

OPERATOR'S MANUAL



The Aluminum C-Stirrup is a lightweight, versatile support system for suspended platforms. Designed for maximum efficiency, this stirrup offers a 34% weight reduction compared to the steel Low Profile C-Stirrup, allowing for higher platform load capacities and enhanced productivity on the job site.

This innovative support system is not only lightweight but also extremely versatile, folding easily for quick transport and storage with just the removal of a single hitch pin. Its compact size allows it to fit through tight spaces, such as boiler hatches, ensuring access to even the most challenging work environments.

The tool-free mounting system makes positioning the stirrup with suspension points anywhere along the platform quick and easy. Interior workspace is maximized thanks to the universal hoist mounting bracket positioned outside the platform. The absence of structural welds ensures superior safety, ease of maintenance, and simplified inspections.

Part No.: 934150

Load Capacity: 1,500 lb

Dimensions:

Default: 73.6" x 8.3" x 46.1" (HxWxD) Collapsed: 86.9" x 8.3" x 29.6" (HxWxD)

Weight: 78 lb

Construction: Aluminum with steel hoist mount

assembly & toeboard bracket

Compatibility: All UP-STAGE & Altrex platforms

Accessories:

SPECIFICATIONS

934151 - Mast tube Extension

920152 - Bolt-on Secondary Wire Rope Sheave

Assembly

934150-09 - Bolt-on Mid-rail Mont



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⚠ GENERAL WARNING - READ FIRST ⚠

Safety is a matter of life or death for riggers, operators and by-standers. This warning is your share of duties for achieving safety.

Your duty to understand and comply:

- It is imperative for safety and efficiency of operations that this manual be read and fully understood by the rigger and the operator before rigging and using this equipment. All instructions contained herein must be carefully and strictly followed, including applicable Bee Access guidelines.
- Should you hand over this equipment under any conditions, to any party operating out of your control, you must attach a clean copy of this manual and draw to other party's attention that strictly following all the instructions therein is a matter of life or death.
- 3. Before using this equipment, the rigger and the operator must become aware of all requirements of federal, state, provincial and local safety regulations, applicable to the entire suspended scaffold system and any component of it.
- 4. Never load this equipment above its rated load capacity.
- Bee Access declines any responsibility for any special layouts, rigging or structural combinations beyond the descriptions of this manual.
- Bee Access declines any responsibility for any other use of this equipment, than described in this manual.

Your duty to inspect and maintain:

- Keep this manual available at all times for easy reference whenever required. Extra copies are available from Bee Access and/or your equipment supplier.
- 8. Carefully take notice of all labels affixed to the equipment. Never rig or operate this equipment if any label, normally fixed on it is obscured or missing. Replacement labels are available from Bee Access and/or your equipment supplier.
- 9. Every time the suspended scaffold is to be rigged or used, check that the Tieback Anchor, rigging, hoists, platform and other components are complete and in good working condition, prior to proceeding. All wire ropes and safety lines and their protective sleeves should be inspected at the beginning of every shift. Check for wear and abrasion due to contact with rigging equipment and/or the building structure.
- 10. Daily inspection before use is to be carried out by a competent person. Thoroughly check overall condition for bent, damaged or worn parts and broken welds. A signed and dated inspection record should be maintained for these purposes.
- 11. Make sure to comply with inspection and maintenance guidelines of all other components used in the suspended scaffold system.
- 12. Bee Access declines any responsibility for consequences of repairs or modifications brought out of its control to the product, specifically by replacement of original parts or repairs by another manufacturer.

Your duty to train and control people:

Compliance with safety rules extends to rigging operations which must be carried out only after securing safe conditions of operation as per safety regulations and requirements.

- 13. An operator must not be assigned to rigging, de-rigging, moving or operating a suspended scaffold if that person is not:
 - a. Mentally and physically fit for the purpose, especially at heights
 - b. Competent for the job to be performed
 - c. Familiar with the scaffold equipment as rigged
 - d. Professionally trained for working under the above requirements
- 14. Never let the equipment be moved or operated by unauthorized personnel. Keep the equipment, either rigged or unrigged, out of reach of unauthorized persons, while out of operation.
- 15. Every suspended job must be placed under the control of a person having the required competence and authority for checking that all the instructions prescribed by this manual be regularly and efficiently carried out.

Your duty to safety of the entire scaffold system:

A suspended scaffold system is made up of numerous pieces of equipment; all of these components can contribute to the required safety only if:

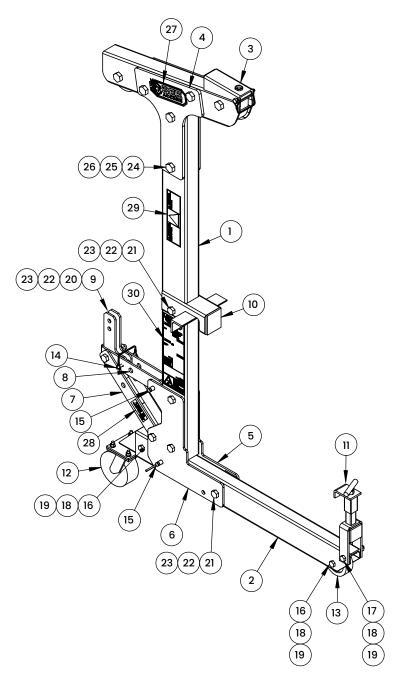
- 16. Other components meet the requirements of the applicable safety regulations and requirements, are of the proper quality, assembled to form a safe and efficient suspended system and compatibility is approved by Bee Access.
- 17. The supporting structure and tie-backs can withstand every load to be applied, either static or dynamic, during rigging or operating of the suspended scaffold equipment.
- 18. All the requirements in strength and resistance are obtained with the necessary safety coefficients (call your supplier for regulations and professional standards).
- 19. All the calculations, design and subsequent work necessary to meet the above requirements have been made by a competent person on the basis of proper technical information regarding the site.

NOTE: This manual is neither a regulations compliance manual nor a general training guide on suspended scaffold operations. You must refer to proper instructions delivered by your supplier of the other pieces of equipment included in your suspended scaffold installation. Whenever calculations and specific rigging and handling are involved, the operator should be professionally trained to that end and secure relevant information prior to commencing such work.

Read and comply with the "Code of Safe Practices for Suspended Powered Scaffolds" issued by the Scaffold Industry Association (also available from Bee Access or your supplier).



PARTS LIST

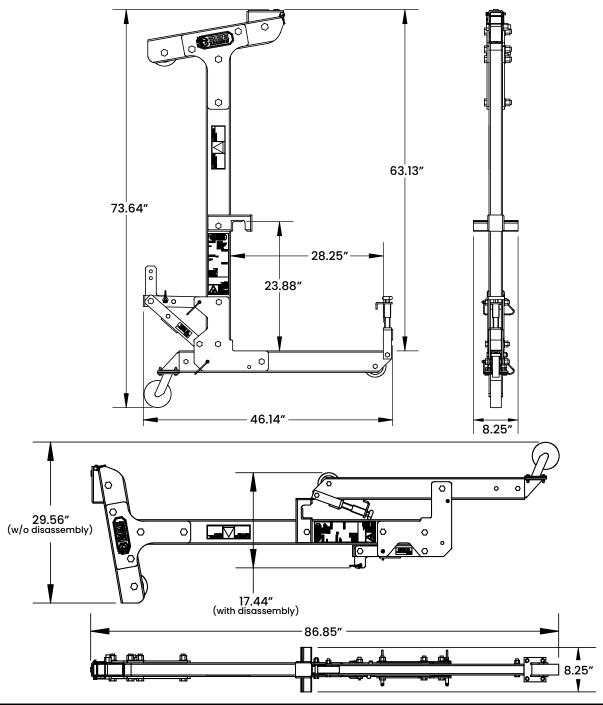


Item	Qty.	Part No.	Description		
1	1	934150-90	Mast Tube		
2	1	934150-91	Base Tube		
3	1	934150-01	Sheave Box Assembly		
4	2	934150-92	T Brace		
5	1	934150-02a	Weldment, L brace, left		
6	1	934150-02b	Weldment, L brace, right		
7	1	934150-03	Hoist Mount Diagonal		
8	1	934150-04	Hoist Mount Horizontal		
9	1	934150-05	Hoist Mount Vertical		
10	1	934150-06	Midrail Bracket		
-11	1	934150-07	Toeboard Bracket		
12	1	934150-08	Caster Stem Assembly		
13	1	834108	Wheel, 4in.		
14	1	934150-18	Hitch Pin 5/16" x 2-7/8"		
15	2	110112	Hitch Pin, 1/2" x 3.5"		
16	2	110253-0	Bolt 1/2"-13 x 3"		
17	1	110253-5	Bolt 1/2"-13 x 3.5"		
18	3	110451	Washer, 1/2" Flat		
19	3	110352	Nut, Lock 1/2"-13		
20	1	110273-5	Bolt 5/8"-11 x 3.5"		
21	5	110274-0	Bolt 5/8"-11 x 4"		
22	6	110471	Washer, 5/8 Flat		
23	6	110372	Nut, Lock 5/8"-11		
24	4	110284-5	Bolt 3/4"-10 x 4.5"		
25	4	110481	Washer, 3/4" Flat		
26	4	110382	Nut, Lock 3/4"-10		
27	1	LB-LOGO25	Label, Bee Logo-2.5"		
28	1	LB-1500	Label, "1500 lb Capacity"		
29	1	WL-FALL	Warning Label, Fall Hazard		
30	1	LB-ALP	Alu. C-Stirrup HMB Setup		

Spare parts used for all equipment must be in accordance with the product, no substitutions are allowed.



DIMENSIONS

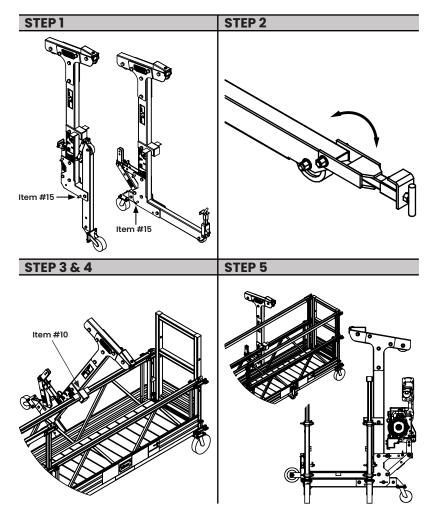


MARNING

Any assembly of this equipment other than in strict accordance with these instructions shall be at the Operator's risk and may result in death or serious injury.



ASSEMBLY & INSTALLATION INSTRUCTIONS Mounting Stirrup to Platform



$oldsymbol{\wedge}$ WARNING

- It is the user's responsibility to read and understand the warnings listed on this page and to use the equipment with these warnings in mind.
- Any installation/use of this equipment other than in strict accordance with these
 instructions shall be at the operator's risk and may result in death or serious injury.
- It is the user's responsibility to ensure that the distance between rigging points is equal
 to the distance between the hoist suspension points.
- · Make sure the warning labels are present and legible.
- Do not alter the product and never use it for purposes in which it was not intended.
- · Use only Bee Access provided hardware. Do not substitute.
- Inspect all equipment before use.
- Never use damaged equipment.
- Torque hardware to manufacturer's specifications.

NOTE:

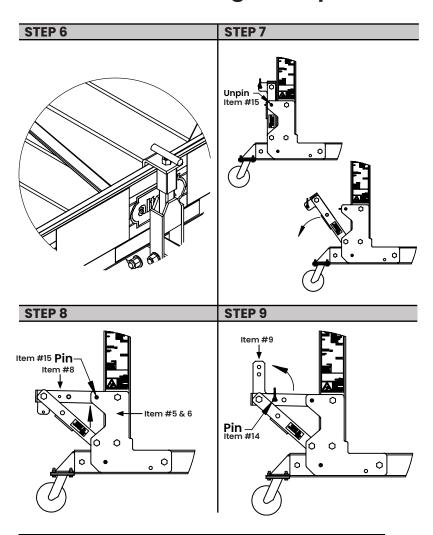
Assembly and operation must be performed or supervised by a trained and competent person. Read and fully understand these instructions before proceeding with assembly/installation. Inspect all nuts to make sure they are functional and properly secured before every use. Fasten all bolts snug-tight (1/3 to 1/2 turn past pretensioning) unless otherwise specified. Make sure warning/rating labels are in place, legible and have been read.

Assembly & Installation Instructions:

- 1. If the stirrup is in the collapsed configuration, remove the ½"x3.5" Hitch Pin (Item #15) at the bottom of the weldment braces and rotate the stirrup Base Tube (Item #2) so that it is perpendicular to the Mast Tube (Item #1). Reinstall the ½"x3.5" Hitch pin into the rear hole of the Left and Right L-Brace (Item # 5 & 6) to secure the Base Tube into its working position.
- 2. Loosen the Toeboard Bracket (Item #11) and fold it outward.
- 3. Remove the upper guardrail on the side of the platform that the stirrup will be mounted to.
- 4. Angle the stirrup at 45 degrees inwards towards the platform and place the Midrail Bracket (Item #10) on top of the midrail in the installation location.
- 5. Rotate the stirrup so that it sits flush on the underside of the platform and position/slide the stirrup into the desired location. Ensure that the stirrup placements are in line with the rigging equipment so the wire ropes are plumb. Reinstall the upper guardrail. NOTE: Make sure the resulting cantilever is approved for use.



ASSEMBLY & INSTALLATION INSTRUCTIONS Mounting Stirrup to Platform (continued)



Assembly & Installation Instructions (continued):

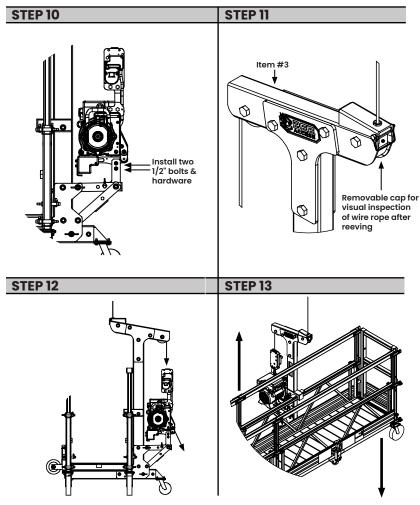
- 6. Attach the Toeboard Bracket to the side frame toeboard and hand-tighten the T-Handle until snug. Do NOT over-tighten.
- 7. Remove the 1/2"x3.5" Hitch Pin (Item #15) securing the Hoist Mount Diagonal (Item #7) and pull it outward.
- 8. Raise the Hoist Mount Horizontal (Item #8) and install the 1/2"x3.5" Hitch Pin (Item #15) to the the top hole of the Left and Right L-Brace (Item #5 & 6).
- 9. Raise the Hoist Mount Vertical (Item #9) so that the hoist pickup is pointed upward and install the 5/16" x 2-7/8" Hitch Pin (Item #14) to secure it in place.

⚠WARNING

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- Any installation/use of this equipment other than in strict accordance with these
 instructions shall be at the operator's risk and may result in death or serious injury.
- It is the user's responsibility to ensure that the distance between rigging points is equal
 to the distance between the hoist suspension points.
- · Make sure the warning labels are present and legible.
- Do not alter the product and never use it for purposes in which it was not intended.
- Use only Bee Access provided hardware. Do not substitute.
- Inspect all equipment before use.
- Never use damaged equipment.
- Torque hardware to manufacturer's specifications.



ASSEMBLY & INSTALLATION INSTRUCTIONS Installing the Hoist and Reeving the Wire Rope



Tools Required:

- 3/4" socket w/ ratchet
- 3/4" wrench or adj. wrench

<u>Assembly & Installation Instructions (continued):</u>

- 10. Using the required tools, attach the hoist to the Hoist Mount Vertical with the 1/2" hardware provided and tighten to 56 ft. lb. (76 nm). NOTE: Hoist can be self powered into position for easier installation onto the stirrup.
- II. Reeve the primary suspension wire rope through the inlet cable guide at the top of the Sheave Box Assembly (Item #3) and feed it through until it comes out the back. Verify that the wire rope is sitting properly in the sheave grooves by removing the front cap from the Sheave Box Assembly for visual inspection.
- 12. Reeve the wire rope through the hoist and out the bottom.
- 13. Check that the hoist raises the platform slightly off the ground and lower back to the ground using the hoist controls.
- 14. Using the Aluminum C-Stirrup Pre-Operation Checklist on page 10, inspect that the stirrup is installed correctly and free of damage or missing parts.

∧ WARNING

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- · Use only Bee Access provided hardware. Do not substitute.
- Inspect all equipment before use.
- Never use damaged equipment.
- Torque hardware to manufacturer's specifications.



OPERATING INSTRUCTIONS



NOTE:

- All pictures and drawings in this manual are for illustrative purposes only.
- This manual is intended for general information only. Because of the many variables which affect the performance of this equipment, some of the information in this manual may not apply. For specific applications, contact Bee Access.
- Erection, use, maintenance, and disassembly must conform to current Bee Access instructions as well as ALL federal, state, provincial, and local regulations.

MARNING

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 instructions shall be at the operator's risk and may result in death or serious injury.
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- Do not alter the product and never use it for purposes in which it was not intended.
- · Use only Bee Access provided hardware. Do not substitute.
- Inspect all equipment before use.
- Never use damaged equipment.
- Torque hardware to manufacturer's specifications.

Operation Instructions:

 Perform the pre-operation inspection using the Aluminum C-Stirrup Pre-Operation Checklist on page 10. After the inspection is completed, commence using the platform.

Warning:

- Never overload the hoist, platform or stirrups.
 Check the allowable platform and stirrup load ratings.
- 2. DO NOT alter the equipment in any way and DO NOT use in ways for which it was not intended.
- 3. Keep the platform level at all times.
- 4. Keep the equipment clean and make sure it is inspected and maintained prior to use by a competent person.
- 5. DO NOT use acids and keep the platform free from debris, especially oil or grease which can cause a slipping hazard.
- 6. NEVER take chances! If in doubt regarding the safety or use of the suspended scaffold system, consult a competent person, your supervisor and/or supplier.

Before/During Use:

- Listen for any unusual noises while traveling up and down that could indicate a problem with the stirrup alignment and/or pulleys.
- 2. Inspect the wire rope during ascent and descent for damage. DO NOT use wire rope that is kinked, birdcaged, corroded, undersized or damaged in any way. Always allow the wire rope to rotate freely below the hoist.
- 3. Always use and attach to fall protection equipment when working on suspended scaffolds, or near unprotected edges.
- 4. DO NOT operate the suspended platform within 10 ft of electrical power lines, unless proper precautions are taken. Consult the power service company for advice.
- 5. DO NOT use the platform when the wind speed exceeds 25 miles/hour (40 km/hour).



PRE-OPERATION CHECKLIST

This checklist provides general inspection guidelines concerning this stirrup. Be aware that this checklist is not all inclusive and report any unusual findings beyond this check list.

External conditions such as misuse, abuse and long term factors such as weather, wear and fatigue, can severely weaken components to the point where they can become unsafe for use. The purpose of this checklist is to spot any defects before they become a hazard. In addition, check the instruction manuals and warning labels of all other components of the suspended scaffold system for additional information on its use and inspection procedures. Perform a thorough component check prior to each use of this equipment.

WARNING: Failure to check the equipment prior to each use can result in death or serious injury.

If you check off any boxes under "YES" or you are in doubt about any item, immediately contact your supervisor or supplier and **DO NOT** use this equipment until the problem is corrected.

YES	NO			
		Cracked or torn welds.		
		Cracked, deformed or missing parts that could weaken the component(s).		
		Deformations that do not allow proper installation or operation		
		Missing or illegible labels.		
		Missing or defective parts.		
		Missing Quick Pins or Lynch Pins where applicable.		
		Penetrating rust (surface rust is acceptable). When in doubt, consult a competent person.		
		Excessive dirt and debris that interferes with installation or operation.		
		Worn pulleys and/or bearings.		
		Worn inlet cable guides.		
		Worn lock nuts and/or other defective or missing fastening hardware.		
		Make sure that the stirrups are aligned directly under their suspension points.		
		Inlet guides are present and in working condition.		
Inspected by:				
Sign	ature:			
Date	e:			

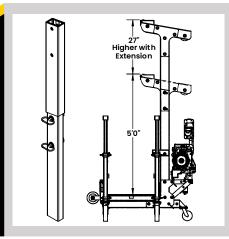


LABELS





OPTIONAL ACCESSORIES



MAST EXTENSION

Part #: 934151

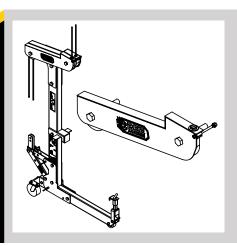
Dimensions: 59.3" x 4.5" x 2.5" (H x D x W)

Weight: 20 lb

Construction: Aluminum

Description: The optional mast tube extension, increases the sheave box assembly height from 5ft to just over 7ft for improved stability, particularly with workcages or when using porch brackets. Simply unbolt the sheave box from the mast tube and reattached it to the extension. Insert the extension into the mast tube and secure in place

with the two supplied 3/4" x 3/5" Hitch Pins.



BOLT-ON SECONDARY WIRE ROPE ASSEMBLY

Part #: 934152

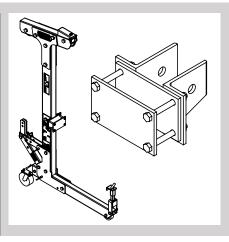
Dimensions: 7.5" x 6" x 26.2" (H x D x W)

Weight: 7 lb

Construction: Aluminum

Description: Can be bolted on either side of the sheave box to guide

a second wire rope through a hoist mounted safety device.



BOLT-ON MID-RAIL MOUNT

Part #: 934150-09

Dimensions: 4" x 6.3" x 6.5" (H x D x W)

Weight: 6 lb

Construction: Steel **Finish:** Galvanized

Description: Use in combination with the post tube extension, or when

installing on a 1/2M or 1M work cage for added stability.

SUSPENDED SCAFFOLD PRE-OPERATION CHECKLIST

This checklist provides a guideline to identify any potential hazards in the design, installation and/or defects of the equipment to make sure the suspended scaffold system is safe for use. Be aware that this checklist is not all inclusive and that manufacturer's operating instructions and labels must be followed in conjunction with this checklist. Read and understand the CODE OF SAFE PRACTICES published by the Scaffold & Access Industry Association. Follow federal and local safety standards.

If you check off any boxes under "NO", or are in doubt about any item, immediately contact your supervisor or supplier and do not use this equipment until the problem is corrected.

YES	NO	RIGGING EQUIPMENT	YES	NO	SUSPENDED PLATFORM
		A competent person has determined that the structure is able to support the loads imposed by the rigging equipment.			The platform is of proper design for the application and has been correctly assembled per the manufacturer's instructions.
	The rigging equipment is of proper design for the application and has been correctly			The platform stirrups are in line with the rigging equipment.	
		assembled and installed per the manufacturer's instructions.			The live load does not exceed the platform manufacturer's rated load capacity.
		All temporary rigging equipment is properly tied back to a structurally sound anchorage.			All welds are in good condition and not cracked, torn or excessively corroded.
		All welds are in good condition and not cracked, torn or excessively corroded.			All components are in good order and there are no missing, bent or damaged parts that could
		All components are in good order and there are no missing, bent or damaged parts that could			weaken the system. All mounting holes are free from deformation/cracks.
	weaken the system. All mounting holes are free from deformation/cracks. When using davits and sockets or other Pl			The platform is of proper design for the application and has been correctly assembled per the manufacturer's instructions.	
		equipment, they are correctly secured and installed, and the inspection records are up to date.			A competent person has determined that there is no penetrating rust on steel parts.
		A competent person has determined that there is no penetrating rust on steel parts.			The hardware is grade 5 or better, in good condition and the lock nuts are not worn.
\Box		The hardware is grade 5 or better, in good			All labels are present and clearly legible.
		condition and the lock nuts are not worn. All labels are present and clearly legible.			The quickpins are in good working condition with properly locking lynch pins.
		The quickpins are in good working condition with properly locking lynch pins.			The deck is free from excessive dirt and debris that could cause a slipping hazard or affect the load capacity and/or proper functioning/
		When using outrigger beams, the number of counterweights match the outreach and hoist rated load capacity.			installation of the component(s).
					The stirrup pulleys, bearings and inlet cable guides are in good condition.
					The platform is free from chemical corrosion and/or excessive sand blasting damage.
					The platform is at least 10 ft away from live unprotected power lines.
					The weather conditions are acceptable for safe use of the platform and the wind gusts do not exceed 25 mph for a multiple point suspended platform or 20 mph for a single point work cage or bosun's chair.

SUSPENDED SCAFFOLD PRE-OPERATION CHECKLIST

CHECKLIST CONTINUED HOIST AND WIRE ROPE FALL PROTECTION SYSTEM YES NO YES The hoists are of proper design for the NOTE: No worker shall enter a suspended platform, work cage application and have been correctly installed or bosun's chair unless they are "hooked-up" in a safe manner according to applicable federal and local standards. per the manufacturer's instructions. The manufacturer's operating instructions Each full body harness is the proper size, has have been read and are understood. the D-ring in the center of the back and has been checked for safe use. The daily tests have been performed according to the hoist operating manual. Each worker has their own independent fall protection system. The hoists are in proper working order. Each rope grab has been checked for correct The electric cable or air hose connections have installation and operation. been inspected and are safe for use. Each lanyard has been checked for correct The power supply is adequate for the number installation and safe use. and type of hoists used. Each lifeline has been checked for safe use and The length of the wire rope is long enough to is correctly installed with edge protection to an reach the ground and is properly attached to independent anchor point capable of holding the support equipment. All fittings are checked a 5000 lb. ultimate load. under load. The wire rope has been inspected and is in good working condition. **NOTES:** Suspended Scaffold Systems must be installed and dismantled by, or under the supervision of, a trained and competent person. 2. Check all components before each work shift. 3. Never use damaged equipment. 4. Never overload the equipment. 5. Do not alter the equipment. 6. Do not use this equipment for purposes or in ways for which it was not intended. DATE: _____ INSPECTED BY: ______ SIGNATURE: _____ REMARKS: