



December 15, 2021

To: Users of SFI Specs 10.2  
From: SFI Foundation, Inc.  
Subject: Spec 10.2A, Revision, effective December 3, 2021

The above referenced SFI Specs for Altered Car Roll Cage, 6.00 – 7.49 Seconds E.T. have been revised, effective December 3, 2021. The revised version is designated as SFI Specs 10.2A and is immediately available from SFI for use by sanctioning bodies and chassis builders.

The extent of these revisions is indicated by underlining and highlighting as follows, and this document may be used in conjunction with the prior version of each Spec:

**Section II.5:**

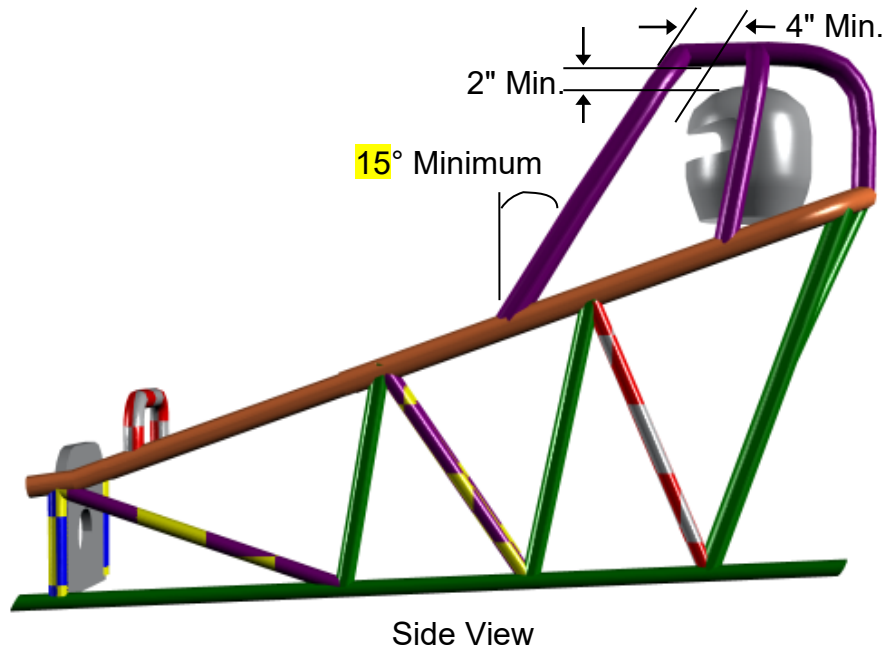
5. All butt welds must have visible reinforcement or interior sleeve(s), six (6) inches (15.2cm) minimum (3" {7.6cm} on each side of the joint center line), with visible rosette welds. Rosette welds shall be within one-half (1/2) inch (12.7 mm) from the end of the interior tube and must be a minimum of 1/4" in diameter.

**Section II.8:**

8. Diagonals and "K" members can be oriented in any direction, unless otherwise specified. Example: left to right, top to bottom, forward to rear, etc. Side bay and floor diagonals, X-members, and K-members must intersect within three tubing diameters of the intersection of the upright or cross member and the frame rail within the same plane (measured edge-to-edge, using tube diameter of the diagonal, X, or K.).

**Section III.1.b:**

- b. The forward roll cage hoop (#1) must be installed to the upper frame rails (#4) at a minimum angle of **15°** from vertical.

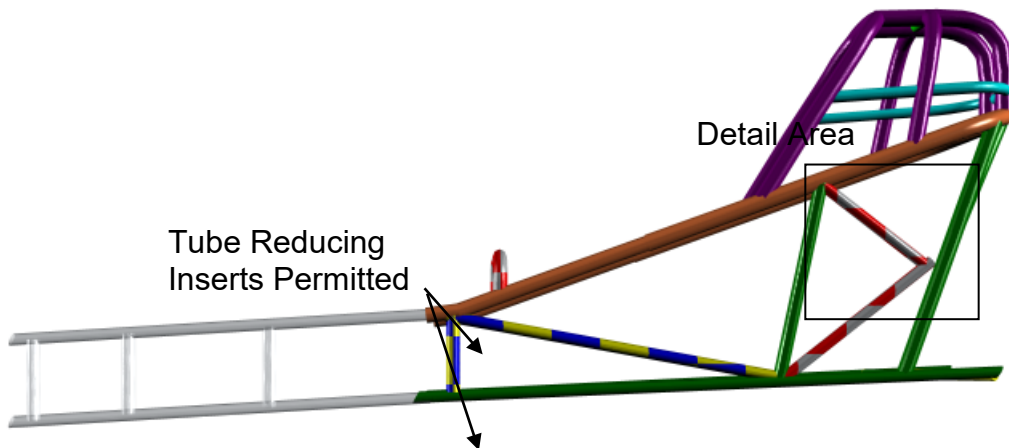


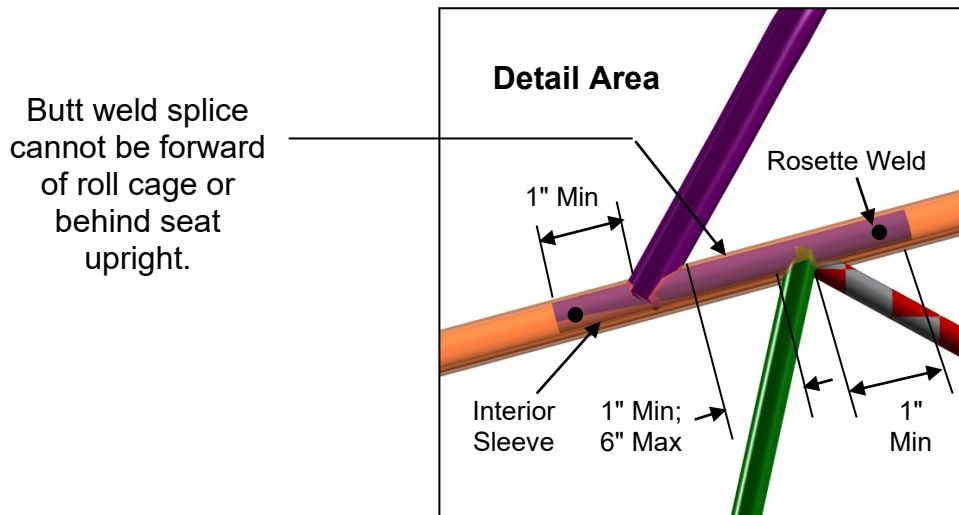
**Section III.2.d:**

d. The upper frame rails (#4) and shoulder hoop(s) (#3) must be 1 1/2" x .058" tubing with .058" wall interior reinforcement tubes (#6) and visible rosette welds in each side. The interior reinforcement tubes (#6) must match the internal diameters of the upper frame rails (#4) and shoulder hoop(s) (#3).

The forward edge of the seat upright (#10) must be at least one (1) inch (25.4mm) but not more than six (6) inches (15.2cm) behind the rear edge of the main roll cage hoop (#1) with the reinforcement tubes (#6) extending one (1) inch (25.4mm) minimum ahead of the forward edge of the forward roll cage hoop (#1) to one (1) inch (25.4mm) minimum behind the rear edge of the forward seat upright (#10).

**Interior Reinforcement Tube**  
Seat upright is behind roll cage hoop





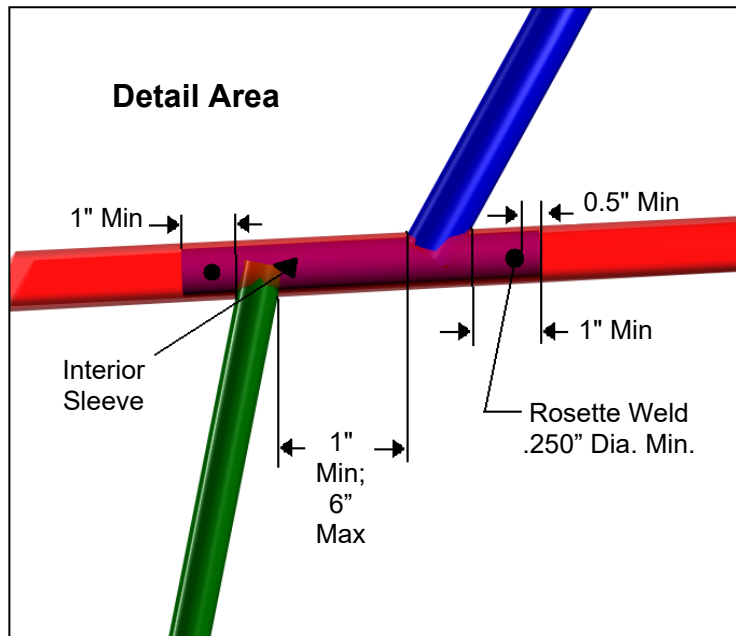
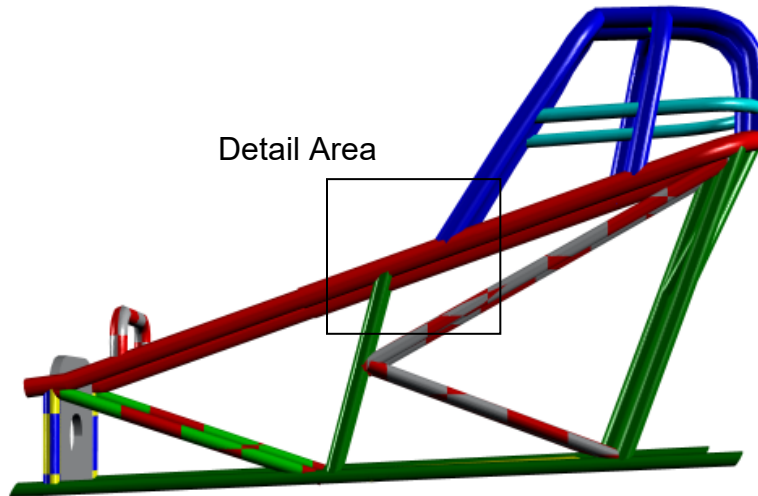
Butt weld splice cannot be forward of roll cage or behind seat upright.

The interior reinforcement tubes must extend one (1) inch (25.4mm) minimum ahead of the forward edge of the forward roll cage hoop to one (1) inch minimum behind the rear edge of the forward seat uprights.

OR

The rear edge of the seat upright (#10) must be at least one (1) inch (25.4mm) but not more than six (6) inches (15.2cm) in front of the forward edge of the forward roll cage hoop (#1) with the reinforcement tubes (#6) extending one (1) inch (25.4mm) minimum ahead of the forward edge of the seat upright (#10) to one (1) inch (25.4mm) minimum behind the rear edge of the forward roll cage hoop (#1).

**Interior Reinforcement Tube**  
Seat upright is in front of roll cage hoop



Butt weld splicing of the upper frame rails to the shoulder hoop(s) is permitted between the main roll cage hoop and the forward seat uprights. If butt weld splicing is used here, interior sleeve(s) are required, extending a minimum of three (3) inches (7.6cm) on each side of the seam. The interior reinforcement tubes (#6) and the butt weld interior sleeve(s) may be one and the same if the minimum dimensions of each and all are met. Butt weld splicing of the shoulder hoop(s) (#3) is also permitted in the rear center. If butt weld splicing is used here, an interior sleeve is required.

For requirements of chassis built prior to 2004 without an internal roll bar reinforcement, consult the "SFI 10.2 Legacy Tech Advisory" document available from SFI.

**Section III.2.g:**

g. For any upright at an angle of 30° or greater from vertical, the required diagonals on both sides of the upright shall be the same diameter and wall thickness as the upright.

Thank you,

SFI Foundation, Inc.