Division 10

Section 10 26 00

PART 1 - GENERAL

* 1. RELATED DOCUMENTS
1. Include all appropriate Detail Drawings, as well as General and Supplementary provisions of the contract that apply to this section.
	1. SUMMARY
2. Section Includes:

1. Stainless Steel Standard Sani-Panel™ – Wall Protection

2. Stainless Steel Diamond Plate Sani-Panel™ - Wall Protection

1.3 REFERENCES

 A. American Society for Testing Materials (ASTM)

 B. NAAMM’s “Metal Finishes Manual for Architectural and Metal Products”

1.4 SUBMITTALS

A. Product Data Sheets

B. Detail Drawings to include all installation requirements. Mechanical mounting to include recommended fasteners. Adhesive mounting to include recommended adhesive type and application pattern.

C. Shop Drawings: Drawings should show locations and elevations. All methods of Sani-Panel™ attachments and sealing. Show sizes and locations of all penetrations for attachments.

C. Samples: Submit manufacturer’s standard stainless-steel sheet in specified finish.

 1. For verification purposes, samples should be 12” (304.8mm) long.

 2. Samples should be of each type specified.

3. Manufacturer’s Safety Data Sheets (SDS), LEED Documents, pertinent test documents, and maintenance instructions.

1.5 QUALITY ASSURANCE

A. Manufacturer shall have a minimum of 5 years proven experience in the design, engineering, and fabrication of specified products. Obtain all materials from a single source manufacturer.

 B. Installers must either be the manufacturer’s own installation group, or experienced installer.

1. Installers are required to have a minimum of 5 years’ experience in the installation of specified products.

C. Furnish material test data to verify the alloy composition of the panels and components to be utilized on this project.

D. Fire Rating: Specified Sani-Panel™ should meet Class “A” (1) as tested per ASTM E-84 Flame and Smoke Spread.

E. Code Compliance: Specified Sani-Panel™ should meet all Federal, State and Local Building Codes where applicable.

1.6 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in manufacturer’s original and unopened packaging. Materials should clearly show Product Name, Manufacturer’s Name, and any Project Specific Designations.

 B. Store Sani-Panel™ and accompanying materials in an area protected from the elements.

 1. Store materials in unopened factory packaging to prevent damage.

 2. Inspect all direct job-site deliveries to assure quantities are correct, and there is no damage from shipping or handling,

1.7 PROJECT CONDITIONS

 A. Environmental Limitations: Buildings are to be fully enclosed, with sufficient heat/air conditioning (60o and 75o F), ventilation consistent with safe working conditions, and relative humidity control between 35-60 percent.

1.8 WARRANTY

A. Manufacturer should offer limited lifetime warranty against material and manufacturing defects. Installer should offer minimum of a one-year warranty for installation.

PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

 A. Basis of Design: Life Science Products, Inc., 124 Speer Road, Chestertown. MD 21620. 800-638-9874 | Website: [www.lspinc.com](http://www.lspinc.com) | Email: info@lspinc.com

2.2 MATERIALS

A. Stainless Steel: Fabricated from a Type 304 Alloy (or 316L as specified) and either a Smooth Face or Diamond Plate pattern in a #4 Satin Polish finish, or finish as specified.

B. Standard Sani-Panels™ to be flat 16 GA (.060”/1.5mm) or other thickness from 12GA to 20GA as specified by the architect.

C. Material specifications shall conform to ASTM A-276 (Standard Specification for Stainless Steel Bars and Shapes).

2.3 FABRICATION

A. Fabricate impact-resistant wall protection sheets to comply with requirements indicated for design, dimensions, and sizes, including thickness of components.

B. Fabricate with tight seams and joints of either ½” Overlapping Joints, Butt Joints, or Trimmed Joints as specified by the architect. If trimmed joints are specified, provide all Inside Corners, Outside Corners, Seam/Edge Trim to match panel finish.

C. Fabricate Width and Height as specified on drawings. Standard Sani-Panel™ dimensions are 4’- 0” x 8’- 0” (1,219mm x 2,438mm). Optional dimensions available to be chosen by the architect are 4’- 0” x 10’- 0” (1,219mm x 3,048mm) or 4’- 0” x 12’- 0” (1219mm x 3,657mm). Architect may specify custom width and height. Fabrication tolerance 1/8”.

D. Provide surfaces free of wrinkles, chips, dents, scratches, or other finish imperfections.

E. Panels to be safety packaged to minimize scratches and packed in plywood crates for shipping to the site. Faces should be protected by PVC film.

F. Fabricate and assemble components within manufacturer’s factory to the greatest extent possible to minimize field cuts, drilling of holes or any field modifications required for final assembly.

G. If mechanical fastening is required, architect should choose from 12 Inch O.C. Max, 16 Inch O.C Max, or 24” Inch O.C. Max, or custom hole pattern and hole diameter as specified..

2.4 METAL FINISHES

 A. Comply with NAAMM’s “Metal Finishes Manual for Architectural and Metal Products”.

B. Protect finishes on exposed surfaces from damage by providing a removable, temporary protective covering before shipping.

PART 3 – EXECUTION

3.1 EXAMINATION

A. Examine condition and quality of wall surface where Sani-Panel™ will be installed.

1. Verify suitability of substrate finishes for compatibility with recommended adhesive on adhesive mount applications.

2. Verify a solid backing of blocking or metal stripping has been installed at the proper locations and elevations to ensure a secure attachment point for mechanical fasteners when a mechanical installation is required.

B. Ensure the entire area is completely prepared for the Sani-Panel™ installation. If any portion is deemed unsuitable for the proper installation of the panels, notify the Site Supervisor and the Architect.

3.2 PREPARATION

A. General Surface Preparation: Prior to installation, remove any debris, grease or oil, dirt or dust, and any protruding particles or fragments.

3.3 INSTALLATION

A. General: Install impact-resistant Sani-Panel™ at the height and position indicated on the detail drawings.

B. Sani-Panel™ should be installed level and plumb. Remain true to the installation line without variance or distortions.

C. Provide trims, mounting hardware, and required accessories for a complete installation.

D. Remove temporary protective coverings prior to final walk through.

3.4 CLEANING

A. Remove excess adhesive and clean panels according to instructions provided by the manufacturer.

END OF SECTION 10 26 00