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JSA / WHRA FORMS OVERVIEW

HOW TO USE THESE TOOLS EFFECTIVELY

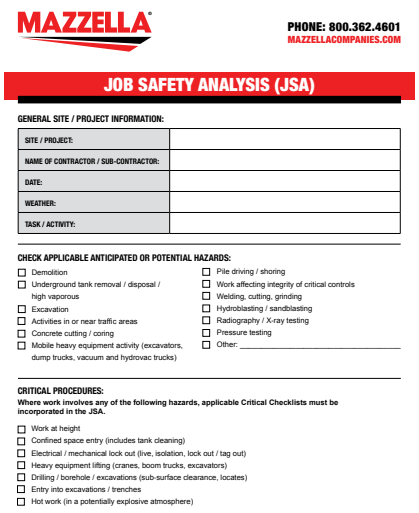
In this overview, we'll focus on the best way that you can use the **Job Safety Analysis form** and **Working at Height Risk Assessment form**, to prepare yourself for the conversations that need to take place with any third-party provider of fall protection equipment. On page 3, you'll find the Job Safety Analysis and on page 5, you'll find the Working at Height Risk Assessment forms.

USING YOUR JOB SAFETY ANALYSIS (JSA) FORM.

One of the first things that you can do to help keep your job site safe is to begin identifying hazards. A hazard is a condition, or a set of circumstances, that present a potential for harm. A hazard is often associated with a condition or activity that will cause illness (health hazard) or physical harm or injury (safety hazards).

Hazards are the main cause of occupational health and safety problems. The JSA focuses on the relationship between the worker, the task, the tools, and the work environment and identifies hazards before they occur. After a hazard is identified, a determination is made on how to control or eliminate the hazard altogether.

Take the time to assemble a practical team to help identify hazards in areas you might not be as familiar with. The more minds involved in filling out the JSA, the more complete the form will be when you reach out to a third-party provider for help. Remember, the JSA is not complete until you've both identified and then either controlled or eliminated the hazard.



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JOB SAFETY ANALYSIS (JSA)

GENERAL SITE / PROJECT INFORMATION:

SITE / PROJECT:	
NAME OF CONTRACTOR / SUB-CONTRACTOR:	
DATE:	
WEATHER:	
TASK / ACTIVITY:	

CHECK APPLICABLE ANTICIPATED OR POTENTIAL HAZARDS:

- ☐ Demolition
- ☐ Underground tank removal / disposal / high vaporous
- ☐ Excavation
- ☐ Activities in or near traffic areas
- ☐ Concrete cutting / coring
- ☐ Mobile heavy equipment activity (excavators, dump trucks, vacuum and hydrovac trucks)
- ☐ Pile driving / shoring
- ☐ Work affecting integrity of critical controls
- ☐ Welding, cutting, grinding
- ☐ Hydroblasting / sandblasting
- ☐ Radiography / X-ray testing
- ☐ Pressure testing
- ☐ Other: _____

CRITICAL PROCEDURES:
Where work involves any of the following hazards, applicable Critical Checklists must be incorporated in the JSA.

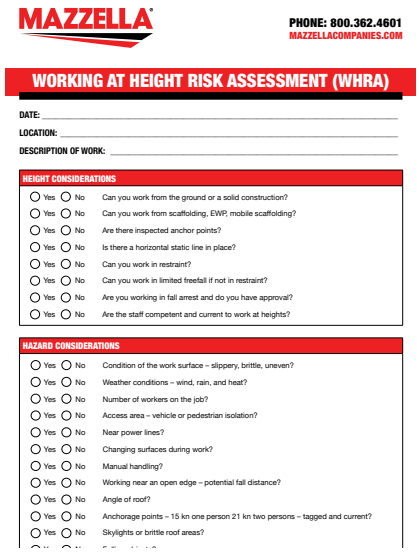
- ☐ Work at height
- ☐ Confined space entry (includes tank cleaning)
- ☐ Electrical / mechanical lock out (live, isolation, lock out / tag out)
- ☐ Heavy equipment lifting (cranes, boom trucks, excavators)
- ☐ Drilling / borehole / excavations (sub-surface clearance, locates)
- ☐ Entry into excavations / trenches
- ☐ Hot work (in a potentially explosive atmosphere)

USING YOUR WORKING AT HEIGHT RISK ASSESSMENT (WHRA) FORM.

In the same way the JSA form walks through hazards around your job site, the Working at Height Risk Assessment form focuses specifically on the worker at height. Our recommend best practice is to complete your JSA first so you can use it as a reference point while working on your WHRA.

You'll need to think of the worker both now and in the future. What are their current working conditions? What if the weather conditions change? What if other workers need to perform tasks next to or beneath them? Can your current system support that safely?

In the same way you assembled a practical team to identify hazards all over your job site, it's best practice to bring in any members of your crew that are working at height and do a deep dive into their day-to-day routines. They may have insight into potential hazards that you may not have considered.



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WORKING AT HEIGHT RISK ASSESSMENT (WHRA)

DATE: _____
LOCATION: _____
DESCRIPTION OF WORK: _____

HEIGHT CONSIDERATIONS

○ Yes ○ No	Can you work from the ground or a solid construction?
○ Yes ○ No	Can you work from scaffolding, EWP, mobile scaffolding?
○ Yes ○ No	Are there inspected anchor points?
○ Yes ○ No	Is there a horizontal static line in place?
○ Yes ○ No	Can you work in restraint?
○ Yes ○ No	Can you work in limited freefall if not in restraint?
○ Yes ○ No	Are you working in fall arrest and do you have approval?
○ Yes ○ No	Are the staff competent and current to work at heights?

HAZARD CONSIDERATIONS

○ Yes ○ No	Condition of the work surface – slippery, brittle, uneven?
○ Yes ○ No	Weather conditions – wind, rain, and heat?
○ Yes ○ No	Number of workers on the job?
○ Yes ○ No	Access area – vehicle or pedestrian isolation?
○ Yes ○ No	Near power lines?
○ Yes ○ No	Changing surfaces during work?
○ Yes ○ No	Manual handling?
○ Yes ○ No	Working near an open edge – potential fall distance?
○ Yes ○ No	Angle of roof?
○ Yes ○ No	Anchorage points – 15 kn one person 21 kn two persons – tagged and current?
○ Yes ○ No	Skylights or brittle roof areas?

JSA / WHRA FORMS OVERVIEW

WHAT COMES NEXT AFTER COMPLETING THE JSA AND WHRA?

With both forms complete, you've got a solid grasp of the hazards your workers may come into contact with both on your job site and working at height. Now all that is left to do, is to reach out to a third-party provider to discuss potential solutions to the hazards.

The more information you have about your job site, the better those conversations will be. Ask specific questions, get multiple quotes, and make sure you've done all you can to ensure the safety of your workers and help protect your company by staying compliant within industry standards.

GET STARTED ON THE NEXT PAGE ...

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JOB SAFETY ANALYSIS (JSA)

GENERAL SITE / PROJECT INFORMATION:

SITE / PROJECT:	
NAME OF CONTRACTOR / SUB-CONTRACTOR:	
DATE:	
WEATHER:	
TASK / ACTIVITY:	

CHECK APPLICABLE ANTICIPATED OR POTENTIAL HAZARDS:

- ☐ Demolition
- ☐ Underground tank removal / disposal / high vaporous
- ☐ Excavation
- ☐ Activities in or near traffic areas
- ☐ Concrete cutting / coring
- ☐ Mobile heavy equipment activity (excavators, dump trucks, vacuum and hydrovac trucks)
- ☐ Pile driving / shoring
- ☐ Work affecting integrity of critical controls
- ☐ Welding, cutting, grinding
- ☐ Hydroblasting / sandblasting
- ☐ Radiography / X-ray testing
- ☐ Pressure testing
- ☐ Other: _____

CRITICAL PROCEDURES:

Where work involves any of the following hazards, applicable Critical Checklists must be incorporated in the JSA.

- ☐ Work at height
- ☐ Confined space entry (includes tank cleaning)
- ☐ Electrical / mechanical lock out (live, isolation, lock out / tag out)
- ☐ Heavy equipment lifting (cranes, boom trucks, excavators)
- ☐ Drilling / borehole / excavations (sub-surface clearance, locates)
- ☐ Entry into excavations / trenches
- ☐ Hot work (in a potentially explosive atmosphere)

JOB SAFETY ANALYSIS (JSA)

ENSURE THAT ALL HAZARDS IDENTIFIED ARE ADDRESSED IN JSA BELOW:

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	SAFETY CONTROLS TO REDUCE OR ELIMINATE HAZARD
Order in which the work will be carried out and brief details of how tasks will be performed.	Examples: Underground services, hazardous zone area, impacted soil, overhead power lines, adjacent works, etc.	Describe the precautions that will be taken.
1		
2		
3		

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WORKING AT HEIGHT RISK ASSESSMENT (WHRA)

DATE: _____

LOCATION: _____

DESCRIPTION OF WORK: _____

HEIGHT CONSIDERATIONS

◯ Yes	◯ No	Can you work from the ground or a solid construction?
◯ Yes	◯ No	Can you work from scaffolding, EWP, mobile scaffolding?
◯ Yes	◯ No	Are there inspected anchor points?
◯ Yes	◯ No	Is there a horizontal static line in place?
◯ Yes	◯ No	Can you work in restraint?
◯ Yes	◯ No	Can you work in limited freefall if not in restraint?
◯ Yes	◯ No	Are you working in fall arrest and do you have approval?
◯ Yes	◯ No	Are the staff competent and current to work at heights?

HAZARD CONSIDERATIONS

◯ Yes	◯ No	Condition of the work surface – slippery, brittle, uneven?
◯ Yes	◯ No	Weather conditions – wind, rain, and heat?
◯ Yes	◯ No	Number of workers on the job?
◯ Yes	◯ No	Access area – vehicle or pedestrian isolation?
◯ Yes	◯ No	Near power lines?
◯ Yes	◯ No	Changing surfaces during work?
◯ Yes	◯ No	Manual handling?
◯ Yes	◯ No	Working near an open edge – potential fall distance?
◯ Yes	◯ No	Angle of roof?
◯ Yes	◯ No	Anchorage points – 15 kn one person 21 kn two persons – tagged and current?
◯ Yes	◯ No	Skylights or brittle roof areas?
◯ Yes	◯ No	Falling objects?

WORKING AT HEIGHT RISK ASSESSMENT (WHRA)

POTENTIAL HAZARDS	DESCRIPTION / COMMENT	CONTROL
Weather – wind, rain, or heat		–
Height of work – potential fall distance		Fall arrest Approx. 22 ft (6.7m) minimum
Hazardous substances		Remove, isolate, appropriate PPE
Electrical wires		Distance – up to 132,0000v 3m, 132,000v to 330,000v 6m over 330,000v
Condition / angle of the roof		Over 30 degrees must be on line
Fragile roofing materials		Walkways
Ladders		4:1 angle, secure top and bottom, three points of contact
Ladder anchorage		Top and bottom
Fall area obstacles		Remove if possible
Vehicle / pedestrian traffic		Barricades and signage
Uneven, slippery, or unstable walkways		Walkways?
Sun protection		Hat, long sleeves, and sun screen
Harmful noise		Hearing protection
Scaffolding – Tagged		Inspection by qualified scaffolder
Scaffolding – Access via inbuilt ladders		
Scaffolding – No portable ladders		
Scaffolding – Stable and compete		
Suspension trauma		Toxic shock straps
Lanyard length		Use a rope grab
Hand tools		Use tool lanyard
Anchor point rating		Approx. 3,372 lbs (15kn) - one person, Approx. 4,721 lbs (21kn) - two people
Anchor point condition		No damage
Inadequate anchor points		Temporary anchors
Structure suitable for anchor sling		Check rating
First aid and emergency procedures		–
Other		–
Working in fall arrest	Rescue plan	Rehearsed
Training and competency of workers	In date	Last two years

WORKING AT HEIGHT RISK ASSESSMENT (WHRA)

EMERGENCY CONTACT INFORMATION	NUMBER
Ambulance, Fire, or Police	
Main Gate / Security	
Number of qualified persons required for rescue – not including standby person.	

EMERGENCY RESCUE PLAN

Rehearsed prior to commencement of work

- Communicate with victim
- Maintain circulation – toxic shock straps, leg movement, portable ladder, etc.
- Continuously monitor victim for consciousness
- Call emergency services
- Activate emergency rescue plan
- When recovering victim, be aware of suspension trauma
- ABC – CPR as required
- First aid

PPE ALLOCATED FOR RESCUE

Onsite, setup and ready to go prior to work commencing

◯ Yes	◯ No	GOTCHA Rescue Kit
◯ Yes	◯ No	Pole Top Rescue Kit
◯ Yes	◯ No	Stretcher
◯ Yes	◯ No	Catch Nets
◯ Yes	◯ No	First Aid Kit
◯ Yes	◯ No	Harnesses
◯ Yes	◯ No	Recovery Lines
◯ Yes	◯ No	Use of EWP
◯ Yes	◯ No	Use of Man Cage
◯ Yes	◯ No	Anchor Points
◯ Yes	◯ No	Temporary Anchors
◯ Yes	◯ No	Carabiners
◯ Yes	◯ No	Gloves
◯ Yes	◯ No	Access Equipment

COMPETENT RISK ASSESSING OFFICER

NAME: _____

SIGNATURE: _____