**SECTION 105000**

**MASTER SPECIFICATION**

**LOCKERS – Metal / Electronic**

***Display hidden notes to specifier by using "File"/"Options"/"Display"/"Hidden Text" (Word2010 for PC) or by selecting “Word”/”Preferences”/”View”/”Hidden Text” (Word for Mac)***

1. **GENERAL**
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Package Concierge® Element System consisting of electronic lockers and PACKAGE CONCIERGE® locker control software. Designed to interface with Package Concierge® proprietary web-based operating system.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete sections below not relevant to this project; add others as required.

* + 1. Section \_\_\_\_\_\_ - \_\_\_\_\_\_\_\_\_\_\_\_: Framed wall openings.
		2. Section 048000 - Masonry Assemblies.
		3. Section 055000 - Metal Fabrications: Metal anchors.
		4. Section 092500 - Gypsum Board.

E. Section 123100 – Stainless Steel Cabinets.

* 1. REFERENCES
		1. ASTM A653 CS Type B – Galvannealed Steel.
		2. ASTM B209 - Specification Aluminum and Aluminum Alloy Sheet and Plate.
		3. ASTM B221 - Specification Aluminum and Aluminum Alloy Extruded Bar, Rods, Wire, Shapes, and Tubes.
	2. SUBMITTALS
		1. Submit under provisions of Section 013000.
		2. Provide manufacturer's standard catalog data for specified products. **Product Data is available at** [**http://www.packageconcierge.com/architects-designers**](http://www.packageconcierge.com/architects-designers)**.**
		3. Shop Drawings: Prepared specifically for this project; show dimensions of locker system, locker compartments, wall cuts, and interface with other products.
		4. Closeout Submittals: (1) Manufacturer’s Cleaning & Maintenance Instructions (Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance), and (2) Manufacturer's warranty to repair or replace components that fail in materials or workmanship within one year from date of purchase.
	3. SEQUENCING/SCHEDULING

A. Ordering: Comply with Manufacturer’s ordering instructions and lead-time requirements to avoid delays.

B. Delivery: Deliver materials in Manufacturer’s original, unopened, undamaged packaging.

C. Storage: Store materials at temperature and in humidity conditions recommended by manufacturer and protect from exposure to harmful weather conditions.

D. Handling: Handle materials to prevent damage or marring of finish.

E. Installation: Except as otherwise indicated herein, sequencing or scheduling for performance of work of this section in relation with other work is Contractor's option. \*\*Note to Specifier: Delay installation of Package Concierge® System until near final completion of the project, ideally on schedule with Section 12 items. (Though this product falls under Section 10, it is best installed with Section 12 products. Unlike most Section 10 products, the Package Concierge® System cannot be installed and tested until the internet and power lines are live and operational at the site.)

* 1. REGULATORY REQUIREMENTS
		1. Comply with Accessibility Guidelines of the Fair Housing Act ([www.fairhousingfirst.gov](http://www.fairhousingfirst.gov)).

Compliance related to high reach limitations will be accomplished via software designed to appropriately manage system to accommodate requisite accessibility requirements of registered users. Low reach minimums are built into the locker hardware design. \*\*Note to Specifier: Installing the Package Concierge® System on a raised slab or pitched flooring potentially will cause non-compliance with required Accessibility Reach Ranges described in the Fair Housing Act.

* + 1. Complies with the Standards and requirements of Custom-Built Kiosks (UL-Subject-2361) and is identified with the ETL Listed Mark.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Manufacturer shall have a Quality System in place and be able to substantiate that manufactured units conform to requirements and match the approved design. Manufacturer must be ISO 9001:2008 certified.
		2. Installer Qualifications: Installer should be highly experienced in performing work of this section, having been previously certified by Manufacturer and having done work similar to that required for this project. Installation is to be completed by Package Concierge® authorized installer only.

1. **PRODUCTS**
	1. MANUFACTURERS
		1. Acceptable Manufacturer:
		Sales Office: Package Concierge, Inc. 5935 Corporate Drive, Manhattan, Kansas, 66503.
		Manufacturing Operations: Florence Corporation, 5935 Corporate Drive Manhattan, Kansas, 66503.
		Phone: 888-356-4968.
		Email: info@packageconcierge.com.
		Web: [www.packageconcierge.com](http://www.packageconcierge.com).
		2. Substitutions: Not permitted.
	2. ELECTRONIC LOCKER SYSTEM

\*\* NOTE TO SPECIFIER \*\* System requires electrical and Ethernet connection as noted below and on Manufacturer’s product specification drawings.

* + 1. Package Concierge® Element Series Locker System: Consisting of a kiosk control module and one or more locker “modules.” Each module consists of a two (2) locker columns and is sometimes referred to as a double-column locker module. Each module consists of multiple individual lockers controlled by an electronic locking system engaged or released by the kiosk control module. The kiosk control module also includes usable lockers and can used as a standalone system. The Package Concierge® Element System is designed by combining desired number of locker modules in conjunction with a single kiosk control module. The system is configurable and scalable to meet the needs of the desired application. The system requires electrical and Ethernet connection (CAT 5e compatible) to use Package Concierge® proprietary software that operates the locker system. Depending on the size of the specified system, additional electrical connections may be required. Consult with Package Concierge® to determine the appropriately sized solution for your project application.

\*\* NOTE TO SPECIFIER \*\* Delete six of the seven following paragraphs.

1. Preconfigured Outdoor Element System: ELEMENT24 (system includes kiosk control module and 24 usable locker compartments).
2. Preconfigured Outdoor Element System: ELEMENT34 (system includes kiosk control module and 34 usable locker compartments).
3. Preconfigured Outdoor Element System: ELEMENT44 (system includes kiosk control module and 44 usable locker compartments).
4. Preconfigured Outdoor Element System: ELEMENT60 (system includes kiosk control module and 60 usable locker compartments).
5. Preconfigured Outdoor Element System: ELEMENT72 (system includes kiosk control module and 72 usable locker compartments).
6. Custom Configured Element System: (Choose from individual locker modules to customize a system that includes at least one kiosk control module and desired number of usable package locker and/or dry cleaning locker compartments). Design your own system at: <https://www.packageconcierge.com/resources/configurator/>.
7. Compartments: As indicated on Drawings.
8. Compartment Identification: None - user compartment identification and use managed via software interface.
9. Compartment Door Locks: Each compartment door equipped with electronic lock managed by kiosk control module.
10. Optional Installation Accessories for Package Concierge® Element System
	1. Connector Kit: Required for any distributed (split) systems and for linear, U or L shaped contiguous systems larger than five (5) double column modules. (NOTE: L & U shape systems not available when lighted awnings are needed.)
11. Locker Module Materials:
	* 1. Compartment Doors: Galvannealed Steel (ASTM A653 CS Type B)
		2. Frames: Galvannealed Steel (ASTM A653 CS Type B) & 6063-T6 Aluminum (ASTM B221)
		3. Interior Shelves: 5052-H32 Aluminum (ASTM B209)
		4. Cabinet: Galvannealed Steel (ASTM A653 CS Type B)
12. Kiosk Module includes the following electronic components:
	1. Computer (computer/touch screen combination)
	2. Touch Screen (10 x 8 inch)
	3. Barcode Scanner (1D & 2D image capture)
	4. Camera (digital still image capture)
13. Finishes:
	* + - 1. Element System Lockers Exterior Finish:

\*\* NOTE TO SPECIFIER \*\* Delete seven of the eight following paragraphs.

1. Sandstone
2. Dark Bronze
3. Postal Grey
4. Antique Bronze
5. White
6. Silver Speck
7. Gold Speck
8. Black
	1. Element Kiosk Module Decals
		1. Package Concierge® Brand & Customer Help Information - Black Vinyl

\*\* NOTE TO SPECIFIER \*\* Delete two of the three following paragraphs.

* + 1. Outdoor, Unprotected Installation Location
		2. Outdoor, Protected Installation Location
		3. Indoor Installation
1. Mounting:

\*\* NOTE TO SPECIFIER \*\* Delete one of the two following paragraphs.

* + - * 1. Floor Mount: Modules included in an Element system are physically connected to each other at the time of installation. Each module is anchored to the foundation or floor suitable for mounting as outlined in the manufacturer’s site preparation and installation guides.
				2. Wall Mount: An alternative method of anchoring a system is to wall mount using methods outlined in manufacturer’s installation instructions. (Note: Outdoor systems must be floor/foundation mounted.)

\*\* NOTE TO SPECIFIER \*\* Delete one of the two following paragraphs.

* + 1. With Light Awning (Note: Awning required outside in unprotected area)
		2. No Awning – flat top only
1. Locker Control Software: Package Concierge® Element system control software installed on kiosk control module.
2. **EXECUTION**
	1. EXAMINATION
		1. Verify that foundation/floor is adequate for weight of system and for safe, accessible user access.
		2. Verify that openings in wall are correctly located, aligned and sized if locker system is to be fully or semi-recessed (set back) in wall.
		3. Verify that Power and Ethernet are installed and enabled: See manufacturer drawings and site preparation guide for recommended outlet or junction box placement.
		4. Installer's Examination:
3. Examine conditions under which construction activities of this section are to be performed; submit written notification if such conditions are unacceptable.
4. Ensure that electrical and Ethernet connection are installed and enabled before beginning installation.
5. Beginning installation indicates acceptance of conditions.
	1. INSTALLATION
6. Install Package Concierge® Element System in accordance with shop drawings and manufacturer's installation instructions. \*\* The Package Concierge® System must be installed by a Certified Package Concierge® installer.
7. Align, plumb, level and anchor in accordance with manufacturer's requirements.
8. For recessed applications allow wall clearance on the left and right sides of the system in accordance with manufacturer drawings. **[Once internet connection is confirmed by Package Concierge® remote access, the system may be trimmed into recess after installation is completed.]**
9. The Element system may be installed indoors or outdoors. The location specified for the system will determine product components appropriate for the environment. Indoor Element systems should be protected from weather and located in an area with ambient temperature between 32°F - 95°F for optimal system operation. Element systems designed for outdoor use may be located in protected or unprotected outdoor areas with ambient temperature between -10°F to 100°F for optimal system operation.
10. Outdoor systems must be hard wired with electrical disconnect and installed according to National Electric Code (NEC) standards and manufacturer site preparation and installation instructions.
	1. COMMISSIONING
11. Locker control system to be commissioned and tested with operating system software only by an authorized Package Concierge® installer.
	1. CLEANING
12. See Package Concierge® System Cleaning & Maintenance Instructions.
13. Generally, clean surfaces with mild dish detergent. Do not use harsh abrasive cleaners. In event of graffiti, commercially available “KrudKutter™” solution may be used.
	1. PROTECTION OF INSTALLED PRODUCTS
14. Protect finishes from damage by construction activities. [System should only be installed after construction is completed, including all flooring and painting.]

END OF SECTION

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