

WORK EVIDENCE SHEET		Evidence Ref. No
Learner Name: Aidan O'Flynn-Mundin		Employer: Isle of Wight Steam Railway
Address of site: Havenstreet Station, Isle of Wight Steam Railway, Main Rd, Havenstreet, Ryde PO33 4DS		
Job Start Date: Wednesday 7th December 2023		Job Completion Date: Tuesday 5th March 2024
Name of Job: Miniature Five Step Staircase		
Brief details of job: As part of my apprenticeship, I am required to manufacture a Staircase, due to no staircase to be built at the railway I was tasked to manufacture a Miniature staircase.		
Have you had a site induction on this site and / or had toolbox talks? At the start of each working day.		
How did you receive your work instructions? (Attach specification / drawing / schedule or witness testimony confirming verbal instructions if possible.) Verbal instruction from my supervisor.		
Planning for the job: Did you arrange materials to be delivered / moved before you started work? No materials were ordered for this job, I sourced all timber from the timber stores.		
Give details of the people you spoke to, the instructions you received & the type of communication. (Oral, listening, body language?) Colleagues: Foreman: Supervisor: P. Fisher (Verbal Communication) Client:		
What materials did you use? (List them all) 1x 100mm x 250mm x 85mm Poplar timber (Used for the Housed & Cut Carriages) 2x 600mm x 58mm x 58mm (Newel posts) 1x 20mm thick Oak plank (Wedges) 1x 13mm Sapele Dowle 6x 500mm x 120mm x 16mm MDF Treads 6x 500mm x 100mm x 6mm MDF Risers 15x 25mm Philips Screws 5x 70mm Philips Screws Everbuild PVA Wood adhesive How did you store them on site? Carriage & Wagon Workshop		
What protection did you make for the surrounding area, materials & equipment before starting work? (Explain) Used dust extraction, checked the guards on woodwork machinery that I would be operating.		

<p>List the hand tools & any equipment that you used:</p> <p>1 Meter Rule, 30cm Rule, Adjustable Square Rule Compass, Protractor, Sliding Bevel, T-Square, Pencil</p> <p>Malet, Various Chisels, Marking Gauge</p>	<p>List the power tools that you used:</p> <p>Trend Router, Wadkin Morticer, SCM Planer. Stromab Radial Arm Saw Bosch Jigsaw Kitty Bandsaw Startrite Table Saw DeWalt Combe Drill</p>
<p>Where were the tools & equipment stored on site?</p> <p>Carriage & wagon workshop</p>	
<p>What maintenance did you carry out on the tools & equipment?</p> <p>Changed the cutter on the Trend Router to a 10mm cutter and a lamb's tongue moulding cutter, pre machining safety checks</p>	
<p>What PPE was necessary / used?</p>	<p>Eye & Ear protection, gloves, Dust mask & overalls</p>
<p>Explain details of any hazards on the site (E.g. cables, fumes, Access etc.) How did you deal with the hazard?</p>	<p>Operating Machinery & wood dust When operating machinery, I used the machinery in line with my training, used dust extraction, wore appropriate PPE when operating machinery.</p>
<p>Briefly describe the work you did; how you protected it & any access equipment you may have worked from:</p> <p>As part of my apprenticeship, I am required to manufacture a Staircase, due to no staircase to be built at the railway I was tasked to manufacture a Miniature staircase with 5 steps, 2 Newel posts & both styles of stringers. This staircase is not to scale; however, it is similar to a future planed staircase design. But the construction method is identical to manufacturing a full-sized stairs.</p> <p>I started by laying & drawing out the ROD for the stairs, the overall run was 600mm, landing height: 450mm, going: 120mm and rise: 90mm.</p> <p>I marked out all the tenons, housing, mortises, strings & steps on the ROD on a plywood board. Once the ROD was completed, I sourced the timber from our wood stores, and transferred the markings on to the machined timber components.</p> <p>I had to make two jigs in order to construct the product: the first jig was made to mark out the treads & risers, and the second was a housed carriage router jig (Photos attached)</p> <p>I cut the 10mm housings with a router along with the strings tenons as well. I cut the cut carriage with a jigsaw, in hindsight I should have cut these by hand or by using a band saw as the cut would have been cleaner and more precise.</p> <p>I used a morticer to cut the mortices in the newel posts followed by cutting the angled part of the mortice by hand.</p> <p>I then carried out a dry assembly, I then cut stopped chamfer edging onto the newel posts using a router. I made the oak wedges for the housed stringer using a wedge making jig followed by drilling the holes for the dowels through the newel post and tenons. The dowl hole through the housed stringer's tenons are slightly off centre to the newel post hole, this is because when the dowl is inserted into the tenon it pulls itself into the mortice making a tighter fit.</p> <p>Once the stairs were fully assembled, I made some lambs tongue moulding to cover the join between the cut stringer and the treads.</p> <p>Project complete.</p>	
<p>Did you work at height on this task? Did you check the equipment for safety?</p> <p>I did not work at height during this task.</p>	
<p>Did you do this task on your own or as part of a team? (If on your own, how did you take responsibility for completing the work?)</p>	

On my own, I asked for my work to be checked once I had finished.

Explain what the time constraints for this job were:

There were no time constraints during this task, as I was completing this project between other more urgent maintenance & repair jobs. Therefore, I could only work on this project 1 day a week.

Was the quality of your work checked when it was completed? Was there anything you could improve next time?

My work was checked by my supervisor. I was pleased with the result of the project. However, I believe that if I had of used a bandsaw rather than a jigsaw in order to cut the cut carriage, I would of have had a cleaner and more accurate line of cut. This is why I had to finish the edging of the treads with a piece of Lams tongue beading.

What problems / difficulties were there? (e.g., delays due to damaged materials / equipment, problems from the weather or access to premises)

No Issues occurred.

How did you sort the situation out?

N/A

Give details of any changes to the work programme. What changes took place; name the people who informed you.

N/A

How did you clean up the work area & what did you do with unused materials?

Any unused materials were placed back in the stores & any unusable timber was placed in the wood bin. I hovered the workspace that I had been using after I had finished the work.

What did you do to keep the workplace secure? (e.g., lock premises, ensure visitors sign in)

Lock Premises at the end of each day.

What company rules did you follow?

IWRS Workshop Rules & Dust extraction Plan

Health and safety at work act 1974

Woodworking Machine regulations 1974

Personal Protective equipment Regulations 1992

Provision and Use of Work Equipment Regulations 1998

What company documentation did you complete? (e.g., timesheets)

Time Sheets & Pre-Machine Use Form

Photographs- Date, location, WBR's signature. Identify yourself with an arrow if others are in the photo.

State the number of photographs attached:

25

Staple photographs to evidence sheet.

Candidates Signature:



Date: 14 - 03 - 2024

I CONFIRM THAT THE DETAILS GIVEN ABOVE ARE ACCURATE -

WBR / Supervisor's / Customers Name (Please print):

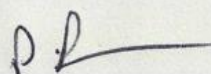
Paul Fisher

Position in company:

Chargehand / carpenter

Tel. No.

WBR / Supervisor's / Customer's Signature:



Date:

14/03/24

Please note that this form cannot be accepted as evidence UNLESS it has been signed & dated by all concerned.

Photographs

Date: 7th December 2023 – 5th March 2024

Location: Isle of Wight Steam Railway Carriage & Waggon

