

Architectural and Engineering Specifications

Modular Connector Panel System

All connector panels shall be fabricated from 1/8" thick aluminum and shall be anodized black. Panels shall utilize a modular configuration, whereby individual panels holding a number of connectors or controls are combined to make a functional interface. All panels shall be 6" in height and in multiples of 7/8" in width.

Panels shall be mounted using 10-32 machine screws into fabricated frames and/or enclosures/chases which shall serve the purpose of mounting the panels and providing cable management. All shall be fitted with aluminum extrusions that shall provide recessed mounting of the panels.

Provide and install Surface mounted enclosures / chases as indicated on plans. Surface mounted enclosures / chases shall be fabricated from aluminum extrusion and mild steel, which has been painted with a mat and textured black powder coat. Surface mounting enclosures / chases shall be factory assembled and proved with label / trim strips to cover panel mounting screws.

Provide and install 19" rack mount adapters as indicated on plans. Rack mount adapters shall be fabricated from aluminum extrusion and folded 1/8" aluminum end brackets which has been painted with a mat and textured black powder coat. Rack mount adapters shall be factory assembled and proved with label / trim strips to cover panel mounting screws.

Provide and install connector / control panels in enclosures, ring and rack adapter as indicated on plans. Provided engraved legend for each connector / control or group as indicated on plans. Provide blank panels in sufficient quantities to fill out connector / control interface.

Provide cable strain-relief separate from the connector itself for each and every cable terminated to a panel. Cable tie-bar shall be integrally to mounted panels such that if an individual panel is removed, the strain-relief is removed with the panel. Connector / control panels shall be manufactured by SigT, Inc located at 1320 E. Saint Andrew Place, Unit D, Santa Ana, CA 92705. (714)641-5665 voice, (714)641-5664 fax.

Low Voltage and Signal Connector Chases

In locations where flush mount connector chases are called for, as indicated on drawings, provide 6" tall by 4" deep flanged wire-way in the length called for in the low voltage signal plan. The wire-way shall be B-Line Type 1 Screw Cover Wire-way or equivalent. Typical part numbers are Cat #6424 G for a 24" length or CAT #6436 G for a 36" length. Provide and install closed end caps. Install wire-way so that the face of the flanges is flush with the finished wall surface (or finished acoustical treatment), with the open, flanged side out. Wall surface shall unobstructed for 3" minimum above and below and besides the opening. Where chases are installed in acoustical walls, caulking, mastic encapsulation or gypsum board enclosures may be

required to avoid compromising the acoustical integrity. Coordinate with the project acoustical consultant for specific recommendations on sealing and treating all wire-ways to avoid noise transmission. Provide cable access through conduit or wire-way as indicated in the low voltage plan. Vacuum and remove all debris from inside all wire-way and conduit. Install covers over all conduit and chases to prevent construction debris from entering. Chases should be free of all sharp objects, including, but not limited to crews, nails etc.