DESIGN STANDARDS FOR: GUTTERS - (PREFABRICATED ALUMINUM)

MATERIALS: Gutters shall be 3105-H24 or 3105-H26 Aluminum and shall be continuous and seamless (minimum tensile strength 26,000 psi, minimum yield strength 25,000 psi) or equivalent.

SHAPE, SIZE AND THICKNESS: Five inch "OGEE", 0.32" thick, equivalent or better. End caps to be 0.27" gauge.

PAINT AND PROTECTIVE COATING: Finish shall be a two-coat acrylic finish applied in a two-phase operation which should include a corrosion-inhibiting primer and a baked-on acrylic topcoat. Inside of all gutters and downspouts shall be coated with corrosion-inhibiting finish.

COLOR: As approved by the Consultant and SPR Architect.

SEALANT: Clean silicone or color matching silicone sealant is to be used at all joints.

HANGER: If the rafters are at 2'-0", there shall be a spike and ferrule at each rafter end (minimum penetration shall be 2" into the rafter tail).

COMMENTS:

1. All joints are to overlay 3" held by six rivets and to be sealed with silicone sealant.
2. All round downspouts shall be plastic (PVC) pipes and shall be a minimum of 3" diameter.
3. All rectangular downspouts shall be of pre-finished metal and shall be a minimum of 2”x 4".
4. The gutter should be installed with sufficient slope and downspouts so that no overflowing occurs. It should be free from standing water when the rain stops.
5. All gutter drops into downspouts shall be the size of the downspout.
5. When installed on steel buildings, the aluminum gutters should be protected from vibration damage by the steel building.
6. The gutters should have a minimum of 20 year, prorated factory warranty.

END OF SECTION