



STEEL STRUCTURES TECHNOLOGY CENTER, INC.

Steel Structures Technology Center, Inc.

5277 Leelanau Ct.
 Howell, MI 48843-5437
 (734) 878-9560
www.steelstructures.com
info@steelstructures.com

Structural Welding Inspection

a 15-hour seminar on the inspection of welding under the American Welding Society's Structural Welding Codes:

- AWS D1.1 - Steel,
- AWS D1.3 - Sheet Steel,
- AWS D1.4 - Reinforcing Steel, and
- AWS D1.8 - Seismic Supplement

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| Welding Nomenclature | |
| Joints, welds, position, welding metallurgy | |
| Welding Processes and Filler Metals | |
| SMAW, FCAW, GMAW, SAW GMAW-S, GTAW, ESW, EGW | Matching filler metals AWS A5 identification systems Storage and exposure limitations |
| Welding Procedure Specifications | |
| Evaluation and use of WPSs Preheat and interpass temperature | Prequalification limits Welding procedure qualification |
| Weld Joint Details - Structural Steel | |
| Prequalified groove weld details Qualification of joint details Weld backing and weld tabs | Weld access holes, copes and reentrant corners Plug and slot welds |
| Fabrication | |
| Welding equipment and environment Joint preparation and fit-up Thermal cutting processes and quality | Distortion control Dimensional tolerances |
| Welding Personnel Qualification | |
| Weld Appearance and Quality | |
| Acceptance criteria options Weld discontinuities | AWS D1.1 quality criteria Repairs |
| Inspection and Nondestructive Testing | |
| Observation under AWS D1.1 and AISC Visual inspection | NDT methods and criteria - PT, MT, UT, RT Extent of NDT under AWS D1.1 and AISC |
| Welding Symbols | |
| Tubular Joints | |
| Terminology and joint types | Groove weld joint details |
| Fatigue Life Enhancement | |
| TIG dressing, burr grinding, toe peening, ultrasonic methods | |
| AWS D1.8 Structural Welding Code - Seismic Supplement | |
| Welding materials – strength, toughness, intermixing, testing WPS and technique limitations | Connection details Protected Zones and repairs |
| AWS D1.3 Structural Welding Code - Sheet Steel | |
| Sheet steel joints WPS and welding personnel qualification | Weld quality |
| AWS D1.4 Structural Welding Code - Reinforcing Steel | |
| Rebar joints WPS and welding personnel qualification | Weld quality |

15 hours
 \$ 490.00

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 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.

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| 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.

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:

July 25 – August 5, 2016

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

info@steelstructures.com

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

Updated: May 31, 2016