APPENDIX I

STANDARD DRAWINGS COLD-FORMED STEEL

This Appendix links designers to a standard CADD library of Cold-Formed Steel details in Intergraph format that are for general information only. These details are available to designers for use in Military design projects. They were developed originally by AISI for residential construction and should be modified according for larger projects. They include typical; floor, roof, and wall framing, plans and elevations. Also included are typical roof truss elevations, and connection details for floors, walls, openings, and roofs. Connection details can be fastened using bolts welds, or screws. Punch-outs are not shown but are acceptable and vary in size and configuration based on the manufacturer. Additional design and detailing is required before this information can be used in construction documents. Neither the Corps of Engineers nor AISI is responsible for the proper use of this information. Before specifying or using cold-formed material a competent Structural engineer shall design and check the adequacy of the design and any cold-formed component used in the design. Anyone using this information assumes all liability arising from such use.

Details for moisture protection, thermal insulation, seismic conditions, and high wind conditions are special requirements that need to be considered in any design using cold-formed steel. Designers shall use the information from Chapter 4 and Appendix G when designing for moisture protection and thermal insulation of steel stud systems.

Standard Detail Drawings for Cold-formed Steel Systems:

Stls 101.pdf: Schematic

Stls 102.pdf: Exterior Walls

Stls 103.pdf: Exterior Walls

Stls 104.pdf: Interior Framing Detail

Stls 105.pdf: Roof Member Connections

Stls 106.pdf: Framing Details for Floor and Wall Openings

Stls 107.pdf: Special Reinforcement Bridging, Blocking, & Miscellaneous

Stls 108.pdf: Special Reinforcement Bridging, Blocking, & Miscellaneous

Stls 109.pdf: Special Reinforcement Bridging, Blocking, & Miscellaneous