



HALCO PRODUCTS COMPANY

100 N. Gordon Street – Elk Grove Village, IL 60007-1193

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E-Mail: info@halco-products.com Website: www.Halco-Products.com

PASS-THRU SPECIFICATION

Section # _____ Lab “Specialties” Pass-Thru Module

Part I General

1.01 Description:

- A. Pass-Thru to provide airtight enclosure to allow passing and handling of samples from outside to inside of Lab/clean room without causing possible cross contamination of either side.
- B. Unit Size: As shown on drawings and bill of material listings.
- C. Operation: In accordance with USP 797 And any applicable specification for this specific project as noted on drawings and here in the specifications.

1.02 Submittals:

- A. Submit shop drawings showing plan and elevation views with overall and interconnecton point dimensions.
- B. Product Data: Submit data sheets; component cuts and specific detail drawings for subcomponent items unique and part of specified unit.
- C. Installation Instructions: Submit placement and configuration drawings; utility connection requirements; if any; job specific instructions and description.
- D. Manufacturer’s Certificate: Certify that product will meet or exceed specified requirements. Unit to be factory tested and certified prior to shipment.

1.03 Close Out Submittals:

- A. Section 01700-Execution requirements close out procedures.
- B. Operation and Maintenance Data:
Submit start-up instructions, maintenance data, parts lists, controls and accessories.

1.04 Qualifications:

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum of 10 years experience. Model number as shown in schedules.
- B. Installer: Company specializing in performing work of this section with Minimum three (3) years documented experience approved by manufacturer.

1.05 Delivery, Storage, Handling:

- A. Section 01600 product requirments: Product storage and handling requirements.
- B. Accept Pass-thru Modules on site in factory packaging and inspect for damage.
- C. Protect Pass-thru Modules from contamination by storing in clean “Project Manager Approved” location.

1.06 Field Measurements:

- A. Verify field measurements prior to fabrication

1.07 Warranty:

- A. Section 01700 Execution Requirements: Product warranties and product “As-Built” drawings and manuals.
- B. Provide (1) one year warranty from date of acceptance on unit and all subcomponents against defects in material and workmanship.



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Part 2 Products

2.01 Pass-Thru and Specialties:

- A. Manufacturers: Shall have a minimum of TEN (10) years experience fabricating this type of product.
 - 1. Halco Products Company, Elk grove, Illinois 847-956-1600
 - 2. _____
 - 3. _____
 - 4. Substitutions: Section 01600-Product Requirements.

2.02 Usage and Isolation Level:

- A. Pass-thru shall be utilized in a laboratory/clean room rated at _____(insert rating) i.e. BSL 1,2,3 or 4 or class/ISO rating _____ (insert rating) and shall be designed for such use.

2.03 Purging, Isolation, Decontamination, Control Within the Pass-Thru:

- A. Pass-Thru shall include mechanical interlock. Unit shall comply with USP 797 .

2.04 Doors:

- A. Pass-Thru shall have swing type doors. Doors to be Stainless steel with Pivot hinges, viewing windows and ¼ turn latches.
- B. Doors to be mechanically interlocked to avoid having both doors open at the same time to avoid contamination cross over.
- C. Seals to be Standard closed cell gasket
- D. Pass-Thru to be fired rated for ZERO (0) hours.

2.05 Materials of Construction:

- A. Pass-Thru to be constructed of double turned 321 stainless steel #4 Satin finish.

2.06 Specialties:

- A. Pass-Thru module to include support brackets for proper support of module, wall trim to close off opening as well as sloping top of matching Stainlees steel to avoid any flat surfaces. Sloped top to be measured exactly in field by contractor to insure proper fit prior to installation.

Part 3 Execution

3.01 Examination:

- A. Verify that area and surfaces are ready to recieve and accept unit installation and field dimensions are as shown on drawings prior to starting installation.
- B. Verify that proper required utilities are available and in proper location and ready for use.
- C. Beginning of installatin means installer accepts existing conditions.

3.02 Installation:

- A. Install in accordance with manufacturer’s instructions.

3.03 Field Quality Control:

- A. Field inspection and testing will be performed under provisions of general conditions.
- B. Unit to be cleaned and tested and validation report submitted to project manager for files and future reference.

END OF SECTION # _____