

Approved  
ORNL WORK PLAN  
Operations, Maintenance and Services



Work Plan Name / Rev: CONF CHANGE GUIDE / 0
Expiration Date: 5/23/2027

**WORK SCOPE/DESCRIPTION**

Requester (Name/Badge/Division):	Sexton, Randall / 00712268 / X186			
Location of work (Bldg/Rm/Other):	8705 / /			
Work Plan Title:	Configuration Change Focusing guide to non-focusing			
<b>Description of Service/Work Needed:</b> Configuration Change - changing from focusing guide to the non-focusing guide, sample environment will need to pull out the cryostat first				
Charge Number, if required:	N78205X2			
Work Plan Grade/Worktype:	3 / 0			
Author (Name/Badge):	Sexton, Randall / 00712268			
File Attachments:	<b>Badge</b>	<b>Name</b>	<b>Attachment Desc</b>	<b>File Name</b>
	00712268	Sexton, Randall	Shielding	BL5 LP guide shielding.pdf
	00712268	Sexton, Randall	Guide	BL5 LP guide.pdf

**INSTRUCTIONS**

Prerequisites/Precautions: SE remove Cryostat
Directions: Change focusing guide to non focusing guide. SE reinstall cryostat.
Post Work Testing:
Closeout:

**JOB HAZARD EVALUATION**

HAZARDS	PERMITS / CONTROLS
Hoisting and Rigging	<ul style="list-style-type: none"> <li>  Hard hats</li> <li>  Safety shoes</li> <li>  Qualified personnel</li> <li>  Traffic control</li> </ul>
Manual Material Handling	<ul style="list-style-type: none"> <li>  Establish Controls (<a href="#">Guideline</a>) [apply 30-50-30 criteria for a non-repetitive lifting task]           <ul style="list-style-type: none"> <li>  Reduce weight</li> <li>  Decrease load</li> <li>  Design work area</li> <li>  Facilitate access to material</li> <li>  Optimum environment</li> <li>  Reduce distance /Provide proper storage facilities</li> <li>  Load storage</li> <li>  Eliminate manual lifting/lowering</li> <li>  Eliminate pushing/pulling – Use lifting aids</li> <li>  Other instructions to staff</li> </ul> </li> <li>  Diversity of activities</li> <li>  <a href="#">Exposure Assessment</a>: Enter or attach justification to classify exposure scenario as low risk, qualitative exposure assessment (QEA), or requirement to conduct quantitative exposure monitoring (QEM)</li> </ul>

**DOCUMENTATION REVIEW AUTHORIZATION**  
(Approvals are certification of hazards assessment)

Reviewer/Approver Roles	Signature	Date
Accountable Management		

(Service Provider, Line, Equipment Owner, or Facility Management)	Cross Jr, Bobby Lee	5/23/2022	
Task Leader	Sexton, Randall	5/23/2022	
Work Package Concurrence			
Facility Manager			
Operations Supervisor			
Facility Manager Approval To Start Work			
Facility Manager			
Work Start Authorization			
Task Leader			
Work Acknowledged Complete			
Task Leader			
Worker Feedback:			
WORK DETAILS - Directions			
Hazards	Permits/Controls	Resources	Dur
1) -	<ol style="list-style-type: none"> <li>1. Beamlne Staff Turn off Collimator</li> <li>2. SE remove Cryostat</li> <li>3. Remove Shielding for the guide</li> <li>4. Remove focusing guide</li> <li>5. Install non focusing guide</li> <li>6. Install shielding</li> <li>7. SE install Cryostat</li> </ol>		
Hoisting and Rigging	<ul style="list-style-type: none"> <li>  Lift Plans: Use <a href="#">Lift Classification</a> exhibit</li> <li>  Hard hats</li> <li>  Safety shoes</li> <li>  Qualified personnel</li> <li>  Traffic control</li> </ul>	<ul style="list-style-type: none"> <li>  SNS Instrument Support Technician</li> </ul>	1
Manual Material Handling	<ul style="list-style-type: none"> <li>  Establish Controls (<a href="#">Guideline</a>) [apply 30-50-30 criteria for a non-repetitive lifting task] <ul style="list-style-type: none"> <li>  Reduce weight</li> <li>  Decrease load</li> <li>  Design work area</li> <li>  Facilitate access to material</li> <li>  Optimum environment</li> <li>  Reduce distance /Provide proper storage facilities</li> <li>  Load storage</li> <li>  Eliminate manual lifting/lowering</li> <li>  Eliminate pushing/pulling – Use lifting aids</li> <li>  Other instructions to staff</li> </ul> </li> <li>  <a href="#">Exposure Assessment</a>: Enter or attach justification to classify exposure scenario as low risk, qualitative exposure assessment (QEA), or requirement to conduct quantitative exposure monitoring (QEM)</li> </ul>		



Approved  
ORNL WORK PLAN  
Operations, Maintenance and Services



Work Plan Name / Rev: CONF CHANGE GUIDE / 0  
Expiration Date: 5/23/2027

## PRE-JOB SAFETY REVIEW GUIDE

ID: 57982

**Scope of Work:** Review work package/plan to ensure all participants understand the work activity.

**Hazards:** Review the hazards identified in Job Hazard Evaluation (JHE) / work plan (IOP).

- ε Since the work package / plan was written: 1) Have conditions changed? 2) Are there new hazards? Refer to Field Notes and Focus Areas.

**Hazard Controls / Permits:** Review:

- ε Written permits for the work activity.
- ε Precautions, step warnings, Hold Points ...
- ε Personal Protective Equipment (PPE)

- ε Work instructions for information - e.g., steps where hazards are introduced.
- ε ORNL subject area requirements - e.g., non-permit hazard controls.

### Performing Work:

- ε Discuss group/individual responsibilities for safe & effective work.
- ε Follow work instructions & safety procedures.
- ε Availability/location of materials, tools, etc.
- ε Any previous experiences / lessons learned?
- ε Response if work cannot be performed as planned.
- ε What is the worst thing that could happen?
- ε Are there Potential error traps with the job? → →
- ε Take a minute before: work start & leaving work area.
- ε Work Hand-off / Turnover - workers & Task Leader

### → Potential Error Traps:

- ε Time pressures
- ε Distractive environment
- ε High workload
- ε First time evolution
- ε First day back
- ε Vague guidance
- ε Over confidence
- ε Imprecise communications
- ε Work stress

### Abnormal Situation Response:

- | Stop Work: Observe an unsafe act, activity or condition that creates an imminent danger.
- | Emergency Response: Discuss egress paths or other responses if problems are encountered.

**Field Notes and Focus Areas:** (Use this area as a work space to record notes related to new hazards identified in the field or changed conditions. Record feedback in work package/plan information systems.)

*By signing below, I am indicating that I have been briefed on the potential hazards associated with completing this job.*

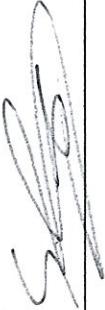
Signature / Badge	Date	Signature / Badge	Date

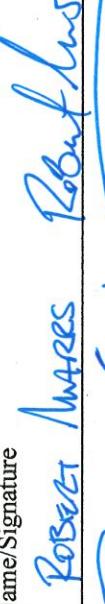
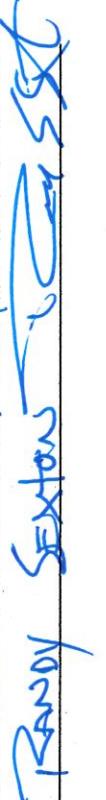
# ORNL Ordinary Lift Plan

Section 1															
Work Package, Work Order, or RSS Number:	Plan Prepared by: Silbino Vasquez	Badge Number 603217													
Section 2															
Lift Description															
Lift BL5 guide shielding															
Lift Information															
Center of Gravity determined by:															
<input type="checkbox"/> Manufacturer <input checked="" type="checkbox"/> Trial and Error <input type="checkbox"/> Calculations															
<input type="checkbox"/> Other (Describe)															
Weight of item: <u>745</u> lbs.															
No. of Legs <u>n/a</u> Size: <u>n/a</u> Length: <u>n/a</u> % D/d ratio reduction in efficiency for wire rope slings: <u>n/a</u> %															
Hitch Type: <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Choker <input type="checkbox"/> Basket															
Sling Tension/Loading: <u>745</u> lbs.															
Sling Type/Bridge Information:															
<input checked="" type="checkbox"/> Nylon <input type="checkbox"/> Wire <input type="checkbox"/> Metal <input type="checkbox"/> Other: <u>3200</u> lbs.															
Limited capacity of rigging as configured:															
Section 3															
Hoisting Equipment/Below the Hook/Lifting Equipment	Capacity														
Deshazo crane IE-U1403	3 Ton														
Section 4															
Rigging Equipment	Capacity	Rigging Hardware	Capacity												
3 ft nylon sling	3200 lbs	3/4" Swivel hoist ring	5000 lbs												
		1/2" shackle	2 ton												
Section 5															
Special requirements (facility requirements, communication methods, etc.):															
Pre-Lift Checklist (To be performed prior to lift):															
<table border="1"><tr><td>• Pre-Job Brief</td><td>• Equipment Inspected prior to lift</td><td>• Edge protectors used as needed</td><td>• Evacuation paths identified</td></tr><tr><td>• Designated Signal Person</td><td>• Center of gravity identified</td><td>• Attachment points identified</td><td>• Load drop zone controlled</td></tr><tr><td>• Annual Inspections currents on H&amp;R equipment</td><td>• capacities reduced</td><td>• Load path and landing area clear</td><td>• Load will lift freely</td></tr></table>				• Pre-Job Brief	• Equipment Inspected prior to lift	• Edge protectors used as needed	• Evacuation paths identified	• Designated Signal Person	• Center of gravity identified	• Attachment points identified	• Load drop zone controlled	• Annual Inspections currents on H&R equipment	• capacities reduced	• Load path and landing area clear	• Load will lift freely
• Pre-Job Brief	• Equipment Inspected prior to lift	• Edge protectors used as needed	• Evacuation paths identified												
• Designated Signal Person	• Center of gravity identified	• Attachment points identified	• Load drop zone controlled												
• Annual Inspections currents on H&R equipment	• capacities reduced	• Load path and landing area clear	• Load will lift freely												

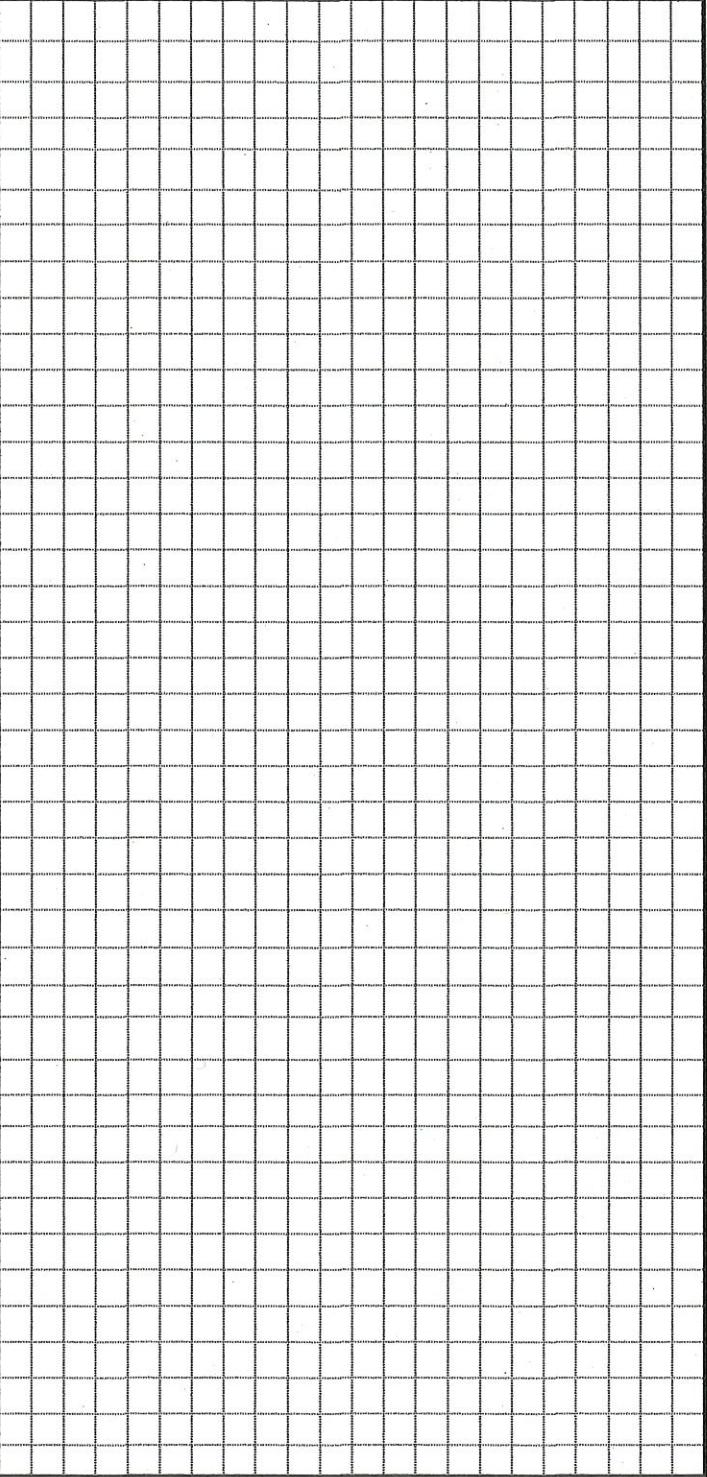


# ORNL Ordinary Lift Plan

Section 6			
Approvals – Valid for up to two (2) years			
	Print Name	Signature	Badge #
Hoisting and Rigging Designated Leader or Hoisting and Rigging Competent Person	Silbino Vasquez		603217
			3-29-21

Section 7			
Pre-Lift Briefing			
The following hoisting and lifting personnel have attended the pre-lift meeting, reviewed the approved lift plan, and understand the procedure and equipment to be used (sign on back as necessary)			
Name/Signature	Badge #	Date	
	305394	5-5-2021	
	712268	12-9-2021	

Section 8: Additional Information (I.e. Applicable Load Travel Path/Load Schematic and Rigging Method)  
(May also be attached to back of plan)


---



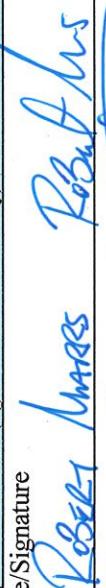
# ORNL Ordinary Lift Plan

Section 1		Plan Prepared by: <u>Silbino Vasquez</u>	Badge Number <u>603217</u>																		
Section 2																					
<p><b>Lift Description</b></p> <p>Lift BL5 guides</p>																					
<p><b>Lift Information</b></p> <p><u>Center of Gravity determined by:</u></p> <p><input type="checkbox"/> Manufacturer <input checked="" type="checkbox"/> Trial and Error <input type="checkbox"/> Calculations  <input type="checkbox"/> Other (Describe)</p> <p>Weight of item: <u>75</u> lbs.</p> <p>No. of Legs <u>n/a</u> Size: <u>n/a</u> Length: <u>n/a</u></p> <p>Hitch Type: <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Choker <input type="checkbox"/> Basket</p> <p><u>Sling Type/Bridge Information:</u></p> <p><input checked="" type="checkbox"/> Nylon <input type="checkbox"/> Wire <input type="checkbox"/> Metal <input type="checkbox"/> Other: <u>2500</u> lbs.</p>																					
<p><b>Section 3</b></p> <p><u>Hoisting Equipment/Below the Hook/Lifting Equipment</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Deshazo crane IE-U1403</td> <td style="width: 40%;">3 Ton</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>				Deshazo crane IE-U1403	3 Ton																
Deshazo crane IE-U1403	3 Ton																				
<p><b>Section 4</b></p> <p><u>Rigging Equipment</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">3 ft nylon sling</td> <td style="width: 30%;">Capacity 3200 lbs</td> <td style="width: 40%;">Rigging Hardware <u>½" Swivel hoist ring</u></td> <td style="width: 30%;">Capacity 2500 lbs</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>				3 ft nylon sling	Capacity 3200 lbs	Rigging Hardware <u>½" Swivel hoist ring</u>	Capacity 2500 lbs														
3 ft nylon sling	Capacity 3200 lbs	Rigging Hardware <u>½" Swivel hoist ring</u>	Capacity 2500 lbs																		
<p><b>Section 5</b></p> <p><u>Special requirements (facility requirements, communication methods, etc.):</u></p>																					
<p><b>Pre-Lift Checklist (To be performed prior to lift):</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><input type="list-item"/> Pre-Job Brief</td> <td style="width: 30%;"><input type="list-item"/> Equipment Inspected prior to lift</td> <td style="width: 40%;"><input type="list-item"/> Edge protectors used as needed</td> </tr> <tr> <td><input type="list-item"/> Designated Signal Person</td> <td><input type="list-item"/> Center of gravity identified</td> <td><input type="list-item"/> Attachment points identified</td> </tr> <tr> <td><input type="list-item"/> Annual Inspections currents on H&amp;R equipment</td> <td><input type="list-item"/> capacities reduced</td> <td><input type="list-item"/> Load path and landing area clear</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>				<input type="list-item"/> Pre-Job Brief	<input type="list-item"/> Equipment Inspected prior to lift	<input type="list-item"/> Edge protectors used as needed	<input type="list-item"/> Designated Signal Person	<input type="list-item"/> Center of gravity identified	<input type="list-item"/> Attachment points identified	<input type="list-item"/> Annual Inspections currents on H&R equipment	<input type="list-item"/> capacities reduced	<input type="list-item"/> Load path and landing area clear									
<input type="list-item"/> Pre-Job Brief	<input type="list-item"/> Equipment Inspected prior to lift	<input type="list-item"/> Edge protectors used as needed																			
<input type="list-item"/> Designated Signal Person	<input type="list-item"/> Center of gravity identified	<input type="list-item"/> Attachment points identified																			
<input type="list-item"/> Annual Inspections currents on H&R equipment	<input type="list-item"/> capacities reduced	<input type="list-item"/> Load path and landing area clear																			
<p><b>Evacuation paths identified</b></p> <ul style="list-style-type: none"> <li><input type="list-item"/> Load drop zone controlled</li> <li><input type="list-item"/> Load will lift freely</li> </ul>																					

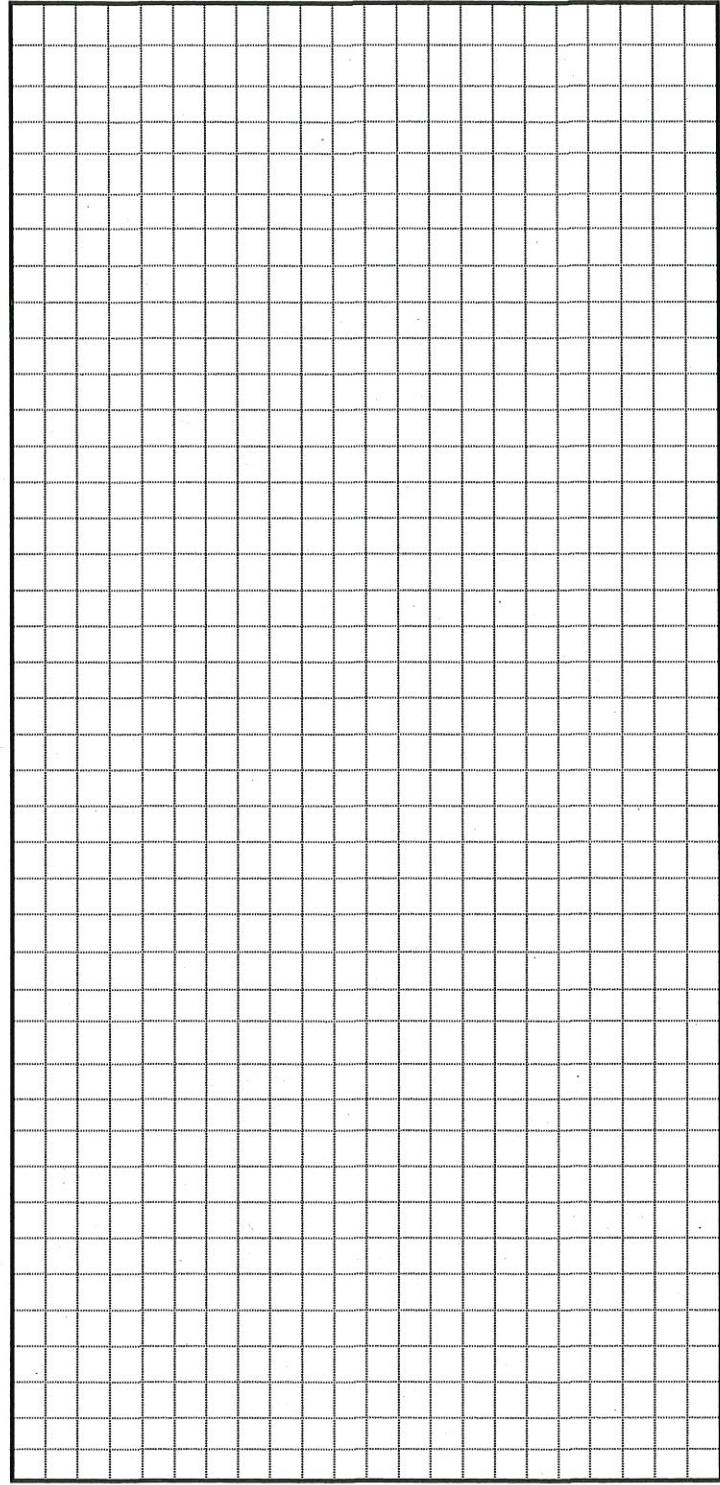


# ORNL Ordinary Lift Plan

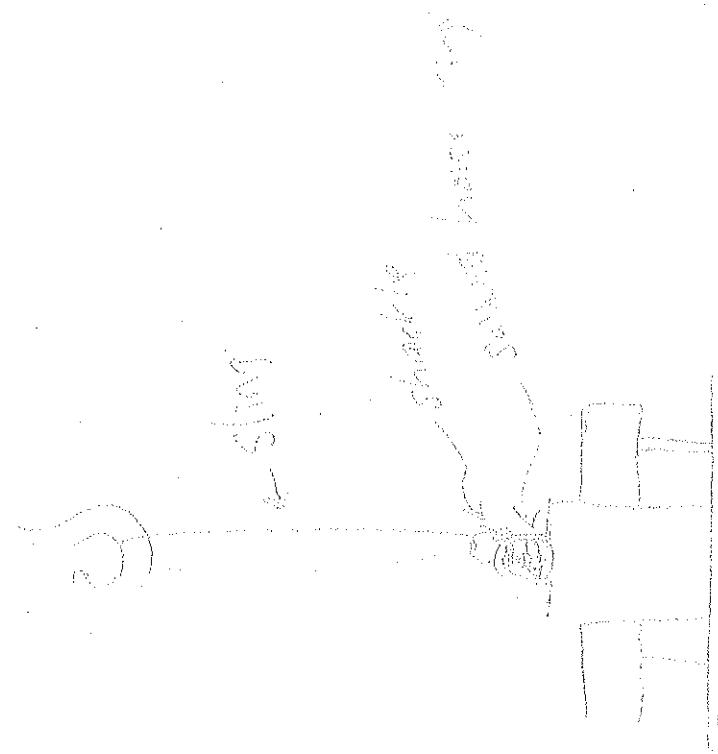
Section 6			
Approvals – Valid for up to two (2) years			
Print Name	Signature	Badge #	Date
Silbino Vasquez		603217	3-29-21

Section 7			
Pre-Lift Briefing			
The following hoisting and lifting personnel have attended the pre-lift meeting, reviewed the approved lift plan, and understand the procedure and equipment to be used (sign on back as necessary)			
Name/Signature	Badge #	Date	
	3053994	5 - 5 - 2021	
	712268	12-9-2021	

**Section 8: Additional Information (I.e. Applicable Load Travel Path/Load Schematic and Rigging Method)**  
(May also be attached to back of plan)







()

()

()

