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SECTION 05000 — METALS

PART 1 – GENERAL

1.01 EXTENT OF SECTION

- A. This section contains the requirements relating to light gage metal framing, cold-formed metal framing, and metal fabrications (except as used with roofing).
- B. The intent of the PCSB STANDARDS is for the DESIGN PROFESSIONAL (DP) to comply with the minimum general project requirements and the specific project specifications shall be generated and provided by the DP.

1.02 LIGHT GAGE METAL FRAMING:

- A. INTERIOR WALLS:
 - 1. Metal framing shall be used for interior wall partitions. The use of wood framing is not acceptable.
 - 2. Steel studs shall be 20 gauge. No substitutes allowed.
 - 3. All metal stud framing shall be spaced a maximum of 16-inches o.c.
 - 4. Recommended galvanized $\frac{7}{8}$ -inch hat channels used to fur out existing CMU walls.

1.03 COLD-FORMED METAL FRAMING:

- A. WHERE ALLOWED;
 - 1. The use of structural cold-formed metal-framed exterior backup walls is permitted and shall meet criteria as outlined in the latest edition, Brick Institute of America (BIA).

1.04 METAL FABRICATIONS:

- A. STAIR NOSINGS: All stair treads for exposed concrete shall have a nosing with minimum 4-inches wide abrasive non-slip surface, and heavy-duty aluminum frame. For interior treads see Section 9000 Finishes.
- B. HANDRAILS/ GUARDRAILS (STEEL PIPE):
 - 1. This section includes all railings required inside and outside the building at stairs, ramps and tops of walls.
 - 2. **For Stainless Steel Railing System**, specify stainless steel railing system, all mechanical fasteners used in the assembly of the railing system shall be manufactured from stainless steel. For posts set in concrete, furnish matching sleeves or inserts not less than 5-inches long. Aluminum or powder coat finishes are acceptable.
 - 3. **For Pipe Railings**, specify and detail painted steel handrails and railings on the interior of the buildings and either Class II, clear anodized aluminum or steel with Tnemec paint or powder coating for the exterior.
- C. BOLLARD POST shall be 6-inches dia. standard steel pipe welded assembly, galvanized, set in concrete footings as indicated in DP Design and Construction



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Documents. Fill with concrete, leaving top rounded and smooth, see Section 9000 for Paint preferences.

- D. METAL PLATE COVERS FOR ALL BUILDING EXPANSION JOINTS over $\frac{3}{4}$ -inch and exposed to view shall be provided as specified per application of FBC, Reference Standards and Manufacturer's Installation Recommendations.

END OF SECTION