SECTION 08 56 59

window-drawer combination units

[Specifier Notes] – This document uses hidden text to guide the specifier through various options while editing the document. Hidden text may be turned on by quickly by clicking on the “Show/Hide” symbol “¶” in the ribbon; by going to “File” above the ribbon at the top left, then to “Options” at the very lower left, then to “Display” on the left side of the menu pop-up, and then check the box next to “Hidden Text.”

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1. GENERAL
	1. Section Includes:
		1. Window-Drawer Combination Units
	2. Related Sections
		1. UL Listed
		2. Level 1 Bullet Resistance
	3. Coordination
		1. Coordinate window-drawer combination unit with power and signal systems specified in Division 26.
		2. Coordinate openings with building structure for support requirements.
	4. Submittals
		1. Submit in accordance with requirements of Section 01 30 00 - Administrative Requirements.
		2. Product Data: Manufacturer's product information and technical data sheets for all products referenced in the scope of work defined in this section.
			1. Substrate preparation instructions and recommendations
			2. Installation means and methods.
			3. Recommendations and requirements for proper storage and handling.
		3. Shop Drawings: Submit shop drawings required to depict the requirements for on site installation. Include the following drawings as applicable:
			1. Submit Manufacturer’s approved shop drawings detailing the product to be installed in plan, section, and elevation.
			2. Coordinate with locations listed on Contract Drawings.
		4. Warranty Information:
			1. Submit confirmation and details of manufacturer’s warranty, extended warranty, and replacement policies.
		5. System Support Resources:
			1. Submit a list of available manufacturers providing fee-based professional services available to the Contractor or Owner, including but not limited to the following:
				1. Training.
				2. Installation.
				3. Commissioning.
	5. Closeout Submittals
		1. Operation and Maintenance Data: For integrated assemblies to include in emergency, operation, and maintenance manuals.
		2. Warranty Information: Submit confirmation and details of manufacturer’s warranty, extended warranty, and replacement policies.
	6. Maintenance Submittals
		1. Spare Parts: All Spare Parts must be delivered to the owner in their original sealed packaging. Clearly label with “SPARE: DO NOT REMOVE”, and include manufacturer part numbers, and date of delivery to Owner. Store all spare parts in an environment and condition recommended by the manufacturer.

[Specifier Notes] – Retain one of the next two paragraphs based upon project requirements for spare components.

* + - 1. Provide spare components as noted in the coordinating schedule for work listed in this section.
	1. Quality Assurance
		1. Qualifications - Manufacturers: Manufacturer(s) supplying products specified in this section must have a minimum of 5 years in business.
		2. Qualifications - Installers:
			1. Installer must be licensed to install pneumatic teller systems as required by the authority having jurisdiction.
			2. Installer must be capable of providing references that will attest to the successful completion of projects of similar scope as the work noted in this section.
			3. Installer must be certified by the manufacturer and be up to date with all training required to maintain good standing.
		3. Mock-Ups: Provide a mock-up for evaluation of the installer’s workmanship.
			1. Do not proceed with remaining Work until workmanship is approved by Architect.
			2. Refinish mock-up area as required to produce acceptable work.
	2. Delivery, Storage and Handling
		1. Deliver, store and handle materials and products in accordance with the manufacturer's instructions and recommendations and industry standards.
		2. Store all materials in the manufacturer’s original packaging until ready for installation. Protect all products from damage or exposure to adverse environmental conditions, including weather, humidity, and dust.
		3. Coordinate pallet sizes, weights, and delivery schedule with manufacturer.
	3. Project Conditions
		1. Prior to fabrication, verify that dimensions are consistent with those found in the construction drawings. Where discrepancies exist, confirm the proper dimensions with the Architect before proceeding with work.
		2. Begin installation only after spaces are enclosed, weather-tight, and after construction activities that can damage product or coordinate protective measures in accordance with manufacturer’s installation and space condition requirements.
		3. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
	4. Warranty
		1. Manufacturer Warranty: Provide manufacturer’s warranty covering defects in materials or workmanship.
			1. Warranty Period: 1-year warranty on the base product; 90-day warranty on parts.
1. Products
	1. Manufacturers

[Specifier Notes] – Retain the following Paragraph if this document is a PROPRIETARY Specification, with Bavis Fabacraft’s products listed as the Basis of Design. Delete if not required.

* + 1. Basis of Design Manufacturer: Bavis Fabacraft.
			1. Address: 201 Grandin Road, Maineville, OH 45039.
			2. Phone: (513) 677-0500.
			3. Website: <http://www.bavis.com/>.

[Specifier Notes] – Retain the following Paragraph if this document is written as a PERFORMANCE specification, without listing a manufacturer as a basis of design. Insert manufacturers that sell products comparable to those specified in this section. Delete if not required.

* + 1. Manufacturer List:
			1. Manufacturer:
				1. Diebold Nixdorf
				2. Hamilton Security Solutions
				3. Covenant Security
		2. Substitution Limitations:
			1. Submit substitution requests in accordance with provisions of Section 01 60 00.
			2. Single manufacturer will provide, from a single source, a fully integrated window-drawer combination unit.
	1. window-drawer combination units

[Specifier Notes] – Retain one of the two following Basis of Design Product Paragraphs if this document is a PROPRIETARY Specification, with Bavis Fabacraft’s products listed as the Basis of Design. Delete both if not required.

* + 1. Basis of Design Product: Window-Drawer Combination Units
		2. Materials
			- 1. 14 Gauge Galvannealed steel framework and trim.
				2. Bullet Resistant Glass
				3. Finish – ASA 70 Gray Powder Coat Standard (Custom Options available)
		3. Sizes:
			1. 60” x 63” Combination Hurricane
				1. Viewable Area - 56-1/2" W x 44-1/4" H
				2. Counter Dimensions - 58-3/4" W x 23-1/2"
			2. 60” x 63” Combination
				1. Viewable Area - 56-1/2" W x 44-1/4" H
				2. Counter Dimensions - 56-15/16" x 23-1/2" with shelves
			3. 56” x 48” Combination
				1. Viewable Area - 52" W x 29-1/4" H
				2. Counter Dimensions - 53-3/8" x 23-7/16" with shelves
			4. 50” x 60” Combination
				1. Viewable Area - 45-3/4" W x 29-1/4" H
				2. Counter Dimensions - 47-3/16" x 23-7/16"
			5. 32” x 48” Combination (12000992)
				1. Viewable Area - 28" W x 29-1/4" H
				2. Counter Dimensions - 29-15/16" x 23-7/16"
		4. Features:
			1. Large Electric Transaction Drawer
			2. Pressed Wood Laminate Counter
			3. Power Requirements 110/120 VAC, 20 AMP; Interior hookup
			4. Exterior audio components (mic, speaker, call button)
1. Execution
	1. Examination
		1. Do not begin work until adjacent substrates have been properly prepared to receive work specified in this section.
		2. Verify that locations of concealed reinforcements have been clearly marked for the installer.
	2. Preparation
		1. Clean surfaces prior to installation.
		2. Protect all adjacent surfaces from damage during installation.
		3. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. Installation
		1. Install in accordance with manufacturer’s current installation instructions, industry recognized best practices, and all code bodies having jurisdiction; do not install damaged products.
			1. Install assemblies level, plumb, and true.
			2. Deburr any cut edges of trim or tubing as required.
			3. Stabilize unit against horizontal forces.
		2. Coordinate with related electrical.
	4. DEMONSTRATION
		1. Demonstrate required testing and maintenance procedures to Owner’s Representative.
	5. Cleaning and Protection
		1. Clean and remove all grime or other soils using manufacturer’s recommended methods.
		2. Damaged products must be repaired or replaced prior to substantial completion.
		3. Protect installed products until completion of work specified in this section.

End of Section