

Plan of work

With Asbestos Containing Materials for:





Panther House 156-164 Gray's Inn road WC1X 8PR

| PARTIES HOUSE | |
|--|---|
| Works location: | Basement, Ground 1 ^{st, 2nd} and 3 rd floors to Panther |
| | House East and West Wings |
| | 156 – 158 Grays Inn Road Tram Shed Ground and 1 st floor |
| | 162 Grays Inn Road |
| | 160 Grays Inn Road |
| Client contact details: | Erith Contractors (Demolition Division) |
| Principle Contactor contact details: | Erith Contractors (Demolition Division) |
| Site contact details: | Stuart Accleton – 03709508800 |
| Erith contracts manager responsible: | James Stanford – 07584210189 |
| Erith Site supervisor and first aider responsible: | James Read – 07951920043 |
| Number of staff on site | Up to 8 |
| Plan of works author: | REV01: James Stanford - 07584210189 |
| Management review by: | Tommy Score |
| | Signature: - |
| Current version reviewed by: | James Read |
| · | Signature: - |
| Compliance Manager | Andy Stanford – 07469 852 201 Steven Maude – 07468 690849 |
| Survey undertaken by: | Ensafe Consultants |
| Type of survey | Management N Ref: |
| | Demolition/refurbishment Y Ref: J115724 |
| | client instruction N Ref: |
| Copy of survey / results on site: | Yes |
| Any other licence holders: | No |
| Contract Number | A10573 |
| Plan of work revision number | |

This plan of work is to be read in conjunction with Erith Contractors safe working procedures version 20.1 issued 18/05/2020

The Enabling Specialists: Safety 24:7

Method statement - Controlled Document



1. Overview of works:

- Panther House Fully controlled removal of:
 - Textured coating to all ceilings within ground floor East Wing (Enclosure 1)
 - This enclosure will also capture the removal of Floor tiles and bitumen to Ground floor east wing G.05, G.06, G.07, G.08 and G.12.
 - Textured coating to all ceilings (excluding 1.04 and 1.08) within the 1st floor East Wing, walls to 1.13, 1.09 and 1.02 of the East Wing, the stairwells from 1st floor to 2nd floor of the East Wing and 2.02 and 2.01 on the 2nd floor of the East Wing. (Enclosure 2)
 - This enclosure will also capture the removal of Floor tiles and bitumen to 1st floor rooms 1.06, 1.07, 1.03, 1.05, 1.13, 1.02, 1.09, 1.10.
 - Textured coating to ceiling of Ground floor West Wing Stairwell G.09 (Enclosure
 3)
 - Textured coating to ceilings and columns within 2.03, 2.25, 2.02 and 2.05 t the 2nd floor West Wing (Enclosure 4)
- Panther House Controlled removal of:
 - Loose Cement panels to roof level and roof level tank room to West Wing
 - Cisterns and toilet Seats, flues and cement board to WCs throughout the building.
 - Floor tiles and bitumen to 3rd floor west wings rooms 3.22, 3.05, 3.11, 3.12, 3.13, 3.01, 3.02, 3.17, 3.16, 3.15, 3.14, 3.07, 3.04, 3.03, 3.18 and communal landing.
 - Cement board upstands to skylight to 2nd floor East Wing
 - Floor tiles and bitumen to 2nd floor rooms 2.17, 2.16, 2.19, 2.11, 2.10, 2.09, 2.08, 2.07, 2.06, 2.05, 2.04, 20.2, 2.01, 2.25, 2.24, 2.23 and 2.21.
 - Sink pads to Ground floor west wing G.02 and G.03 and 1st floor 1.14.
 - Cement flue to basement B.03.
 - Electric boxes throughout building to all levels.
- 156 158 Gravs Inn Road Tram Shed Ground and 1st floor Controlled removal of:
 - Cement board lining to underside of staircase and under stair store to ground floor
 - Floor tiles and bitumen to 1st floor lobby, kitchen and WC
 - o Cement Flue to external flat roof at 1st floor level and ground floor electric room
 - Electric boxes throughout building to all levels.
- 162 Grays Inn Road Controlled removal of loose cement sheets to ground floor outbuilding
- 160 Grays Inn Road controlled removal of floor tiles and bitumen to ground floor trade area
- High level access for textured coating removal will be via mobile towers
- The DCU will be located within the central courtyard of Panther House.
- All services will be isolated by the demolition division prior to works commencing. Isolation
 certificates will be held within the site office. Temporary water via bib taps and electrical supplies
 via 10KVA boxes will be available throughout the site.
- All waste to be placed into a sealed and lockable skip located in the central courtyard of Panther House.
- This is a demolition site and therefore PPE will be worn at all times as indicated within the site induction.
- All works to adhered to SOP 99 Coronavirus (COVID-19), a copy of the documentation will be available on site.

METHOD STATEMENT (CONTROLLED DOCUMENT)



| Key Hazards – List of main hazards to be considered by the site team | |
|--|--|
| Asbestos | |
| Working at height | |
| Working on a demolition site | |

Specific Characteristics of site -

Demolition site

Effects: live soft stripping works being conducted. Operatives to stay on designated walkways and wear PPE as defined within the site rules and site induction.

2. Sequence of work:

- Site team briefing on method statement
- Locate and set up DCU
- Build enclosure(s) for fully controlled works
- undertake controlled removal works
- Supervisor visual inspection
- De sheet enclosure(s)
- Set up respirator zone(s)
- Undertake controlled removal to specified areas
- Supervisor visual inspection
- Remove respirator zone(s)
- Air test DCU
- Clear Site

3. Duration of work and Key times and dates

| Attendance time on/off site | | | 0800 – 1700 Monday – Friday | | |
|------------------------------------|-------|--|-----------------------------|--|---|
| Duration of works (days) | | 6 weeks | | | |
| Days | Night | Weekends | ~ | | > |
| Date for Site Set up | | 16 th November 2020 | | | |
| Proposed dates for clearance | | 18 th December 2020 | | | |
| Proposed date for Contract Manager | | 16 th November 2020, then random visits | | | |
| site visits | S: | | thereafter | | |

4. Condition, quantity, fixing and type of asbestos:

| Location | Description | ACM | Condition | Quantity | Fixing / covering |
|-------------|------------------------------|------------|-----------|-------------------|--|
| Enclosure 1 | Textured coating to ceilings | Chrysotile | Good | 320M ² | Adhered to concrete |
| | Floor tiles and adhesive | Chrysotile | Good | 60M ² | Floor tiles are adhered to concrete using an asbestos contact adhesive (bitumen) |
| Enclosure 2 | Textured coating | Chrysotile | Good | 820M ² | Adhered to concrete |
| | Floor tiles and adhesive | Chrysotile | Good | 50M ² | Floor tiles are adhered to concrete using an asbestos contact adhesive (bitumen) |
| Enclosure 3 | Textured coating | Chrysotile | Good | 250M ² | Adhered to concrete |





| | THOD STATEMENT (CONTROLLED DOCUMENT) | | | | | |
|---|--|------------|------------|---|--|--|
| Enclosure 4 | Textured | Chrysotile | Good | 10M ² | Adhered to | |
| | coating | Non Enclos | Sura Warks | | concrete | |
| Roof level and roof level tank room to West Wing | Cement panels | Chrysotile | Good | 4M ² | Loose to floor | |
| WCs throughout | Cisterns and toilet Seats | Amosite | Good | 12no sets | Screwed | |
| WCs throughout | flues and cement board | Chrysotile | Good | 24LM | Cement board is nailed. The flue is screwed to the wall using clips. | |
| 3 rd floor rooms 3.22, 3.05, 3.11, 3.12, 3.13, 3.01, 3.02, 3.17, 3.16, 3.15, 3.14, 3.07, 3.04, 3.03, 3.18 and communal landing. | Floor tiles and bitumen | Chrysotile | Good | 106M ² | Floor tiles are adhered to concrete using an asbestos contact adhesive (bitumen) | |
| 2 nd floor rooms 2.17, 2.16, 2.19, 2.11, 2.10, 2.09, 2.08, 2.07, 2.06, 2.05, 2.04, 20.2, 2.01, 2.25, 2.24, 2.23 and 2.21. | Floor tiles and bitumen | Chrysotile | Good | 208M ² | Floor tiles are adhered to concrete using an asbestos contact adhesive (bitumen) | |
| Ground floor west wing G.02 and G.03. and 1st Floor 1.14 | Sink pads | Chrysotile | Good | 3no. | Adhered by the nature of its own composition to the sink unit | |
| Basement B.03. | Cement flue | Chrysotile | Good | 1LM | screwed to wall using clips | |
| throughout building to all levels. | Electric boxes containing flash guards | Chrysotile | Good | Approximately 8 per floor in Both wings | Electric boxes are screwed to the wall | |
| 156 – 158 Grays Inn Road Tram Shed Ground and 1 st floor | Electric boxes containing flash guards | Chrysotile | Good | Approximately 4 per floor in Both wings | Electric boxes are screwed to the wall | |
| 156 – 158 Grays Inn Road Tram Shed Ground floor | Cement board lining to underside of staircase and under stair store | Chrysotile | Good | 20M ² | Nailed to a timber framework | |
| 156 – 158 Grays Inn Road Tram Shed 1 st floor | Floor tiles and bitumen to 1st floor lobby, kitchen and WC | Chrysotile | Good | 10M ² | Floor tiles are adhered to concrete using an asbestos contact adhesive (bitumen) | |
| 156 – 158 Grays Inn Road Tram Shed Ground and 1 st floor | Cement Flue to external flat roof at 1st floor level and ground floor electric room | Chrysotile | Good | 8LM | screwed to wall using clips | |

METHOD STATEMENT (CONTROLLED DOCUMENT)



| | | <u> </u> | | | |
|-----------------------|---|------------|------|------------------|--|
| 160 Grays Inn Road | floor tiles and bitumen to ground floor trade area | Chrysotile | Good | 30M ² | Floor tiles are adhered to concrete using an asbestos contact adhesive (bitumen) |
| 162 Grays Inn Road | loose cement sheets to ground floor outbuilding | Chrysotile | Good | 4M ² | Loose |

5. Heavy items

• The heaviest item will be a 2300 NPU at 36KG.

6. Air monitoring arrangements:

| Name of Analytical Company | Adams Environmental |
|---------------------------------------|---|
| conducting air monitoring: | |
| Who is analyst responsible to: | Erith Contractors |
| Liaison with analyst carried out via: | Direct |
| Dates analyst on site: | To be booked as required as air monitoring is not a |
| | statutory requirement on this project |
| Types of monitoring | Reassurance |
| | Personals |
| Times on site: | 0800 - 1700 |
| Tasks for personal monitoring | Removal |
| · | |

7. Enclosure entry and exit arrangements:

- As per safe working procedures ref 15.3(2) transit procedure between decontamination unit and enclosure
 - This is applicable to enclosure 2, 3 and 4
- As per safe working procedures ref 15.3(1) decontamination unit directly connected to enclosure
 - This is applicable to enclosure 1

8. Communications

- Supervisor/outside man will communicate verbally with enclosure staff at a suitable location i.e.
 Enclosure entrance
- Enclosure staff will attract attention by the use of vision panels and CCTV to attract supervisor/outside man
- Operatives will use an air horn to alert the supervisor / outside man in the case of an emergency
- Liaison with the Principle Contractor will be carried out by the Supervisor and/or Contracts Manager.
- Liaison with the Client will be carried out by the Supervisor and/or Contracts Manager.

9. Emergency procedures:

- As safe working procedures ref 21(exclude Magnox specific ref 21.13)
- In the event of an emergency, Site staff shall muster at front of the building opposite the courtyard as detailed within the site induction.

10. RPE and PPE

- PPE arrangements will be as per Safe Working Procedures section 11 and as detailed within the site induction.
- RPE will be as per enclosure specific task sheet

METHOD STATEMENT (CONTROLLED DOCUMENT)



11. General site hazards and COSHH Hazards:

- Disease from vermin
- Hand Cutting Timber for Enclosure construction
- General Manual Handling
- Fire
- Hand Tool Use
- Erection of Asbestos Enclosures
- Towing a Mobile Decontamination Unit
- Transiting to and from a live asbestos enclosure
- · COSSH Wetting Agent for ACM
- COSHH Smoke Testing of Enclosure
- COSHH Expanding Foam
- COSHH Spraying Adhesive
- COSHH General Dust
- COSHH X-Tex

See Appendix i & ii of safe working procedures for risk assessments and COSHH assessments relating to the above.

12. Site Specific Risk Assessments

Risk Matrix

| PS=Prob | pability score | SS=Severity score | | RS=Risk score | | PA=Persons affected |
|--------------------------|-----------------------|-------------------|---------------------------|---------------|----------------------|---------------------------|
| 0 = Imp | ossible | 0 = No | harm/affect | 0 =No risk | | E = Employee |
| 1 = Imp | robable | 1 | = Minor | 1-5 | = Low | OC = Other Contractors |
| 2 = Re | emote | 2 = | Moderate | 6-10 = | Moderate | VIS = Visitor to site |
| 3 = Po | ssible | 3 = | = Serious | 11-15 = | Significant | MP = Member of Public |
| 4 = Pro | obable | 4 | 4 = Major 16-25 = Extreme | | YP = Young Person | |
| 5 = I | ikely | 5 = C | atastrophic | | | TO = Tenants or Occupier |
| Probability and severity | 0 = No harm/affect | 1=Minor | 2= Moderate | 3 = Serious | 4 = Major | 5 = Catastrophic |
| 0 = | NO | NO | NO | NO | NO | NO |
| Impossible | RISK | RISK | RISK | RISK | RISK | RISK |
| 1 = | NO | LOW | LOW | LOW | LOW | LOW |
| Improbable | RISK | RISK | RISK | RISK | RISK | RISK |
| 2 = Remote | NO | LOW | LOW | MODERATE | MODERATE | MODERATE |
| | RISK | RISK | RISK | RISK | RISK | RISK |
| 3 = Possible | NO | LOW | MODERATE | MODERATE | SIGNIFICANT | SIGNIFICANT |
| | RISK | RISK | RISK | RISK | RISK | RISK |
| 4 = | NO | LOW | MODERATE | SIGNIFICANT | EXTREME | EXTREME |
| Probable | RISK | RISK | RISK | RISK | RISK | RISK |
| 5 = likely | NO | LOW | MODERATE | SIGNIFICANT | EXTREME | EXTREME |
| | RISK | RISK | RISK | RISK | RISK | RISK |



| Activity | emoval of various asbestos materials including textured coating, cement, composites, textiles and adhesive. | | | | | |
|----------------------------------|---|-----------------|-----------------------|--|--|--|
| 1. Hazards 2. At Risk Groups | | | | | | |
| Asbestos Exposure | Asbestos Spread | Erith Employees | Contractors | | | |
| · | | Visitors | Members of the public | | | |
| | | Young Persons | Vulnerable groups | | | |
| | | Migrant workers | Tenants or Occupier | | | |
| 2 Diele Detien | Likelihood | Severity | Risk Level | | | |
| 3. Risk Rating (Before controls) | 3 | 5 | Significant | | | |

4. Control Measures

- 1. Operatives shall utilise hand held low pressure sprayers to dispense surfactant upon the ACMs prior to removal
- 2. Adequate time is to be allowed for suppressant to penetrate the material, although given the water-resistant nature of the materials; this will aid more in controlling surface dust.
- 3. All ACMs shall be removed using suitable hand tools only, with the exception of bitumen and floor tiles that require a kango with a floor tool
- 4. All generated waste shall be placed directly into UN approved asbestos waste sacks and sealed.
- 5. Textured coating will be removed from within an enclosure using an NPU, air lock system and full face RPE. A DCU will be on site for decontamination during these works.
- 6. Floor tiles, cement, flash guards and composites will be removed from within a respirator zone where half face RPE will be worn.

4a. For additional Site-Specific Controls / Information use Risk Assessment Review and Change

| 7.Risk Rating | Likelihood | Severity | Risk Level | | | |
|---|------------|----------|------------|--|--|--|
| (with controls) | 1 | 5 | Low | | | |
| 8. Further Guidance | | | | | | |
| Control of Asbestos Regulations 2012 L143 ACOP - Managing and working with asbestos | | | | | | |

| Activity | Hand Arm Vibration from the use of hand held power tools (Kango, Scabbler) | | | | | |
|----------------------------------|--|-----------------|-----------------------|--|--|--|
| 1. | 1. Hazards 2. At Risk Groups | | | | | |
| HAVS | loss of sense of touch | Erith Employees | Contractors | | | |
| Long term disability | Possible physical injury | Visitors | Members of the public | | | |
| loss of dexterity | | Young Persons | Vulnerable groups | | | |
| | | Migrant workers | Tenants or Occupier | | | |
| 2 5: 1 5 7: | Likelihood | Severity | Risk Level | | | |
| 3. Risk Rating (Before controls) | 4 | 4 | Significant | | | |

4. Control Measures

- 1. The tools selected for each task have been chosen as the "low vibration" type based on manufacturer's technical data.
- 2. Gloves are available and are to be use during the work.
- 3. The supervisor will work to HSE guidance on exposure times and to the exposure times of the supplied equipment and rotate work force so no single worker is exposed to the limits of more than the exposure limit value.
- 4. Keep hands warm and massage fingers during work and release grip periodically and flex tendons.
- 5. Ensure equipment is properly maintained and tools are kept sharp.
- 6. The supervisor will ensure that only trained/experienced operators operate equipment and tool box talks given if the task has never been undertaken before.

4a. For additional Site-Specific Controls / Information use Risk Assessment Review and Change

| 5. Risk Rating | Likelihood | Severity | Risk Level | | |
|--|---|----------|------------|--|--|
| (with controls) | 1 | 4 | Low | | |
| | 6. Further Gu | uidance | | | |
| The Control of Vibration at Work Regular | The Control of Vibration at Work Regulations 2005 | | | | |



| Activity | The Use of Hand Held Power Tools (Kango, Scabbler) | | | | | |
|--|--|-----------------|-----------------------|--|--|--|
| 1. + | azards | 2. At Ri | sk Groups | | | |
| Electrocution, | Impact with the tool | Erith Employees | Contractors | | | |
| Inhalation of dust | Muscular skeletal injuries | Visitors | Members of the public | | | |
| Contamination with substance being worked with | Falls due to access problems | Young Persons | Vulnerable groups | | | |
| Falling materials | | Migrant workers | Tenants or Occupier | | | |
| 2 Piets Petitors | Likelihood | Severity | Risk Level | | | |
| 3. Risk Rating (Before controls) | 4 | 4 | Extreme | | | |

4. **Control Measures**

- 1. Ensure that the tool is correctly rated for the task and suitable for the work load expected.
- 2. Ensure that the tool is in good order and a daily/per use visual inspection has been carried out.
- 3. Ensure that the operative is instructed how to use the tool safely via a tool box talk on the task at hand.
- 4. Ensure that lighting is sufficient within the area.
- 5. Ensure that the access is safe with any working platform compliant with Work at Height Regulations 2005.
- 6. Supervisors are to ensure that the operatives have received any relevant training on the use of the equipment.
- 7. Work should be scheduled / phased and completed as per the plan of work.
- 8. PPE appropriate to the task is issued and used, e.g. hard hats, safety footwear, impact resistant goggles, ear defenders, dust masks and gloves.
- 9. All cutting electric tools to be 110v, PAT tested up to date and inspected prior to use. Only trained operators to carry out changing of blades and disc's as per there training.
- 10. Battery operated tools to be charged using the charger designed for the tool

4a. For additional Site-Specific Controls / Information use Risk Assessment Review and Change

| 5. Risk Rating (with controls) | Likelihood | Severity | Risk Level | |
|--------------------------------|------------|----------|------------|--|
| | 1 | 4 | Low | |
| | | | | |

Provision and Use of Work Equipment Regulations 1998 L143 ACOP - Managing and working with asbestos

| Activity | Wo | Working on a demolition site | | | | |
|----------------------------------|----|------------------------------|-----------------|-----------------------|--|--|
| 1. Hazards 2. At Risk Groups | | | | | | |
| Overhead obstacles | | Heavy objects | Erith Employees | Contractors | | |
| Sharp objects | | | Visitors | Members of the public | | |
| Airborne particles | | | Young Persons | Vulnerable groups | | |
| Moving vehicles | | | Migrant workers | Tenants or Occupier | | |
| 0 | | Likelihood | Severity | Risk Level | | |
| 3. Risk Rating (Before controls) | | 4 | 4 | Extreme | | |

4. Control Measures

- Full PPE will be worn when entering site and during removal works. This will include gloves, glasses, Safety boots, high visibility jackets and hard hats.
- Ear defenders will be present on site and used when required
- All operatives to be made aware of any specific site rules via pre job briefings or toolbox talks.
- 5. All operatives to obey site walkways and be aware of traffic routes.

4a. For additional Site-Specific Controls / Information use Risk Assessment Review and Change

| 1.Risk Rating | Likelihood | Severity | Risk Level | |
|--------------------------------------|------------------------|------------------------------------|------------------------|--|
| (with controls) | 1 | 4 | Low | |
| | 2. Further Gui | dance | | |
| The Construction (Design and Managem | nent) Regulations 2015 | Workplace (Health, Safety and 1992 | d Welfare) Regulations | |



| Activity Bladed scraper use | | | | | |
|--|-------|---------------------------------|------------------------------|-----------------------|--|
| 5. Hazards 6. At Risk Groups | | | | | |
| Impact with the tool Blade | | | Erith Employees | Contractors | |
| Cuts from blades while using tool | | | Visitors | Members of the public | |
| Cuts from blades changing blades | | | Young Persons | Vulnerable groups | |
| | | | Migrant workers | Tenants or Occupier | |
| | | Likelihood | Severity | Risk Level | |
| 7. Risk Rating (Before controls) | | 4 | 4 | Extreme | |
| | | 8. Control Me | asures | | |
| 1. Ensure that the tool is inspected | | • | | | |
| 2. Ensure that the tool and clamp s | | | | | |
| 3. Ensure that the screwdriver is th | | | | | |
| 4. Ensure the user wears appropria | | | | | |
| 5. Operative is instructed how to us | | , | direct instruction. | | |
| 6. Ensure that lighting is sufficient in working area. | | | | | |
| 7. Ensure that the scraper is placed on a solid surface to prevent slips while changing blade. | | | | | |
| 8. Ensure the blade clamp is suitab | | | | | |
| 4a. For additional Si | te-Sp | ecific Controls / Information ι | ise Risk Assessment Review a | and Change | |

| 3.Risk Rating | Likelihood | Severity | Risk Level | | | |
|--|------------|----------|------------|--|--|--|
| (with controls) | 1 | 4 | Low | | | |
| 4. Further Guidance | | | | | | |
| L143 ACOP - Managing and working with asbestos | | | | | | |

| Activity | Use of Mobile Tower at Panther House | | | | |
|---|--------------------------------------|-----------------|-----------------------|--|--|
| 1. Hazards 2. At Risk Groups | | | | | |
| Possible injury from falls | | Erith Employees | Contractors | | |
| Possible injury from falling objects | | Visitors | Members of the public | | |
| | | Young Persons | Vulnerable groups | | |
| | | Migrant workers | Tenants or Occupier | | |
| 2 5: 1 5 7: | Likelihood | Severity | Risk Level | | |
| Risk Rating (Before controls) | 3 | 4 | Significant | | |

4. Control Measures

- 1. Operatives working under the supervision of competent person usually the site supervisor with recognised training are to erect mobile towers
- 2. All towers are erected as per manufacturer's recommendations and are a complete tower by design not a mixture of different tower parts.
- 3. Toe boards and hand rails to be used in line with current guidelines that guard rails, toe-boards, unprotected gaps shall conform to requirements of the Work at Height Regulations i.e. top rail at 950mm min, toe-boards 150mm min, gaps of 470mm max.
- 4. No work is to be undertaken until tower is inspected and signed off by competent person on completion
 - 4a. For additional Site-Specific Controls / Information use Risk Assessment Review and Change

| 5. Risk Rating | Likelihood Severity | | Risk Level | | | | |
|---------------------------------|---------------------|----------------------------|-----------------------|--|--|--|--|
| (with controls) | 1 | 4 | Low | | | | |
| | 6. Further Guidance | | | | | | |
| Work at Height Regulations 2005 | | L143 ACOP - Managing and v | vorking with asbestos | | | | |
| | | | | | | | |



| Activity Use of low level access equipment (hop ups) | | | | | | | |
|--|---|---|-------------------|-----------------------|--|--|--|
| | 1. Haz | ards | 2. At Risk Groups | | | | |
| Falls | | | Erith Employees | Contractors | | | |
| | | | Visitors | Members of the public | | | |
| | | | Young Persons | Vulnerable groups | | | |
| | | | Migrant workers | Tenants or Occupier | | | |
| 3. | Risk Rating | Likelihood | Severity | Risk Level | | | |
| ~ - | fore controls) | 3 | 4 | Significant | | | |
| | | 4. Cor | trol Measures | | | | |
| 2. O | | r checked prior to use at hop ups upon even ground m the centre of the platform t | | | | | |
| | 4a. For additional Site-Specific Controls / Information use Risk Assessment Review and Change | | | | | | |
| 5 | . Risk Rating | Likelihood | Severity | Risk Level | | | |
| | (with controls) | ating | | | | | |
| | | 6. Fur | ther Guidance | | | | |

| RA 39 | COVID_19 (Coronavirus) | | |
|-------------------|------------------------|-------------------|-----------------------|
| 1. Hazards | | 2. At Risk Groups | |
| Transport systems | Covid 19 | Erith Employees | Contractors |
| Hard surface | Work practises | Visitors | Members of the public |
| Site visitors | Delayed symptoms | Migrant workers | Vulnerable people |
| Social gatherings | Shared spaces | Young workers | |
| 3. Risk Rating | Likelihood | Severity | Risk Level |
| (Before controls) | 4 | 5 | High |

L143 ACOP - Managing and working with asbestos

4. Control Measures

The Work at Height Regulations 2005

- All persons shall be made aware of the Covid-19 risks at the site induction.
- TBT on COVID-19 to be briefed out
- SOP 099 to be enacted by sites along with business continuity plan site risk level to be monitored
- All non-essential visitors prohibited from site
- All visitors asked to sign COVID_19 declaration
- All persons on site to maintain a rigorous hygiene regimen washing hands before work, on breaks and after works for at least 20 seconds each time
- Ensuring people stay 2m apart at all times and don't have direct physical contact
- Site to ensure the following social distancing measures are enacted:
 - Staggering start times
 - Staggering break times so welfare cabins are not crowded
 - · Having numbered shifts at break times (e.g. 1, 2, 3, etc and allocating numbered tables for each shift to sit
 - Separating people in offices utilising meeting rooms for extra space
 - Asking non-essential staff to work remotely
 - Giving briefings in small groups with plenty of space between persons
 - Removing / reducing the need to sign in / out and onto paperwork (site management team to sign on your behalf)
 - Setting all turnstiles to free turn (no need for fingerprint to access)
 - Providing additional smoking areas to allow distancing
- Meetings to be done utilising team / phone calls
- A good standard of housekeeping shall be maintained across site
- Cleaning regime established for all communal areas -with areas cleaned after each shifts use
- Any person showing symptoms to be instructed to self-isolate immediately
- Zero tolerance for person not following guidelines
- Person with underlying conditions/ family with underlying conditions to make themselves know to line manager
- Clear desk policy in offices so surfaces can be cleaned
- No lone of PPE / Work wear
- No eating, drinking or smoking out on site.
- Staggered work times
- Avoid public transport especially at rush hour
- 2 people at any one time using the smoking area and keeping 2m distance
- Emergency response plan in place for Covid 19
- Relevant COVID-19 information posters to be established (handwashing / social distancing)
- If car sharing (either to work or around site) then maximum of 2 persons per vehicle and never in the same row (e.g. driver and passenger in the rear seats)
- Where possible utilise mechanical means for lifting to minimise close working



13. Method of work.

Site team briefing on method statement.

- Check all paperwork, Toolbox talk, sign and question operatives understanding.
- On arrival all operatives will be required to attend a site induction.

Welfare Facilities

Welfare facilities are located on the ground floor of Panther House in the West Wing.

Locate and set up DCU, Skip and mesh fencing

 The DCU will be located within the central courtyard on the ground floor adjacent to the UKPN substation area. The skip will be located adjacent to the far entrance of the West Wing.



- Mesh fencing will be set up around the skip.
- Power supplies for the DCU will come from the onboard generator.
- Waster supplies for the DCU will come from an installed bib tap at ground floor level.
- Waste water will be dispersed down one of several drains located in the courtyard via hose pipe.





Waste and Transit route details

 The central staircase adjoining the west and east wings of the building will be used for transiting and waste removal. This will be used to avoid interaction with demolition operatives.



Conduct Pre Clean

• As per Safe Working Procedures section 14.1

Construct enclosure(s) and/or respirator Zone(s)

• See area specific task sheet

Enclosure Commissioning (where applicable)

- As per safe working procedures section 14.9
- Site diaries are to be signed by the supervisor to confirm smoke test has been carried out. This will be witnessed by the client or analyst where possible
- After testing the Negative Pressure Unit performance will be checked by an anemometer and recorded in the site diary



Suppresion of ACM

The following table denotes the values for supression of ACMs to be used within this project.

| Suppression delivery system | Red Box | | | |
|---------------------------------------|--|-------------------------|--|--|
| | Killaspray | Yes | | |
| | Airless spray | | | |
| Amount to deliver | Per M ² | 1 litre | | |
| | Per linear | 1 litre | | |
| | meter | | | |
| Time for delivery of suppressant | 90 seconds per litre | | | |
| Time for suppressant to penetrate | 15 Minutes | | | |
| | Note that asbestos plastics and cement do not readily "wet" with water based surfactant and this measure will be use t ocontrol surface dust | | | |
| Indicator to check for penetration | Core sample | | | |
| , , , , , , , , , , , , , , , , , , , | Material | Yes | | |
| | inspection | | | |
| | Discoloration | Yes | | |
| Suppressant mixing ratio | 10 parts water | r to 1 parts surfactant | | |

Undertake Controlled removal

See area specific task sheet

Begin Fine clean

• As per Safe Working Procedures section 14.12

Supervisor Visual inspection

• As per Safe Working Procedures section 19.

Air test DCU

- As per safe working procedures 19.4
- The DCU will be tested before withdrawal from site.

14. Maintenance of control measures

• The site supervisor will be responsible for maintaining controls specified with this method statement and completing a site diary and ensuring all staff follow Erith's safe working procedures and site specific method statements when on site.



15. Waste Removal

| Control | Υ | N | Control | Υ | N |
|-----------------|---|---|------------------|---|---|
| Pre-clean Route | Χ | | Waste Store | | Χ |
| Barrier Route | Χ | | Wheelie Bins | | Χ |
| Corex Route | | Х | Van Store | | Χ |
| Regular Cleans | Χ | | Skip | Χ | |
| | | | Waste Collection | | |

- Amount of waste to be generated is approximately 5 tonnes.
- Waste Sacks will be removed from the enclosure as per the stage by stage guide described in Safe Working Procedures section 18.2
- Waste shall be placed into a sealed and lockable skip supplied by: Asbestos Waste Solutions

27A Oliver Close

Thurrock

Essex

ESSEX

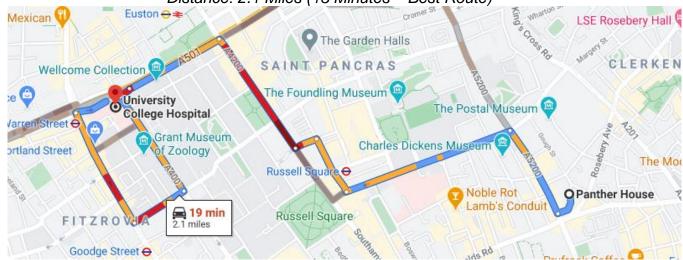
RM20 3EE

16. Location of nearest A&E Hospital

University College Hospital

235 Euston Road London NW1 2BU Tel: 020 3456 7890

Distance: 2.1 Miles (13 Minutes - Best Route)





Enclosure Reference: - Enclosure 1 Page 1 of 2

Sequence of Work:

- **Build Enclosure**
- Undertake controlled removal
- Conduct fine clean
- Supervisor visual inspection
- Analyst invited for visual inspection and air test
- De sheet enclosure
- Analyst to complete 4th stage
- Analyst to issue certificate for reoccupation

Air Movement Calculation: -**NPU Requirement**

30M Length x 8M Width x 3M Height = $720M^3$ 720M³ + 6M³ Air lock and connecting tunnel + 6M³ bag lock = $732M^3$

 $732M^3 \times 10$ (no.air changes) = 7,320CMH 4 x 2300 Negative pressure units required

Air Management

Total required = 9,200CMH + 1,326CMH for 3 x 5200 NPU pre filters to connecting tunnel

+ 1,500CMH 3 stage bag lock

+ 6,000CMH for 3 x 5200 NPU roving air inlet tubes Total air in = 8,826CMH

| Enclosure Brief | ing: - <u>Date:</u> |
|-----------------|---------------------|
| Name | Signature |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | <u> </u> |

Site layout and Enclosure Sketch: Panther House Enclosure 1 (Textured Coating) Drawing not to Scale H Type Vacs, Roving air inlet and CCTV will be moved as work progresses. placements are for drawing purposes only **Ground level** Air Locks Bag Locks G.03 ACM to be Removed G.05--- Enclosure Vision Panel H Type Vacs c CCTV ► Waste /Transit Route G.07 Flexi Hose -> Roving air inlet G Generator 6.08 G.01 3.03 Ó 3.05

Street

Scope of Work: -

- Fully controlled removal of Textured coating to all ceilings within ground floor East Wing (Enclosure 1)
- Fully controlled removal of Floor tiles and bitumen to Ground floor east wing G.05, G.06, G.07, G.08 and G.12.





Page 2 of 2

Enclosure Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this enclosure:

- Disease from vermin
- Hand Cutting Timber for Enclosure construction
- General Manual Handling
- Fire
- Hand Tool Use
- Erection of Asbestos Enclosures
- Noise and noise nuisance
- Use of handheld powered tools
- Hand arm vibration
- Removal of various ACMs (Textured Coating and floor tiles)
- Use of low level access equpiemnt (hop ups)
- Use of mobile tower at Panther House
- Use of bladed scraper at Panther House
- COSSH Wetting Agent for ACM
- COSHH Smoke Testing of Enclosure
- COSHH Expanding Foam
- COSHH Spraying Adhesive
- COSHH General Dust
- COSHH X-Tex

Enclosure Construction: -

- As per safe working procedures 14.2-14.5
- The enclosure will be constructed using a combination of the fabric of the building 1000 gauge polythene, timber, staples, self-adhesive cloth tape, silver foil tape, spray adhesive and corex.
- The enclosure will be fitted with a three stage bag lock and one stage air lock system. A connecting tunnel will be constructed to connect the DCU to the enclosure. These will be made of interlocking chambers each measuring 1000mm x 1000mm x 2000mm. these will be constructed using metal speed frames, 1000 gauge polythene, timber, staples, self-adhesive cloth tape and spray adhesive.
- 4 x 2300 NPUs will be fitted to the enclosure as per Safe Working procedures section 14.5. The NPUs will be fitted internally to the enclosure and will be covered in an additional layer of polythene. They will vent directly to atmosphere.
- The enclosure will be supervised using a combination of vision panels and CCTV.
- 3 x 5200 NPU roving air inlets tubes will be attached to the enclosure to improve air flow as per Safe Working Procedures section 14.8

Waste Disposal

Waste removal for this enclosure will follow as outline on page 12

Transit route Details

Transit route details for this enclosure will follow as per page 14

Expected Exposure:

| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) |
|-------------------------------------|-------------------------|----------------------|
| Pre clean | <5 f/ml | <0.1 f/ml |
| Enclosure erection | <5 f/ml | <0.01 f/ml |
| Asbestos removal – Textured Coating | <5 f/ml | <0.05 f/ml |
| Asbestos removal – Floor tiles and | <5 f/ml | <0.05 f/ml |
| bitumen | | |
| Waste removal | <5 f/ml | <0.1 f/ml |
| Enclosure dismantle | <5 f/ml | <0.01 f/ml |

PPE / RPE Arrangeemnts

| Task/ activity | Respirator | Coverall |
|--|--------------------------|--------------------|
| Pre clean | Half face Orinasal | Blue Cat 3 type 5 |
| Enclosure Erection | Half face Orinasal | Blue Cat 3 type 5 |
| Asbestos Removal | Full face power assisted | Red Cat 3 type 5 |
| Supervisor Visual Inspection (Enclosure) | Full Face Power Assisted | Red Cat 3 type 5 |
| NPU exclusion zone (internal venting) | Half face Orinasal | Blue Cat 3 type 5 |
| Transit to DCU | Full Face Power Assisted | White Cat 3 type 5 |
| Waste Removal | Half face Orinasal | Blue Cat 3 type 5 |
| Enclosure Dismantle | Half face Orinasal | Blue Cat 3 type 5 |

| <u>Ameno</u> | <u>lments</u> | |
|--------------|---------------|------|
| No. | Reason | Date |
| A1 | | |
| A2 | | |
| A3 | | |
| A4 | | |

Removal Methods: -

Note that all ACM suppression for this enclosure will follow as per the table outlined on page 13
 Bladed Hand Tools

When changing or using bladed hand tools, e.g. Stanley knives, Yankee Scrapers, the following procedures should be employed:

General procedure: -

- Ensure that the tool is inspected before use and is correct for the job.
- Ensure the user wears appropriate cut resistant gloves.
- Ensure the blades are protected before changing.
- Operative is instructed how to use the tool safely via a tool box talk or direct instruction.
- Ensure that lighting is sufficient in working area.

Additional procedure for Scrapers: -

- Ensure that the tool and clamp screws are in good order.
- Ensure that the screwdriver is the correct size for the screws.
- Ensure that the scraper is on a solid surface to prevent slips.
- Ensure the blade clamp is suitably fastened to prevent blade slipping during operation.

Undertake controlled removal of textured coating

- Once the containment controls have been constructed (as indicated in the plan of work) and the
 operatives have donned PPE and RPE they will enter the respirator zone.
- Prior to removing the Textured Coating, any items attached to the ceiling will be un-screwed and disposed of.
- Operatives are to use penetrating gels where necessary to ease the removal of the textured coating. The penetrating gel will be applied by brush and then left to penetrate for at least 30 minutes.
- As the treated textured coating is removed, it shall be placed directly into red asbestos sacks and, once sufficiently filled, sealed at the neck prior to disposal.

Undertake controlled removal of Floor Tiles and adhesive

- All windows will be closed and taped up to prevent dust egress.
- Once the exclusion zone has been constructed and the operatives have donned PPE and RPE they will enter the area and spray the tiles with a dilute solution of fibre suppressant and water to contain general dust before removal commences.
- Thermoplastic floor tiles are set in adhesive and may be removed by using a long-handled mutt Scraper
- Once all tiles are removed a hand held scabbler unit attached to an 'H' type vacuum can be used to remove the bitumen adhesive.
- In some circumstances remaining adhesive in corners inaccessible to the scabbler will need to be removed using bladed scrapers

Conduct Fine Clean

As per Safe working Procedures section 14.12

Waste Remov

All fine clean waste is to be placed into red UN approved waste sacks. The red sacks will then be
placed into clear UN approved waste sacks in the middle stage of the bag lock and removed from the
enclosure as described in Safe Working Procedures section 18.2



Enclosure Reference: - Enclosure 2 Page 1 of 2

Sequence of Work:

- Build Enclosure
- Undertake controlled removal
- Conduct fine clean
- Supervisor visual inspection
- Analyst invited for visual inspection and air test
- De sheet enclosure
- Analyst to complete 4th stage
- Analyst to issue certificate for reoccupation

<u>Air Movement Calculation: -</u> NPU Requirement

 1^{st} floor section: 30M Length x 8M Width x 3M Height = $720M^3$ 2^{nd} floor NPU section: 10M Length x 8M Width x 3M Height = $240M^3$ 2^{nd} floor air lock section: 3M Length x 8M Width x

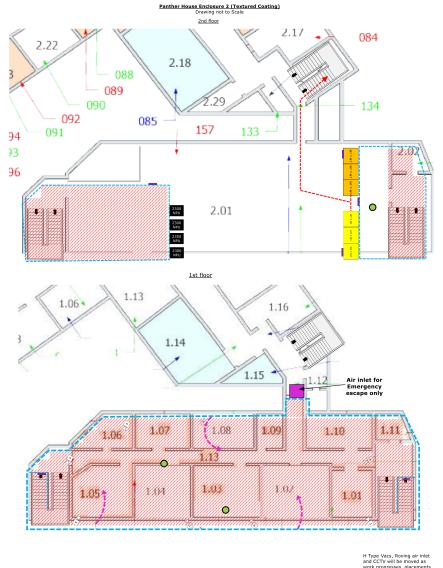
3M Height = 72M³
816M³ + 6M³ Air lock + 6M³ bag lock = 828M³
828M³ x 10 (no.air changes) = 7,320CMH
4 x 2300 Negative pressure units required

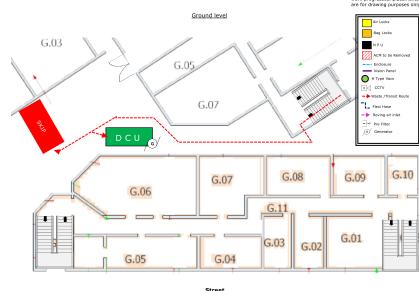
Air Management

Total required = 9,200CMH + 1,500CMH 3 stage air lock + 1,500CMH 3 stage bag lock + 6,000CMH for 3 x 5200 NPU roving air inlet tubes Total air in = 9,000

| Enclosure Briefing: - Date: | |
|-----------------------------|-----------|
| Name | Signature |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Site layout and Enclosure Sketch:





Scope of Work: -

- Fully controlled removal of Textured coating to all ceilings (excluding 1.04 and 1.08) within the 1st floor East Wing, walls to 1.13, 1.09 and 1.02 of the East Wing, the stairwells from 1st floor to 2nd floor of the East Wing and 2.02 and 2.01 on the 2nd floor of the East Wing. (Enclosure 2)
- Fully Controlled removal of Floor tiles and bitumen to 1st floor rooms 1.06, 1.07, 1.03, 1.05, 1.13, 1.02, 1.09, 1.10
- The DCU cannot be connected to the enclosure due the position of the works within the building

Photos:







Page 2 of 2

Enclosure Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this enclosure:

- Disease from vermin
- Hand Cutting Timber for Enclosure construction
- General Manual Handling
- Fire
- Hand Tool Use
- Erection of Asbestos Enclosures
- Noise and noise nuisance
- Use of handheld powered tools
- Hand arm vibration
- Transiting to and from a live asbestos enclosure
- Removal of various ACMs (Textured Coating and floor tiles)
- Use of low level access equipment (hop ups)
- Use of mobile tower at Panther House
- Use of bladed scraper at Panther House
- COSSH Wetting Agent for ACM
- COSHH Smoke Testing of Enclosure
- COSHH Expanding Foam
- COSHH Spraying Adhesive
- COSHH General Dust
- COSHH X-Tex

Enclosure Construction: -

- As per safe working procedures 14.2-14.5
- The enclosure will be constructed using a combination of the fabric of the building 1000 gauge polythene, timber, staples, self-adhesive cloth tape, silver foil tape, spray adhesive and corex.
- The enclosure will be fitted with a three stage air and bag lock system.

 These will be made of interlocking chambers each measuring 1000mm x 1000mm x 2000mm. these will be constructed using metal speed frames, 1000 gauge polythene, self-adhesive cloth tape and spray adhesive.
- 4 x 2300 NPUs will be fitted to the enclosure as per Safe Working procedures section 14.5. The NPUs will vent internally so a respirator zone will be set up around the rear of the NPU as per Sage Working Procedures section 23.
- The enclosure will be supervised using a combination of vision panels and CCTV.
- A single air inlet chamber will be attached to the enclosure for emergency escape purposes only. The chamber will be constructed in a similar way to an air lock chamber. The chamber will remain closed at all times unless required for an emergency.
- 3 x 5200 NPU roving air inlets tubes will be attached to the enclosure to improve air flow as per Safe Working Procedures section 14.8

Waste Disposal

Waste removal for this enclosure will follow as outline on page 11

Transit route Details

Transit route details for this enclosure will follow as per page 12

Expected Exposure:

| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) |
|--|-------------------------|----------------------|
| Pre clean | <5 f/ml | <0.1 f/ml |
| Enclosure erection | <5 f/ml | <0.01 f/ml |
| Asbestos removal – textured coating | <5 f/ml | <0.05 f/ml |
| Asbestos removal – floor tiles and bitumen | <5 f/ml | <0.05 f/ml |
| Waste removal | <5 f/ml | <0.1 f/ml |
| Enclosure dismantle | <5 f/ml | <0.01 f/ml |

PPE / RPE Arrangeemnts

| Task/ activity | Respirator | Coverall |
|--|--------------------------|--------------------|
| Pre clean | Half face Orinasal | Blue Cat 3 type 5 |
| Enclosure Erection | Half face Orinasal | Blue Cat 3 type 5 |
| Asbestos Removal | Full face power assisted | Red Cat 3 type 5 |
| Supervisor Visual Inspection (Enclosure) | Full Face Power Assisted | Red Cat 3 type 5 |
| NPU exclusion zone (internal venting) | Half face Orinasal | Blue Cat 3 type 5 |
| Transit to DCU | Full Face Power Assisted | White Cat 3 type 5 |
| Waste Removal | Half face Orinasal | Blue Cat 3 type 5 |
| Enclosure Dismantle | Half face Orinasal | Blue Cat 3 type 5 |

The Enabling Specialists: Safety 24:7

www.erith.com

Page 18 of 35

| <u>Amendments</u> | | |
|-------------------|--------|------|
| No. | Reason | Date |
| A1 | | |
| A2 | | |
| A3 | | |
| A4 | | |

Removal Methods: -

Note that all ACM suppression for this enclosure will follow as per the table outlined on page 13
 Bladed Hand Tools

When changing or using bladed hand tools, e.g. Stanley knives, Yankee Scrapers, the following procedures should be employed:

General procedure:

- Ensure that the tool is inspected before use and is correct for the job.
- Ensure the user wears appropriate cut resistant gloves.
- Ensure the blades are protected before changing.
- Operative is instructed how to use the tool safely via a tool box talk or direct instruction.
- Ensure that lighting is sufficient in working area.

Additional procedure for Scrapers: -

- Ensure that the tool and clamp screws are in good order.
- Ensure that the screwdriver is the correct size for the screws.
- Ensure that the scraper is on a solid surface to prevent slips.
- Ensure the blade clamp is suitably fastened to prevent blade slipping during operation.

Undertake controlled removal of textured coating

- Once the containment controls have been constructed (as indicated in the plan of work) and the
 operatives have donned PPE and RPE they will enter the respirator zone.
- Prior to removing the Textured Coating, any items attached to the ceiling will be un-screwed and disposed of.
- Operatives are to use penetrating gels where necessary to ease the removal of the textured coating. The penetrating gel will be applied by brush and then left to penetrate for at least 30 minutes.
- As the treated textured coating is removed, it shall be placed directly into red asbestos sacks and, once sufficiently filled, sealed at the neck prior to disposal.

Undertake controlled removal of Floor Tiles and adhesive

- All windows will be closed and taped up to prevent dust egress.
- Once the exclusion zone has been constructed and the operatives have donned PPE and RPE they will enter the area and spray the tiles with a dilute solution of fibre suppressant and water to contain general dust before removal commences.
- Thermoplastic floor tiles are set in adhesive and may be removed by using a long-handled mutt Scraper
- Once all tiles are removed a hand held scabbler unit attached to an 'H' type vacuum can be used to remove the bitumen adhesive.
- In some circumstances remaining adhesive in corners inaccessible to the scabbler will need to be removed using bladed scrapers

Conduct Fine Clean

As per Safe working Procedures section 14.12

Waste Remov

All fine clean waste is to be placed into red UN approved waste sacks. The red sacks will then be
placed into clear UN approved waste sacks in the middle stage of the bag lock and removed from the
enclosure as described in Safe Working Procedures section 18.2



Enclosure Reference: - Enclosure 3 Page 1 of 2

Sequence of Work:

- Build Enclosure
- Undertake controlled removal
- Conduct fine clean
- Supervisor visual inspection
- Analyst invited for visual inspection and air test
- De sheet enclosure
- Analyst to complete 4th stage
- Analyst to issue certificate for reoccupation

<u>Air Movement Calculation: -</u> NPU Requirement

5M Length x 1.5M Width x 5M Height = 37.5M³ 37.5M³ + 6M³ Air lock = 43.5M³ 43.5M³ x 10 (no.air changes) = 435CMH 1 x 2300 Negative pressure units required

Air Management

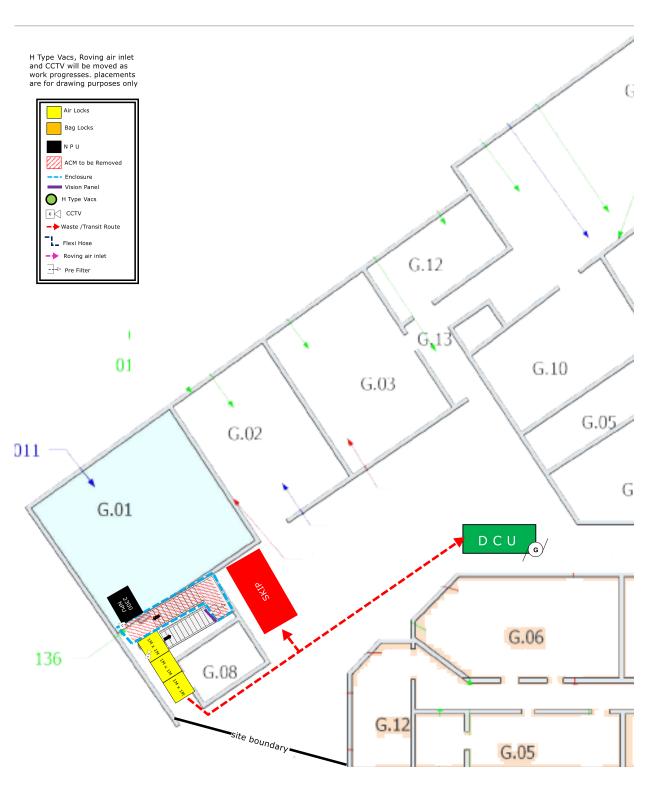
Total required = 2,300CMH + 1,500CMH 3 stage air lock + 442CMH for 1 x 5200 NPU pre filter Total air in = 1,942 CMH

| Name Signature | |
|----------------|--|
| · taille | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Site layout and Enclosure Sketch:

Panther House - Enclosure 3 Drawing not to Scale

Ground level



Scope of Work: -

- Fully controlled Removal of Textured coating to ceiling of Ground floor West Wing Stairwell G.09 (Enclosure 3).
- The DCU cannot be connected to the enclosure as this would block the main site entrance.







Page 2 of 2

Enclosure Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this enclosure:

- Disease from vermin
- Hand Cutting Timber for Enclosure construction
- General Manual Handling
- Fire
- Hand Tool Use
- Erection of Asbestos Enclosures
- Noise and noise nuisance
- Transiting to and from a live asbestos enclosure
- Removal of various ACMs (Textured Coating)
- Use of low level access equipment (hop ups)
- Use of mobile tower at Panther House
- Use of bladed scraper at Panther House
- COSSH Wetting Agent for ACM
- COSHH Smoke Testing of Enclosure
- COSHH Expanding Foam
- COSHH Spraying Adhesive
- COSHH General Dust
- COSHH X-Tex

Enclosure Construction: -

- As per safe working procedures 14.2-14.5
- The enclosure will be constructed using a combination of the fabric of the building 1000 gauge polythene, timber, staples, self-adhesive cloth tape, silver foil tape, spray adhesive and corex.
- The enclosure will be fitted with a three stage air lock system. These will be made of interlocking chambers each measuring 1000mm x 1000mm x 2000mm. these will be constructed using metal speed frames, 1000 gauge polythene, self-adhesive cloth tape and spray adhesive.
- Due to space a restrictions a bag lock system will not be used.
- 1 x 2300 NPU will be fitted to the enclosure as per Safe Working procedures section 14.5. The NPUs will vent internally so a respirator zone will be set up around the rear of the NPU as per Sage Working Procedures section 23.
- The enclosure will be supervised using a combination of vision panels and CCTV.
- 1 x 5200 NPU pre filter will be attached to the enclosure to improve air flow as per Safe Working Procedures section 14.8

No. Reason Date A1 A2 A3 A4 A4 A4

Removal Methods: -

 Note that all ACM suppression for this enclosure will follow as per the table outlined on page 13

Bladed Hand Tools

When changing or using bladed hand tools, e.g. Stanley knives, Yankee Scrapers, the following procedures should be employed:

General procedure: -

- Ensure that the tool is inspected before use and is correct for the job.
- Ensure the user wears appropriate cut resistant gloves.
- Ensure the blades are protected before changing.
- Operative is instructed how to use the tool safely via a tool box talk or direct instruction.
- Ensure that lighting is sufficient in working area.

Additional procedure for Scrapers: -

- Ensure that the tool and clamp screws are in good order.
- Ensure that the screwdriver is the correct size for the screws.
- Ensure that the scraper is on a solid surface to prevent slips.
- Ensure the blade clamp is suitably fastened to prevent blade slipping during operation.

Undertake controlled removal

- Once the containment controls have been constructed (as indicated in the plan of work) and the operatives have donned PPE and RPE they will enter the respirator zone.
- Prior to removing the Textured Coating, any items attached to the ceiling will be unscrewed and disposed of.
- Operatives are to use penetrating gels where necessary to ease the removal of the textured coating. The penetrating gel will be applied by brush and then left to penetrate for at least 30 minutes.
- As the treated textured coating is removed, it shall be placed directly into red asbestos sacks and, once sufficiently filled, sealed at the neck prior to disposal.

Conduct Fine Clean

As per Safe working Procedures section 14.12

Waste Removal

All fine clean waste is to be placed into red UN approved waste sacks. The red sacks will
then be placed into clear UN approved waste sacks in the middle stage of the bag lock
and removed from the enclosure as described in Safe Working Procedures section 18.2

Waste Disposal

Waste removal for this enclosure will follow as outline on page 11

Transit route Details

Transit route details for this enclosure will follow as per page 12

Expected Exposure:

| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) |
|---------------------|-------------------------|----------------------|
| Pre clean | <5 f/ml | <0.1 f/ml |
| Enclosure erection | <5 f/ml | <0.01 f/ml |
| Asbestos removal | <5 f/ml | <0.05 f/ml |
| Waste removal | <5 f/ml | <0.1 f/ml |
| Enclosure dismantle | <5 f/ml | <0.01 f/ml |

PPE / RPE Arrangeemnts

| Task/ activity | Respirator | Coverall |
|--|--------------------------|--------------------|
| Pre clean | Half face Orinasal | Blue Cat 3 type 5 |
| Enclosure Erection | Half face Orinasal | Blue Cat 3 type 5 |
| Asbestos Removal | Full face power assisted | Red Cat 3 type 5 |
| Supervisor Visual Inspection (Enclosure) | Full Face Power Assisted | Red Cat 3 type 5 |
| NPU exclusion zone (internal venting) | Half face Orinasal | Blue Cat 3 type 5 |
| Transit to DCU | Full Face Power Assisted | White Cat 3 type 5 |
| Waste Removal | Half face Orinasal | Blue Cat 3 type 5 |
| Enclosure Dismantle | Half face Orinasal | Blue Cat 3 type 5 |



Enclosure Reference: - Enclosure 4 Page 1 of 2

Sequence of Work:

- Build Enclosure
- Undertake controlled removal
- Conduct fine clean
- Supervisor visual inspection
- Analyst invited for visual inspection and air test

Site layout and Enclosure Sketch:

- De sheet enclosure
- Analyst to complete 4th stage
- Analyst to issue certificate for reoccupation

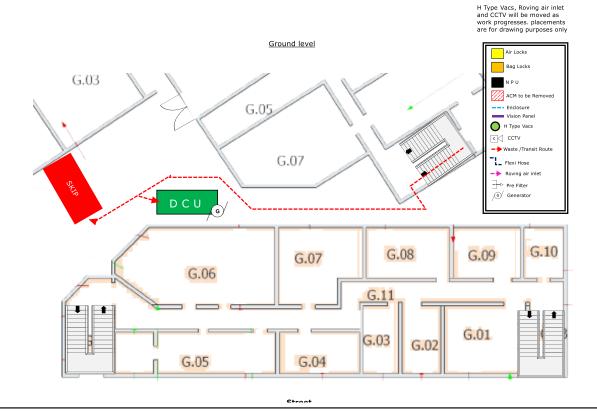
<u>Air Movement Calculation: -</u> NPU Requirement

8M Length x 8M Width x 3M Height = 192M³ 192M³ + 6M³ Air lock = 198M³ 198M³ x 10 (no.air changes) = 1,980CMH 2 x 2300 Negative pressure units required

Air Management

Total required = 4,600CMH + 1,500CMH 3 stage air lock + 2,000CMH for 1 x 5200 NPU roving air inlet tubes +442CMH for 1 x 5200 NPU prefilter Total air in = 3,942 CMH

| Enclosure Brid | efing: - <u>Date:</u> |
|-----------------------|-----------------------|
| Name | Signature |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |



Scope of Work: -

- Fully controlled Removal of Textured coating to ceilings and columns within 2.03, 2.25, 2.02 and 2.05 t the 2nd floor West Wing (Enclosure 4)
- The DCU cannot be connected to the enclosure due to the position of the works within the building.









Page 2 of 2

Enclosure Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this enclosure:

- Disease from vermin
- Hand Cutting Timber for Enclosure construction
- General Manual Handling
- Fire
- Hand Tool Use
- Erection of Asbestos Enclosures
- Noise and noise nuisance
- Transiting to and from a live asbestos enclosure
- Removal of various ACMs (Textured Coating)
- Use of low level access equpiemnt (hop ups)
- Use of mobile tower at Panther House
- Use of bladed scraper at Panther House
- COSSH Wetting Agent for ACM
- COSHH Smoke Testing of Enclosure
- COSHH Expanding Foam
- COSHH Spraying Adhesive
- COSHH General Dust
- COSHH X-Tex

Enclosure Construction: -

- As per safe working procedures 14.2-14.5
- The enclosure will be constructed using a combination of the fabric of the building 1000 gauge polythene, timber, staples, self-adhesive cloth tape, silver foil tape, spray adhesive and corex.
- The enclosure will be fitted with a three stage air lock system. These will be made of interlocking chambers each measuring 1000mm x 1000mm x 2000mm. these will be constructed using metal speed frames, 1000 gauge polythene, self-adhesive cloth tape and spray adhesive.
- Due to space restrictions a bag lock system will not be used.
- 2 x 2300 NPUs will be fitted to the enclosure as per Safe Working procedures section 14.5. The NPUs will be vented internally due to no external access. A small respirator zone will be set up around the rear of the NPU as per Safe Working procedures section 23.
- The enclosure will be supervised using a combination of vision panels and CCTV.
- 1 x 5200 NPU roving air inlets tubes and 1 x 5200 NPU pre filter will be attached to the enclosure to improve air flow as per Safe Working Procedures section 14.8

| No. | Reason | Date |
|-----|--------|------|
| A1 | | |
| | | |
| A2 | | |
| | | |
| A3 | | |
| | | |
| A4 | | |
| | | |

Removal Methods: -

Amendments

Note that all ACM suppression for this enclosure will follow as per the table outlined on page 13

Bladed Hand Tools

When changing or using bladed hand tools, e.g. Stanley knives, Yankee Scrapers, the following procedures should be employed:

General procedure: -

- Ensure that the tool is inspected before use and is correct for the job.
- Ensure the user wears appropriate cut resistant gloves.
- Ensure the blades are protected before changing.
- Operative is instructed how to use the tool safely via a tool box talk or direct instruction.
- Ensure that lighting is sufficient in working area.

Additional procedure for Scrapers: -

- Ensure that the tool and clamp screws are in good order.
- Ensure that the screwdriver is the correct size for the screws.
- Ensure that the scraper is on a solid surface to prevent slips.
- Ensure the blade clamp is suitably fastened to prevent blade slipping during operation.

Undertake controlled removal

- Once the containment controls have been constructed (as indicated in the plan of work) and the operatives have donned PPE and RPE they will enter the respirator
- Prior to removing the Textured Coating, any items attached to the ceiling will be unscrewed and disposed of.
- Operatives are to use penetrating gels where necessary to ease the removal of the textured coating. The penetrating gel will be applied by brush and then left to penetrate for at least 30 minutes.
- As the treated textured coating is removed, it shall be placed directly into red asbestos sacks and, once sufficiently filled, sealed at the neck prior to disposal.

Conduct Fine Clean

• As per Safe working Procedures section 14.12

Waste Removal

 All fine clean waste is to be placed into red UN approved waste sacks. The red sacks will then be placed into clear UN approved waste sacks in the middle stage of the bag lock and removed from the enclosure as described in Safe Working Procedures section 18.2

Waste Disposal

Waste removal for this enclosure will follow as outline on page 11

Transit route Details

Transit route details for this enclosure will follow as per page 12

Expected Exposure:

| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) |
|---------------------|-------------------------|----------------------|
| Pre clean | <5 f/ml | <0.1 f/ml |
| Enclosure erection | <5 f/ml | <0.01 f/ml |
| Asbestos removal | <5 f/ml | <0.05 f/ml |
| Waste removal | <5 f/ml | <0.1 f/ml |
| Enclosure dismantle | <5 f/ml | <0.01 f/ml |

PPE / RPE Arrangeemnts

| Task/ activity | Respirator | Coverall |
|--|--------------------------|--------------------|
| Pre clean | Half face Orinasal | Blue Cat 3 type 5 |
| Enclosure Erection | Half face Orinasal | Blue Cat 3 type 5 |
| Asbestos Removal | Full face power assisted | Red Cat 3 type 5 |
| Supervisor Visual Inspection (Enclosure) | Full Face Power Assisted | Red Cat 3 type 5 |
| NPU exclusion zone (internal venting) | Half face Orinasal | Blue Cat 3 type 5 |
| Transit to DCU | Full Face Power Assisted | White Cat 3 type 5 |
| Waste Removal | Half face Orinasal | Blue Cat 3 type 5 |
| Enclosure Dismantle | Half face Orinasal | Blue Cat 3 type 5 |



Page 1 of 1 <u>Area Reference: -</u> Panther House Roof level

Sequence of Work:

- Conduct pre clean
- Set up respirator Zone
- Undertake controlled removal
- Supervisor visual inspection
- Remove Respirator Zone

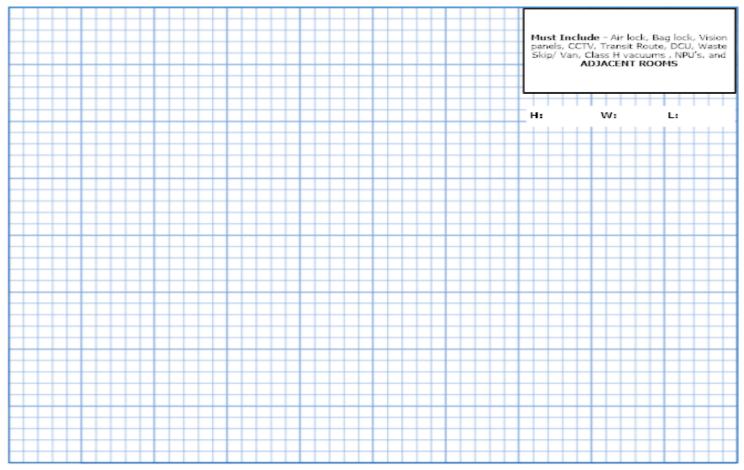
Area Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this Area:

- Removal of non-licensed materials
- General Manual Handling
- Fire
- Hand Tool Use
- Working on a demolition site
- COSSH Wetting Agent for ACM
- COSHH Spraying Adhesive
- COSHH General Dust

Site layout Sketch:



Expected Exposure:

| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) |
|--------------------------|-------------------------|----------------------|
| Pre clean | <0.1 f/ml | <0.03 f/ml |
| Respirator zone erection | <0.1 f/ml | <0.01 f/ml |
| Asbestos removal | <1 f/ml | <0.1 f/ml |
| Waste removal | <0.1 f/ml | <0.1 f/ml |

PPE / RPE Arrangeemnts

| Task/ activity | Respirator | Coverall |
|--|--------------------|-------------------|
| Pre clean | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Erection | Half face Orinasal | Blue Cat 3 type 5 |
| Asbestos Removal (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Supervisor Visual Inspection (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Waste Removal | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Dismantle | Half face Orinasal | Blue Cat 3 type 5 |
| · | | |

Amendments

Name

Task Sheet Briefing: -

| No. | Reason | Date |
|-----|--------|------|
| A1 | | |
| | | |
| A2 | | |
| | | |

Signature

Photos:



Scope of Work: -

- Controlled removal of Loose Cement panels to roof level and roof level tank room to West Wing
- The roof is fitted with edge protection.
- A permit for roof access must be obtained from the site manager prior to entering the flat roof area.

Respirator Zone Construction: -

- As per safe working procedures 23
- The exclusion zone will be constructed using barrier tape and relevant signage alluding the asbestos removal works being carried out
- At the edge of the exclusion zone a small section of polythene will be taped to the floor, this area will be utilised for the removal of overalls and for masks and boots to be washed

Method of Works: -

Suppression of ACM

 Note that all ACM suppression for this area will follow as per the table outlined on page 13

Undertake controlled removal – loose cement sheets and debris

- The cement will be sprayed with surfactant.
- The cement will then be picked up by hand and placed into UN approved waste sacks

Conduct Fine Clean

As per Safe working Procedures section 14.12

Supervisor Visual inspection

• As per Safe Working procedures section 19

Remove Respirator Zone and clear area



Page 1 of 1 Area Reference: WCs throughout building

Sequence of Work:

- Conduct pre clean
- Set up respirator Zone
- Undertake controlled removal
- Supervisor visual inspection
- Remove Respirator Zone

Area Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this Area:

- Removal of non-licensed materials
- General Manual Handling
- Fire
- Hand Tool Use
- Working on a demolition site
- COSSH Wetting Agent for ACM
- COSHH Spraying Adhesive
- COSHH General Dust
- Use of mobile towers
- Use of low level access equipment

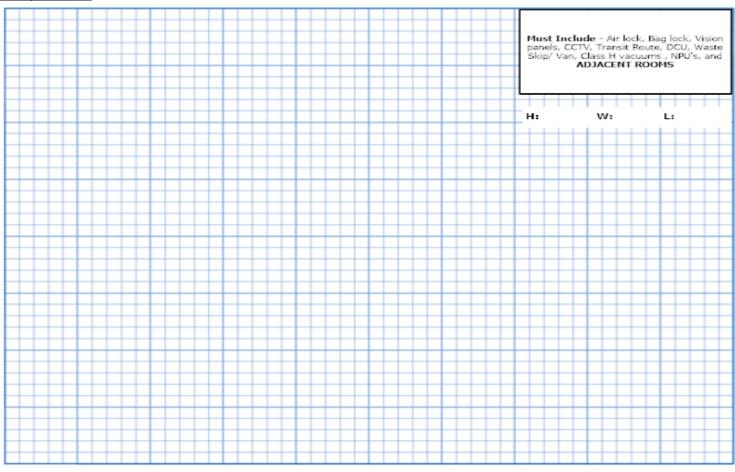
Task Sheet Briefing: -

| Name | Signature |
|------|-----------|
| | |
| | |
| | |
| | |
| | |
| | |

<u>Amendments</u>

| No. | Reason | Date |
|-----|--------|------|
| A1 | | |
| | | |
| A2 | | |
| | | |

Site layout Sketch:



Expected Exposure:

| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) |
|--------------------------|-------------------------|----------------------|
| Pre clean | <1 f/ml | <0.1 f/ml |
| Respirator zone erection | <0.1 f/ml | <0.01 f/ml |
| Asbestos removal | <1 f/ml | <0.1 f/ml |
| Waste removal | <1 f/ml | <0.1 f/ml |

PPE / RPE Arrangeemnts

| Task/ activity | Respirator | Coverall |
|--|--------------------|-------------------|
| Pre clean | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Erection | Half face Orinasal | Blue Cat 3 type 5 |
| Asbestos Removal (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Supervisor Visual Inspection (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Waste Removal | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Dismantle | Half face Orinasal | Blue Cat 3 type 5 |

Photos:



Scope of Work: -

- Controlled removal of Cisterns and toilet Seats, flues and cement board to WCs throughout the building.
- These items are located within all WCs on floors 1st, 2nd and 3rd

Respirator Zone Construction: -

- As per safe working procedures 23
- The exclusion zone will be constructed using barrier tape and relevant signage alluding the asbestos removal works being carried out
- At the edge of the exclusion zone a small section of polythene will be taped to the floor, this area will be utilised for the removal of overalls and for masks and boots to be washed

Method of Works: -

Suppression of ACM

 Note that all ACM suppression for this area will follow as per the table outlined on page 13

Undertake controlled removal - Cisterns

 Cisterns and Toilet Seats will be sprayed with surfactant prior to unscrewing and placed into UN approved waste sacks

Undertake Controlled removal - Cement flue

- Once the respirator zone is in place the operatives will place a drop sheet below the cement flue and then spray any joint areas of the flue pipe with fibre suppressant. Once sprayed the operatives will release any brackets holding the pipe using hand tools and proceed to break the seal at the joints. Once free the pipe will be lifted away before being double bagged.
- Flue pipes will either be placed into U.N. approved waste bags or for larger pipes they shall be double wrapped in 1000 gauge polythene and sealed at the seams using selfadhesive tape. An asbestos warning label is to be applied to the outside of the wrap for identification purposes.

Undertake controlled removal - cement panels

- Painted panels will not absorb surfactant and will only normally require spraying if covered in general dust. The supervisor should assess this prior to commencing removal
- The cement panel will either be unscrewed from its fixings under shadow vacuuming or, in the case of panels nailed into place gently prised away from the supporting framework.
- panels will either be placed into U.N. approved waste bags or for larger panels they shall be double wrapped in 1000 gauge polythene and sealed at the seams using selfadhesive tape. An asbestos warning label is to be adhered to the outer layer of polythene for identification.

Conduct Fine Clean

As per Safe working Procedures section 14.12

Supervisor Visual inspection

As per Safe Working procedures section 19

Remove Respirator Zone and clear area



Page 1 of 1 Area Reference: - 3rd floor floor Tiles and adhesive

Sequence of Work:

- Conduct pre clean
- Set up respirator Zone
- Undertake controlled removal
- Supervisor visual inspection
- Remove Respirator Zone

Area Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this Area:

- Use of handheld powered tools
- Noise and noise nuisance
- Hand arm vibration
- Use of bladed scrapers
- Removal of non-licensed materials
- General Manual Handling
- Fire

Task Sheet Briefing: -

Reason

Name

<u>Amendments</u>

No.

- Hand Tool Use
- Working on a demolition site
- COSSH Wetting Agent for ACM
- COSHH Spraying Adhesive

Signature

COSHH - General Dust

| 106 | |
|---------------------------|------------|
| 107 | |
| 3.07 | |
| 306 | Areas |
| 104 121 3.09 West Wing | |
| 3.05 | Requiring |
| | floor tile |
| 102 | and |
| 3.05 | adhesive |
| 100 | removal |
| 3.03 | |
| 3.15 | |
| 3.12 | |
| 110 | _ |
| 3.24 3.25 | |
| 3.23 | |
| 3.01 3.18 | |
| 123 — 124 | |
| 120 | |
| 110 | |
| 3.21 | |
| | |
| 118 3.20 Block A Roof | |
| Expected Exposure: | |

| Expected Exposure: | | | |
|--------------------------|-------------------------|----------------------|--|
| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) | |
| Pre clean | <0.1 f/ml | <0.1 f/ml | |
| Respirator zone erection | <0.1 f/ml | <0.01 f/ml | |
| Asbestos removal | <1 f/ml | <0.1 f/ml | |
| Waste removal | <0.1 f/ml | <0.1 f/ml | |

PPE / RPE Arrangeemnts

Site layout Sketch:

| Respirator | Coverall |
|--------------------|--|
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| | Half face Orinasal |



Scope of Work: -

Controlled removal of Floor tiles and bitumen to 3rd floor west wings rooms 3.22, 3.05, 3.11, 3.12, 3.13, 3.01, 3.02, 3.17, 3.16, 3.15, 3.14, 3.07, 3.04, 3.03, 3.18 and communal landing.

Respirator Zone Construction: -

- As per safe working procedures 23
- The exclusion zone will be constructed using barrier tape and relevant signage alluding the asbestos removal works being carried out.
- At the edge of the exclusion zone a small section of polythene will be taped to the floor, this area will be utilised for the removal of overalls and for masks and boots to be washed

Method of Works: -

Suppression of ACM

 Note that all ACM suppression for this area will follow as per the table outlined on page 13

Undertake controlled removal of Floor Tiles and adhesive

- All windows will be closed and taped up to prevent dust egress.
- Once the exclusion zone has been constructed and the operatives have donned PPE and RPE they will enter the area and spray the tiles with a dilute solution of fibre suppressant and water to contain general dust before removal commences.
- Thermoplastic floor tiles are set in adhesive and may be removed by using a long-handled mutt Scraper
- Once all tiles are removed a hand held scabbler unit attached to an 'H' type vacuum can be used to remove the bitumen adhesive.
- In some circumstances remaining adhesive in corners inaccessible to the scabbler will need to be removed using bladed scrapers

Conduct Fine Clean

As per Safe working Procedures section 14.12

Supervisor Visual inspection

• As per Safe Working procedures section 19

Remove Respirator Zone and clear site

A2

The Enabling Specialists: Safety 24:7

Date



Page 1 of 1 <u>Area Reference: -</u> 2nd floor floor tiles and adhesive removal

Sequence of Work:

- Conduct pre clean
- Set up respirator Zone
- Undertake controlled removal
- Supervisor visual inspection
- Remove Respirator Zone

Area Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this Area:

- Removal of non-licensed materials
- General Manual Handling
- Fire

Task Sheet Briefing: -

Reason

Name

<u>Amendments</u>

No.

Α1

A2

- Hand Tool Use
- Working on a demolition site
- COSSH Wetting Agent for ACM
- COSHH Spraying Adhesive
- COSHH General Dust
- Use of handheld powered tools
- Noise and noise nuisance
- Hand arm vibration
- Use of bladed scrapers

Signature

| 1 | Site layout Sketch: | |
|---|-------------------------|------------|
| | 062 | |
| | 003 | |
| ٦ | 061 064 | |
| | 059 2.11 2.12 | |
| | 060 | Areas |
| | 132 2.10 066 | Requiring |
| | 050 | floor tile |
| | 057 2.09 2.13 086 | and |
| | 0.70 | adhesive |
| 1 | 054 056 | |
| | 053 2.20 2.14 080 | removal |
| | 049 2.07 | |
| | 082 | |
| | 2.00 | 202 |
| | 2.04 | 083 |
| | 046 2.05 2.22 | 084 |
| | 2 20 | A |
| | 048 2.02 2.28 2.23 2.30 | |
| | 2.03 | |
| | 2.01 | - 134 |
| | 092 085 | |
| | 2.25 094 091 157 133 | 33 |
| | 31 093 | 2.02 |
| | 130 | |
| | 130 2.27 096 | |
| - | Expected Expectation | |
| 1 | | |

| Expected Exposure: | | | |
|--------------------------|-------------------------|----------------------|--|
| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) | |
| Pre clean | <0.1 f/ml | <0.1 f/ml | |
| Respirator zone erection | <0.1 f/ml | <0.01 f/ml | |
| Asbestos removal | <1 f/ml | <0.1 f/ml | |
| Waste removal | <0.1 f/ml | <0.1 f/ml | |

PPE / RPE Arrangeemnts

Site layout Sketch:

| Respirator | Coverall |
|--------------------|--|
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| | Half face Orinasal |

Photos:

Scope of Work: -

• Controlled removal of Floor tiles and bitumen to 2nd floor rooms 2.17, 2.16, 2.19, 2.11, 2.10, 2.09, 2.08, 2.07, 2.06, 2.05, 2.04, 20.2, 2.01, 2.25, 2.24, 2.23 and 2.21.

Respirator Zone Construction: -

- As per safe working procedures 23
- The exclusion zone will be constructed using barrier tape and relevant signage alluding the asbestos removal works being carried out.
- At the edge of the exclusion zone a small section of polythene will be taped to the floor, this area will be utilised for the removal of overalls and for masks and boots to be washed

Method of Works: -

Suppression of ACM

 Note that all ACM suppression for this area will follow as per the table outlined on page 13

Undertake controlled removal of Floor Tiles and adhesive

- All windows will be closed and taped up to prevent dust egress.
- Once the exclusion zone has been constructed and the operatives have donned PPE and RPE they will enter the area and spray the tiles with a dilute solution of fibre suppressant and water to contain general dust before removal commences.
- Thermoplastic floor tiles are set in adhesive and may be removed by using a long-handled mutt Scraper
- Once all tiles are removed a hand held scabbler unit attached to an 'H' type vacuum can be used to remove the bitumen adhesive.
- In some circumstances remaining adhesive in corners inaccessible to the scabbler will need to be removed using bladed scrapers

Conduct Fine Clean

• As per Safe working Procedures section 14.12

Supervisor Visual inspection

As per Safe Working procedures section 19

Remove Respirator Zone and clear site

Date



Page 1 of 1 Area Reference: Removal of sink pads

Sequence of Work:

- Conduct pre clean
- Set up respirator Zone
- Undertake controlled removal
- Supervisor visual inspection
- Remove Respirator Zone

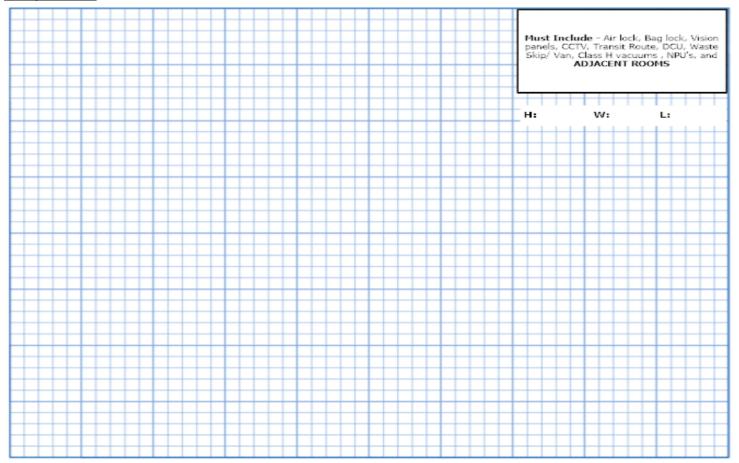
Area Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this Area:

- Removal of non-licensed materials
- General Manual Handling
- Fire
- Hand Tool Use
- Working on a demolition site
- COSSH Wetting Agent for ACM
- COSHH Spraying Adhesive
- COSHH General Dust

Site layout Sketch:



| Expected Exposure: | | | |
|--------------------------|-------------------------|----------------------|--|
| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) | |
| Pre clean | <0.1 f/ml | <0.1 f/ml | |
| Respirator zone erection | <0.1 f/ml | <0.01 f/ml | |
| Asbestos removal | <1 f/ml | <0.1 f/ml | |
| Waste removal | <0.1 f/ml | <0.1 f/ml | |

PPE / RPE Arrangeemnts

| Respirator | Coverall |
|--------------------|--|
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| | Half face Orinasal |

Amendments

Name

Task Sheet Briefing: -

| No. | Reason | Date |
|-----|--------|------|
| A1 | | |
| | | |
| A2 | | |
| | | |

Signature

Photos:



Scope of Work: -

 Controlled removal of Sink pads to Ground floor west wing G.02 and G.03 and 1st floor 1.14.

Respirator Zone Construction: -

- As per safe working procedures 23
- The exclusion zone will be constructed using barrier tape and relevant signage alluding the asbestos removal works being carried out
- At the edge of the exclusion zone a small section of polythene will be taped to the floor, this area will be utilised for the removal of overalls and for masks and boots to be washed

Method of Works: -

Suppression of ACM

 Note that all ACM suppression for this area will follow as per the table outlined on page 13

Undertake controlled removal of sinks with bitumen sink pad

- The entire sink unit will be double wrapped in 1000 gauge polythene with an asbestos warning label to the outside of the wrap for identification purposes.
- The sink unit will then be disposed of as contaminated waste.

Conduct Fine Clean

• As per Safe working Procedures section 14.12

Supervisor Visual inspection

• As per Safe Working procedures section 19

Remove Respirator Zone and clear site



Page 1 of 1 Area Reference: -Cement flue to Basement B.03

Sequence of Work:

- Conduct pre clean
- Set up respirator Zone
- Undertake controlled removal
- Supervisor visual inspection
- Remove Respirator Zone

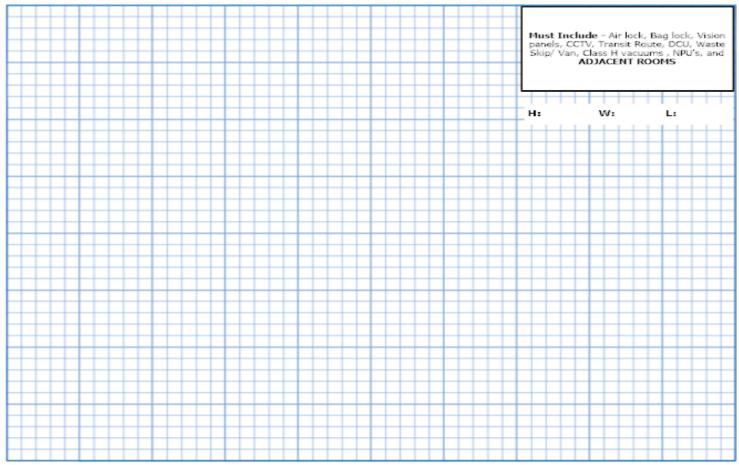
Area Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this Area:

- Removal of non-licensed materials
- General Manual Handling
- Fire
- Hand Tool Use
- Use of low level access equipment
- Working on a demolition site
- COSSH Wetting Agent for ACM
- COSHH Spraying Adhesive
- COSHH General Dust

Site layout Sketch:



Expected Exposure:

| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) |
|--------------------------|-------------------------|----------------------|
| Pre clean | <0.1 f/ml | <0.1 f/ml |
| Respirator zone erection | <0.1 f/ml | <0.01 f/ml |
| Asbestos removal | <1 f/ml | <0.1 f/ml |
| Waste removal | <0.1 f/ml | <0.1 f/ml |

PPE / RPE Arrangeemnts

| Task/ activity | Respirator | Coverall |
|--|--------------------|-------------------|
| Pre clean | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Erection | Half face Orinasal | Blue Cat 3 type 5 |
| Asbestos Removal (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Supervisor Visual Inspection (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Waste Removal | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Dismantle | Half face Orinasal | Blue Cat 3 type 5 |

Task Sheet Briefing: -

Name

Amendments

| No. | Reason | Date |
|-----|--------|------|
| A1 | | |
| | | |
| A2 | | |
| | | |

Signature

Photos:



Scope of Work: -

• Controlled removal of Cement flue to basement B.03.

Respirator Zone Construction: -

- As per safe working procedures 23
- The exclusion zone will be constructed using barrier tape and relevant signage alluding the asbestos removal works being
- At the edge of the exclusion zone a small section of polythene will be taped to the floor, this area will be utilised for the removal of overalls and for masks and boots to be washed

Method of Works: -

Suppression of ACM

 Note that all ACM suppression for this area will follow as per the table outlined on page 13

Undertake Controlled removal - Cement flue

- Once the respirator zone is in place the operatives will place a drop sheet below the cement flue and then spray any joint areas of the flue pipe with fibre suppressant. Once sprayed the operatives will release any brackets holding the pipe using hand tools and proceed to break the seal at the joints. Once free the pipe will be lifted away before being double
- Flue pipes will either be placed into U.N. approved waste bags or for larger pipes they shall be double wrapped in 1000 gauge polythene and sealed at the seams using selfadhesive tape. An asbestos warning label is to be applied to the outside of the wrap for identification purposes.

Conduct Fine Clean

As per Safe working Procedures section 14.12

Supervisor Visual inspection

• As per Safe Working procedures section 19

Remove Respirator Zone and clear site

The Enabling Specialists: Safety 24:7

Method statement - Controlled Document



Page 1 of 1 Area Reference: -

Sequence of Work:

- Conduct pre clean
- Set up respirator Zone
- Undertake controlled removal
- Supervisor visual inspection
- Remove Respirator Zone

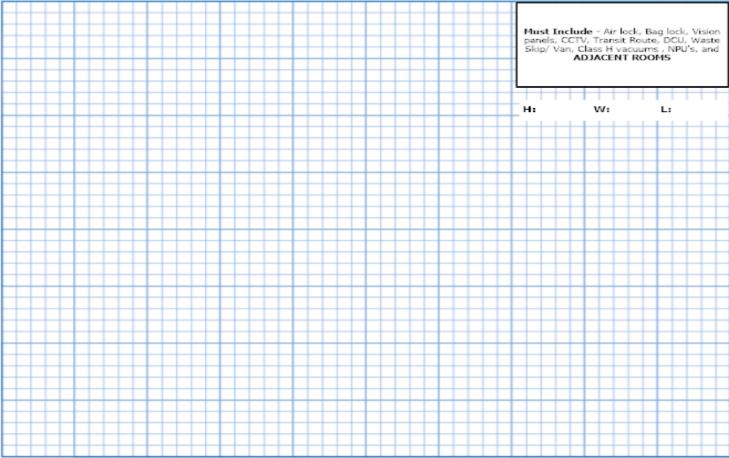
Area Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this Area:

- Removal of non licensed materials
- General Manual Handling
- Fire
- Hand Tool Use
- Use of low level access equipment
- Working on a demolition site
- COSSH Wetting Agent for ACM
- COSHH Spraying Adhesive
- COSHH General Dust

Site layout Sketch:



Expected Exposure:

| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) |
|--------------------------|-------------------------|----------------------|
| Pre clean | <0.1 f/ml | <0.1 f/ml |
| Respirator zone erection | <0.1 f/ml | <0.01 f/ml |
| Asbestos removal | <1 f/ml | <0.1 f/ml |
| Waste removal | <0.1 f/ml | <0.1 f/ml |

PPE / RPE Arrangeemnts

| Task/ activity | Respirator | Coverall |
|--|--------------------|-------------------|
| Pre clean | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Erection | Half face Orinasal | Blue Cat 3 type 5 |
| Asbestos Removal (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Supervisor Visual Inspection (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Waste Removal | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Dismantle | Half face Orinasal | Blue Cat 3 type 5 |

<u>Amendments</u>

Name

Task Sheet Briefing: -

| No. | Reason | Date |
|-----|--------|------|
| A1 | | |
| | | |
| A2 | | |
| | | |

Signature

Photos:



Scope of Work: -

• Controlled removal of electrical boxes throughout the building.

Respirator Zone Construction: -

- As per safe working procedures 23
- The exclusion zone will be constructed using barrier tape and relevant signage alluding the asbestos removal works being
- At the edge of the exclusion zone a small section of polythene will be taped to the floor, this area will be utilised for the removal of overalls and for masks and boots to be washed

Method of Works: -

Suppression of ACM

• Note that all ACM suppression for this area will follow as per the table outlined on page 13

Undertake controlled removal - Electrical boxes

Electrical boxes will be unscrewed from the wall and placed directly into UN approved waste sacks.

Conduct Fine Clean

As per Safe working Procedures section 14.12

Supervisor Visual inspection

As per Safe Working procedures section 19

Remove Respirator Zone and clear site



Page 1 of 1 Area Reference: -

156-158 Grays Inn Road

Sequence of Work:

- Conduct pre clean
- Set up respirator Zone
- Undertake controlled removal
- Supervisor visual inspection
- Remove Respirator Zone

Area Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this Area:

- Removal of non licensed materials
- General Manual Handling
- Fire
- Hand Tool Use
- Use of low level access equipment
- Working on a demolition site
- Use of handheld powered tool
- Noise and noise nuisance
- Hand arm vibration
- COSSH Wetting Agent for ACM
- COSHH Spraying Adhesive
- COSHH General Dust

Task Sheet Briefing: -

| Name | Signature |
|------|-----------|
| | |
| | |
| | |
| | |
| | |

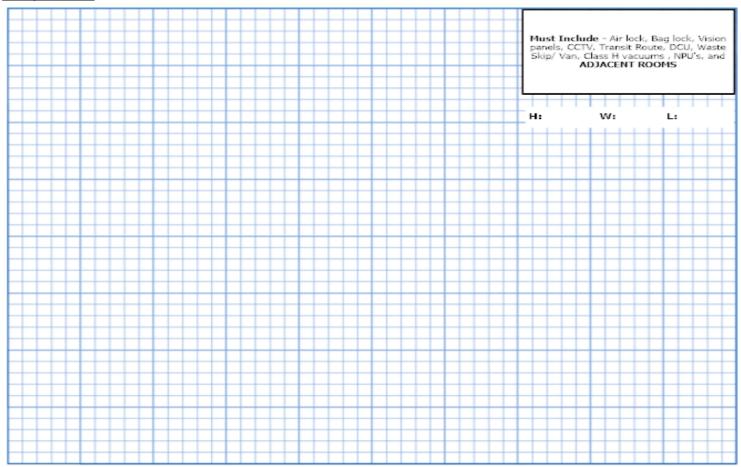
Amendments

| No. | Reason | Date |
|-----|--------|------|
| A1 | | |
| | | |
| A2 | | |
| | | |

Respirator Zone Construction: -

- As per safe working procedures 23
- The exclusion zone will be constructed using barrier tape and relevant signage alluding the asbestos removal works being carried out
- At the edge of the exclusion zone a small section of polythene will be taped to the floor, this area will be utilised for the removal of overalls and for masks and boots to be washed

Site layout Sketch:



Expected Exposure:

| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) |
|--|-------------------------|----------------------|
| Pre clean | <0.1 f/ml | <0.1 f/ml |
| Respirator zone erection | <0.1 f/ml | <0.01 f/ml |
| Asbestos removal – floor tiles and bitumen | <1 f/ml | <0.1 f/ml |
| Asbestos removal – cement | <1 f/ml | <0.1 f/ml |
| Asbestos removal – textiles | <1 f/ml | <0.1 f/ml |
| Waste removal | <0.1 f/ml | <0.1 f/ml |

PPE / RPE Arrangeemnts

| Task/ activity | Respirator | Coverall |
|--|--------------------|-------------------|
| Pre clean | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Erection | Half face Orinasal | Blue Cat 3 type 5 |
| Asbestos Removal (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Supervisor Visual Inspection (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Waste Removal | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Dismantle | Half face Orinasal | Blue Cat 3 type 5 |

Photos:







Scope of Work: -

- Controlled removal of:
- Cement board lining to underside of staircase and under stair store to ground floor
- Floor tiles and bitumen to 1st floor lobby, kitchen and WC
- Cement Flue to external flat roof at 1st floor level and ground floor electric room
- o Electric boxes throughout building to all levels.

Method of Works: -

Suppression of ACM

 Note that all ACM suppression for this area will follow as per the table outlined on page 13

Undertake controlled removal - Electrical boxes

 Electrical boxes will be unscrewed from the wall and placed directly into UN approved waste sacks.

Undertake Controlled removal - Cement flue

- Once the respirator zone is in place the operatives will place a drop sheet below the cement flue and then spray any joint areas of the flue pipe with fibre suppressant. Once sprayed the operatives will release any brackets holding the pipe using hand tools and proceed to break the seal at the joints. Once free the pipe will be lifted away before being double bagged.
- Flue pipes will either be placed into U.N. approved waste bags or for larger pipes they shall be double wrapped in 1000 gauge polythene and sealed at the seams using self-adhesive tape. An asbestos warning label is to be applied to the outside of the wrap for identification purposes.

Undertake controlled removal of Floor Tiles and adhesive

- All windows will be closed and taped up to prevent dust egress.
- Once the exclusion zone has been constructed and the operatives have donned PPE and RPE they will enter the area and spray the tiles with a dilute solution of fibre suppressant and water to contain general dust before removal commences.
- Thermoplastic floor tiles are set in adhesive and may be removed by using a long-handled mutt Scraper
- Once all tiles are removed a hand held scabbler unit attached to an 'H' type vacuum can be used to remove the bitumen adhesive.
- In some circumstances remaining adhesive in corners inaccessible to the scabbler will need to be removed using bladed scrapers

Undertake controlled removal - cement panels

- Painted panels will not absorb surfactant and will only normally require spraying if covered in general dust. The supervisor should assess this prior to commencing removal
- The cement panel will either be unscrewed from its fixings under shadow vacuuming or, in the case of panels nailed into place gently prised away from the supporting framework.
- panels will either be placed into U.N. approved waste bags or for larger panels they shall be double wrapped in 1000 gauge polythene and sealed at the seams using self-adhesive tape. An asbestos warning label is to be adhered to the outer layer of polythene for identification.

Conduct Fine Clean

• As per Safe working Procedures section 14.12

Supervisor Visual inspection

As per Safe Working procedures section 19

Remove Respirator Zone and clear area



Page 1 of 1 Area Reference: 162 Grays Inn Road

Sequence of Work:

- Conduct pre clean
- Set up respirator Zone
- Undertake controlled removal
- Supervisor visual inspection
- Remove Respirator Zone

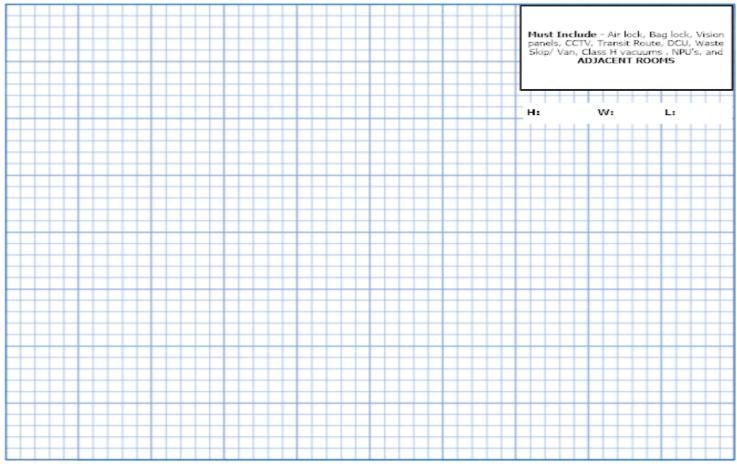
Area Specific Risk Assessments

Refer to pages 5-10

The following risks will be associated with this Area:

- Removal of non licensed materials
- General Manual Handling
- Fire
- Hand Tool Use
- Use of low level access equipment
- Working on a demolition site
- COSSH Wetting Agent for ACM
- COSHH Spraying Adhesive
- COSHH General Dust

Site layout Sketch:



Expected Exposure:

| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) | |
|--------------------------|-------------------------|----------------------|--|
| Pre clean | <0.1 f/ml | <0.1 f/ml | |
| Respirator zone erection | <0.1 f/ml | <0.01 f/ml | |
| Asbestos removal | <1 f/ml | <0.1 f/ml | |
| Waste removal | <0.1 f/ml | <0.1 f/ml | |

PPE / RPE Arrangeemnts

| Respirator | Coverall |
|--------------------|--|
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| Half face Orinasal | Blue Cat 3 type 5 |
| | Half face Orinasal |

Amendments

Name

Task Sheet Briefing: -

| No. | Reason | Date |
|-----|--------|------|
| A1 | | |
| | | |
| A2 | | |
| | | |

Signature

Photos:



Scope of Work: -

 Controlled removal of Loose Cement sheets to external lean to area

Respirator Zone Construction: -

- As per safe working procedures 23
- The exclusion zone will be constructed using barrier tape and relevant signage alluding the asbestos removal works being carried out
- At the edge of the exclusion zone a small section of polythene will be taped to the floor, this area will be utilised for the removal of overalls and for masks and boots to be washed

Method of Works: -

Suppression of ACM

 Note that all ACM suppression for this area will follow as per the table outlined on page 13

Undertake controlled removal – loose cement sheets and debris

- The cement will be sprayed with surfactant.
- The cement will then be picked up by hand and either placed into UN approved waste sacks or double wrapped in 1000 gauge polythene with an asbestos warning label to the outside for identification purposes.

Conduct Fine Clean

As per Safe working Procedures section 14.12

Supervisor Visual inspection

• As per Safe Working procedures section 19

Remove Respirator Zone and clear site



Page 1 of 1 <u>Area Reference: -</u> 160 Grays Inn Road

Sequence of Work:

- Conduct pre clean
- Set up respirator Zone
- Undertake controlled removal
- Supervisor visual inspection
- Remove Respirator Zone

Area Specific Risk Assessments

Refer to pages 5-10

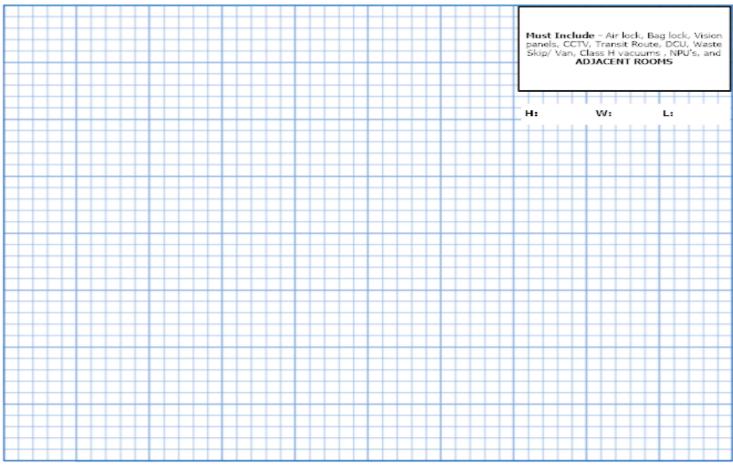
The following risks will be associated with this Area:

- Removal of non licensed materials
- General Manual Handling
- Fire
- Hand Tool Use
- Use of low level access equipment
- Working on a demolition site
- Use of handheld powered tool
- Noise and noise nuisance
- Hand arm vibration
- COSSH Wetting Agent for ACM
- COSHH Spraying Adhesive

Signature

COSHH – General Dust

Site layout Sketch:



Expected Exposure:

| Operation / Task | Without Controls (f/ml) | With Controls (f/ml) | |
|--------------------------|-------------------------|----------------------|--|
| Pre clean | <0.1 f/ml | <0.1 f/ml | |
| Respirator zone erection | <0.1 f/ml | <0.01 f/ml | |
| Asbestos removal | <1 f/ml | <0.1 f/ml | |
| Waste removal | <0.1 f/ml | <0.1 f/ml | |

PPE / RPE Arrangeemnts

| Task/ activity | Respirator | Coverall |
|--|--------------------|-------------------|
| Pre clean | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Erection | Half face Orinasal | Blue Cat 3 type 5 |
| Asbestos Removal (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Supervisor Visual Inspection (Respirator Zone) | Half face Orinasal | Blue Cat 3 type 5 |
| Waste Removal | Half face Orinasal | Blue Cat 3 type 5 |
| Respirator Zone Dismantle | Half face Orinasal | Blue Cat 3 type 5 |
| | | |

Amendments

Name

Task Sheet Briefing: -

| No. | Reason | Date |
|-----|--------|------|
| A1 | | |
| | | |
| A2 | | |
| | | |

Photos:



Scope of Work: -

· Controlled removal of floor tiles and adhesive to trade area

Respirator Zone Construction: -

- As per safe working procedures 23
- The exclusion zone will be constructed using barrier tape and relevant signage alluding the asbestos removal works being carried out
- At the edge of the exclusion zone a small section of polythene will be taped to the floor, this area will be utilised for the removal of overalls and for masks and boots to be washed

Method of Works: -

Suppression of ACM

 Note that all ACM suppression for this area will follow as per the table outlined on page 13

Undertake controlled removal - loose cement sheets and debris

• The cement will be sprayed with surfactant. The

Conduct Fine Clean

• As per Safe working Procedures section 14.12

Supervisor Visual inspection

As per Safe Working procedures section 19

Remove Respirator Zone and clear site





Health and Safety Executive

Health and Safety at Work etc Act 1974 Control of Asbestos Regulations 2012

Licence to undertake work with asbestos

Licence Number 841900294

The Health and Safety Executive, in pursuance of the powers conferred on it by the Control of Asbestos Regulations 2012, licences

Erith Contractors Limited Erith House 7 Queen Street ERITH Kent DA8 1RP

("the licensee")

to undertake work with asbestos subject to the conditions below. The licence is granted from 01 January 2020 and shall remain valid until 31 December 2022 unless revoked in writing by an authorised Person.

CONDITIONS

- This licence or a copy thereof, should be made available on request by the licensee for inspection by any person to whom the licensee submits a tender or quotation for work with asbestos and shall be available for inspection at all worksites.
- 2. The licensee shall give notice in writing of the work to the appropriate HSE or local authority office at least 14 days before the work is commenced, or such other period as the authority will allow. The notice shall specify the type of work to be carried out, the likely duration of the work, the address of the premises at which the work is to be carried out and the date of commencement of the work activity. The enforcing authority must be informed in writing as soon as possible if this information changes. This condition will only apply to licensable work with asbestos as defined in Regulation 2 of the Control of Asbestos Regulations 2012 or when the licensee hires out employees (at operative level) to other licensees.
- (a) Prior to submitting the notice of work required by Condition 2 the following documents shall be prepared by the licence holder:
 - i) a suitable and sufficient written statement of the plan of work to be used.
 - a suitable and sufficient written specification for the equipment for the protection and decontamination of those engaged in asbestos work and also for the protection of other persons, as appropriate to the work.
 - (b) The licensee shall, on request by HSE and/or the local authority provide copies of the documents referred to in 3(a) and/or allow inspection of those documents as required.
 - (c) Work carried out under the notice of work required by Condition 2 shall be carried out in accordance with the suitable and sufficient plan of work and the equipment, as specified in (a) (i) and (ii).

The plan of work and written specification must be provided on request and be available at the time of notification.

Signature

A person authorised by the Health and Safety Executive to act in that capacity

Name: Deborah Walker

H M Inspector of Health and Safety

Asbestos Licensing Unit

Date: 13 December 2019

FOD ASSES (res 04.12)





CERTIFICATE OF EMPLOYERS' LIABILITY INSURANCE (a)

(Where required by regulation 5 of the Employers' Liability (Compulsory Insurance) Regulations 1998 (the Regulations), one or more copies of this certificate must be displayed at each place of business at which the policy holder employs persons covered by the policy)

Name of policy holder

Policy No Y020297QBE0120A

Erith Holdings Limited and/or Erith Business Services Limited and/or Erith Contractors (Ireland)
Limited and/or Erith Contractors Limited and/or Erith Haulage Company Limited and/or Erith Plant Services
Limited and/or Erith Training Services Limited and/or Swanton Consulting Limited and/or Trustees of Erith
Group Directors Pensions Scheme.

2. Date of commencement of insurance policy 30 Se

30 September 2020

3. Date of expiry of insurance policy

29 September 2021

We hereby certify that subject to paragraph 2:

- the policy to which this certificate relates satisfies the requirements of the relevant law applicable in Great Britain, Northern Ireland, Isle of Man, Island of Jersey, Island of Guernsey, Island of Alderney; or any offshore installations in territorial waters around Great Britain and its Continental Shelf (b): and;
- 2. (a) the minimum amount of cover provided by this policy is no less than £5 million (c); or
 - (b) the cover provided under this policy relates to claims in excess of (6.1 but not exceeding (6.1
- 3. the policy covers the holding company and all its subsidiaries

Signed on behalf of QBE UK Limited and QBE Casualty Syndicate 386 (Authorised Insurers)

Notes

- (a) Where the employer is a company to which regulation 3(2) of the Regulations applies, the certificate shall state in a prominent place, either that the policy covers the holding company and all its subsidiaries, or that the policy covers the holding company and all its subsidiaries except any specifically excluded by name, or that the policy covers the holding company and only the named subsidiaries.
- (b) Specify applicable law as provided for in regulation 4(6) of the Regulations.
- (c) See regulation 3(1) of the Regulations and delete whichever of paragraphs 2(a) or 2(b) does not apply. Where 2(b) is applicable, specify the amount of cover provided by the relevant policy.

Importan

Display will be satisfied if the certificate is made available in electronic form and each relevant employee to whom it relates has reasonable access to it in that form.

The Insurers' obligations under this policy are several and not joint and are limited solely to the extent of their individual subscriptions. Please see the policy for full details.

QBE UK Limited, Plantation Place, 30 Fenchurch Street, London, EC3M 38D - Registered in England No. 1761561
Authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority – Registration Number 202842

QBE Casualty Syndicate 386 managed by QBE Underwriting Limited, Plantation Place, 30 Fenchurch Street, London, EC3M 38D — Registered in England No. 01035198. Authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority registration number 204858



Certificate of Registration under the Waste (England and Wales) Regulations 2011

Regulation authority

Name Environment

National Customer Service Centre

Address 99 Parkway Avenue

Sheffield S9 4WF

Telephone number 03708 506506

The Environment Agency certify that the following information is entered in the register which they maintain under regulation 28 of the Waste (England and Wales) Regulations 2011.

Carriers details

Name of registered

carrier

ERITH CONTRACTORS LTD

Registered as A

An upper tier waste carrier, broker and dealer

Registration number

CBDU90336

ERITH

Address of place of

MANOR ROAD

business

ERITH DA8 2AW

Telephone number

03709508800

Date of registration

5 April 2019

Expiry date of

registration (unless

7 May 2022

revoked)

Making changes to your registration

Your registration will last 3 years and will need to be renewed after this period. If any of your details change, you must notify us within 28 days of the change.