Addendum #1 to
SDI Composite Deck Design Handbook (March 1997 edition)
May 2010

Since the publication of this handbook, several changes have been made to design standards applicable to composite steel floor deck. While the basic design concepts contained within the handbook are still applicable, this Addendum is being provided to alert designers to changes to the underlying criteria. An updated edition of the handbook is currently being prepared, and these changes will be fully implemented within the updated handbook.

General Note: The methodology contained within this publication is substantially in compliance with ANSI/SDI C1.0-2006 "Standard for Composite Steel Floor Deck"

Page 1. The *SDI Diaphragm Design Manual* has been updated to the Third Edition.

Page 4. Paragraph 2: The 1/3rd stress increase is no longer permitted by most building codes.
Paragraph 5: The SDI no longer recommends the 10% load capacity increase related to the presence of welded wire fabric.

Page 6. Paragraph 1: The 33% stress increase is no longer permitted by most building codes.
Paragraph 2: The denominator for the resistance of ¾" diameter studs is taken from the 2nd Edition of the AISC-LRFD standard. The current (2005 AISC Equation I3-3) value should be used.

Page 8: Load combinations should be per the governing building code or ASCE 7, as may be applicable.

Page 14: Note that the listed bearing capacities do not contain the 1/3rd stress increase. These capacities were calculated using the 1996 Edition of the AISI Standard.

Page 18: Delete the 1/3rd stress increase from this example problem.

Page 22. The denominator in the equation for calculating the number of studs required should reflect the current 2005 AISC Standard Equation I3-3.

Composite Property Tables: These tables do not include a 10% load increase capacity for the presence of welded wire fabric.