



CI-0704

TAB 7: TECHNICAL DISCIPLINES
Communications

BUS MAINTENANCE FACILITIES

ELECTRICAL CONNECTIVITY AND WIRING

General

Wiring and circuit protection will be sized to suit the total wattage on circuit, to address potential voltage drops, and de-rating requirements for multiple circuits run in the same conduit. The following table provides an estimate of the maximum wattage that each device requires.

Table 1 shows power requirements for each device.

Device	Watts
SPOS (Station Point of Sale)	200
SFTP (Station Fare Transaction Processor)	35
CQD (Card Query Device)	35
HCR (Handheld Card Reader) Cradles	120

Table 1: Power Requirements

Communications Room

In the Communications Room, the required receptacles each fed from dedicated power circuits from a local non UPS (generator backed up), shall be provided at each CC Rack.

The types of receptacles required at the different locations are as follows:

Main CC rack for Bus WLAN Solution – One (1) dedicated NEMA L6-20R (208, 20A) mounted on cable tray fed from One (1) 20 A breaker, providing an extension cord from locked receptacle to reach bottom of CC rack. The extension cord shall include one (1) NEMA L6-20P at top end to plug into twist lock receptacle and one (1) L6-20R at bottom of CC rack (for plugging PRESTO UPS supplied by PRESTO supplier) and One (1) dedicated NEMA L5-30R (120, 30A) mounted on cable tray fed from one (1) 30A breaker, providing an extension cord from locked receptacle to reach bottom of CC rack. The extension cord shall include one (1) NEMA L5-30P at top end to plug into twist lock receptacle and one (1) L5-30R at bottom of CC rack (for plugging PRESTO UPS supplied by PRESTO supplier).

Main CC rack when Transit Safety is included – In addition to Bus WLAN solution above, One (1) dedicated NEMA L6-20R (208V, 20A) mounted on cable tray fed from One (1) 20A breaker on different circuit, providing an extension cord from the locked receptacle to reach bottom of CC Rack. The extension cord shall include one (1) NEMA L6-20P at top end of cord to plug into twist lock receptacle and an L6-20R at bottom of CC rack for plugging PRESTO UPS supplied by PRESTO supplier).