

## **Journeyman Level I Instructors Program Overview**

What will make the training a success is you, using your personality and experience when delivering the material. Use personal stories to support and better explain a situation or item. Remember your training from the Train the Trainer class and be prepared for your class. Below is a quick reminder list.

- Organize the builds to be efficient and move smoothly and in a manner that you are comfortable with.
- Should you be asked a question and you do not know the answer, say you do not know but state you will find an answer.
- It is imperative that you, as the instructor are organized and prepared for the day's activities.
- When ever possible arrive at the training location an hour ahead of the students.
- Arrange the class to suit the days training.
- All white boards/chalk boards should be clean and only the information for the day be written on them.
- Have a supply of markers and or chalk.
- Do you have a good supply of paper for the students too use?
- Are there sufficient pens, pencils, and erasers for the students?
- Have all your hand outs for the day organized and on the deck before the students arrive.
- Have your computer setup and ready for the days instruction, (this would include any connections required to a digital display, sound system, etc.)
- Ensure the practical location is set up for the day. Sufficient tool belts (c/w standard tools and lanyards), hard hats, fall arrest equipment, gloves, safety glasses. When ever possible have the students supply their own tools and P.P.E.
- Maintain good house keeping at all times.
- The scaffold material to be used is organized and enough material is available for the days' activities.

## Journeyman Level I Build

**Frame and Brace:** A 5x7 one lift tower complete with decking, guardrail system, toe board, swing gate and ladder installed off the narrow end of the scaffold. Install red scaffold tag when ladder is attached and inspect and place green tag when completed.

Repeat as a rolling tower. (As time permits)

**System Scaffold:** A 5x7 one lift tower complete with decking, guardrail system, toe board, swing gate and ladder installed off the narrow end of the scaffold. Install red scaffold tag when ladder is attached and inspect and place green tag when completed.

Repeat as a rolling tower. (As time permits)

**Tube and Clamp:** A 4x7 one lift tower complete with decking, guardrail system, toe board, swing gate and ladder installed off the narrow end of the scaffold. (will a buttress be required for this erection) Install red scaffold tag when ladder is attached and inspect and place green tag when completed.

Instructor to ensure that all material is returned to original placement.

## Journeyman Level I Lesson Plan Topics

<b>Frame and Brace</b>	Theory	Review from manual, manufactures, personal experience using frames, various styles and load ratings, decking, guardrail systems, codes, erect procedures and inspection procedures.
	Practical	As stated above
<b>System</b>	Theory	Review from manual, manufactures, personal experience using system scaffold, various styles and load ratings, decking, guardrail systems, codes, erect procedures and inspection procedures.
	Practical	As stated above
<b>Tube and Clamp</b>	Theory	Review from manual, manufactures, personal experience using tube and coupler scaffold, various styles of tube and clamps, load ratings, decking, guardrail systems, codes, erect procedures and inspection procedures.
	Practical	As stated above

## Journeyman Level I Lesson Plan Topics

<b>Guardrails and Platforms</b>	Theory	Discuss various styles and types of guardrail systems, load rating. Discuss various styles and styles of material utilized for platform, codes, manufacture specifications inspection procedures.
	Practical	Correct installation when performing the scaffold builds.
<b>Foundations</b>	Theory	Discuss the importance of a proper foundation and the various code requirements, material used for mudsills, when mud sills are used.
	Practical	The use of mud sills when erecting the scaffold exercises.
<b>Scaffold Hand Signals</b>	Theory	Review the information in the manual.
	Power Point	Display with open discussion.
<b>Hoisting Signals</b>	Theory	Review the information in the manual
	Power Point	Display with open discussion.
<b>JSHA</b>	Theory	(PowerPoint) Review the power point and provide your experience. Explain when completed and why.
	Practical	Provide a card to the class and have completed based on the days practical scaffold builds and dismantles.

## Journeyman Level I Lesson Plan Topics

<b>Project Management</b>	Theory	Discuss how the understanding of project management effects a scaffold project, and the roles everyone plays in the process.
<b>Math</b>	Theory	General review of the math illustrated in the manual.
<b>Codes – Provincial OH&amp;S</b>	Theory	Review with open discussion. Should copies of code be available for class have the students find the Section that governs scaffold and review.
<b>CSA Standard</b>	Theory	Review with open discussion. Should copies of standard be available for class have the students find various Sections and review.
<b>Manufactures Specs.</b>	Theory	Review with open discussion. Should copies of manufactures specifications be available for students to review and discuss.
<b>Back Safety and Lifting</b>	Theory PowerPoint	View and discuss Ready

## Journeyman Level I Lesson Plan Topics

<b>Staggering Joints</b>	Theory	(power point). View and discuss.
	Practical	Practice when erecting scaffold exercises.
<b>End User Awareness</b>	Theory	(not required at all times. Can be stand alone or used with the CPT courses) Open discussion as slides reviewed.
	Power point	Ready
<b>Scaffold Ties</b>	Theory	Name the three components of the tie and what each Components does. Location of ties on scaffold not Hoarded and hoarded. Purpose and placement. OH&S, CSA and engineering
	Practical	Box tie,
<b>Safety and P.P.E.</b>	Theory	Open discussion of the required P.P.E. site specific safety requirements (JHA)
	Practical	Is everyone using P.P.E. correctly.
<b>Scaffold Tools</b>	Theory	the basic tool requirement and proper use
	Practical	Demonstrate proper use well erecting and dismantling Scaffold.

## Journey person Level I Lesson Plan Topics

<b>Scaffold Tags</b>	Theory	Three colours of the scaffold tag system and the Importance of each colour. When tags are placed on The scaffold. Who can access scaffold based on tag? colour. Information listed on each tag. Who inspects? Scaffold and completes tag. How often is scaffold Inspected and by whom.
	Practical	Place scaffold tag on scaffold that is being built
<b>Scaffold Inspections</b>	Theory	Class discussion as per the book. The three colours Information on each tag, inspection requirements.
	Practical	When erecting scaffold and the first ladder section Is installed the correct colour of tag to be attached.
<b>Scaffold Role</b>	Theory	Design and preplanning of the scaffold including weight limitations, scaffold type, positioning of ties, and erection producers. Modification as required, dismantle the scaffold, inspection of the material handling and correct storage of the scaffold components. Correct tagging procedure and documentation. Inspection of scaffold erected as per provincial OH&S, CSA Standards, and or site requirements.

## Journey person Level I Lesson Plan Topics

<b>Scaffold Ladders</b>	Theory	When is the ladder installed. Maximum height of ladder before break. First ladder bracket is installed what distance from ground and why. Rung spacing, ladder brackets are placed in what order. Use of check clamps. Ladder is dismantled when.
	Practical	During the scaffold builds access ladder is installed to meet requirements and codes.
<b>Ladder Cage</b>	Theory	CSA Standard 5.13.3 shall begin not more than 2.2 m (7ft. 2 in.) And not less than 1.98 m (6ft 6in.) above Grade. Continue past deck level 1 m. (39 in.). Support Rings shall be installed on 4 ft. centers
	Practical	When erecting the scaffolds install a correct ladder.
<b>Scaffold Stairway</b>	Theory	Introduction only. Not to be built until Level 2 or 3

### **Documents to support instructor lead class.**

- Several copies of manufactures specifications i.e., Direct Scaffold, Urban, Layher etc.
- Copy of CSA Standard (Classroom use only)
- Web sites of the provincial OH&S codes