



HAYLES AND HOWE, INC. COMPLETE RESTORATION OF THE MAIN HALL IN

UNION STATION WASHINGTON DC

Union Station is a major train station, transportation hub, and leisure destination in Washington, D.C. Opened in 1907, it is Amtrak's headquarters and the railroad's second-busiest station, with annual ridership of over 5 million.

On August 23, 2011, Union Station was damaged by a 5.8 earthquake one of the most violent recorded to hit this area of the USA.

Hayles and Howe, Inc have been involved in the repairs and consolidation of the ceilings in both the Main Hall and Concourse areas. The conservation of these ceilings has taken 5 years and will continue for a further year.

This year the Hayles and Howe team were proud to successfully complete the full restoration of the Main Hall and move into the Concourse area. The plan is to do about 20 percent of the ceiling at a time. Once each section is completed, the scaffolding is moved along to the next section.



The team working on a section of Concourse A

HAYLES AND HOWE LTD - NEW SIGNAGE FOR THE HAYLES AND HOWE FLEET

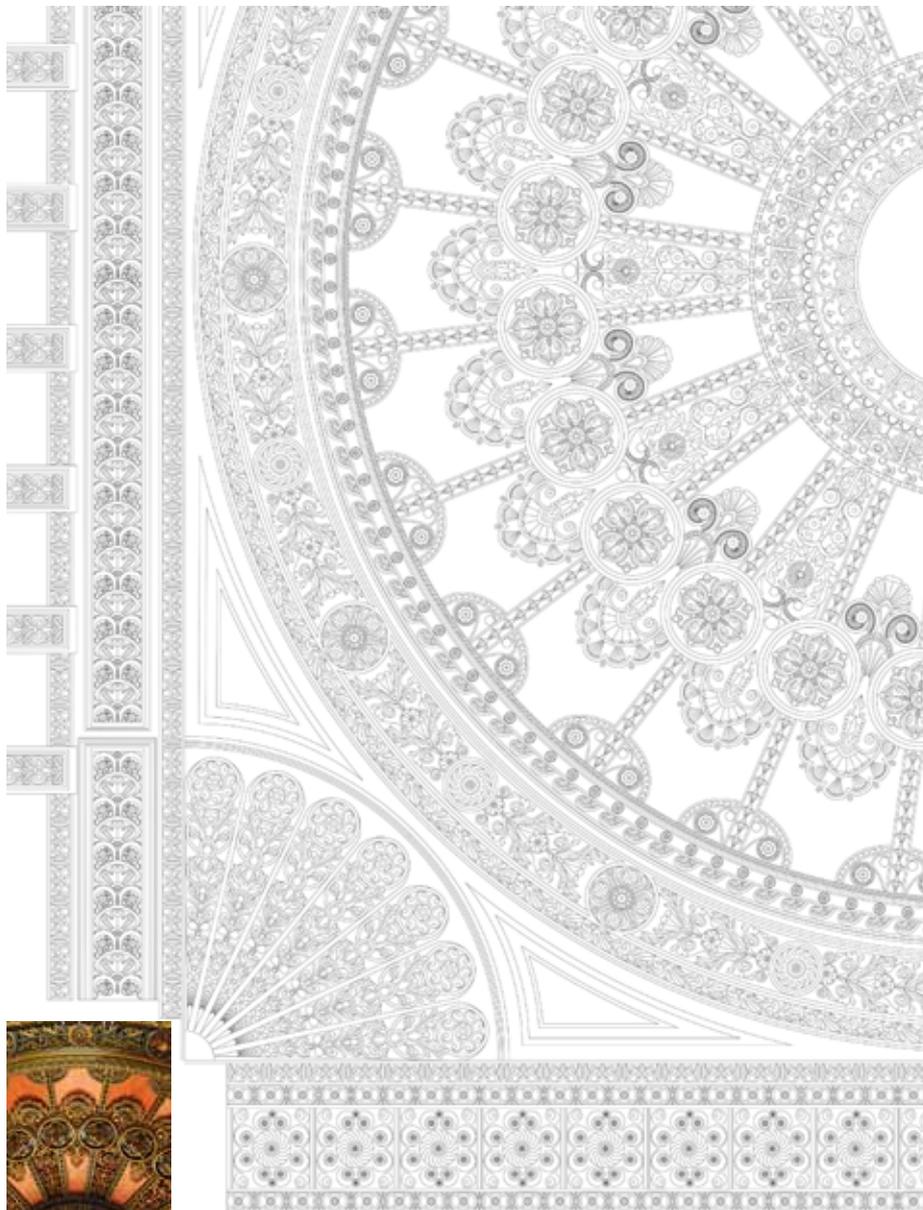


PLASTER CONSULTANCY AT THE LEEDS GRAND

Built in 1878 the Grand Theatre and Opera House is the only theatre designed by George Corson with J R Watson providing theatre expertise, now Grade II* listed the theatre occupies a three-quarter acre site.

The auditorium is magnificent and stylistically unique in Britain with clustered Gothic shafts framing the proscenium which has a grand semi-circular inner frame with scalloped decoration. The saucer domed ceiling (pictured below) is richly decorated and supported on four pendentives. The three balconies are horseshoe in shape and supported on iron columns, with the top balcony being divided by a parapet. The balcony fronts are imaginatively decorated with deeply undercut plasterwork.

Martin Green and Lee Corbett of Hayles and Howe Ltd carried out a condition survey and some repairs of the plasterwork in the auditorium and public areas in October this year.



Photographic detail of the central rose is pictured above.

Above is a section of the reflective ceiling plan of Leeds Grand Theatre drawn by our new CAD Technician Kelly Lawrence.

HAYLES AND HOWE LTD RECENT SITE AND WORKSHOP GALLERY - ENGLAND



“These images show the extraordinary diversity of services Hayles and Howe are able to offer their customers”.

HAYLES AND HOWE INSIDER

Bristol Workshop CPD with Architects from Purcell



Architects from PURCELL in Bristol enjoyed a CPD in the Hayles and Howe Bristol workshops. The continuing professional development workshop, talk and slideshow offered an insight into the manufacture, restoration and conservation of ornamental plasterwork.

Bristol Workshop Foreman Facefitting trainer qualification

Following on with Hayles and Howe's commitment to Health and Safety for all its employees, Bristol workshop foreman Martin Henry has passed an Evaluative Face fit training course enabling the company to provide an in-house test out service for all employees and sub-contractors.

Legislation is now in place to ensure that everyone required to wear any type of Respiratory Protective Equipment in the workplace must be face fit tested to ensure correct fitting and protection against any substances potentially hazardous to health. (COSHH regulations and EEC directive)

Having a trained in-house face fitter reduces the chance of incorrectly fitted masks being selected and checks that the wearer can put a mask on correctly. The course was provided by Le Breton Recruitment and Training.



MORE TRAINING

Rope access and working at height qualifications have become a major part of the Hayles and Howe health and safety requirements for working in public buildings and theatres. The company now has qualified PASMA and IRATA trained technicians.

These qualifications ensure employees are trained to safely complete ceiling surveys enabling full and close inspections of the plasterwork and to take the accompanying close up photographic evidence.

IRATA is a tough training course and not for the faint hearted. The training includes: maintenance of equipment, practising ascending and descending on ropes, understanding the different rope attachments and knots including alpine butterfly, figure of eights and barrel knots.

Other recent training the company has invested in are workshop Apprenticeships, Site Supervisor Plus (CITB site Supervisor Safety Training), first aid, qualifications in moving from the ISO 9001 - 2008 to ISO 9001 - 2015 and use of 3D scanners.



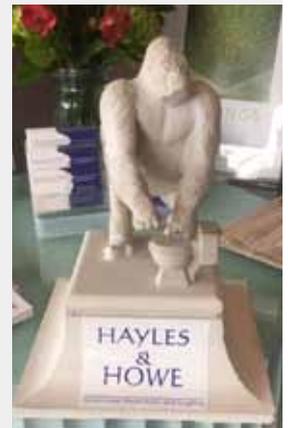
Employee of the moment...

Lisa

Congratulations to Lisa Ballinger who has been voted the latest employee of the moment. Lisa has worked for the UK company for nearly four years as the office Accounts administrator. From the first moment Lisa joined the company she became a very popular and well thought of member of staff.

Lisa was very happy to receive a bottle of champagne (her favourite tittle) from MD David Harrison.

On a lighter note pictured are the trophies designed and made by Hayles and Howe, Inc. for the Annual Hampden Toilet Bowl Race. Profits from the 40 dollar registration fee go to The Skatepark of Baltimore



HAYLES AND HOWE, INC RECENT SITE AND WORKSHOP GALLERY - USA



Manufacture and installation of large columns.



A group of young students (pictured above) from MAGIC in Baltimore recently had a great day out in the USA workshop. MAGIC is a free, week-long day camp for 7th to 12th grade girls to introduce them to a potential career in the construction industry. Many young girls are unaware of the possibility of a rewarding and financially beneficial career in the construction trades or related fields. MAGIC is designed to give them real hands-on experience.



Hayles and Howe, Inc have been involved in the unique restoration of this massive granite, steel framed building in Washington DC (pictured above). This listed building was originally designed in the late 1800's to house the U.S. Post Office Department, it has twice survived near demolition to be saved and preserved as the Trump Hotel.

STANDARD CEILING ROSES AND ENRICHMENTS

Hayles and Howe have various standard enrichments that can be added to ceiling roses, cornices, frieze plates etc to enhance the design with further ornamental detailing. Ideas for any custom-made plasterwork designs are creatively taken on board by our enthusiastic technicians and estimators and hand crafted in our workshops.

Pictured right is a standard ceiling rose CE37 and a Fleur de Lys enrichment which can be added to the outside of the rose to great effect as illustrated far right.



FITTING STANDARD CEILING ROSES AND ELECTRICAL CENTRES

We are always being asked how to fit a ceiling rose and electrical centre, so here is some information.

In all circumstances before starting isolate the electricity supply to the centre until all work is finished

First unscrew the cap of the plastic electrical centre, disconnect and remove the junction plate behind.

Replace with the plate supplied with the plaster centre.

Screw on the plaster top to the centre but do not refit the light bulb yet.

WE STRONGLY RECOMMEND THAT A QUALIFIED ELECTRICIAN DOES THIS (*Hayles and Howe are not electricians*)

With a drill (preferably cordless) fit a 4 or 4.5mm drill of at least 50 mm length and with a circle of approx 500mm in diameter from the electrical centre drill into the ceiling and locate a joist. When you are sure of one put a pencil line on the ceiling through its centre making sure the line is long enough to be seen when the ceiling rose is held in place.

Offer the ceiling rose up and orientate it so that it fits evenly around the electrical centre and the leaves on the face line up with the orientation of the room e.g. a window or a fireplace.

With a pencil mark approx 25mm in from the outer edge where the joist intersects. (*Another pair of hands might be useful to keep everything steady*)

With the rose back down on the floor, drill the two 4mm pivot holes and then with a stanley knife or similar twist the blade in the top of the hole to create a countersink for the head of the screw. Ensure this is sufficient to get the screw head completely behind the outer level.

Mix up a small amount of adhesive and place all around the outer edge on the back. This adhesive has a 60 minute setting time. Offer up the rose, re-orientate and screw in to the joist with zinc plated screws of sufficient length.

Make sure the adhesive appears around the edge, apply some if necessary. Leave for a couple of minutes then remove with anything that has a right angled corner on it. As a final measure wipe a damp brush around the edge taking care not to brush the adhesive back out.

Extra holes can be drilled and a couple more screws put in if desired.

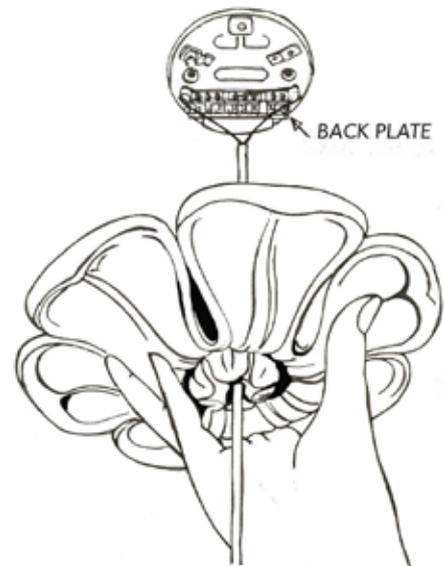
Mix up a small amount of casting plaster by introducing it to the water slowly and mixing to the consistency of single cream.

Wait a couple of minutes until this picks up, meanwhile with a wet brush wet the background plaster around the screw holes to kill the natural suction of the dry plaster.

With the plaster soft but not sliding off the tool fill in the holes and strike off the excess with a straight edge.

This might need a couple of applications to make the repair invisible.

NB Allow to dry for a couple of days before painting.



Small Tudor Rose (C12). This is mounted onto an electrical cap and fitted by twisting the complete rose onto the back plate.

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