SECTION 10805

COMMERCIAL WASHROOM ACCESSORIES

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\*\* NOTE TO SPECIFIER \*\* Lovair USA LLC; washroom fittings and fixture products.
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This section is based on the products of Lovair USA LLC, which is located at:
5450 W. 83rd St.
Los Angeles, CA 90045
Tel: 310-410-5008
Email: [request info (info.usa@lovair.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Lovair+USA+LLC&coid=50157&rep=&fax=&message=RE:%20Spec%20Question%20(10508lov):%20%20&mf=)
Web: [www.lovair.com](http://www.lovair.com)
 [ [Click Here](http://www.arcat.com/arcatcos/cos50/arc50157.html) ] for additional information.
Beyond the functional, we believe in the positive influence considered design has on our daily lives. We work with leading and emerging designers to create award winning products and systems that share a pure design aesthetic, fusing simplicity with flair.
Lovair sinks are hand crafted in America with Solid Surface; a non-porous, hygienic, highly-versatile material to create welcoming, minimal and safe washroom environments, complimented with our unique range of matching faucets, soap dispensers and accessories to provide the market with fixtures that help create restrooms with a difference.
Working with aspirational architects and designers, Lovair products have been installed in some of the worlds largest projects for many leading brands. Having now completed over 100 major projects in the USA including some of the nations busiest airports, Lovair products have been proven to thrive in some of the most rigorous of restroom environments.

1. GENERAL
	1. SECTION INCLUDES

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

* + 1. Countertops with Integral Sinks.
		2. Faucets.
		3. Soap Dispensers.
		4. Soap Dispenser Systems.
		5. Hand Dryers.
		6. Towel Dispensers/Waste Bins.
	1. RELATED SECTIONS

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

* + 1. Section 06100 [06 10 00] - Rough Carpentry.
		2. Section 06400 [06 40 00] - Architectural Woodwork: Casework and cabinets.
		3. Section 07900 [07 92 00] - Joint Sealers.
		4. Section 08830 [08 83 00] - Mirrors.
		5. Section 15145 [22 05 00] - Plumbing Piping.
		6. Section 15430 [22 32 00] - Plumbing Equipment.
		7. Section 16150 [26 05 00] - Wiring Connections: Electric connections to sensor valves and faucets specified by this section.
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. ANSI Z 124.3 - Plastic Lavatories.
		2. ANSI Z 124.6 - Plastic Sinks.
		3. ANSI/ASME A112.18.1 - American National Standard for Plumbing Fixture Fittings;.
		4. ANSI/ICPA SS-1 - Performance Standard for Solid Surface Materials.
		5. ADA/ANSI A117.1 ANSI/ASME A112.18.1 - American National Standard for Plumbing Fixture Fittings.
		6. CAN/CSA B 45 - Plumbing Fixtures.
		7. CAN/CSA B 125 - Plumbing Fixture Fittings.
		8. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
		9. U.S. Architectural & Transportation Barriers Compliance Board. Americans with Disability Act (ADA) and Architectural Barriers Act (ABA) Accessibility Guidelines for Buildings and Facilities.
		10. IMPO International Association of Plumbing and Mechanical Officials
	1. SUBMITTALS
		1. Submit under provisions of Section 01300.
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. Preparation instructions and recommendations.
			2. Storage and handling requirements and recommendations.
			3. Installation methods.
		3. Shop Drawings: Submit plans, elevations, and detail section; indicate overall dimensions, material thickness, location and size of product, and mounting provisions and methods.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
		2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
		3. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
		2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
		3. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
		4. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic checking and adjustment and periodic cleaning and maintenance of all components.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Manufacturer with minimum 5 years experience in the manufacture of the product types specified. If requested submit a list of successful installations of similar products for evaluation by Architect.
		2. Accessibility Requirements: Comply with requirements of ADA/ABA and with requirements of authorities having jurisdiction.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
			1. Finish areas designated by Architect.
			2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
			3. Refinish mock-up area as required to produce acceptable work.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Store products in manufacturer's unopened packaging until ready for installation.
		2. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
	2. SEQUENCING
		1. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.
		2. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
	3. PROJECT CONDITIONS
		1. 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 absolute limits.
	4. WARRANTY
		1. Countertops and sinks:
			1. Corporate Slab L-S Series: 5 year product warranty and a 10 year material warranty.
			2. Slim Slab L-WS Series: 5 year warranty.
		2. Faucets:
			1. Ribbon Water Sensor faucet: 3 year parts warranty.
		3. Soap Dispenser:
			1. Ribbon Soap Sensor Dispenser: 3 year parts warranty.
		4. Automatic Soap System:
			1. System60 Series: 3 year parts warranty.
		5. Hand Dryers:
			1. Ribbon Hand Dryer Model L-R131: 3 year parts warranty.
		6. Paper Towel Dispensers:
			1. 2 year parts warranty.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Lovair USA LLC, which is located at: 5450 W. 83rd St.; Los Angeles, CA 90045; Tel: 310-410-5008; Email: [request info (info.usa@lovair.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Lovair+USA+LLC&coid=50157&rep=&fax=&message=RE:%20Spec%20Question%20(10508lov):%20%20&mf=); Web: [www.lovair.com](http://www.lovair.com)

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01600.

\*\* NOTE TO SPECIFIER \*\* Edit the following paragraphs as required for the project and applicable to project requirements. Delete the paragraphs that are not applicable.

* 1. COUNTERTOPS WITH INTEGRAL SINKS
		1. Corporate Slab L-S Series:
			1. Features:
				1. Hand Crafted in USA
				2. Fully Customizable Design
				3. Concealed Drain System
				4. ADA Compliant
				5. IAPMO Certified No C-8820.
				6. Modular Bracket System.
				7. Dupont Corian, Solid Surface Material
			2. Model/Length:

\*\* NOTE TO SPECIFIER \*\* Select the Model/Size required and delete the ones not required.

* + - * 1. L-MS60: Length 24 inches, Users 1.
				2. L-MS12: Length 48 inches, Users 2.
				3. L-MS18: Length 72 inches, Users 3.
				4. L-MS24: Length 96 inches, Users 4.
				5. L-MS30: Length 120 inches, Users 5.
				6. L-MS36: Length 144 inches, Users 6.
				7. Custom: Length \_\_\_ inches, Users \_\_.
			1. Slab Depth:

\*\* NOTE TO SPECIFIER \*\* Select the depth required and delete the one not required.

* + - * 1. 20 inches.
				2. 24 inches.
			1. Fixture Depth: 5 inches.
			2. Plumbing: 1-1/2 inch waste outlet per user.
			3. Color:

\*\* NOTE TO SPECIFIER \*\* Select the color required and delete the ones not required.

* + - * 1. Bisque
				2. Blueberry Ice
				3. Bone
				4. Glacier Ice
				5. Glacier White
				6. Ice White
				7. Lime Ice
				8. Mint Ice
				9. Vanilla
				10. Pearl Gray
				11. Seagrass
				12. Cameo White
				13. Specialty Colors available
		1. Slim Slab L-WS Series:
			1. Features:
				1. Hand Crafted in USA
				2. Fully Customizable Design
				3. Concealed Drain System
				4. ADA Compliant
				5. IAPMO Certified No C-8820.
				6. Modular Bracket System.
				7. Dupont Corian, Solid Surface Material
			2. Model/Length:

\*\* NOTE TO SPECIFIER \*\* Select the Model/Size required and delete the ones not required.

* + - * 1. L-WS60: Length 23-5/8 inches, Users 1.
				2. L-WS12: Length 47-1/4 inches, Users 2.
				3. L-WS18: Length 70-1/8 inches, Users 3.
				4. L-WS24: Length 94-1/4 inches, Users 4.
				5. L-WS30: Length 118-1/8 inches, Users 5.
				6. L-WS36: Length 141-3/4 inches, Users 6.
				7. Custom: Length \_\_\_ inches, Users \_\_.
			1. Depth:
				1. 24 inches.
			2. Plumbing: 1-1/2 inch waste outlet per user.
			3. Color:.
				1. Glacier White
		1. Lovair Mini Slab Series: NO DATA
		2. Lovair Midi Slab Series: NO DATA
		3. Lovair Maxi Slab Series: NO DATA
		4. Slab Pipeskirt: Mounts to the underside of the sink off brackets and provides an ADA approved method of concealing all pipes and fixtures while retaining access to the underside of the sinks. Available in.
			1. Size: Provided to match Corporate Slab or Slim Slab specified.
			2. Material/Finish:

\*\* NOTE TO SPECIFIER \*\* Select the Material/Finish required and delete the ones not required.

* + - * 1. Stainless steel
				2. Chrome
				3. Metal with powdercoat colors as selected.
				4. Wood Species and finish as selected
				5. Custom \_\_\_\_\_
	1. FAUCETS

\*\* NOTE TO SPECIFIER \*\* Ribbon collection is available with matching deck mounted water sensor faucet, soap dispenser and hand dryer.

* + 1. Deck Mounted Ribbon Water Sensor Faucet: Deck mounted with stainless steel body and adjustable flow settings.
			1. Dimensions
				1. Width - 2-1/8 inches
				2. Length - 7-3/8 inches "
				3. Height - 5-5/8 inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
			1. Flow rate:

\*\* NOTE TO SPECIFIER \*\* Select the flow rate required and delete the ones not required.

* + - * 1. 0.88 GPM standard.
				2. 0.4 GPM option.
				3. 1.58 GPM option.
			1. Stainless steel grade: ANC3-B
			2. Water Supply: Pre-mixed.
			3. Sensor range
				1. Preset: 4-22/32 inches (adjustable)
				2. Min range: 2-23/64 inches
				3. Max range: 15-3/4 inches
			4. Inlet Temperature: Max 122 degrees F
			5. Comfort delay: 2 seconds plus or minus 20 percent
			6. Security cut-off: 30 seconds plus or minus 20 percent
			7. Power supply - mains

\*\* NOTE TO SPECIFIER \*\* Select the power supply required and delete the one not required.

* + - * 1. L-R021: 100-240V AC 50-60Hz Mains (IP55 transformer with IMAGO connector)
				2. Power supply - battery: Battery - CRP2 lithium
		1. Deck Mounted 990 Series Water Sensor Faucet: Deck Mounted. Stainless steel. Available in both pre-mixed and hot and cold mix options
			1. Dimensions
				1. Width - 1-23/32 inches
				2. Length - 7-3/8 inches
				3. Height - 6-1/8 inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. Custom
			1. Flow rate

\*\* NOTE TO SPECIFIER \*\* Select the flow rate required and delete the one not required.

* + - * 1. 0.5 GPM standard.
				2. 0.35 GPM option.
			1. Water Supply:

\*\* NOTE TO SPECIFIER \*\* Select the water supply required and delete the one not required.

* + - * 1. Pre-mixed.
				2. Dual-Inlet
			1. Sensor Range
				1. Preset range 8-11/16 inches
				2. Minimum range 3-5/32 inches
				3. Maximum range 11-13/16 inches
			2. Inlet Temperature: Max 158 degrees F
			3. Power Supply

\*\* NOTE TO SPECIFIER \*\* Select the power supply required and delete the one not required.

* + - * 1. IP-68 rated plug-in transformer; Input: 110-120 volts, Output: 9 volts
				2. IP-67 rated battery pack (uses 6 AA batteries); Output: 9 volts
		1. Deck Mounted 980 Series Water Sensor Faucet: Deck Mounted. Brass with Satin Chrome, Chrome, or custom finishes.
			1. Dimensions
				1. Width - 1-3/4 inches
				2. Length - 5-3/4 inches
				3. Height - 6-11/16 inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. Custom
			1. Flow rate

\*\* NOTE TO SPECIFIER \*\* Select the flow rate required and delete the one not required.

* + - * 1. 0.5 GPM standard.
				2. 0.35 GPM option.
			1. Water Supply:

\*\* NOTE TO SPECIFIER \*\* Select the water supply required and delete the one not required.

* + - * 1. Pre-mixed.
				2. Dual-Inlet
			1. Sensor Range
				1. Preset range 8-11/16 inches
				2. Minimum range 3-5/32 inches
				3. Maximum range 11-13/16 inches
			2. Inlet Temperature: Max 158 degrees F
			3. Power Supply

\*\* NOTE TO SPECIFIER \*\* Select the power supply required and delete the one not required.

* + - * 1. IP-68 rated plug-in transformer; Input: 110-120 volts, Output: 9 volts
				2. IP-67 rated battery pack (uses 6 AA batteries); Output: 9 volts
		1. Deck Mounted 960 Series Water Sensor Faucet: Deck Mounted. Stainless steel with Satin Chrome, Chrome, and custom finishes.
			1. Dimensions
				1. Width - 1-1/2 inches
				2. Length - 8-13/16 inches
				3. Height - 7-23/32 inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. Custom
			1. Flow rate

\*\* NOTE TO SPECIFIER \*\* Select the flow rate required and delete the one not required.

* + - * 1. 0.5 GPM standard.
				2. 0.35 GPM option.
			1. Water Supply:
				1. Pre-mixed.
			2. Sensor Range
				1. Preset range 8-11/16 inches
				2. Minimum range 3-1/8 inches
				3. Maximum range 11-13/16 inches
			3. Inlet Temperature: Max 158 degrees F
			4. Power Supply

\*\* NOTE TO SPECIFIER \*\* Select the power supply required and delete the one not required.

* + - * 1. IP-68 rated plug-in transformer; Input: 110-120 volts, Output: 9 volts
				2. IP-67 rated battery pack (uses 6 AA batteries); Output: 9 volts
		1. Deck Mounted 190 Series Water Sensor Faucet: Deck Mounted. Stainless steel with Satin Chrome, Chrome, and custom finishes. NO DATA FOR THIS PRODUCT
			1. Dimensions
				1. Width - \_\_\_ inches
				2. Length - \_\_\_ inches
				3. Height - \_\_\_ inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. Custom
			1. Flow rate

\*\* NOTE TO SPECIFIER \*\* Select the flow rate required and delete the one not required.

* + - * 1. 0.5 GPM standard.
				2. 0.35 GPM option.
			1. Water Supply:
				1. Pre-mixed.
			2. Sensor Range
				1. Preset range 8-11/16 inches
				2. Minimum range 3-5/32 inches
				3. Maximum range 11-13/16 inches
			3. Inlet Temperature: Max 158 degrees F
			4. Power Supply

\*\* NOTE TO SPECIFIER \*\* Select the power supply required and delete the one not required.

* + - * 1. IP-68 rated plug-in transformer; Input: 110-120 volts, Output: 9 volts
				2. IP-67 rated battery pack (uses 6 AA batteries); Output: 9 volts
		1. Wall Mounted 870 Series: Water Sensor Faucet: Wall Mounted. Stainless steel with Satin Chrome, Chrome, and custom finishes.
			1. Dimensions
				1. Width - 15/16 inches

\* NOTE TO SPECIFIER \*\* Select the length required and delete the one not required.

* + - * 1. Length - 7-9/16 inches
				2. Length - 10-11/16 inches
			1. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. Custom
			1. Flow rate

\*\* NOTE TO SPECIFIER \*\* Select the flow rate required and delete the one not required.

* + - * 1. 0.5 GPM standard.
				2. 0.35 GPM option.
			1. Water Supply:
				1. Pre-mixed.
			2. Sensor Range
				1. Preset range 8-11/16 inches
				2. Minimum range 3-5/32 inches
				3. Maximum range 11-13/16 inches
			3. Inlet Temperature: Max 158 degrees F
			4. Power Supply

\*\* NOTE TO SPECIFIER \*\* Select the power supply required and delete the one not required.

* + - * 1. IP-68 rated plug-in transformer; Input: 110-120 volts, Output: 9 volts
				2. IP-67 rated battery pack (uses 6 AA batteries); Output: 9 volts
		1. Wall Mounted 180 Series Water Sensor Faucet: Wall Mounted. Stainless steel with Chrome, Satin Chrome and custom finishes.
			1. Dimensions
				1. Width - 1/2 inches

\* NOTE TO SPECIFIER \*\* Select the length required and delete the one not required.

* + - * 1. Length - 6-11/16 inches
				2. Length - 8-21/32 inches
			1. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. Custom
			1. Flow rate

\*\* NOTE TO SPECIFIER \*\* Select the flow rate required and delete the one not required.

* + - * 1. 0.5 GPM standard.
				2. 0.35 GPM option.
			1. Water Supply:
				1. Pre-mixed.
			2. Sensor Range
				1. Preset range 8-11/16 inches
				2. Minimum range 3-5/32 inches
				3. Maximum range 11-13/16 inches
			3. Inlet Temperature: Max 158 degrees F
			4. Power Supply

\*\* NOTE TO SPECIFIER \*\* Select the power supply required and delete the one not required.

* + - * 1. IP-68 rated plug-in transformer; Input: 110-120 volts, Output: 9 volts
				2. IP-67 rated battery pack (uses 6 AA batteries); Output: 9 volts
	1. SOAP DISPENSERS

\*\* NOTE TO SPECIFIER \*\* Ribbon collection is available with matching deck mounted water sensor faucet, soap dispenser and hand dryer.

* + 1. Deck Mounted Ribbon Soap Sensor Operated: Stainless steel with Satin Chrome and Chrome finishes.
			1. Dimensions
				1. Width - 1-7/8 inches
				2. Length - 6-3/4 inches "
				3. Height - 4-7/16 inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
			1. Stainless steel grade: ANC3-B
			2. Sensor range
				1. Preset: 4-22/32 inches (adjustable)
				2. Min range: 2-23/64 inches
				3. Max range: 15-3/4 inches
			3. Security cut-off: 30 seconds
			4. Power supply:
				1. L-R011: 120-230V AC 50-60Hz Mains
			5. Recommended Soap Supply System: Lovair automatic soapfeed system.
		1. Deck Mounted L-219 Foam Soap, Sensor Operated: Stainless steel with Satin Chrome and Chrome finishes.
			1. Dimensions
				1. Width - 1-3/16 inches
				2. Length - 3-1/4 inches "
				3. Height - 2-1/2 inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. Custom
			1. Stainless steel grade: ANC3-B
			2. Sensor range
				1. Preset: 4-3/4 inches
				2. Min range: 2 inches
				3. Max range: 9-13/16 inches
			3. Power supply:
				1. 3 amp fused spur to transformer; low voltage push fit connector to dispenser.
			4. Recommended Soap Supply System: Lovair auto soap foaming system.
		1. Deck Mounted L-119 Liquid Soap, Pump Operated: Stainless steel with Satin Chrome and Chrome finishes.
			1. Dimensions
				1. Width - 1-3/16 inches
				2. Length - 3-1/4 inches "
				3. Height - 2-1/2 inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. Custom
			1. Stainless steel grade: ANC3-B
			2. Soap Feed System:
				1. L-FB1 Single Feed 1L
				2. L-ST1 Single Feed 5L
				3. L-ST Multi Feed 5L (Up to 3 users)
		1. Wall Mounted L-465 Foam Soap, Sensor Operated: Stainless steel with Satin Chrome, Chrome and custom finishes..
			1. Dimensions
				1. Width - 1 inch
				2. Length - 4-11/16 inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. Custom
			1. Stainless steel grade: 316
			2. Sensor range
				1. Preset: 4-3/4 inches
				2. Min range: 2 inches
				3. Max range: 9-13/16 inches
			3. Power supply:
				1. 3 amp fused spur to transformer; low voltage push fit connector to dispenser.
			4. Recommended Soap Supply System: Lovair auto soap foaming system.
		1. Wall Mounted L-480 Liquid Soap, Pump Operated: Stainless steel with Satin Chrome, Chrome and custom finishes.
			1. Dimensions
				1. Width - 1 inch

\* NOTE TO SPECIFIER \*\* Select the length required and delete the one not required.

* + - * 1. Length - 4-3/8 inches "
				2. Length - 6-5/16 inches
			1. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. Custom
			1. Stainless steel grade: ANC3-B
			2. Soap Feed System:
				1. L-FB1 Single Feed 1L
				2. L-ST Multi Feed 5L (Up to 3 users)
	1. SOAP DISPENSOR SYSTEMS
		1. Automatic Soap System: System60 Series automatic foam soap feed system. Foam soap dispenser system with adjustable doseage with a high capacity refill tank that can be mounted as far as 30 feet from the dispensers. System can feed anywhere from 1 - 10 soap dispensers from a single tank. Custom tank designs are also available.
			1. Features
				1. Central refill tank that can be over 30 feet from the soap dispensers giving an easy refilling solution.
				2. 60,000 uses per refil
			2. Mode/Size:

\*\* NOTE TO SPECIFIER \*\* Select the Model/Size required and delete the one not required.

* + - * 1. L-270001: Reservoir Size 1L, Users 1
				2. L-270002: Reservoir Size 5L, Users 2-4
				3. L-270003: Reservoir Size 15L, Users 3-6
				4. L-270004: Reservoir Size 25L, Users 4-10
				5. L-270005: Reservoir Size Custom, Users 5+
			1. Soap Type:
				1. Lovair Recommended Foam Soap or a suitable alternative
			2. Standard Dosage:
				1. 0.006 - 0.04 oz adjustable
			3. Power Supply
				1. 3 amp fused spur to transformer; low voltage push fit connector to dispenser.
		1. Manual Soap System: System5 Series to provide a basic refilling system for our manual soap dispensers. Able to feed up to 3 dispensers at once the manual system makes refilling an easier process.
			1. Features
				1. Suitable for where a power option is not available.
				2. Liquid soap only.
				3. Accepts most liquid soap.
			2. Mode/Size:

\*\* NOTE TO SPECIFIER \*\* Select the Model/Size required and delete the one not required.

* + - * 1. L-FB1: Reservoir Size 0.26 GAL , Users 1
				2. L-ST1: Reservoir Size 1.3 GAL, Users 1
				3. L-ST2: Reservoir Size 1.3 GAL, Users 2
				4. L-ST3: Reservoir Size 1.3 GAL, Users 3
	1. HAND DRYERS
		1. Deck Mounted Ribbon Hand Dryer: Model L-R131 Stainless steel with Satin Chrome, Chrome, and custom finishes.
			1. Dimensions
				1. Width - 2-1/4 inches
				2. Length - 8-7/8 inches "
				3. Height - 6-13/16 inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
			1. Stainless steel grade: ANC3-B
			2. Power Supply: 110 V, 3 core flying lead (live/ground/neutral).
			3. Sensor:
				1. Preset: 4-11/16 inches
				2. Min range: 2-6/16 inches
				3. Max range: 15-3/4 inches
				4. 2 second comfort delay
				5. 30 second security cut-off
			4. Noise Level: 58-78 dBA at 1m
			5. Power Usage: 800 watts
			6. Output: 75-100 m3/s (346-328 ft3/s)
			7. Drying Time: 12 Seconds
		1. Wall Mounted Hand Dryer Air Fury C1: Stainless steel with Satin Chrome, Chrome, and White finishes.
			1. Dimensions
				1. Width - 8-1/4 inches
				2. Depth - 7-5/16 inches "
				3. Height - 11-3/8 inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. W (White)
			1. Stainless steel grade: 304
			2. Power Supply: 110 V, 60 Hz, 12 amp
			3. Sensor:
				1. Range: 2-13 inches
				2. Preset: 7 inches
			4. Noise Level: 75-100 dBA at 1m
			5. Air Speed: 75-100 m3/s (246-328 ft3/s)
			6. Drying Time: 10-12 Seconds
		1. Recessed Wall Mounted Hand Dryer Air Fury L-R89: Stainless steel with Satin Chrome, Chrome, and White finishes.
			1. Dimensions
				1. Width - 9-7/8 inches
				2. Depth - 7-1/16 inches "
				3. Height - 1 foot 7-1/16 inches
			2. Finish:

\*\* NOTE TO SPECIFIER \*\* Select the finish required and delete the one not required.

* + - * 1. C (Chrome)
				2. CS (Satin)
				3. W (White)
			1. Stainless steel grade: 304
			2. Power Supply: 110 V, 60 Hz, 12 amp
			3. Sensor:
				1. Range: 4 inches vertically under outlet.
			4. Noise Level: 78 dBA at 39 inches
			5. Air Speed: 75-100 m3/s (246-328 ft3/s)
			6. Drying Time: 10-12 Seconds
		1. Wall Mounted Hand Dryer L-3000: NO DATA
		2. Recessed Hand Dryer L-M9: L-M9 Combination recessed high speed hand dryer module with a depth of 3 15/16", and a 17 second drying time.
			1. Recessed design
			2. Low Energy
			3. Quiet Unit
			4. Type 304 Stainless Steel with a Satin Finish.
			5. Voltage: 110 V, 50 Hz, 1.8 kW
			6. Output Air Temperature: 129 and 68 degrees F.
			7. Noise Level: 71dB
			8. Air Speed: 28 m/s (91 ft/s)
	1. TOWEL DISPENSERS/ WASTE BINS
		1. Recessed Waste Bin: L-M10 Combination Waste Bin is a recessed waste bin module with a depth of 3-15/16 inches, and a 4.4 GAL capacity.
			1. Face Dimensions: Nominal 15-1/16 inch wide by \_\_\_ inches high by 3-15/16 inches deep
			2. Recessed design
			3. Good capacity of 4.4 GAL
			4. Concealed locking mechanism
			5. Type 304 Stainless Steel with a Satin Finish
		2. Recessed Paper Towel Dispenser L-M8: L-M8 Combination Paper Towel Dispenser recessed paper towel module with a depth of 3-15/16 inches, and a 600-800 paper towel capacity.
			1. Face Dimensions: Nominal 15-1/16 inches wide by 22-13/16 inches high by 3-15/16 inches deep.
			2. Recessed design
			3. Concealed locking mechanism
			4. Type 304 Stainless Steel with a Satin Finish
		3. Behind The Mirror Paper Towel Dispenser: LR-99 behind the mirror paper towel dispenser which is loaded through the base and has a 500-700 paper towel capacity.
			1. Face Dimensions: Nominal 9-7/16 inches wide by 19-1/16 inches high by 4-3/4 inches deep
			2. Features:
				1. Paper towel loading through the base
				2. 500-700 paper towel capacity
			3. Recessed design
			4. Concealed locking mechanism
			5. Type 304 Stainless Steel with a Satin Finish
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly prepared.
		2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
		3. Verify electric power is available and of correct characteristics for specified equipment.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
		3. Rough-in fixture piping connections for specified fixtures.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions and approved shop drawings. Install components to be plumb, level, and rigid. Neatly scribe to adjoining surfaces, and field trim as required for snug fit.
		2. Install supports attached to building structure for equipment requiring supports.
		3. Make plumbing and electrical connections.
		4. Verify proper operation.
		5. Adjust stops or valves for intended water flow rate to fixtures.
		6. Install equipment level, plumb, and firmly in place in accordance with manufacturer's rough-in drawings.

\*\* NOTE TO SPECIFIER \*\* To comply with ADA standards for reaches and clearances: for standard height mounting, mount bowl with rim height 34 inches (864 mm), maximum, above finished floor; for juvenile height mounting, mount bowl with rim height 31 inches (787 mm), maximum, above finished floor. To comply with TAS standards for reaches and clearances for juvenile users: for Pre-K thru grades 5 or 6, mount bowl with rim height 30 inches (762 mm), maximum, above finished floor; for grades 6 thru 9, mount bowl with rim height 32 inches (813 mm), maximum, above finished floor. Select one of the following four paragraphs and delete those not required.

* + 1. Mounting Height: As required to comply with ADA.
		2. Mounting Height: As required to comply with TAS.
		3. Mounting Height: As indicated on Drawings.
		4. Mounting Height: \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
	1. CLEANING AND PROTECTION
		1. Protect installed products until completion of project.
		2. Clean unit surfaces, and leave in ready-to-use condition.
		3. Turn over keys, tools, and maintenance instructions to Owner.
		4. Touch-up, repair or replace damaged products before Substantial Completion.
	2. TESTING AND ADJUSTING
		1. Test each piece of equipment to assure proper operation, freedom of movement, and alignment. Install new batteries in battery-powered items.
		2. Repair or replace malfunctioning equipment, or equipment with parts that bind or are misaligned.
	3. PROTECTION
		1. Protect installed products until completion of project.
		2. Do not permit use of fixtures before final acceptance.
		3. Touch-up, repair or replace damaged products before Substantial Completion.
	4. SCHEDULES

\*\* NOTE TO SPECIFIER \*\* Retain Paragraph below if required to suit project requirements. Identify products by name on the Drawings or use this paragraph to define the location of each type of material to be used. The following are some examples of schedule references. Edit as required to suit project or delete and identify products on the Drawings.

* + 1. :
		2. :

END OF SECTION