**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® Express 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 A240 - Specification for Austenitic Stainless Steel Sheet, Strip, Plate and Flat Bar.
		2. ASTM A1008 - Specification for Steel, Sheet Cold-Rolled, Carbon, Structural High Strength Low-Alloy and High Strength Low-Alloy with Improved Formability.
		3. ASTM B209 - Specification Aluminum and Aluminum Alloy Sheet and Plate.
		4. 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. 445 Main Street, Suite 201, Medfield, MA 02052
		Manufacturing Operations: Florence Corporation, Manhattan, Kansas, 66503.
		Tel: (888)-989-7225.
		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® Express 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® Express 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) both located within 5ft of the kiosk and use of Package Concierge® proprietary software to operate 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 Express System: PCEX-22 (system includes kiosk control module and 22 usable locker compartments).
2. Preconfigured Express System: PCEX-34 (system includes kiosk control module and 34 usable locker compartments).
3. Preconfigured Express System: PCEX-44 (system includes kiosk control module and 44 usable locker compartments).
4. Preconfigured Express System: PCEX-60 (system includes kiosk control module and 60 usable locker compartments).
5. Preconfigured Express System: PCEX-73 (system includes kiosk control module and 73 usable locker compartments).
6. Preconfigured Express System: PC7-82 (system includes kiosk control module and 82 usable locker compartments).
7. Custom Configured Express 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).
8. Compartments: As indicated on Drawings.
9. Compartment Identification: None - user compartment identification and use managed via software interface.
10. Compartment Door Locks: Each compartment door equipped with electronic lock managed by kiosk control module.
11. Optional Installation Accessories for Package Concierge® Express 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.
12. Locker Module Materials:
	1. Compartment Doors: Steel (ASTM A1008 CS Type B)
	2. Frames: Steel (ASTM A1008 CS Type B) & 6063-T6 Aluminum (ASTM B221)
	3. Interior Shelves: 5052-H32 Aluminum (ASTM B209)
	4. Cabinet: Steel (ASTM A1008 CS Type B)
	5. Latching Components: 300 Series Stainless Steel (ASTM A240)
13. Kiosk Module includes the following electronic components:
	1. Computer (computer/touch screen combination)
	2. Touch Screen (7 x 5 inch)
	3. Barcode Scanner (1D & 2D image capture)
	4. Camera (digital still image capture)
14. Finishes:
	* + - 1. Express System Lockers Exterior Finish:

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

1. Sandstone
2. Dark Bronze
3. Postal Grey
	1. Express Kiosk Module Decals
		1. Package Concierge® Brand & Customer Help Information - Black Vinyl
	2. Optional Express System Module End-Panel Decals – Black Vinyl

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

* + 1. Open Area Installation - decorative end-panel decals coordinating with kiosk decals included with system when module end-panels are exposed.
		2. Recessed Installation – end-panel decals may be eliminated from project when system is installed in a recessed location.
1. Mounting:

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

* + - * 1. Wall Mount: Modules included in an Express system are all free-standing and not physically connected to each other. Safety standards require that each module be attached to the wall using methods outlined in manufacturer’s installation instructions.
				2. Back-to-Back Mount: Modules included in an Express system are all free-standing and not physically connected to each other. Safety standards allow the modules to be installed in a back-to-back formation where each module is attached to a corresponding module rather than a wall following the method outlined in manufacturer’s installation instructions.
1. Locker Control Software: Package Concierge® Express 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: 120 AC grounded receptacle on a 15A circuit and Ethernet connection (CAT 5e compatible) both within 5 ft. of the kiosk. See manufacturer drawings for recommended outlet 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® Express 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. System must be installed indoors or in a location fully protected from impact of weather. For optimum operation of the locker system, ambient temperature is between 32°F - 95°F / 0°C - 35°C).
	1. COMMISSIONING
10. Locker control system to be commissioned and tested with operating system software by Package Concierge® authorized installer only.
	1. CLEANING
11. See Package Concierge® System Cleaning & Maintenance Instructions.
12. 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
13. 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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