

LSP – Stainless Steel Sani-Panel™ – Satin and Diamond Plate Finishes

Division 10
Section 10 26 00

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Include all appropriate Detail Drawings, as well as General and Supplementary provisions of the contract that apply to this section.

1.2 SUMMARY

- A. 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.

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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 (60° and 75° 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.

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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 | 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" (1,219mm 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..

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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