optimization Software** must be used for complex programming and programming other panel that may be on the PRC RS485 network.

7 Each PRC controller has a Unique LAN address. Maximum 120 controller addressess on a network. If more than 120 controllers needed, see the PRC-Ethernet-Hybrid001 drawing for multiple network configuration.

8 Master Device not needed for Web Page Access only operation.

9 Only One Master Device per RS485 LAN Network.
For Multiple LAN application, see the PRC-Ehternet-Hybrid001 Drawing

10 For further information on Ethernet communication wiring including Unitary Ethernet Router (UER) and Unitary Ethernet Interface (UEI), see the PRC-Ethernet-Hybrid001 drawing

11 PRC Lighting Optimization Software is required to access the PRC Controller Panels on the RS485 network.

Website www.eaton.com/lightingcontrol
Email lightingcontrol@eaton.com
Tech Support (888) 252-6286 Option#3

REVISION 0

Design Sketch
The information on this uncontrolled document is a reflection of design selections in a Configuration System. It may not be accurate for construction purposes.

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DFTR BER	DATE 04/10/12	EATON	
APPD	DATE	TITLE Pow-R-Command Ethernet Network	
S.O.		TYPE	Wiring
FEDERAL ID NO. 88725	PRODUCT CODE LCBM	REVISION	G.O.
DWG PRC-ETHERNET001	SHEET 1 OF 1		