



Product Specification and Submittal Form

SPECIFICATION AND CODE INFORMATION

This submittal is for Engineers, Architects, Contractors and Professional for the purpose of submitting STEELER INC. products for review and approval.

Specification and Code:

2006 International Building Code (IBC)
North American Specification for the Design of Cold-formed Steel Structural Members, NASPEC
Gypsum Association Fire Resistance Design Manual
Underwriters Laboratories Inc. -- Fire Resistance Directory
ICC-ES ESR-2054, dated November 1, 2009
ICC-ES ER-4943P, dated September 1, 2001
City of Los Angeles (COLA) Research Report 25529

Material Specifications:

STEELER INC. products are cold-formed shaped manufactured from steel coils meeting ASTM A653/A653M-06 or ASTM A1003/A1003M-05 Specifications from Grade 33 to Grade 50 with material thicknesses from 18 mils (0.0179 inches) to 118 mils (0.1180 inches). Grade 33 ($F_y=33$ ksi, Yield Strength) is standard for thicknesses from 18 to 43 mils and no strength identification marking is required. For material strength greater than 33 ksi, members shall be marked legibly in the web identifying the material yield strength.

Corrosion Protection:

STEELER INC. products have protective coating specified as G40, G60, and G90 coating designations. Material thicknesses from 18 to 30 mils have G40 coating and 33 mils to 118 mils have G60 coatings. G90 coating is a special order and is available for some material thicknesses. Other coating finishes A40, A60, G40 painted, G60 painted and G40 black paint are available.

Design Specifications:

STEELER INC. products are design in accordance with 2001 NASPEC and 2004 Supplement Specifications.

Material Tolerances:

STEELER INC. products comply with manufacturing tolerances listed in ASTM C955 for structural members and ASTM C645 for non-structural framing members.

Product Identification:

STEELER INC. products are identified with legible stamps spaced at a maximum of 24 inches on center located on the web of the framing member in accordance with ASTM C654, C955, A1003, and AISI S102-07 Specifications.

Product Part Number:

STEELER INC. product part number system has adopted the standard designator system for identifying cold-formed steel framing members. This system is similar to SSMA product identifications with the final part number S=Steeler, A=SSMA to distinguishing the two products; see STEELER Part Number Specifications.

Punch-outs:

STEELER INC. products have web punch-out as shown in Figure 1 of ICC-ES ESR-2054 Report. Punch-outs are not available for member with 97 mils and thicker unless specially ordered.

Mill Test Certificate:

STEELER INC. products upon request will supply Mill Test Certificates.