Hand and Finger Injuries

A Discussion to Present Methods of Preventing These Incidents in the Workplace
MBMA Safety Committee Webinar Program for Metal Building Systems Members

MBMA’s Safety Committee is pleased to introduce five new Lunch and Learn Webinar Programs in 2013. These webinars will be designed for your entire workforce, including machine operators, welders, supervisors, production and even office personnel - everyone will benefit! MBMA is committed to workplace safety and these webinars will help your company provide a safe workplace.

Each session is designed to last for a total of one hour. The presentation will last from 20-30 minutes, with at least 15 minutes allocated for online questions and answers. Each company will then and the call and have an in-house discussion session for the remainder of the hour. Participating companies should provide a central meeting place for each plant location for these sessions. You will be able to “Call In” or have laptop access... your choice.

These sessions will provide a forum for metal building companies to speak to each other about important safety issues. The interactive and collaborative nature of the webinars will provide for an enhanced learning environment, providing the best value for the time possible.

Webinar Topics and Dates

- Lacerations, Hand Injuries and Contusions - Register Now!
  - Thursday, February 21, 2013
  - Presenter: Michael Jordan, NCI Building Systems

- Emergency Action Planning - Register Now!
  - Thursday, April 18, 2013
  - Presenter: Matt Romer, Nucor Building Systems, UT

- Summer Special, New Hires and Overtime - Register Now!
  - Thursday, July 18, 2013
  - Presenter: Dirk Stauffer, Nucor Building Systems

- Global Harmonization Systems - Register Now!
  - Thursday, September 19, 2013
  - Presenter: Jason Johnson, CBC Steel Buildings

- Lean Manufacturing and S S Systems - Register Now!
  - Thursday, November 14, 2013
  - Presenter: Chris Robbins, Behlen Building Systems

Click here for more information on the Safety Committee's Lunch and Learn Webinars.

Visit the MBMA Safety Committee website for more useful information on safety in the workplace.
Lunch and Learn Webinars

MBMA’s Safety Committee is pleased to introduce three new Lunch and Learn Webinar Programs in 2012.

These webinars will be designed for your entire workforce, including machine operators, welders, supervisors, production and office personnel. Everyone will benefit and will help you build a safe culture. MBMA is committed to workplace safety and these webinars will help your company provide a safe workplace.

Each session is designed to last for a total of one hour. The webinar presentation will last from 20-30 minutes, with at least 15 minutes allocated for online questions, answers and discussion. Each company will then end the on-line meeting and have approximately 15 more minutes to discuss within your own ranks safety topics. Participating companies should provide a central meeting place for each plant location for these sessions. Individuals need not participate via a phone or online link.

Each webinar will provide a forum for metal building companies to address important safety issues. The interactive and collaborative nature of the webinars will provide an enhanced learning environment, providing the best value for your time and resources.

Webinar Topics and Dates

**Fall Protection**
Thursday, October 18, 2012, 1:00 PM EDT - 45 Minutes
Presenter: Darin Garner, Nucor Building Systems

**Fall Protection Agenda**

**Fall Protection Slide Show**

**Fall Protection Webinar Slide Show Script**

**Fall Protection Webinar Drawings**  Drawings are of fall protection trailer, receiving railings and the moveable catwalk. (Note: These drawings are for REFERENCE ONLY. See website disclaimer for more information.)

**Safety Leadership**
Thursday, November 8, 2012, 1:00 PM EST - 45 Minutes
Presenter: Craig Banning, BlueScope Buildings

This session will discuss the important elements that will help managers become safety leaders, which will cause the entire team to engage in discretionary efforts that drive safety – gaining commitment and developing behaviors that help everyone achieve the company’s safety goals. This program will benefit plant managers, supervisors, foremen, team leaders and other frontline managers.

**Safety Leadership Agenda**

**Safety Leadership Slide Show**

**Vehicle Safety**
Thursday, December 13, 2012, 1:00 PM EST - 45 Minutes
Presenter: Matt Stone, Schulte Buildings Systems
First things first...

- You must raise your hand to ask questions

- For those using the telephone, you must type in your audio pin to be heard when called upon
  - Your pin is shown on your Go-to-Webinar panel under “Audio”
  - Example, #99#
Housekeeping

- Turn your phone ringer off or forward your messages to voicemail.
- Please close other programs running on your desktop...you will have better results.
- To ask a question use the chat tool. We will answer any questions at the end of the session or offline.
- At the end of the session, you will receive a link via email for a survey...we would appreciate feedback.
AGENDA

LACERATIONS, HAND INJURIES AND CONTUSIONS
LUNCH AND LEARN
WEBINAR
Metal Building Manufacturers Association

THURSDAY – FEBRUARY 21, 2013
1:00 P.M. - 2:00 P.M. (EST)

1. Introduction
2. AntiTrust Reminder
3. Workshop Objective
4. Recognition of Hazard
5. Statistics
6. Engineering Controls
7. Work Practice Controls
8. Personal Protective Equipment
9. Taking These Principles Home
10. Questions and Answers
11. Survey Reminder
12. Adjournment
Statistics:

- The hand consists of 27 bones. When other associated structures (arteries, veins, muscles, etc) are considered, the potential for a multitude of injuries exist when trauma involves the hand.
- Hand and finger injuries account for 15% of all emergency room visits.
Statistics

- The most common cause of hand injury is blunt trauma (to include pinch or crushing incidents) - 50%.
- Followed by contact injuries with a sharp objects - 25%.
- Miscellaneous incidents that include chemical exp and burns – 25%.
Statistics

- Hand/finger injuries are divided into 6 general categories:
  1). Lacerations
  2). Fractures/dislocations
  3). Soft tissue/amputations
  4). Infections
  5). Burns
  6). High pressure injuries
Protecting Our Employees

Engineering Controls
Work Practice Controls
Personal Protective Equipment
Engineering Controls

- Isolate the process
- Enclose the process
- Consider design specifications
- Change the process
Work Practice Controls

- Job Safety Analysis or Job Hazard Analysis (JSA/JHA)
- Behavioral Observations (BBS)
- Housekeeping and maintenance
- Job rotation of workers
Work Practice Controls

- Concentrate on your job task; many work related injuries occur due to a distraction that causes you to take your eyes off the equipment being used.

- Rely on the job function’s JSA/JHA. These are invaluable in providing the correct steps to safely perform a job while avoiding hazards associated with the job tasks. JSA/JHA’s must be reviewed periodically to keep hazards and safe operating procedures familiar to employees.
Work Practice Controls (BBS)

- Behavioral observations are vital to identifying and correcting unsafe actions before an incident occurs.
- Observation conversations should be kept positive and to the point; ask if the observed employee realized he/she was performing an at-risk behavior.
- Explain the hazards associated with the unsafe behavior.
Work Practice Controls (BBS)

- Ask open-ended questions to determine if there are any physical barriers present that forced the observed to perform the at risk behavior.
- Communicate with the employee the safe method of performing the job task.
- End the conversation on a positive note.
- Document your observations to quantify any unsafe trends (employees, supervisors, machinery, processes etc).
Personal Protective Equipment

- Employees must be properly trained with both information and hands-on experience with the PPE (to include):
  - Specifics about what types of PPE are necessary under certain circumstances. This is generally found in your PPE Hazard Assessment Guide which explains the hazards, type of injury and the appropriate PPE for any job task.
  - Information about limitations of PPE
  - Guidance on the proper care, useful life, maintenance and disposal of PPE
Personal Protective Equipment

- Hazards associated with our industry are lessoned or eliminated by using the proper hand protection:
  - Abrasions, cuts, bruises, punctures, fractures, amputations, burns and chemical exposure.
Conclusion

- The hazards associated with hand and finger injuries are prevalent throughout our industry.
- Using PPE is often essential, but is generally the last line of defense after engineering controls, work practices, and administrative controls.
- Engineering controls involve physically changing a machine or work environment.
Conclusion

- Administrative controls involve changing how or when employees do their jobs, such as scheduling work and rotating workers to reduce exposures.
- Work practices involve training employees how to perform tasks in ways that reduce their exposure to these hazards.
- JSA/JHA’s and behavioral observations are two key elements that inform employees of the safe methods to performing their job duties while raising awareness to at risk behaviors and their subsequent consequences.
Questions/Comments?

“Somebody should really cover that up.”