



Subject: 08 11 13 Specification Compliance

CURRIES’ product quality and performance is equal to or exceeds the manufacturers listed in most 08 11 13 Specification. 16 gauge top and bottom caps must be specified when ordering exterior doors. Continuously welded, seamless frame joints must be specified when ordering.

Manufacturers listed in the 08 11 13 Specifications that are members of the Steel Door Institute (SDI) comply with the SDI standards. CURRIES is an active member of the SDI and has developed products meeting applicable commercial hollow metal material, fabrication, and performance standard requirements including: HMMA, ANSI, ANSI/DHI, ASTM, SDI, and NFPA.

The specific sections of the Section 08 11 13 specification have been reviewed as follows:

Section 2.2 Materials

A, B, C Steel used in CURRIES products meet ASTM requirements listed in ANSI A250.8. Cold rolled, hot rolled, galvanized, galvanized, and stainless steel products are summarized:

CURRIES' PRODUCT USES	MATERIAL GAUGE	STEEL TYPE	ASTM DESIGNATION
Doors Frames E1 Coverbox w/Integral Tabs	20, 18, 16, 14 18, 16, 14, 12 16	Cold Rolled	A568/A568M A1008/A1008M ^A
Reinforcing Door Hinge/Lock Channels	11, 7 14, 12, 10	Hot Rolled	A568/A568M A1011/A1011M ^A
Doors Frames	20, 18, 16, 14 16, 14, 12	Galvanized G90	A653/A653M
Doors Frames Snap-In Top Caps	20, 18, 16, 14 18, 16, 14, 12 24	Galvanized A40 and A60	A653A653M A1011/A1011M ^B
Doors Frames	20, 18, 16, 14 18, 16, 14, 12	Stainless Steel #304	A480/A480M

^A formerly ASTM A569, CURRIES product complies with ASTM A569 and ASTM A1008

^B formerly ASTM A366 and ASTM A620, CURRIES product complies with ASTM A366, ASTM A620, and ASTM A1011

CURRIES • 1502 12th Street • Mason City, IA • 50401-1814
Mailing Address: P.O. Box 1648 • Mason City, IA 50402-1648
Phone: 641-423-1334 • Fax: 641-424-8305 • Website: www.curries.com

Section 2.3 Doors

A, B, C CURRIES 16 gauge, 707, S-Edge doors meet the requirements of ANSI A250.8, Level 3, Physical Performance Level A. Door edge seams can be prepared as as Model 1 (full flush with edge seam) or Model 2 (seamless) and remain compliant with Level 3. In fact, 18 gauge (0.043", Level 2) 707 series doors meet the Level A requirements as indicated:

Test Levels & Cycles (ANSI A250.4)					
CURRIES Door Type and Frame Type	Level C 250,000	Level B 500,000	Level A 1,000,000	Beyond Level A 1,500,000	Beyond Level A 2,000,000
16 ga. (0.053"), 707 door, S-Edge ^A					
18 ga. (0.043") 707 door, S-Edge					
16 ga. (0.053"), 5-3/4" jamb depth, KD drywall slip-on frame with compression anchor and standard base anchors					
16 ga. (0.053"), 5-3/4" jamb depth, KD masonry frames and anchors					
18 ga. (0.043"), 607 door, S-Edge					
20 ga. (0.034"), 707 door, S-Edge					

^A ANSI A250.8 only requires a 3'0" x 7'0" door, but CURRIES tested a 4'0" x 7'0" door. In spite of the increased potential for failure, the CURRIES door exhibited exceptional performance.

D Vision Lite Systems: lite kits are available for 3/8", 5/8", 7/8", and 1-1/8" thick glass

Section 2.4 Frames

B, C Steel doors installed in 16 gauge (0.053") or 14 gauge (0.067") frames meet ANSI A250.8, Level 1-4 requirements. 12 gauge (0.093"), 14 gauge (0.067"), 16 gauge (0.053"), or 18 gauge (0.042") frames can be provided for use with steel or wood doors.

D Door Silencers: frame stops can be fabricated to accept three silencers on single door frames and two silencers on double door frame heads.

E Steel Plaster Guards: 26 gauge (0.016") minimum steel plaster guards will be provided when required.

F, G Supports and Anchors: various anchors are available as 16 gauge (0.053") or 18 gauge (0.042") cold rolled, zinc-coated, or metallic-coated steel. Galvanized wall anchors (0.187" diameter wire) are available for masonry construction applications. Zinc-coated bolts used with existing opening anchors comply with ASTM A510 and ASTM B633, SC1, Type III, FF-S-325, Group II, Type 3, Class 3.

Section 2.5 Fabrication

A CURRIES steel doors and frames are fabricated to comply with ANSI A250.8.

B The CURRIES door design incorporates 0.053" inverted top and bottom channels. 16 Gauge (0.053") top and bottom channels can be added to provide a closed top and bottom door edge.

- D** Polystyrene cores used in CURRIES 707 series doors are bonded to the door skins using contact adhesive and complies with SDI standards.
- E** Non-fire Rated Door Clearances: hinge side clearance = 1/16", top and lock side clearance = 1/8", bottom clearance = 5/8", and clearance between pairs of doors = 1/4".
- F** Fire Rated Door Clearances: doors meeting clearance requirements of NFPA 80 can be fabricated.
- G** Single-Acting Door Edge Profile: square or beveled (1/8" in 2") edge doors can be provided.
- H** Products are fabricated complying with SDI 117.
- I** Concealed stiffeners, reinforcement, edge channels, louvers, and mouldings are fabricated from cold-rolled or hot-rolled steel.
- J** Exposed screws or bolts are flat countersunk or oval head, unless otherwise specified.
- K** Thermal-Rated (Insulating) Assemblies: thermal-rated assemblies can be provided with U-value of 0.41 Btu/(ft²·hr·°F) or better when tested in accordance to ASTM C236 using seals and automatic door bottom.
- L** Hardware Preparation: doors and frames are prepared according to templated hardware, ANSI A250.6, and ANSI A115 series specifications. Space, cutouts, reinforcement, and provisions for fastening concealed overhead door closers can be provided.
- M** Frame Construction: frames can be fabricated with mitered and continuously welded corners and seamless face joints. Knockdown (KD) drywall slip-on frames can be fabricated for in-place gypsum board partitions. Welded frames are provided with temporary spreading bars.
- N** Reinforcing for surface applied hardware can be provided on doors and frames.
- O** Hardware can be located as indicated on shop drawings or ANSI/BHMA A156.A115 and ANSI/SDI A250.8 standards. If not indicated, hardware will be located according to the following CURRIES standards:
- | | |
|----------------------------|---|
| Locks | 40" from base of frame to centerline of cutout |
| Rim/Mortise panic devices: | 36" from base of frame to centerline of reinforcement |
| Push/Pulls: | 45-1/2" from base of frame to centerline of reinforcement |
- P** Glazing Stops: Non-removable 18 gauge (0.043") stops will be provided on outside of exterior doors and secure side of interior doors for glass, louvers, and other panels in doors. Screw applied removable stops will be provided on the inside of glass, louvers, and other panels in doors.
- Q** Astragals can be provided as required by NFPA 80 to comply with the indicated fire ratings.
- 2.6 Finishes**
- A** CURRIES' standard factory-applied rust-inhibiting primer has been tested in accordance with ANSI A250.10.