



Steel Structures Technology Center, Inc.

5277 Leelanau Ct.

Howell, MI 48843-5437

(734) 878-9560

www.steelstructures.com

info@steelstructures.com

Structural Welding: *Design and Specification*

an eight-hour seminar on the design and specification of welding for steel-framed structures using the AWS D1.1-2010 Structural Welding Code - Steel, the AISC 2010 Specification for Structural Steel Buildings, the AISC Seismic Provisions, and recent research, previews into pending changes in the above specifications, and related areas of research and developments in structural welding

Introduction to Welding Design	
engineering decisions and responsibilities welding nomenclature welding processes and filler metals	
Economical Design and Constructability	
Weld volume and position	Distortion control
Welding Symbols	
Design using Prequalified Status	
steels and matching filler metals prequalified joint design	welding procedures
Design Values	
weld size, throat, and length skewed joints	ASD allowable stresses / LRFD design strengths permitted increases and required reductions
Welding Details	
minimum and maximum weld sizes weld terminations	eccentricity
Qualification Requirements	
welding personnel	non-prequalified steels, joints and processes
Fabrication Requirements	
weld tabs and weld backing weld access holes filler metal controls	welding conditions tolerances lamellar tearing
Inspection	
inspectors and nondestructive testing technicians inspection task lists	weld quality acceptance criteria NDT selection and specification - PT, MT, UT, RT
Retrofitting Existing Structures	
older steels and weldability design considerations	fatigue life enhancement
Fatigue Design	
welded joint details	maximum stresses and stress ranges
Seismic Welding	
governing standards demand critical welds design drawing and specifications	weld backing and weld tab removal weld access holes inspection and nondestructive testing

8 hours

\$ 290.00

SSTC Online On-Demand Seminar Registration Information

Payment

Seminar fees are provided in the tables below. Payment by check should be made payable to Steel Structures Technology Center, Inc. Payment is also accepted by Visa, MasterCard, American Express and Discover.

Federal, state and local government agencies may register using their standard training document procedures.

Registration Deadline

Please allow a minimum of three business days before you plan to take the seminar.

Registration Methods

Mail Complete the registration form and mail to:
Steel Structures Technology Center, Inc.
5277 Leelanau Ct
Howell, MI 48843-5437

Online <http://www.steelstructures.com/seminars/sstc-online-on-demand-seminar-registration-information>

Email Complete the registration form, save the form, then email to:
seminars@steelstructures.com

or

Complete the registration form, print the form, then scan and email to:
seminars@steelstructures.com

Fax Complete the registration form, print the form, then fax to: (734) 878-9571

Phone (734) 878-9560 (limited office hours because of travel schedule)

Confirmation of Registration

Confirmation of registration will be sent via email or fax (only when requested), usually within 48 hours of registration. Confirmation is not automatically immediately sent upon submittal of registration. Please provide your email (required) and your fax number (optional) and your mailing address. Those without a fax number or email address will receive confirmation by mail. If you do not receive your confirmation within one week of registration, please contact us at seminars@steelstructures.com.

Substitution and Cancellation Policy

Substitutions of personnel may be made up to 24 hours prior to starting the seminar. No cancellation or refund after the first ten minutes of the seminar have been watched.

AISC Requirements for Quality Control and Quality Assurance	4 hours	\$ 150.00
Structural Bolting Inspection	8 hours	\$ 290.00
Structural Welding Inspection	15 hours	\$ 490.00
Inspection of Steel Fabrication	3 hours	\$ 110.00
Inspection of Erected Steelwork	3 hours	\$ 110.00
Inspection of Seismic Steel Connections	8 hours	\$ 290.00
Plan Reading for Steel Construction	4 hours	\$ 150.00
Special Inspection of Steel Construction under the International Building Code	3 hours	\$ 110.00
Structural Welding: Design and Specification	8 hours	\$ 290.00

SSTC Online On-Demand Seminar FAQs

How do these seminars work?

After registration, you will receive a confirmation email providing you the link to our online seminar hosting service. This will include your private log-in information and your password.

The seminars are recorded and broken into several segments, and you take each segment in order. The length of each segment varies, depending upon the specific topic of the segment.

Can I get CEU or PDH credit?

Each segment will be accompanied with a brief quiz on the subject matter discussed. Each quiz is returned to SSTC and then graded by SSTC. To receive continuing education unit (CEU) credit or professional development hour (PDH) credit, you will need to watch each segment and complete the quiz. A 70% passing score on each segment is required. If your score is below 70%, you will need to repeat that seminar segment and return a new quiz. Note that we also monitor the time spent watching each seminar segment. We also provide seminar participants to send questions related to the seminar content to the instructor for a response.

ICC Certified Special Inspectors and other ICC Certified Code Safety Professionals: These seminars are conducted in cooperation with the International Code Council, and SSTC is an ICC Education Provider Partner. All SSTC seminars listed are approved for ICC certification renewals.

AWS Certified Welding Inspectors and Senior Certified Welding Inspectors: These seminars are recognized for continuing education credit under Clause 16 of AWS QC1:2007 Standard for AWS Certification of Welding Inspectors.

Professional Engineers and Structural Engineers: Online on-demand seminars of this type, when accompanied with quizzes and monitoring, normally count toward CEU or PDH credit for most organizations, but it is your responsibility to verify this when in doubt. Note that some states require pre-approval of course content and/or provider, and SSTC has not pursued this option for this form of seminar delivery in these states.

How long do I have to complete the seminar?

We keep your seminar account active for a period of 90 days. After that time period, if you need an extension, you must contact us.

May I record the seminars for future viewing?

Seminars are secured to prohibit recording. However, you may repeat the viewing of the seminar until you have received your letter of completion.

May I have others in my firm watch the seminar?

You may have others in your firm watch the seminar with you. However, no CEU or PDH credit will be offered unless they are also registered to take the seminar. Should numerous log-ins for the seminar be noted, indicating that your personal log-in and password information has been shared, your seminar privileges will be suspended.

On what devices can I watch a seminar?

Computers: Our online seminar provider has built-in viewers for you, with the typical controls for viewing you've become accustomed to using.

Mobile devices: The iOS platform is supported, meaning you can view the seminar on iPhones, iPads, and iPod Touches. Also supported is HTML5 video, on almost all modern Android phones running Android version 2.2 or greater, as well as Flash video on Android phones running Adobe Flash.



Online On-Demand Seminar Registration Form

Name	
Title	
Firm/Agency	
Address	
City	State / Province
Zip / Postal Code	Country
Phone	Fax
email	

Check your Selection	Seminar Title	Hours	Fee	Your Amount
	AISC Requirements for Quality Control and Quality Assurance	4 hours	\$ 150.00	
	Structural Bolting Inspection	8 hours	\$ 290.00	
	Structural Welding Inspection	15 hours	\$ 490.00	
	Inspection of Steel Fabrication	3 hours	\$ 110.00	
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	Special Inspection of Steel Construction under the International Building Code	3 hours	\$ 110.00	
	Structural Welding: Design and Specification	8 hours	\$ 290.00	
			Your total	

Credit Card Type (check)	<input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> American Express <input type="checkbox"/> Discover
Credit Card Number	
Credit Card Expiration Date (month / year)	Card Security Code (see below)
Cardholder's Name	
Card Billing Address	
Check Number (if enclosed)	

Prepayment by check, Visa, MasterCard, Discover or American Express required. Checks must be drawn on a US bank. No foreign checks accepted.

Card Security Code – for Visa, MasterCard and Discover, provide last three digits on back of card
 for American Express, provide four digits on front of card

Orders accepted by fax, scan and email, or by telephone (note: limited telephone availability)

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Policies

Orders are typically processed within five business days after receipt of order. However, longer processing times may occur during holiday periods, office vacation shutdown, and extended international business activities. Such closed dates are posted and updated in this section, as follows:

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No cancellation or refund after the first ten minutes of the seminar have been watched.

Most refunds are issued based on the payment method used at the time of purchase.

Payment Method	Refund Method	Refund Time (After Return Is Received)
Credit Card	Refund	3-5 days, however it may take 2-3 additional business days for the refund to display on your credit card statement.
Bank Account	Bank Account	Up to 10 business days

REFUND ADDRESS/CONTACT:

Steel Structures Technology Center, Inc.

Attn: Returns

5277 Leelanau Ct.

Howell, MI 48843-5437 USA

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If you have any questions regarding this policies, please email SSTC at info@steelstructures.com or call (734) 878-9560.

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