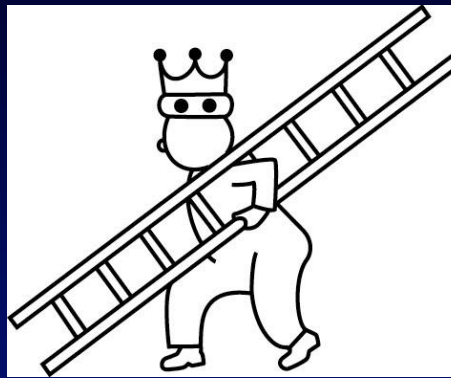
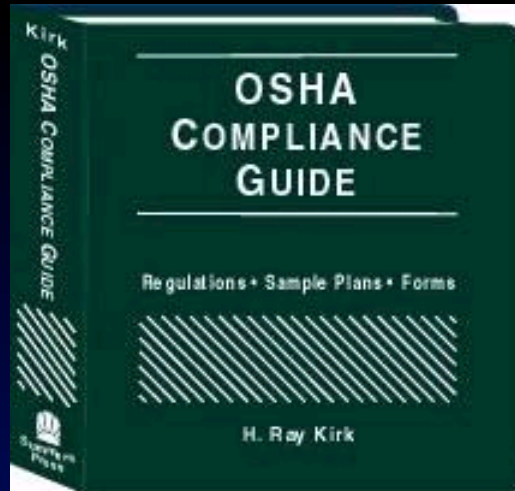


# The Ladder King Welcomes You!





## OSHA in the 90's

Subpart X Stairways & Ladders

Subpart M Fall Protection

Subpart L Scaffolding

# Scaffolding



# Boom or Man Lifts





# OSHA's 2008 Top Ten

- 1- Scaffolding
- 2- Hazard Communications
- 3- Fall Protection
- 4- Respiratory Protection
- 5- Lockout/Tag out
- 6- Electrical Wiring Methods
- 7- Powered Industrial Trucks
- 8- Ladders
- 9- Machine Guards
- 10- Electrical- Gen'l

# Ladder Issues

- 3 feet above roof line
- Wrong use
- Standing on Top Cap
- Defective “Out of Service”
- Stable and Level surfaces.

# Combination Ladder



# Wrong Ladder Uses

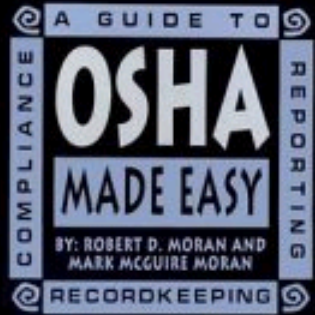




# Who Controls Ladders?

- OSHA
- ANSI A14's
- State Laws
- Manufacturers
- NIOSH-CDC
- CPSC
- U.L.
- Trade Associations





# OSHA CFR #29 Part 1926

Safety Standards for  
Stairways and Ladders  
Used in Construction & Industry

# Training Required

- Nature of Fall Hazards
- Fall Protection Systems (Fixed Ladders)
- Proper Construction, Use & Care
- Maximum Rated Loads
- Retraining



# ANSI A14 Standards

## Safety Requirements for Portable and Fixed Ladders





# A14 Contents for Manufacturers

- Materials & Specifications
- Construction Requirements
- Designs
- Labeling
- Testing & Test Methods

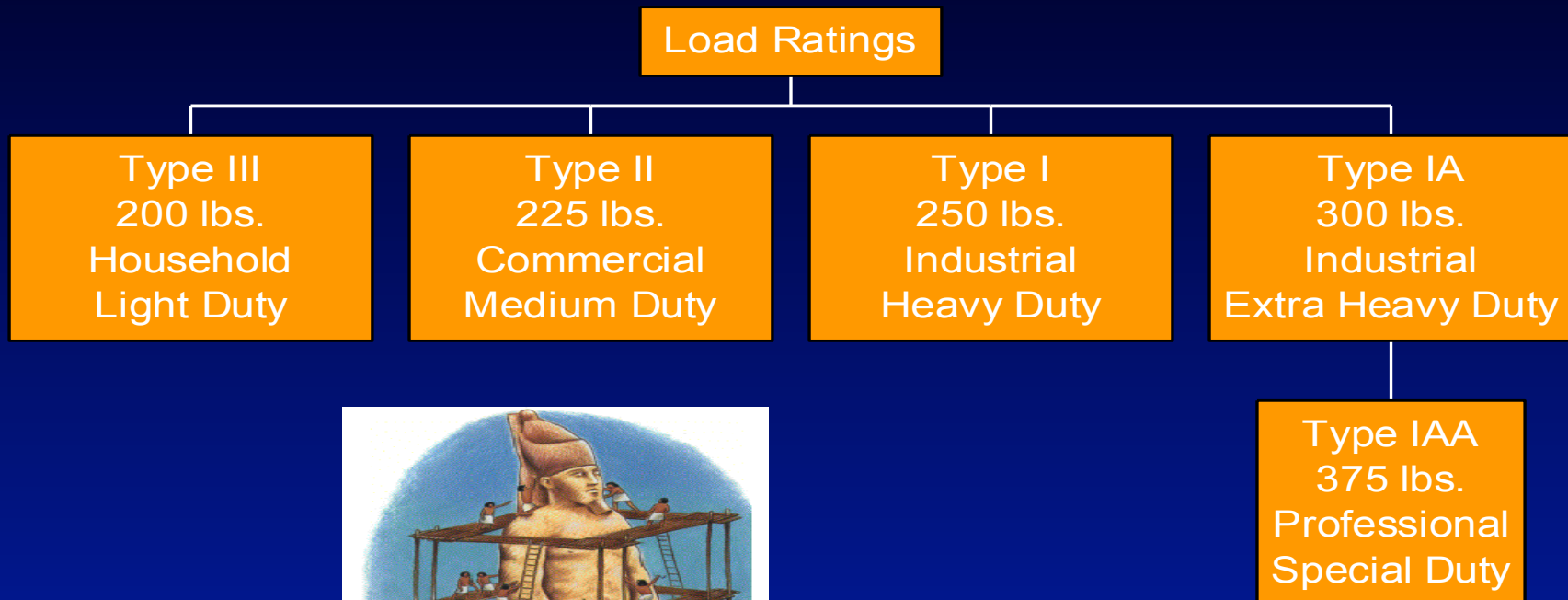


# A14 Contents for End Users

- Selection
- Care
- Use
- Accident Investigation
- Accident Data Gathering



# Load Ratings



# OSHA Ladder Specs

- Rails must be dressed (smooth)
- No Splinters
- No Snag Points
- 11-1/2 inches Between Rails
- No Structural Defects
- Repaired to Original

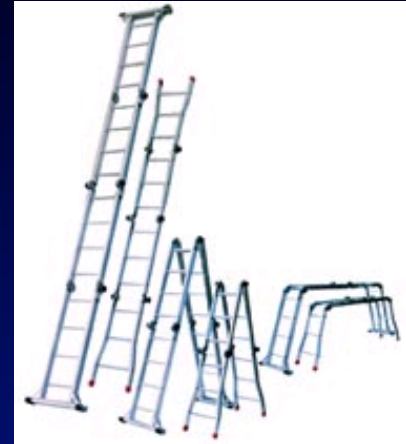




# Ladder Types

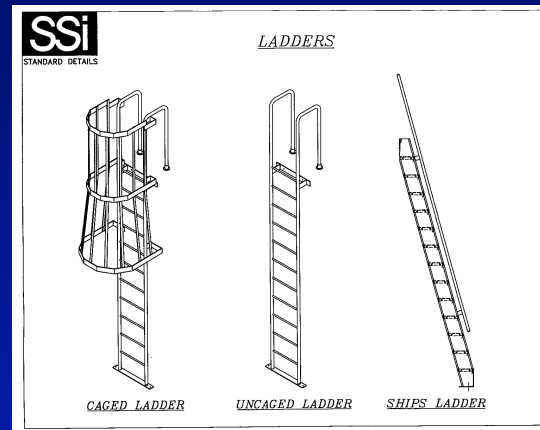
- Stepstools
- Stepladders
- Twin Front Stepladders
- Platform Ladders
- Trestle Ladders
- Shelf Ladders
- Tripod Ladders
- Single Ladders
- Extension Ladders
- Articulated Ladders
- Fixed Ladders
- Attic Stairways
- Rolling Ladders
- Rope Ladders
- Fire Escape

# Ladder Types



# Ladder Materials

- Wood
- Aluminum
- Fiberglass & Plastics
- Steel



# Wooden Ladders: Pros & Cons

- Tradition & Habits
- Sturdiness
- Limited Life Span?
- Costs
- Non-Conductive
- Weathering





# Wooden Ladders

- Painting of Rails is Prohibited
- No Opaque Coatings, Except Labels
- Clear Preservatives Only
- Penta-WoodLife-Coppers C81



# Aluminum Ladders: Pros & Cons

- Costs
- Light Weight
- Strong
- Weathering
- Conductive!!!



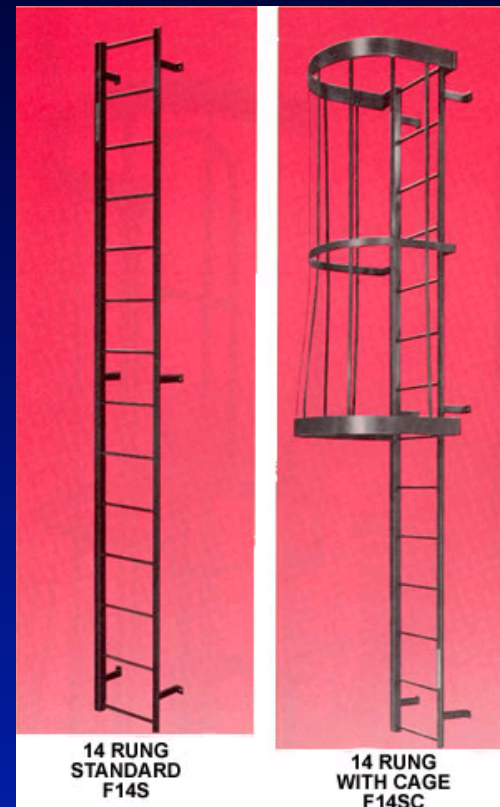
# Fiberglass Ladders: Pros & Cons

- Costs
- Weight
- Rail Colors
- Load Ratings
- Non-Conductive



# Steel Ladders: Pros & Cons

- Special Uses
- Durability
- Weathering



# Job Built Wooden Ladders

Union Carpenter Built

2 X 6 Rails

2 X 4 Steps/Rungs

Smooth Rails

Handrails

No Labels!





# Chicken or Roof Ladders (Needs Fall Protection)





# Labels & Markings



- Degrees of Info:
  - Notice
  - Safety First
  - Caution
  - Danger

# USE & CARE

Mostly Bad Examples



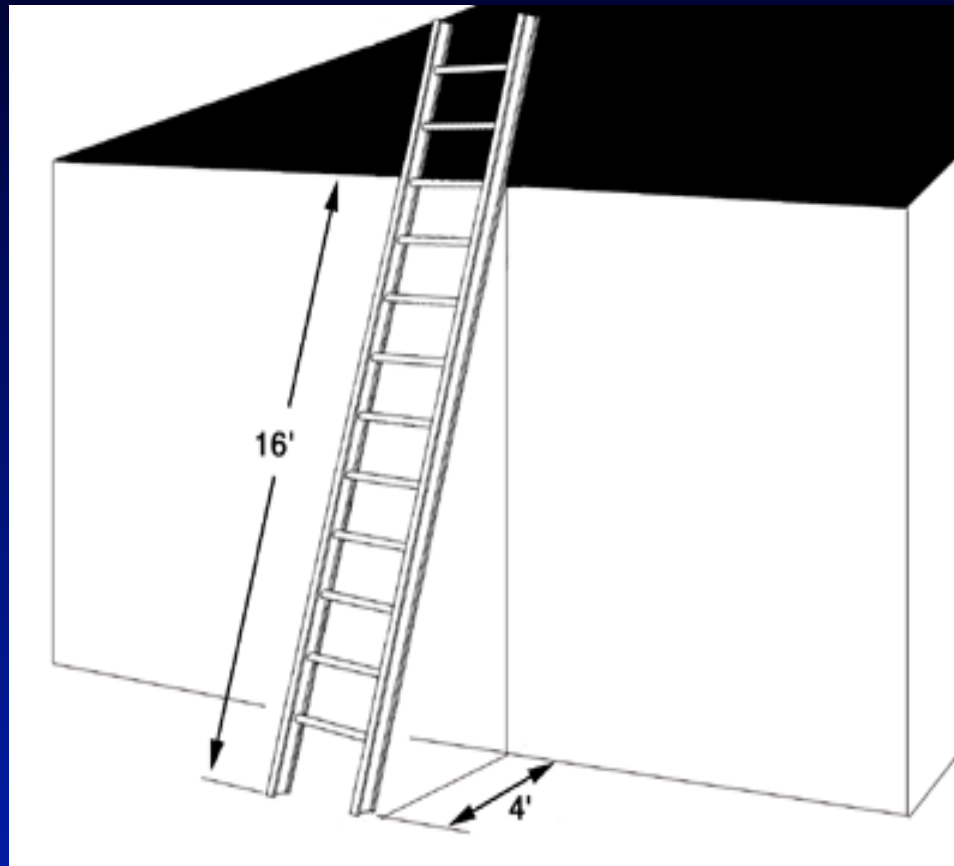
# Proper Use: Stabilizer



# Proper Use: Levelers



# Proper Use: Correct Set-Up



# Proper Use: Top & Bottom Securing





# Electrical Hazards

## MSAD-10 feet!





# Bad Use:



# Bad Use: Outside Storage



# Bad Use: Broken Lock



# Bad Use: Wrong Angle





# Bad Use: Climbing Back Section



# Bad Use: Ladder as Work Plank





# Bad Use: Should Use Extension



# Bad Use: Non-Intended Uses



# Unsafe Ladders

- Broken or Missing Rungs/Steps
- Broken Hinges, Locks or Shoes
- Weak Rung Joints
- Bowed Rails
- Excessive Wear
- Improvised Repairs



# Use Review

- Use for Intended Use
- 3-Point Climbing
- Fireman's Stance
- No Carrying Tools
- Do Not Stand on Top cap



# Care & Use

- Keep Ladders Clean
- Inspect Ladders
- Stable Surfaces
- Secure to Prevent Accidental Movement
- Two Rails or V-Bars
- 3 feet above roof line



# Proper Handling: Reduces Accidents





# Transporting & Storage



# Safety Info

- Videos
- Label Program
- Resource List
- How to Use
- How to Erect



# Literature



- Ladder & Scaffold
- Van Equipment
- Rental

# Why Buy from Lynn?

## Quality & Service





# What Else Do We Do ?

## Ladders-Scaffolding-T/E



- Manufacturer
- Retail
- Wholesale
- Rent
- Install

# Locations



- Lynn, MA
- Springfield, MA
- New Ipswich, NH
- Manchester, NH
- Orwigsburg, PA
- Washington, DC
- Charlotte, NC
- Myrtle Beach, SC



# Thank You !

