

## DIVISION 05 00 00—Metals

### FORMAT

1. Technical specifications content and numbering system shall be based on the most current CSI Master Format.

### BASIS OF DESIGN

1. APSU design standards shall not replace fully developed, project and market specific technical specifications, with 3 manufacturers unless indicated otherwise, e.g., Stanley CorMax. Associate shall utilize the standards as a minimum standard to guide the design.
2. Design guidelines supplement building, fire, and other health, safety and welfare codes, and represent practices APSU has adopted regarding the built environment. Where conflicts arise between codes and guidelines, codes take precedent.
3. Coordinate deviation from guidelines with the University Design and Construction (UDC) Department.

### GENERAL PROVISIONS

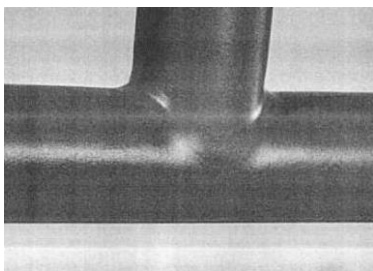
1. Reserved

### 05 40 00—COLD-FORMED METAL FRAMING

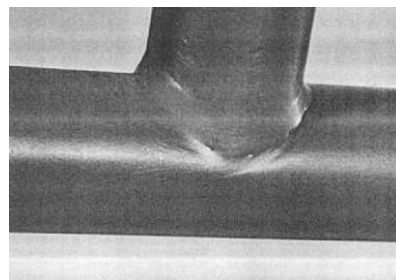
1. Studs and furring strips shall be a minimum 20 gauge, spaced maximum 16 inches on center. Studs and furring strips subjected to moisture shall be galvanized.

### 05 50 00—METAL FABRICATIONS

1. GALVANIZING REQUIREMENTS: All exterior ferrous metals shall be hot-dip galvanized after fabrication.
2. Tube shall be 1 ½" outside diameter, schedule 40, hot-dip galvanized. Hot-dip galvanizing vent holes shall be installed in the underside inside corners; be no larger than 3/8", drilled, filed or ground smooth; for a neat clean appearance. Holes shall not be cut with a torch.
3. Railing shall be shop fabricated and assembled per approved shop drawings to the greatest extent possible.
4. Welds shall be Finish 1 or Finish 2 finishes, based on National Ornamental & Miscellaneous Metals Association (NOMMA), per the images below:



Finish #1—No evidence of a weld joint



Finish #2—Completely sanded joint, some undercutting and pinholes okay

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5. Except for ADA railing extension, change in direction shall be made by mitering and welding, not by bending.
6. The edge of the coring shall be a minimum 1 ½" from the edge of concrete.
7. Finish shall be powder coated polyurethane meeting AAMA 603 requirements.
8. Field splices to be minimized as much as possible. Field splices are to be made with internal splice sleeves, field welded and ground smooth.
9. Field splices shall be primed and painted to match powder coating with paint supplied by powder coater.
10. Railing shall be set at a minimum of 6" in non-shrink, non-metallic grout.

**END OF SECTION**