Donald Insall Associates
Chartered Architects and Historic Building Consultants

**NTWFS.02**

National Trust Wales Fire Safety Project - Erddig Hall

# 6001 - Schedule of Works

| Revision | Date | Prepared | Approved | Purpose |
|---|---|---|---|---|
| P0 | 26.09.2023 | CSH | MTO | Initial Issue |
| P1 | 18.10.2023 | CSH | MTO | RIBA 4 Full Schedule |
| P2 | 20.12.2023 | CSH | MTO | RIBA 4 Full Schedule |
| P3 | 25.01.2024 | CSH | MTO | RIBA 4 Full Schedule with draft specification |
| P4 | 06.02.2024 | CSH | MTO | RIBA 4 Full Schedule with draft specification |
| P5 | 19.02.2024 | CSH | MTO | RIBA 4 Full Schedule with specification |
| P6 | 01.03.2024 | CSH | MTO | RIBA 4 Full Schedule with specification for Consents |
| P7 | 10.02.2025 | CSH | MTO | RIBA 4 Full Schedule with specification for Consents |
| P8 | 20.02.2025 | CSH | MTO | RIBA 4 Full Schedule with specification for Consents |
| P9 | 25.07.2025 | CSH | MTO | Opening Up works for Consents added. |
| P10 | 27.10.2025 | CSH | MTO | RIBA 4 Issue |
| P11 | 29.06.2026 | CSH | MTO | Tender issue updated to reflect Fire Report V6 |



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| Ref | Location | Door Number | Dwg Ref - Floor Plan | Dwg Ref - Details | Description of Works | Further description of Fire Stopping | NBS Clause |
|---|---|---|---|---|---|---|---|
| The below items OP.xx schedules out planned initial investigations.<br><br>These investigations allow the completion of RIBA Stage 4 level design work, but more detailed investigations may be needed once detailed design progresses.<br><br>Refer to the Opening Up Works plans for locations, and refer to schedule below for anticipated arrangement of existing construction, size of opening anticipated, the work to be carried out and requirements for making good.<br><br>All final locations are to be agreed on site, in coordination with with the architect, fire engineer, fire alarm designer and client. Generally all locations will be subject to change or agreement on site where not specifically indicated.<br>In all cases care must be taken to absolutely minimise damage to existing fabric, and allow reinstatement to be as invisible as possible. Upon closing up any openings, provision is to be made for firestopping and voids that penetrate fire compartment lines to provide permanent protection. The client's fire specialist is to advise.<br><br>In all cases care must be taken to minimise vibration, generally by the use of hand tools.<br><br>Existing services locations and condition is not known, so care must be taken in the final location of openings and in their formation to avoid damage to concealed existing services installations.<br><br>It should be noted that the building will remain an operational public building and no opening up works should be left unattended or unguarded. | | | | | Note items highlighted in purple are included within the scope of this LBC Application.<br>Other items are indicated for context of a future application. | | |
| OP.01 | Main House GF | | 2000 | | Fire Curtain - Carefully remove boarding above door architrave to understand whether there is a void behind that requires fire stopping and routing of bell mechanism. Set board aside for potential reuse. All for temporary new boarding to be installed following opening up. | | |
| OP.02 | Main House GF | | 2000 | | Fanlight - remove and dispose of existing (modern) boarding to fanlight to expose timber fanlight beading. | | |
| OP.03 | Main House GF | | 2000 | | Undertake trial repair to timber door for installing a fillet of wood in situ. | | |
| OP.04 | Main House GF | | 2000 | | Remove modern boarding to ceiling boxing in to allow for understanding whether there is sufficient fire stopping between the mains incoming and boxing in and to whether replacement FAS cables can be routed through boxing. Existing boarding to be carefully removed to allow for re-fixing. Contractor to allow for replacement boarding, which if the existing boarding can be re-fixed does not need to be installed. | | |
| OP.05 | Main House FF | | 2001 | | Floorboards - Trial lifting. Floorboards - Carefully undertake trial lifting of existing floor boards.<br>Exact boards within space to be agreed on site. Boards to be re-fixed following opening up. | | |
| OP.06 | Main House FF | | 2001 | | Floorboards - Trial lifting. Floorboards - Carefully undertake trial lifting of existing floor boards.<br>Exact boards within space to be agreed on site. Boards to be re-fixed following opening up. | | |
| OP.07 | Main House SF | | 2002 | | Floorboards - Trial lifting. Floorboards - Carefully undertake trial lifting of existing floor boards.<br>Exact boards within space to be agreed on site. Boards to be re-fixed following opening up. | | |
| OP.08 | Main House SF | | 2002 | | Floorboards - Trial lifting. Floorboards - Carefully undertake trial lifting of existing floor boards.<br>Exact boards within space to be agreed on site. Boards to be re-fixed following opening up. | | |
| OP.09 | Main House TF | | 2003 | | Allow to label, remove and store existing doors in adjacent store room<br>Carefully open up existing frame to ascertain continuity of fire compartment line<br>Allow to carefully piece in new timber to ensure continuity of fire complementation as necessary<br>Allow to install new temporary door frame using reversible fixings and fire stop around<br>Allow to install new fire door blanks to ensure appropriate fire complementation during the PCSA period while the final proposal is developed | | |
| OP.10 | Main House TF | | 2003 | | Floorboards - Trial lifting Floorboards - Carefully undertake trial lifting of existing floor boards, two locations in T11 and T08 (to allow for installation of wired detector in lobby of S16)<br>Exact boards within space to be agreed on site. Boards to be re-fixed following opening up. | | |
| OP.11 | Stable Yard GF | | 2005 | | Door architrave - remove architrave and lower section of lead capping allowing to understand gaps behind and ascertain the condition of the substrate. Allowing to finalise the design for new linings and fire stopping in the future application. | | |
| OP.12 | Stable Yard FF | | 2006 | | STF.02 ceilings opening up to review route in void above. Modern plasterboard. Reinstate/board over after. Sized for potential future hatch to be installed. If void large and needs own detection then allow for a hatch. | | |
| OP,13 | Stable Yard FF | | 2006 | | Floorboards - Trial lifting. Floorboards - Carefully undertake trial lifting of existing floor boards.<br>Exact boards within space to be agreed on site. Boards to be re-fixed following opening up. | | |
| OP.14 | Stable Yard FF | | 2006 | | Floorboards - Trial lifting. Floorboards - Carefully undertake trial lifting of existing floor boards.<br>Exact boards within space to be agreed on site. Boards to be re-fixed following opening up. | | |
| OP.15 | Stable Yard RP | | 2007 | | Opening up within ceiling void to understand space and determind whether the new MICC can be run through this space. | | |
| OP.16 | Lime Yard GF | | 2012 | | Floorboards - Trial lifting. Floorboards - Carefully undertake trial lifting of existing floor boards.<br>Exact boards within space to be agreed on site. Boards to be re-fixed following opening up. | | |
| OP.17 | Lime Yard RP | | 2013 | | Install access boarding to attic space as per principles set out on drg 3000. | | |
| OP.18 | Lime Yard RP | | 2013 | | Install access boarding to attic space as per principles set out on drg 3000. | | |
| OP.19 | Coachhouse RP | | 2015 | | Install access boarding to attic space as per principles set out on drg 3000. | | |
| OP.20 | Stable Yard RP | | 2007 | | Install access boarding to attic space as per principles set out on drg 3000.<br>Note high level access to be provided to cofnrim whether there is boarding in position already, if there is then item to be omitted. | | |
| EH.01 | GF<br>G11 Garden Museum | | 2000 | 2300 | Install new 30mins fire resisting construction wall in existing opening. | | K10/130 |
| EH.02 | GF<br>G08 | | 2000 | 2301 | Install new E60 EW60 fire curtain linked to fire alarm system at bottom of stairs as per drawing. | | L20 / 610 |
| EH.03 | GF<br>G17 | | 2000 | 2300 | Install new FD30s single door set with Hold-Open device. | | L20 / 255<br>P21 / 410 |
| EH.04 | GF<br>G22 | | 2000 | 2302 | Install new FD30s single door set with Hold-Open device with glazed fanlight.<br>Remove boarding from existing door's arched fanlight (DG 22) and replace with clear glazing. | | L20 / 255<br>P21 / 410 |

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| EH.05 | 1F<br>F09 Entrance Hall | | 2001 | N/A | Carefully remove security bars from adjacent shutters and make good any damage to the surface of the shutters. Prepare shutter for redecoration (including re-glueing loose joints) and apply painted finish as per NBS M60 (Colour TBC). Reinstall security bars such that shutters will close fully. | | |
| DA.01 | R/3F<br>T14 Display Room | DT.15 | 2003 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.02 | R/3F<br>RV02 Roof Void | DT.16 | 2003 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| FS.01 | R/3F<br>RV03 Roof Void | | 2003 | | Fire Stopping | Seal hole through fire barrier between RV02 and RV03 with well compressed mineral wool insulation pushed into cavity | P10/140 |
| DA.03 | R/3F<br>T03 Store | DT.01 | 2003 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| FS.02 | R/3F<br>T03 Store | | 2003 | | Fire Stopping | Carefully remove existing mineral wool insulation to partition wall between RV01 and T03.<br>Replace with 50mm ablative Rockwool batts installed between the joists / studs.<br>Sealed around the edges with intumescent mastic. | P12 / 360<br>P12 / 390 |
| EH.06 | 3F<br>T10 Staircase A | | 2003 | 2303 | Carefully remove existing double doors between T01 and T10 (Door T18 in HFC Report) and install new FD30s double door set. | | L20 / 256 |
| EH.07 | 3F<br>T11 Electrical Cupboard | | 2003 | 2304 | Install new FD30s single leaf door to the inner face of the existing door to T11 within new frame.<br>The gap between the door frame and outer frame should be sealed with intumescent foam and an architrave provided over it. | | L20 / 230<br>P12 / 335 |
| FS.03 | 3F<br>T11 Electrical Cupboard | | 2003 | | Fire Stopping | Board over existing ceiling with calcium silicate board.<br>Seal around edges with intumescent mastic. | P12 / 310<br>P12 / 390 |
| EH.08 | 3F<br>T01 Corridor | | 2003 | 2304 | Install new FD30s double door set with Hold-Open device within new stud partition between T01 and North lobby | | L20 / 256<br>P21 / 410<br>K10/130 |
| EH.09 | 3F<br>V Stair | | 2003 | 2305 | Remove existing door. Install new FD30s single door set to be kept locked. Re-install existing door to corridor side of opening in new frame. | | L20 / 230<br>P21 / 410 |
| FS.04 | 3F<br>V Stair | | 2003 / 2004 | | Fire Stopping | Carefully remove any damaged sections of plastered finish to ceilings above Stair V to the attic back to a stable line and replace any damaged laths with riven oak laths.<br>Apply 3-coat lime plaster finish to ceiling (ensure any gaps or holes are sealed and ensure minumum thickness of 25mm, not including the laths or plaster nibs) as per<br>Apply painted finish (Colour TBC). | NBS M20DIA / 86D<br>NBS M20DIA / 81D<br>NBS M20DIA / 51A.<br>Decorate |
| FS.05 | 3F<br>T07 Store | | 2003 | | Fire Stopping | Empty contents of T07 cupboard and line underside of staircase with 15mm Fireline board and gypsum plaster skim finish.<br>Apply painted finish (Colour TBC). | K10/404 |
| FS.06 | 3F<br>T07 Store | | 2003 | | Fire Stopping | Carefully remove any damaged sections of plastered finish to ceilings in Room T07 back to a stable line and replace any damaged laths with riven oak laths.<br>Apply 3-coat lime plaster finish to ceiling (ensure any gaps or holes are sealed and ensure minumum thickness of 25mm, not including the laths or plaster nibs)<br>Apply painted finish (Colour TBC). | NBS M20DIA / 86D<br>NBS M20DIA / 81D<br>NBS M20DIA / 51A.<br>Decorate |
| FS.07 | R<br>RV06/07 | | 2004 | | Fire Stopping | Seal around top edges of fire barriers with intumescent mastic. | P12 / 390 |
| FS.08 | R<br>RV06/08 | | 2004 | | Fire Stopping | Seal underside of fire barriers with well compressed mineral wool insulation. Including adjacent to the south side of partition - underside of the plasterboard. | P10/140 |

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| FS.09 | R<br>RV06 / RV04 | | 2004 | | Fire Stopping | Seal all service penetrations, gaps and holes in the existing wall linings of the staircase walls with intumescent mastic. Where service penetrations, gaps and holes are too large to seal with intumescent mastic alone, seal with ablative coated batts sealed around the edges with intumescent mastic.<br><br>The hole at the base of the right-hand side should either be stuffed with compressed mineral wool. This should also be applied to same hole on the North side of the steps.<br><br>The hole at the apex of this partition should be effectively fire stopped with an intumescent mastic.<br><br>Install 50mm ablative Rockwool batts between the timber frame of the staircase walls (including the holes beneath the steps leading up to the external door to the roof valley - both North and South sides) and seal around the edges with intumescent mastic. | P12 / 390<br>P12 / 360<br><br>P10/140<br><br>P12/390 |
| EH.10 | GF<br>KG08 Electrics | DKG.06 | 2005 | 2305 | Carefully remove existing door leaf and frame and rehang door to open into corridor KG06. Install new FD30s single doorset inside the existing door reveal to open into KG08.<br><br>Seal all service penetrations, gaps and holes in the existing wall linings with intumescent mastic. Where service penetrations, gaps and holes are too large to seal with intumescent mastic alone, seal with ablative coated batts sealed around the edges with intumescent mastic. | | L20 / 230<br><br>P12 / 390<br>P12 / 360 |
| DA.04 | GF<br>G02 | DG.01 | 2000 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.05 | GF<br>G08 | DG.08 | 2000 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.06 | GF<br>G14 | DG.14 | 2000 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.07 | GF<br>G15 | DG.15 | 2000 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.08 | GF<br>G25 | DG.25 | 2000 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.09 | FF<br>F01 Chapel Lobby | DF.03 | 2001 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.10 | FF<br>F08 Library | DF.08 | 2001 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.11 | FF<br>F12 Drawing Room | DF.12 | 2001 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.12 | FF<br>Stair C | DF.15 | 2001 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.13 | SF<br>S06 | DS.05 | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.14 | SF<br>S04 | DS.06 | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.15 | SF<br>S08/S12 | DS.12 | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.16 | SF<br>S13/S12 | DS.13 | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.17 | SF<br>S17 | DS.17 | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.18 | SF<br>S18 | DS.18 | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.19 | SF<br>S19 Nursery | DS.19 | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.20 | SF<br>S24 | DS.24 | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.21 | SF<br>S25 | DS.25a | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.22 | SF<br>S26 | DS.26 | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.23 | 3F<br>T13 | DT.13 | 2003 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.24 | 3F<br>T14 | DT.14 | 2003 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.25 | Outer Yard - Ground<br>HBG03 | DHBG.03 | 2008 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.26 | Outer Yard - First<br>HBF01 | DHBF.01 | 2009 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |

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|---|---|---|---|---|---|---|---|
| DA.27 | Outer Yard - First<br>HBF03 - Kitchen | DHBF.03 | 2009 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.28 | Outer Yard - First<br>HBF04 - Prep Room | DHBF.04 | 2009 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.29 | Outer Yard - First<br>HBF05 - Exit | DHBF.05 | 2009 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| FS.10 | Stable Yard &<br>Kitchen - Ground<br>KG01 - Exit | DKG.01 | 2005 | | Fire Stopping | Seal gap above door frame with intumescent mastic | P12 / 390 |
| DA.30 | Stable Yard -<br>Ground<br>STG14 - Office | DSTG.14 | 2005 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DB.01 | GF<br>KG02 | 2.6 & 2.7 | 2000 | 2306 | Enclose Distribution Boards at high level above door | | |
| DB.02 | GF<br>G14 | 3 I- Mains | 2000 | 2306 | Enclose incoming mains | | |
| DB.03 | SF<br>S04 | DB 3.9 | 2002 | 2307 | Enclose Distribution Boards at high level | | |
| DB.04 | Stable Yard<br>STF02 | Offices corridor | 2006 | 2308 | Enclose Distribution Boards at high level | | |
| DB.05 | Restaurant FF<br>HBF02 | Restaurant DB | 2009 | 2309 | Enclose Distribution Boards at high level | | |
| DB.06 | Lime Yard<br>CG01 | DB GK | 2011 | 2310 | Enclose Distribution Boards at high level | | |
| DB.07 | Coachhouse | DB 1 | 2014 | 2311 | Enclose Distribution Boards at high level | | |
| EH.11 | 2F<br>S16 WC | | 2002 | | Install new fire rated glazing to internal window between WC & Cupboard. | | |
| DA.31 | GF G24 | DG24 | 2000 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.32 | F09 Entrance Hall /<br>F11 | | 2001 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.33 | F10 Saloon | | 2001 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.34 | F09 Entrance Hall /<br>F107 | | 2001 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.35 | Not in use | | | | | | |
| DA.36 | 2F<br>S16 WC | | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.37 | 2F S20 corridor | | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.38 | 2F<br>S03 | | 2002 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.39 | Stable Yard -<br>Ground | DSTG.17 | 2005 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| DA.40 | 3F<br>T12 | | 2003 | | Door Alterations - Refer Schedule 6002 - Door Repair Ironmongery Schedule | | |
| EH.12 | Coachhouse | | 2009 | 2311 | Replace boxing in to mains incoming with meter over box as per distribution board enclosure details. | | |
| EH.13 | Lime Yard<br>CG01 | | 2013 | | Loose laid floorboarding | | |
| EH.14 | Lime Yard<br>CG01 | | 2013 | | Loose laid floorboarding | | |
| EH.15 | Coachhouse | | 2015 | | Proposed Fixed Floorboards | | |
| EH.16 | Coachhouse | | 2015 | | Loose laid floorboarding | | |
| EH.17 | Coachhouse | | 2015 | | Loose laid floorboarding | | |
| EH.18 | Coachhouse | | 2015 | | Proposed Fixed Floorboards | | |
| EH.19 | Coachhouse | | 2015 | | Either loose laid of fixed floorboards TBC | | |
| FS.11 | Roof Void<br>Stable Yard / Old<br>Kitchen | | 2006 | | Fire Stopping | Fire stopping required to cable routes connecting to the roof space above the offices (KF05 and WC KF03) and store passage (KF02), once new fire alarm cables in place. | P12 / 390 |
| FS.12 | Stable Yard - Roof | | 2006 | | Fire Stopping | Juncion of all vertical brick barriers and underside of the roofing felt to be made fire resisting by sealing gaps with mineral wool batts. Note this is to multiple locations. | P12 / 360 |
| EH.20 | Tack Room Ceiling | | 2006 | | Main Item | Tack room plasterboard ceiling to be sealed with joint compound reinforced with joint tape. Joist adjacent to crack is rotten and might require reinforcing. | |
| EH.21 | Stable Ceiling | | 2006 | | Main Item | Ceiling above STG02 and STG03 has failed keying, holes and redundant hatch. Area below ceiling not to be used and barrier erected. Crash deck to be provided. Decision to be made regarding fire resistance. Ceiling to be repaired to make plaster sound. Prior to construction, contractor to review area with client. | |
| FS.13 | Stable Yard - Loft<br>Hatches | | 2006 | | Fire Stopping | All loft hatches in the stable yard should be replaced with 30 minute fire resisting hatches. | TBC |
| | | | | | | | |