

SECTION 11 12 16
PARKING TICKET DISPENSERS
Design Standard

PART 1 GENERAL

1.1 PURPOSE

The purpose of this design standard is to ensure consistency in the provision of parking ticket dispensers throughout all of our campuses districtwide.

PART 2 PRODUCT

2.1 PARKING TICKET DISPENSER LOCATIONS

- A. Parking ticket dispensers should be installed at strategic locations in the parking lots around each campus, for the convenience of students and visitors.
- B. Design professionals shall inquire with the project manager as to whether parking ticket dispensers are desired on the campus, as well as quantities and locations.
- C. Parking ticket dispensers should be accessible without detracting passageway for vehicles entering and exiting the campus parking lots.

2.2 PARKING TICKET DISPENSERS

- A. Flowbird (formerly known as Parkeon) parking ticket dispensers have been the most consistently used machine across the District and continue to be in use where already existing.
- B. For new installations or replacing existing, the Flowbird Group Solar Parkeon Strada Evolution-2 Monochrome BNA Charcoal Stock Color model must be used.
- C. Flowbird Group Solar Parkeon Strada Evolution-2 Monochrome BNA Charcoal Stock Color
 - 1. General Design – Anti-corrosive Steel. 68.5" x 16.9" x 11.4" (HxWxD) Weight: 330.69 lb. / 150 kg. Stock color - Charcoal
 - 2. User Interface – Greyscale graphic LCD module. Module size is 4" x 2.75" and module resolution is 160 x 80 dots.
 - a. Pay & Display, Pay by Space, Pay by Plate configuration to be determined by project manager
 - b. Numeric keypad or optional alphanumeric capacitive keyboard to be determined by project manager
 - 3. Payment – Accepts bills, coins and credit cards. Coin selector: Automatic opening upon coin insertion with motor-driven coin selector. Accepts up to 14 different types of coins. Banknote reader: Cash code SM/MSM backload validator and can accept up to 84 banknotes. Credit cards: Smartcards & bankcards accepted.
 - 4. Collection – Separate exchangeable cashbox weighing 9.48 lb. when empty and approximately 52.91 lb when full. Volume is 4.46 lb. A separate bill staker weighs 2.87 lb. when empty and approximately 55.12 lb when full. Volume is 500 bills (US\$1.00)
 - 5. Power Supply – Solar or mains
 - 6. Security – Double-walled cashbox & armor-plated safe resistant to physical attacks. Money storage EN 14450 Level 2 certified. Remote detection of physical attack

7. Ticket – Thermal graphic printer for horizontal or vertical printing. Text & logo – 203 dots per inch per line, 8 dots per mm per line, 448 dots per column. Can use paper or self-adhesive tickets. Standard format of 2.36" x 2.75" / 60 x 70 mm. Capacity of up to 6,500 tickets
 8. Communications – 3G modem, Ethernet
 9. Environment – More than 95% recyclable (ISO 22628)
- D. All parking ticket dispensers should have the same maintenance key number: Parkeon Maintenance Key # : **PH2R421171 (K19/2016)**
- E. Public Parking Associates is the authorized distributor for Northern California. Please contact Paul Miller at (415) 640-4315 or at pmiller@publicparkingassociates.com

PART 3 EXECUTION

3.1 SUBSTITUTIONS

Not allowed.

3.2 RELATED DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS

SECTION 32 12 33 Paving and Surfacing

END OF SECTION