



Performance Verification Packet

INDUSTRIAL IRONWORKER

This performance verification is designed as one method to evaluate job skills and safe work habits of a participant. The performance of the participant must be evaluated by an NCCER certified evaluator, at an NCCER authorized assessment site and be approved by an NCCER accredited assessment center.

Last Updated: March 2, 2004
National Center for Construction Education and Research
13614 Progress Blvd • Alachua, FL 32615
1-888-622-3720

NCCER PERFORMANCE VERIFICATION CANDIDATE SUMMARY
INDUSTRIAL IRONWORKER

Objective

The candidate will demonstrate the ability to fabricate, erect, use crane hand signals, and handle material in a manner required of a journeyman Ironworker. The candidate must complete these key tasks within the time frame set by the evaluator, based on site specific conditions, to be successful.

Scope

This Performance Verification provides a means to be able to observe and evaluate competencies in the following areas:

- Fabricating
- Rigging
- Crane Hand Signals
- Erecting

Materials Required

- Wire Rope Sling
- Nylon Sling
- Softener
- Shackles
- Come-A-Long
- Cable Clamps
- Specification drawing for fabrication / erecting (Provide all material to match drawing)
- Hand and Power Tools
- Personal Protective Equipment

Time Required

To be determined at each site by evaluator

Tasks

- **Fabricate a Beam per Drawing Specifications**
 - Select material
 - Layout per drawing
 - Cut and drill as required
 - Attach beam components

NCCER PERFORMANCE VERIFICATION CANDIDATE SUMMARY
INDUSTRIAL IRONWORKER

Tasks (cont'd)

- **Rigging (Identify and Use)**
 - Wire rope sling
 - Nylon sling
 - Softener
 - Shackles
 - Tag line
 - Lift Plan

- **Crane Hand Signals**
 - Demonstrate 10 crane hand signals as directed by your evaluator

- **Erecting**
 - Double Connection
 - Bolting
 - ◆ Turn-of-nut method
 - ◆ Calibrated wrench
 - ◆ Load indicating washer
 - ◆ Bolts-nuts-washer
 - Alignment
 - ◆ Come along
 - ◆ Wire rope
 - ◆ Cable clamp
 - ◆ Level
 - ◆ Softener

**NCCER PERFORMANCE EVALUATOR CHECKLIST
INDUSTRIAL IRONWORKER**

Date Completed Task To Perform

- __-__-__ 1. Fabricate a Beam
- Pulled detail and measurements correctly from drawing
 - Use proper material
 - Use proper tools
 - Hold dimensions per drawing for holes and cuts
 - Checked square of leading edge
 - Attached beam components correctly
 - Finished beam matches drawing
 - Finished product is “square” in all aspects
 - Determines if permit required for ‘hot work’
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- __-__-__ 2. Rigging
- Inspected and used at least three (3) rigging devices
 - Shackles, right size and turned properly
 - Tagline is proper length proper knot used on each end
 - Wire rope is correct size
 - Lift Plan Followed
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- __-__-__ 3. Crane Hand Signals
- Correctly demonstrated ten (10) crane hand signals with no errors
 - Effectively ‘flagged’ crane with live load
-

- __-__-__ 4. Erecting
- Double connection
 - Identified and correctly used at least three (3) alignment tools
 - Properly gauged LI washers
 - Calculated correct bolt size
 - Demonstrated proper impact methods
 - Turned bolts in correct direction at all times
 - Demonstrated proper techniques to “plumb” structure
-

- __-__-__ 5. Safety
- Used PPE
 - Practiced good safety procedures

Performance Verification Form

How to fill out and file your information

Participant

- 1) Print your last name, first name, and social security number.
- 2) Print your company name, current employer, and the state where your employer's main office is located.
- 3) In the space provided for "Participant Signature," sign your name and enter the date you signed the form.

Performance Evaluator

- 1) In the space provided for "Site Code," enter the postal zip code of the location where the performance verification is being conducted.
- 2) In the column provided for "Date," enter the date the participant completed each of the tasks. This date is important because there may be times a participant does not complete a performance verification in one day.
- 3) In the space provided for "Performance Evaluator," sign your name.
- 4) In the space provided for "Date," next to your signature, list the date the participant successfully completed all of the tasks.

Administrator

- 1) In the space provided for "Administrator," sign your name. Your signature indicates that the performance evaluator is certified to conduct this performance verification and that it was conducted within the guidelines of the NCCER.
- 2) In the space provided for "Date," next to your signature, list the date that this performance verification form is being sent to the NCCER for entry into the National Registry.
- 3) In the space provided for "Accredited Assessment Center," print the name of the accredited assessment center that is conducting this performance verification.

Last Updated: June 8, 2011

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PERFORMANCE VERIFICATION FORM

INDUSTRIAL IRONWORKER PVIRON30- CRAFT

Participant Information:

Last Name First Name Social Security Number

Employer/Company Name State Site Code

Performance Evaluator:

Last Name First Name Social Security Number

Table with 5 columns: TASK #, SPECIFIC DUTIES/TASKS, DATE, START TIME, END TIME. Rows include tasks like 'Fabricate a Beam', 'Rigging', 'Crane Hand Signals', 'Erecting', and 'Safety'.

Consent/Release: I, the undersigned, do hereby authorize the National Center for Construction Education and Research (NCCER) to release the information and results attained through the administration of the National Craft Assessment and Certification Program (NCACP) to the organization referenced below, and acknowledge that the employer noted above is my present employer.

ACCREDITED ASSESSMENT CENTER: _____

PARTICIPANT: _____ SIGNATURE _____ DATE: _____

PERFORMANCE EVALUATOR: _____ SIGNATURE _____ DATE: _____

ADMINISTRATOR: _____ SIGNATURE _____ DATE: _____

Last Updated: January 18, 2012
Return Completed Form To:
NCCER Registry •
13614 Progress Blvd • Alachua, FL 32615
1-888-622-3720