

FULL DETAILED SPECIFICATION

APPENDIX 2

LABORATORY STAINLESS STEEL WORKSURFACE

MOTT MANUFACTURING LTD.

SIGMA SYSTEMS™

Revision 0, effective 5 November 2003

APPENDIX 2 - LABORATORY STAINLESS STEEL WORKSURFACE

A2 STAINLESS STEEL WORKSURFACE

- .1 Material: 18 Gauge, 316 stainless steel with a #4 brushed finish.
- .2 Methods: All factory welds shall be made using the TIG process. Filler rod shall be of the same composition as the base material.
- .2 Tops: Form tops with 1.25" high (32mm) edges with 0.5" (12mm) return flange. Reinforce with wood core or metal hat channels as required. Form edges, flanges and backsplashes integrally from one sheet of steel. Intersections between backsplashes and work surface shall be radiused a minimum of 0.375" (9mm).
- .3 Sink Tops: Form tops with 1.25" high (32mm) edges with 0.5" (12mm) return flange. Marine edges shall integrally formed on all edges. Marine edges shall be 1" (25mm) wide and 0.25" (6mm) high. Work surface shall be reinforced with wood core or metal hat channels as required. Form edges, flanges and backsplashes integrally from one sheet of steel. Intersections between backsplashes and work surface shall be radiused a minimum of 0.375" (9mm).
- .4 Sink Bowls: Sink bowls shall be made of the same material as the work surface and shall be of equal or greater thickness. Sinks bowls shall be formed from one piece of steel with all inside corners radiused. Welds shall be hammered, ground and polished to produce a smooth, invisible joint. Sinks shall be welded into the work surface and welds shall be ground and polished to produce a smooth, invisible joint.
5. Joints: Factory welds shall be ground and polished to provide an invisible joint. Field connections shall be mechanical "tongue and groove" interlocking design with concealed bolts to provide a hairline seam.
6. Sound Deadener: Countertops and sinks shall have sound deadening material applied to the underside. Nominal thickness shall be 0.062" (1.5mm). Sound deadener shall be waterborne, non flammable and shall contain no volatile organic compounds.