



MODULAR STAINLESS STEEL WALL SYSTEM PRODUCT SPECIFICATIONS (NON BIOSEAL APPLICATIONS) FOR USE AS MECHANICAL ISOLATION.

Copyright 1941-2024 Berlin Food & Lab Equipment Co. - All rights reserved

1.0 MATERIALS OF CONSTRUCTION

A. Flat Coil Mil Certified & Tested ASTM-A240M-304/304L & Flat Coil ASTM-A240M-*316/316L. *Alternate

1.1 SPECIFICATIONS PANELS

A. Modular wall fixed & removable panels are standard Stainless Steel T-304 #4/25RA or better 16ga gauge, 0.065" or thicker and no wider than 44" wide because of sheet procurement size max of 48". Stainless Steel T-316 #4/25RA or better 16ga gauge, 0.065" is also optional upon request.

B. Mod walls are all self-supporting between a bottom integrated floor and ceiling plate typically 4"-6" in height and typically made from Stainless Steel T-304 #4/25RA or better 16ga gauge, 0.065"

1.2 REFERENCE PANELS & DOORS

A. Access panels/doors are 1" - 1-½" thick max with either a single or double pan design construction. Depending on application either lift off hinges, piano hinges or recessed hinges will be used. gasketed doors will be determined by application including access door hardware. Typical installation is 3/16 closed cell perimeter gasket with a compression latch door handle.

B. All panels are double formed on all edges for rigidity and durability around all 4 sides for a seamless clean look. Typical panel depth is 1-1/2" and panel thickness is Stainless Steel T-304 #4/25RA or better 16ga gauge, 0.065".

C. Panels are attached top and bottom with a sill/ceiling runner using an adjustable pinch c-clamp then a stainless full through bolted connection for rigidity.

1.3 REFERENCE GLASS PANLES & LOUVERS

A. Berlin window systems windows are ½ thick insulated clear tempered glass and supplied with fixed stainless-steel trim on all four sides. B. ASTM C 1048 - Standard Specification for Heat-Treated Flat Glass - Kind HS, Kind FT Coated and Uncoated Glass.

B. Louvered door vents are double-sided 16 gauge 0.060" or thicker stainless steel with four horizontal louvers.



MODULAR STAINLESS STEEL WALL SYSTEM PRODUCT SPECIFICATIONS (NON BIOSEAL APPLICATIONS) FOR USE AS MECHANICAL ISOLATION.

Copyright 1941-2024 Berlin Food & Lab Equipment Co. - All rights reserved

1.4 INSULATION & BONDING

A. Insulated panels are typically not provided but will need to be requested upon design. We typically use an 1-1/2 thick bonded adhered panel by Owens Corning R-10, 2-in x 4-ft x 8-ft FOAMULAR NGX F-250 Unfaced Polystyrene Board. Water resistant & Energy start certified. If the inside of the insulation needs to be faced/covered we offer a 22gauge cover panel that will also be stud welded and bonded to the back of the panels.

1.5 PANEL & DOOR HARDWARE ANCHORS

A. Berlin supply's Stainless steel 18-8 hardware for all attachments points ceiling and floor details plus applicable compression locks/handles as needed for access points. Anchor points will need 6" centered 18ga or better backing walls/ceiling drywall or soft wall painted/epoxied area. Floor base concrete attachment 3/8 x 2-1/2 embedment for Hilti redhead anchors.

1.6 APPLIANCE AND CONTROL CUT OUTS

A. Where applicable cut outs will be provided for electronic controls, pass-through, & equipment. Either a formed edge around the perimeter, hem cap or angle trim will be provided to ensure a clean fit.

1.7 DELIVERY, STORAGE & HANDELING

A. Store products in the manufacturer's unopened packaging until ready for installation.

B. For storage more than 30 days or during high temperatures store products indoors in a properly ventilated location until project conditions are ready for installation. DO NOT leave product exposed to high heat or direct sun prior to installation.

C. Protect finished surfaces from soiling or damage during handling and installation. Keep covered with polyethylene film or other protective coating. Note that prolonged storage in hot environments will cause polyethylene film to bond to the surface making it unremoveable. If this occurs panels will need to be replaced.

1.8 PROJECT SITE CONDITIONS

A. 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.