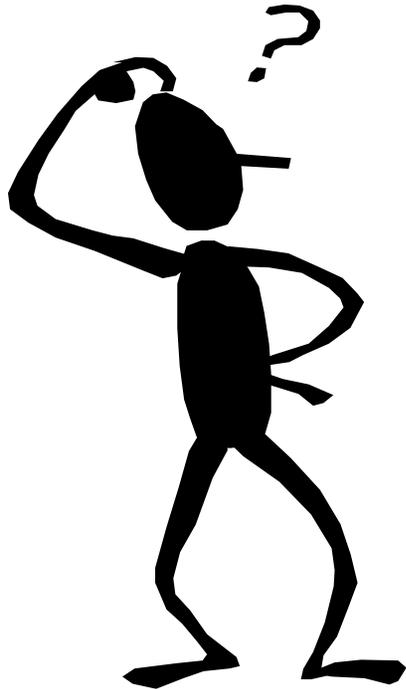
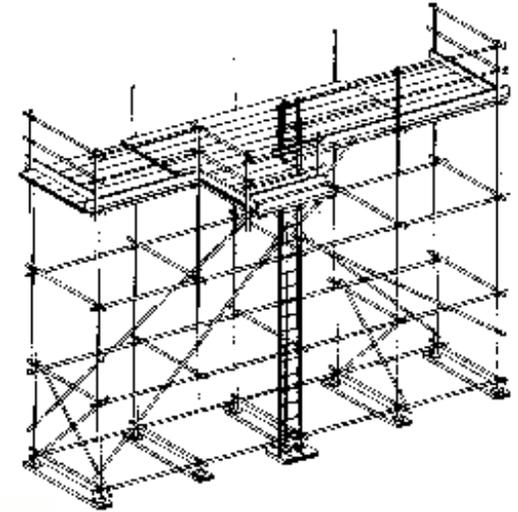


# FALL PROTECTION

- WHERE IS IT REQUIRED?
- FROM WHAT HEIGHTS?



# **FATAL FALL STATISTICS**

**5 YEAR PERIOD      1148 DEATHS**

<b>ROOFING.....</b>	<b>419</b>	<b>36%</b>
<b>STEEL/CONCRETE ERECTION....</b>	<b>264</b>	<b>23%</b>
<b>SCAFFOLDING....</b>	<b>214</b>	<b>19%</b>
<b>LADDERS/LIFTS PLATFORMS....</b>	<b>148</b>	<b>12%</b>
<b>OTHERS....</b>	<b>103</b>	<b>10%</b>

# TYPE OF FALL PROTECTION

TYPE OF	MEANS ALLOWED FOR PROVIDING FALL PROTECTION								
	Conventional Fall Protection								
WORK	Guardrails	Safety Net	PFAS	Covers	Position Device	Fence or Barricade	Fall Protection Plan**	Warning Line**	Control Access**
Unprotected Sides/Edges	XXX	XXX	XXX			XXX			
Leading Edge Work	XXX	XXX	XXX				XXX**	XXX**	
Hoist Area	XXX								
Holes and Openings	XXX			XXX		XXX			
Formwork & Reinforcing		XXX	XXX		XXX				
Ramps/Runways & Walkways++	XXX								
Excavations Pits, Shafts, Wells	XXX			XXX		XXX			
Dangerous Equipment On or Above	XXX	XXX							
Overhead Bricklayin	XXX	XXX							XXX
Low Slope Roof	XXX	XXX	XXX					XXX**	XXX**
Steep Roof	XXX	XXX	XXX						
PreCast Erection	XXX	XXX	XXX				XXX**		
Steel Erection Residential Construction	XXX	XXX	XXX				XXX**		
Wall Openings	XXX	XXX				XXX			

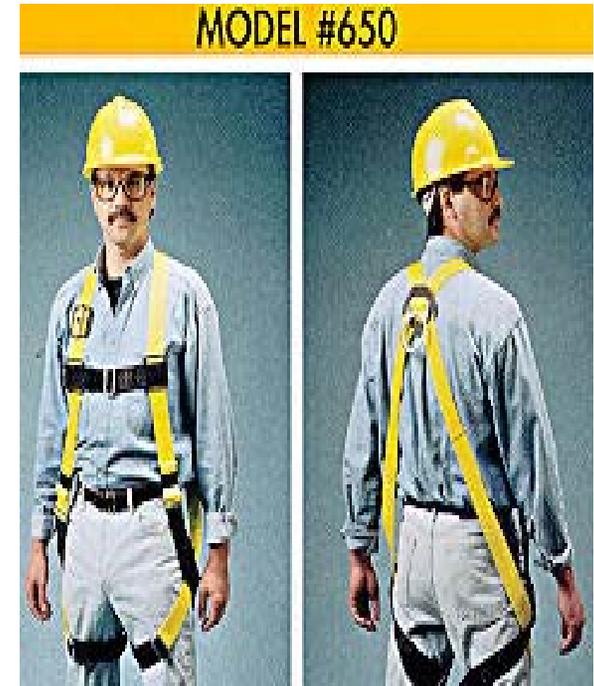
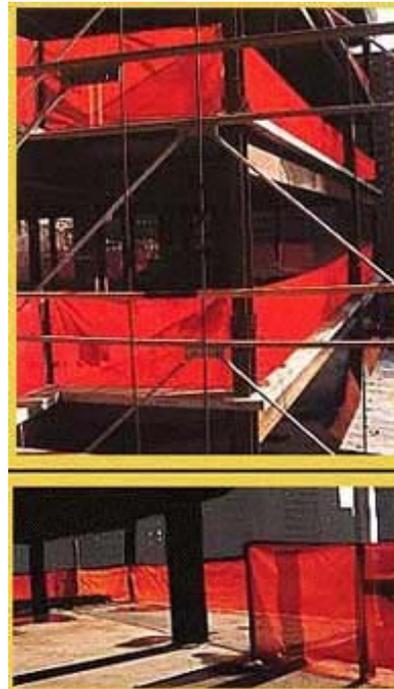
# Fall Protection Definitions



- Conventional Fall Protection System
- Fall Protection Plan
- Infeasible

# Conventional Fall Protection Systems (THREE ITEMS)

**(1) Standard Guardrail, (2) Safety Net, or (3) Personal Fall Arrest System (PFAS)**



# FALL PROTECTION PLAN

- ALLOWED TO BE DEVELOPED BY CONTRACTOR ONLY IF CONTRACTOR CAN DEMONSTRATE THAT IT IS INFEASIBLE OR CREATES A GREATER HAZARD TO US A CONVENTIONAL FALL PROTECTION SYSTEM! OSHA 1926.SUBPART M  
» APPENDIX E

# INFEASIBLE



- Means that it is **IMPOSSIBLE** to perform the construction work using a conventional fall protection system or that it is technologically impossible to use any of these systems to provide fall protection!

# **FALL PROTECTION DEFINITIONS**

- 1. CONTROLLED ACCESS ZONE (CAZ)**
- 2. WARNING LINE**
- 3. SAFETY MONITOR**

**Controlled Access Zone (CAZ): A zone to restrict access to leading edge work. CAZ is bound by a control line and should run the full length of the leading edge and connected on each side to a guardrail or wall. The control line can be made of rope, wire, tape or equivalent material and shall be supported by posts and marked with highly visible material. **CAZ IS USED WHEN A GUARDRAIL, FALL ARREST, OR SAFETY NET SYSTEM CAN NOT BE USED OR INSTALLED****

**WARNING LINE:** A barrier erected on a roof to warn workers that they are about to approach an unprotected roof, side or edge.

**Work outside barriers will require a fall protection system**

**SAFETY MONITOR:** A person who is designated to warn a person working on a roof that they are approaching an edge or location where a fall may take place.

**A SAFETY MONITOR IS NOT TO BE CONSIDERED A REPLACEMENT FOR ANY TYPE OF FALL PROTECTION SYSTEM!**

# **SAFETY MONITOR SYSTEM**

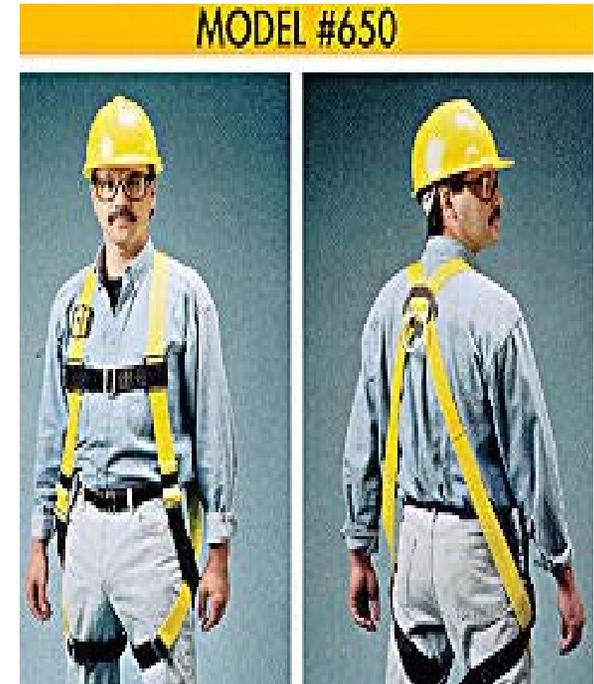
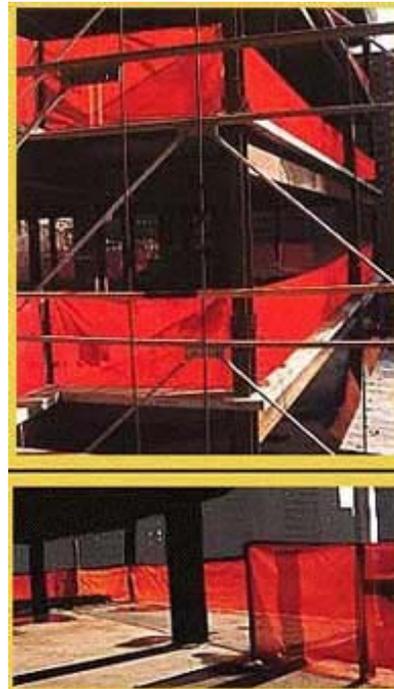
**INTENDED **ONLY** FOR CIRCUMSTANCES  
WHERE IT WAS NOT POSSIBLE TO  
PROVIDE OTHER MEANS OF PHYSICAL  
FALL PROTECTION. CAN **NOT** BE USED  
IN PLACE OF A CONVENTIONAL FALL  
PROTECTION SYSTEM!**

# **FALL PROTECTION QUESTIONS**

**WHAT THREE COMPONENTS MAKE  
UP A CONVENTIONAL FALL  
PROTECTION SYSTEM?**

# Conventional Fall Protection Systems (THREE ITEMS)

**(1) Standard Guardrail, (2) Safety Net, or (3) Personal Fall Arrest System (PFAS)**



# **FALL PROTECTION QUESTION**

**WHEN CAN THE CONTRACTOR  
SUBMIT A FALL PROTECTION PLAN?**

# FALL PROTECTION PLAN

- ALLOWED TO BE DEVELOPED BY CONTRACTOR ONLY IF CONTRACTOR CAN DEMONSTRATE THAT IT IS INFEASIBLE OR CREATES A GREATER HAZARD TO US A CONVENTIONAL FALL PROTECTION SYSTEM! OSHA 1926.SUBPART M  
» APPENDIX E

# **FALL PROTECTION QUESTION**

**WHAT DOES THE OSHA  
DEFINITION OF THE WORD  
“INFEASABLE” MEAN AS PER  
OSHA 1926 Subpart “M”?**

# INFEASIBLE



- Means that it is **IMPOSSIBLE** to perform the construction work using a conventional fall protection system or that it is technologically impossible to use any of these systems to provide fall protection!

# **FALL PROTECTION QUESTION**

**WHEN CAN A SAFETY MONITOR  
BE USED IN PLACE OF ANY  
FALL PROTECTION SYSTEM?**

# **SAFETY MONITOR SYSTEM**

**INTENDED **ONLY** FOR CIRCUMSTANCES WHERE IT WAS NOT POSSIBLE TO PROVIDE OTHER MEANS OF PHYSICAL FALL PROTECTION. CAN **NOT** BE USED IN PLACE OF A CONVENTIONAL FALL PROTECTION SYSTEM!**

**SPECIFICATION SECTION 01525**

**PARAGRAPH 3.3.3.3.1 “LOW SLOPED**

**ROOF” “Safety Monitor system is **NOT** **ADEQUATE FALL PROTECTION** AND IS**

**NOT AUTHORIZED!!**