

Rylands Building
109 – 127 Market Street
Manchester.
M60 1TA



Planning Method Statement.

For Asbestos removal

By: Peter Cresswell
Date: 21/02/2023
Rev: Rev B

i) Introduction / Context

a.

Russells WBHO Ltd has been commissioned by AM Alpha Ltd to undertake works to refurbish and extend the Rylands Building located on Market street in Manchester. Which may be informed by intrusive investigations / survey works, within the building and to the façade and roof areas. The extant building group includes a grade-II listed structure, which is built of a reinforced concrete & steel frame covered with a masonry & stone façade envelope with concrete floor construction.

b.

The investigations and subsequent conservation-led repairs will enable the future use of the building group in accord with the approved Planning Permission and listed building consent. The detailed specifications and implemented works will secure the future performance and lasting repair of the structural components of the building to facilitate its sustainable use.

c.

The works may require some intrusive investigations to better understand the condition and the physical dimensions of some of the building components which are to be repaired. Where possible non-destructive means will be used to gain a full understanding of the building's structure, to confirm the proposed conservation repairs.

d.

Prior to works being carried out on site, Methodologies will be prepared in consultation with the appointed specialists to provide full details of the extent of works and the working methods to be utilised.

Asbestos removal.

ii) Overview

a.

In order to prepare the site for the main works Russell WBHO has undertaken to prepare an Asbestos Refurbishment & Demolition report in line with our legal requirements as principal contractor.

The R&D report has identified Asbestos containing materials throughout the building that will need to be removed in order to allow Soft Strip works and enabling intrusive surveys to be undertaken before demolition works can continue. Please see Appendix 1 – Asbestos R&D report Dated 10th February 2023

b.

The proposed asbestos removal works require the removal of ACM's from every level as indicated on Figure 1 - 13 in the marked up plans on the following pages.

c1.

The Sub-Contract asbestos removal works are to be undertaken by:

- Reddish Vale Ltd

Figure 1 – Sub-Basement floor plan. PLANT ROOM

Report Ref: CH.23.1.335.LW

Section 7.1 Site Plans.

Site Address:
Rylands Building
Market Street
Manchester
M60 1TA

Key to Site Plans:

Room Number / Location

Asbestos Containing Samples

None Asbestos Containing Samples

Location Reference:

Sub Basement
(Expanding Main Boiler Room)

Site Plans Not to Scale

Additional Information:



Figure 2 – Sub-Basement floor plan. Rest of Basement

Report Ref: CH.23.1.335.LW

Section 7.1 Site Plans.

Site Address:

Rylands Building
Market Street
Manchester
M60 1TA

Location Reference:
Sub-Basement (Main area)

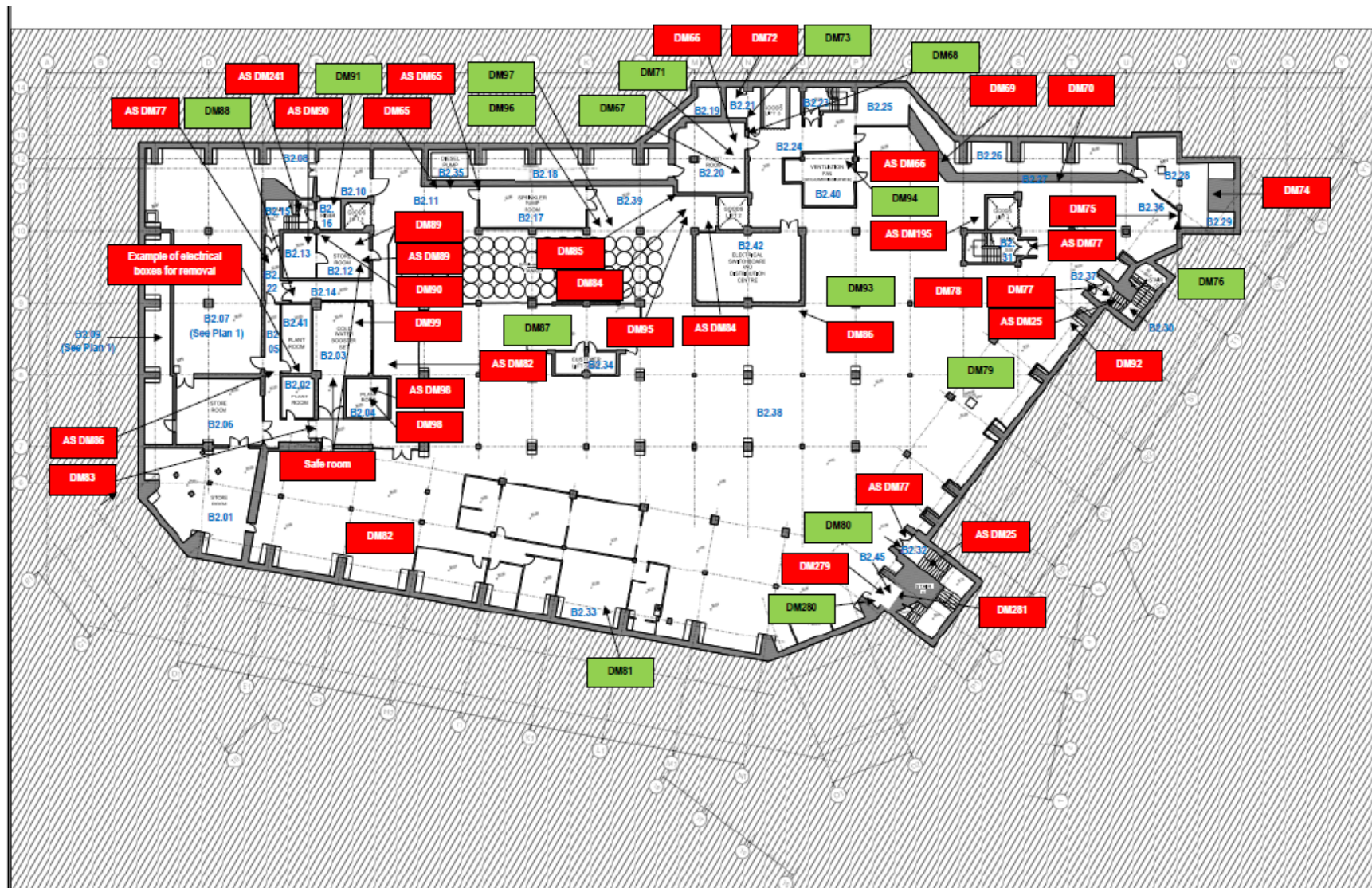
Key to Site Plans:

Room Number / Location

Asbestos Containing Samples

None Asbestos Containing Samples

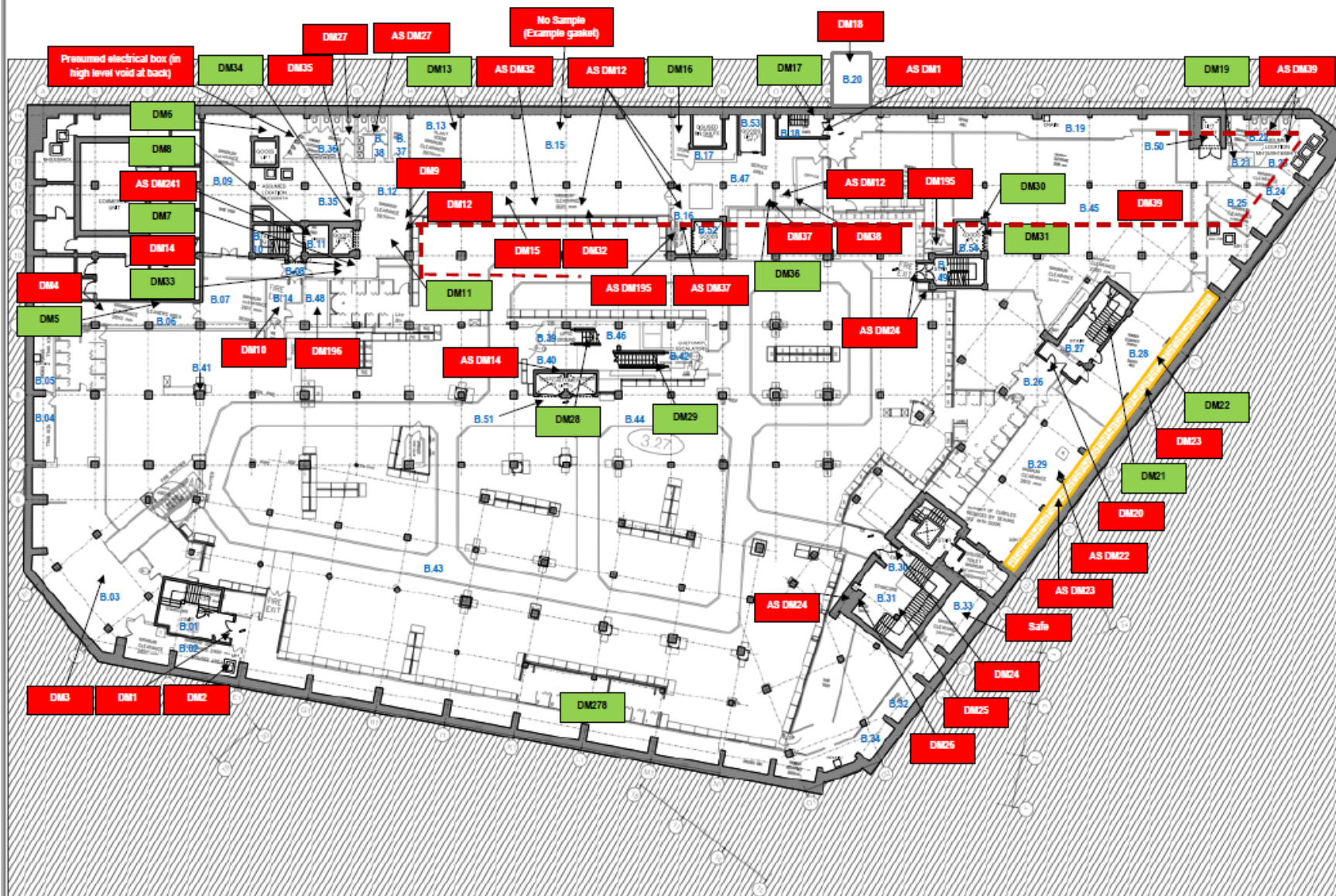
B2.38 = Main Sub basement area



NOTES
1. All areas shown on this plan are to be sampled for asbestos.
2. All areas shown on this plan are to be sampled for asbestos.
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4. All areas shown on this plan are to be sampled for asbestos.
5. All areas shown on this plan are to be sampled for asbestos.
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9. All areas shown on this plan are to be sampled for asbestos.
10. All areas shown on this plan are to be sampled for asbestos.

PROJECT NAME	RYLANDS BUILDING
CLIENT	RYLANDS BUILDING
DATE	11/01/2023
BY	ALM/A
STAGE	1 - REVIEW

Figure 3 – Basement floor plan.



APEC ENVIRONMENTAL
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Report Ref: CH.23.1.335.LW

Section 7.1 Site Plans.

Site Address:
Rylands Building
Market Street
Manchester
M60 1TA

Location Reference: Basement

Key to Site Plans:

Room Number / Location

Asbestos Containing Samples

None Asbestos Containing Samples

 Internal cement shuttering

Approximate route of insulated pipe. Pipe runs through ALL ceiling voids above the rooms

B.44 = Main basement area

Site Plans Not to Scale

Additional Information:

NOTES

NO RECORDS AVAILABLE FOR RELEASE TO THE PUBLIC
 RECORDS SECTION

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
 EXCEPT WHERE SHOWN OTHERWISE

DATE 11-11-2011 BY 60322 UCBAW/STW

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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Figure 4 – Ground floor plan.

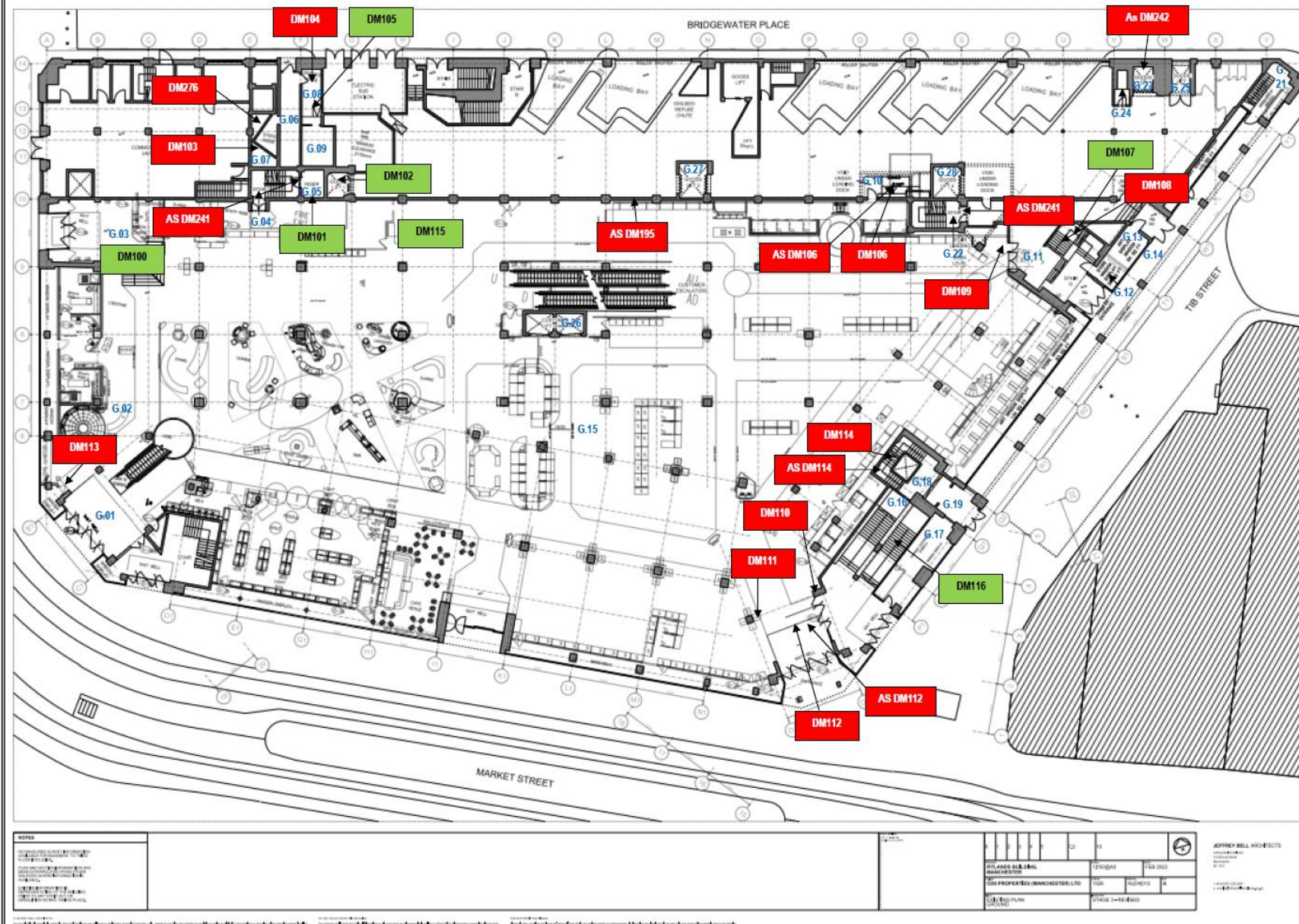


Figure 5 – Mezzanine & loading bay floor plan.

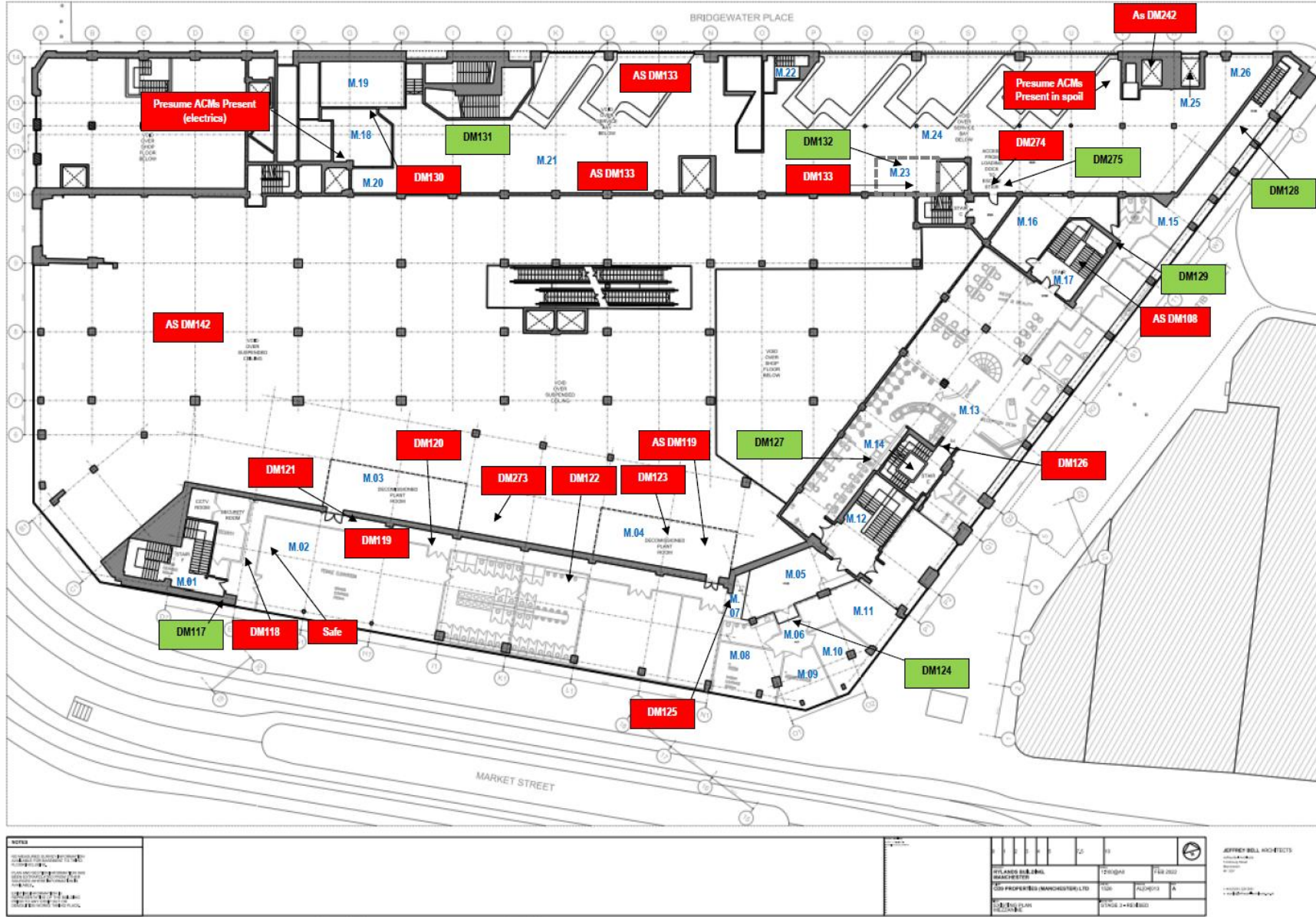
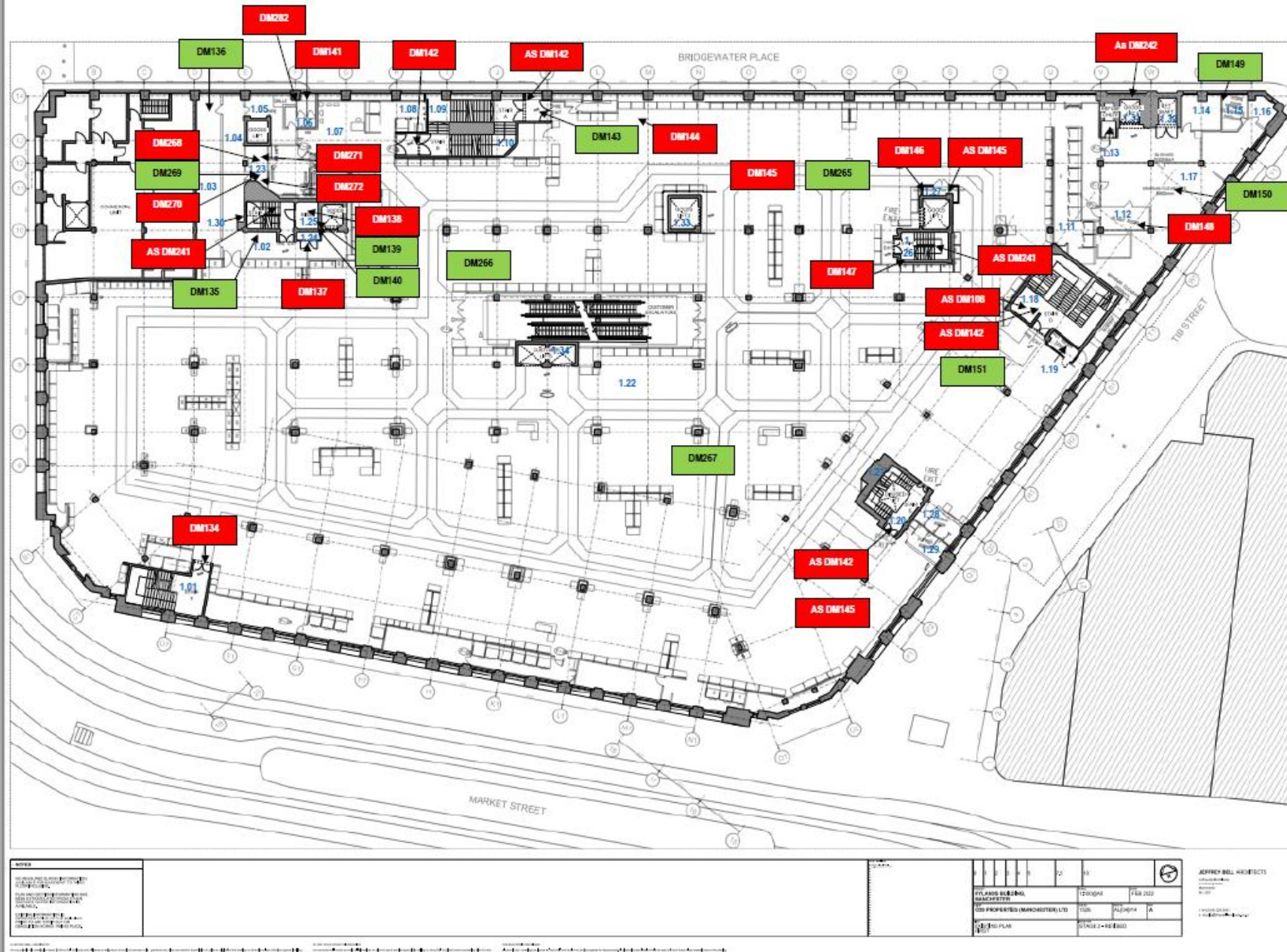


Figure 6 – First floor plan.



APEC ENVIRONMENTAL
APEC Environmental Ltd,
9 Telford Court
Dunkirk Lee, Chester Gates
Chester, CH1 5LT
Tel: 01244 851753
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www.apecuk.com

Report Ref: CH.23.1.335.LW

Section 7.1 Site Plans.

Site Address:
Rytlands Building
Market Street
Manchester
M60 1TA

Location Reference: First Floor

Key to Site Plans:

Room Number / Location

Asbestos Containing Samples

None Asbestos Containing Samples

1.22 = Main first floor area

Site Plans Not to Scale

Additional Information:

Figure 7 – Second floor plan.

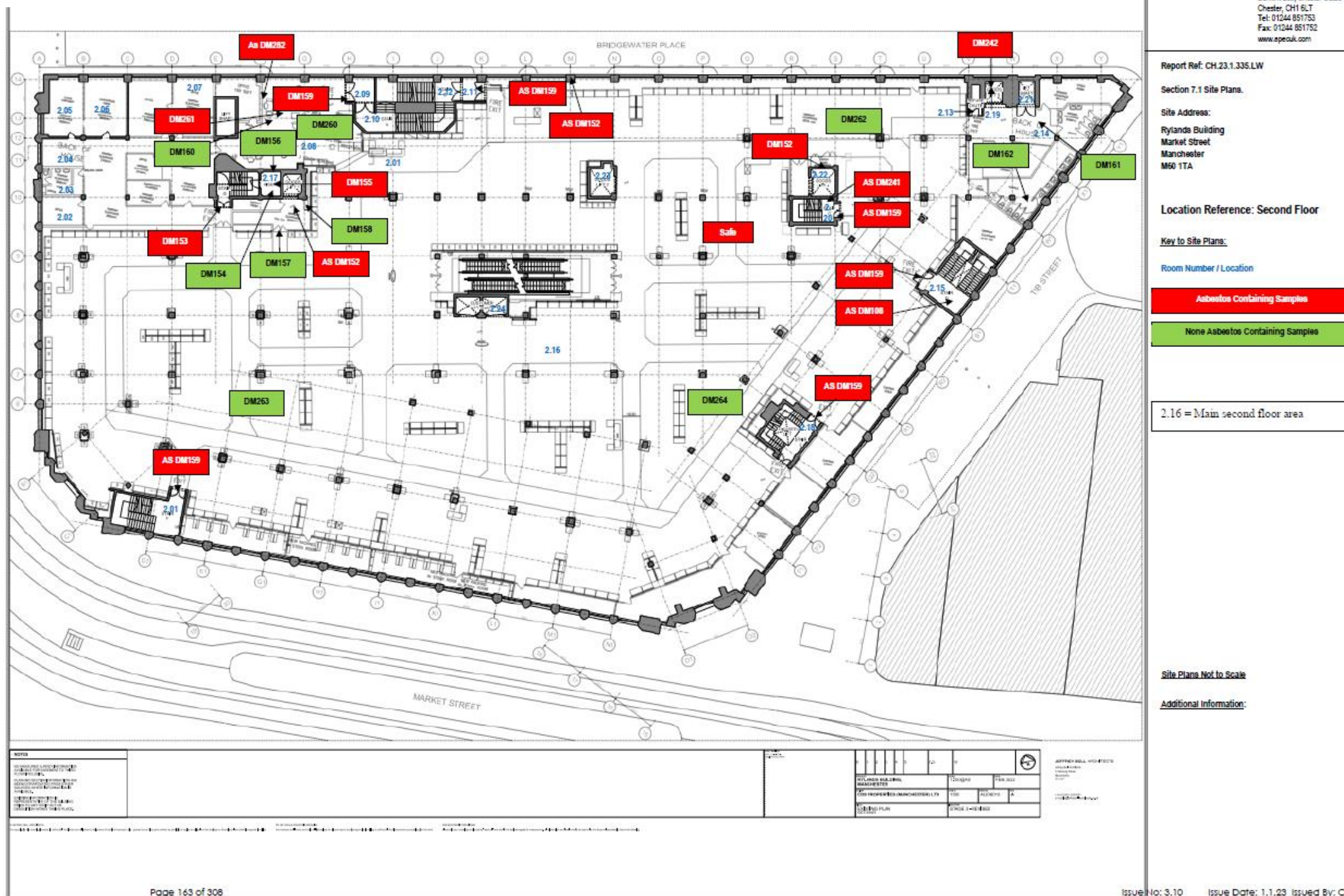


Figure 8 – Third floor plan.

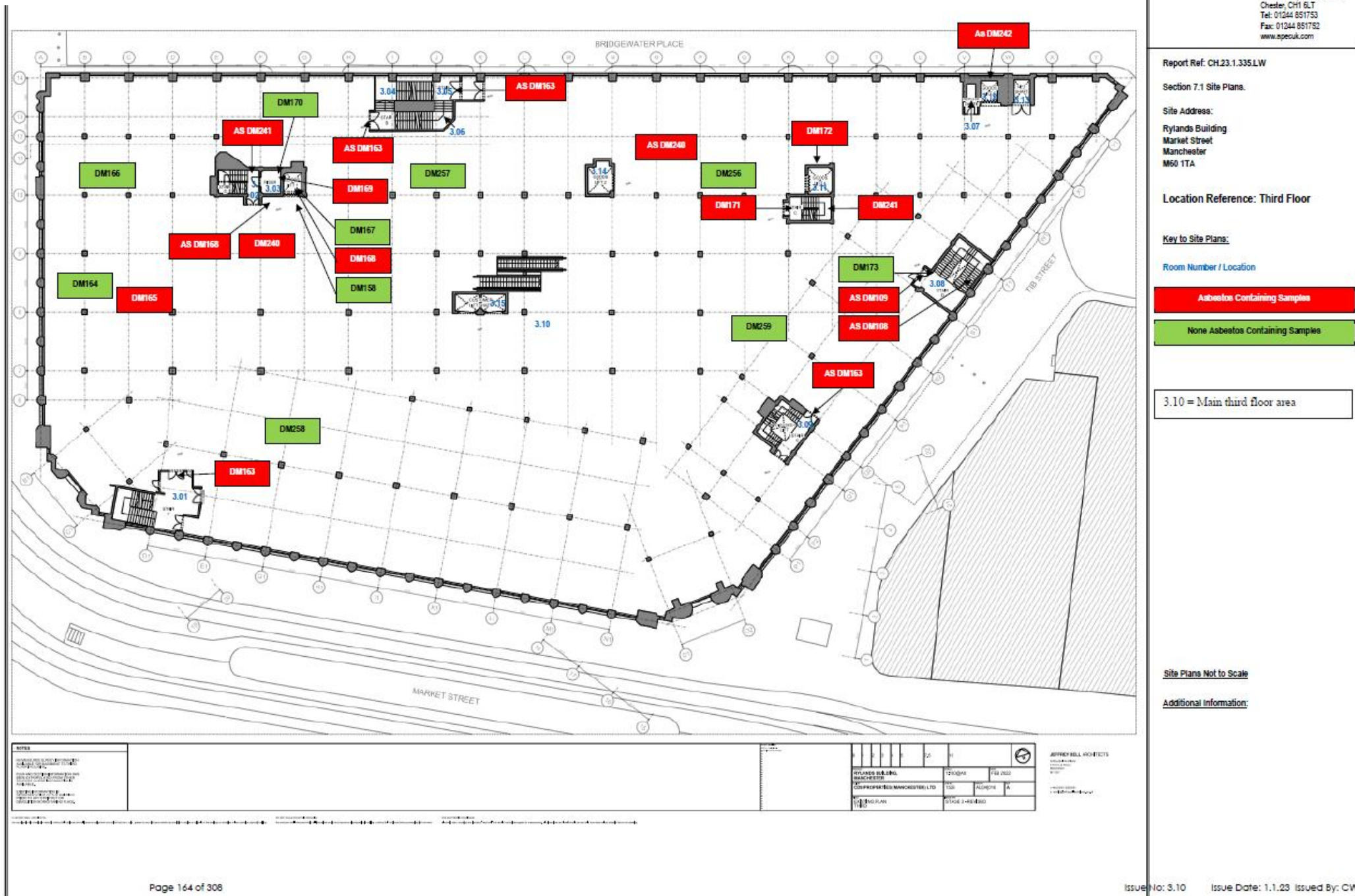


Figure 9 – Fourth floor plan.

APEC Environmental Ltd.
9 Telford Court
Dunkirk Lea, Chester Gates
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Report Ref: CH.23.1.335.LW

Section 7.1 Site Plans.

Site Address:

Rylands Building
Market Street
Manchester
M60 1TA

Location Reference: Fourth Floor

Key to Site Plans:

Room Number / Location

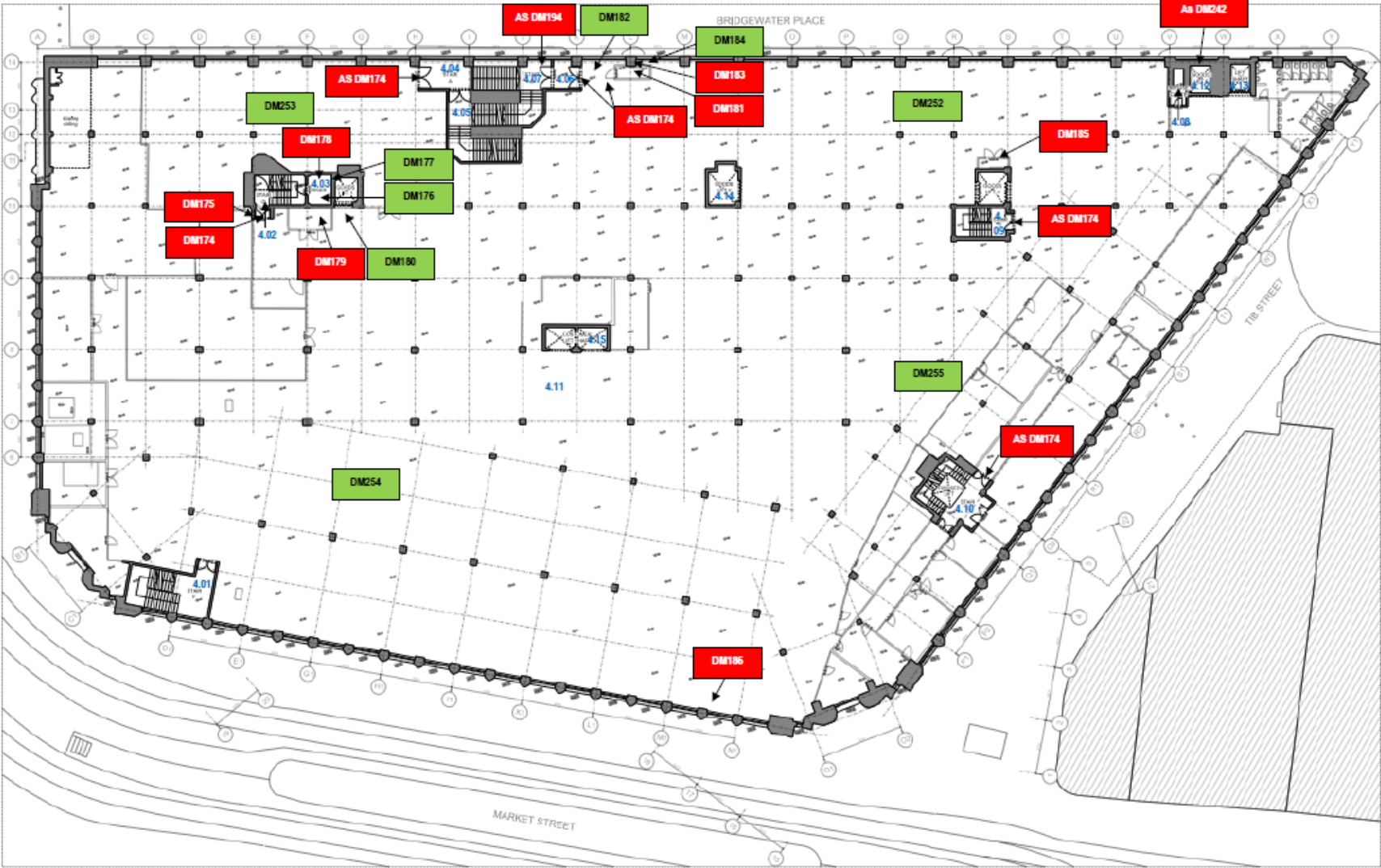
Asbestos Containing Samples

None Asbestos Containing Samples

4.11 = Main fourth floor area

Site Plans Not to Scale

Additional Information:



NOTES

1. All areas shown on this plan are to be sampled for asbestos.
2. All areas shown on this plan are to be sampled for asbestos.
3. All areas shown on this plan are to be sampled for asbestos.
4. All areas shown on this plan are to be sampled for asbestos.
5. All areas shown on this plan are to be sampled for asbestos.

Figure 10 – Fifth floor plan.

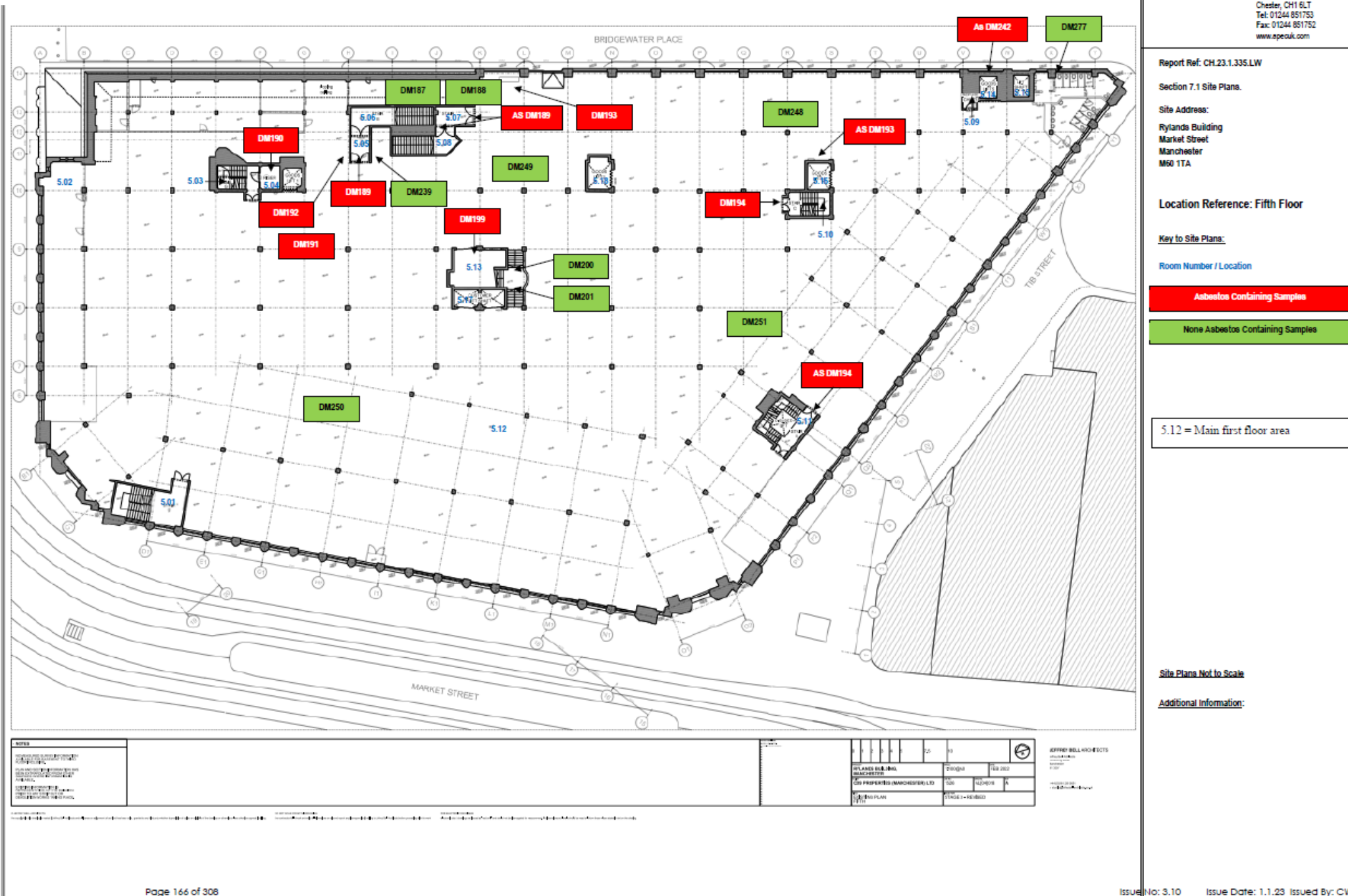


Figure 11 – Sixth floor plan.

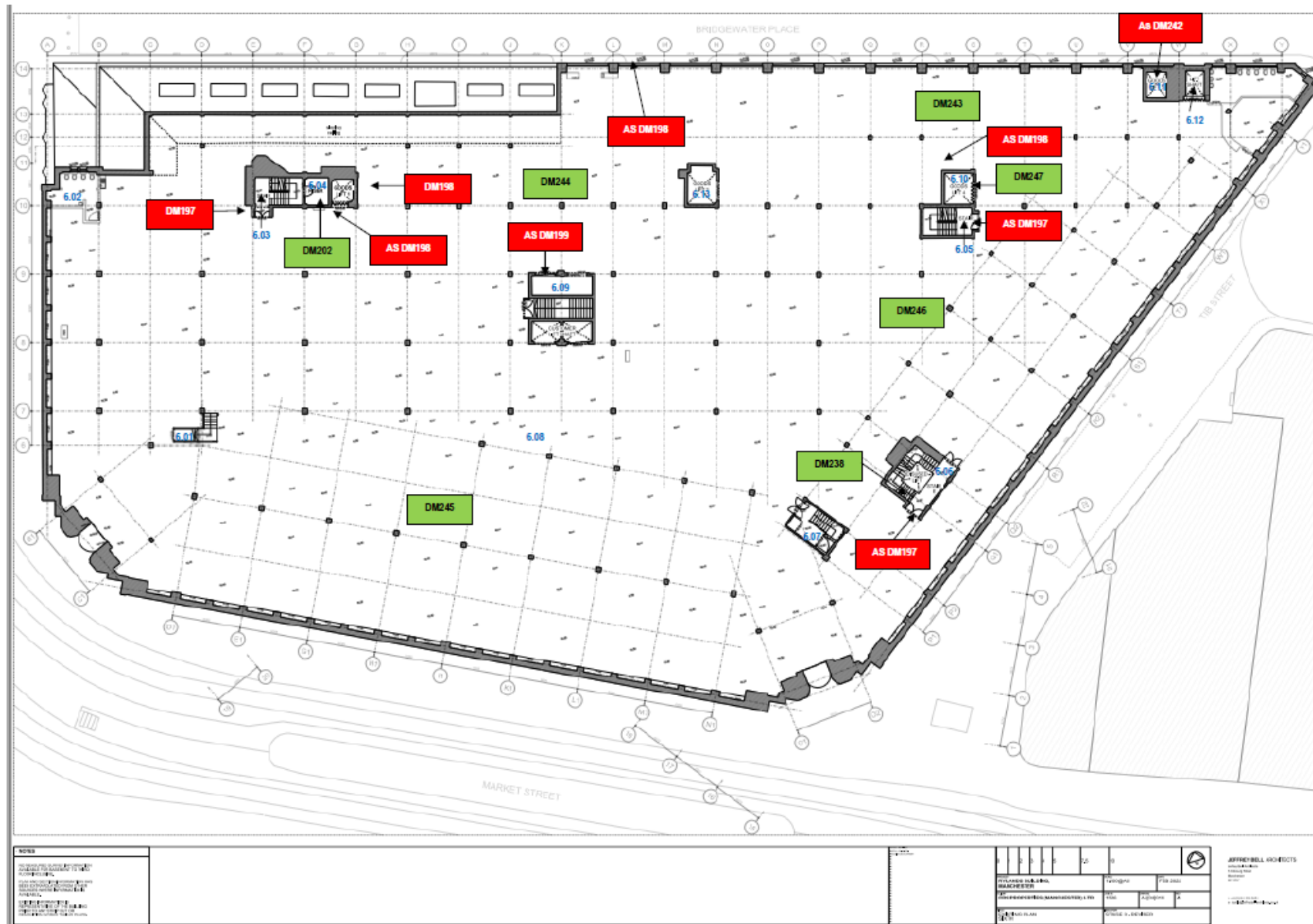


Figure 12 – Seventh floor plan.

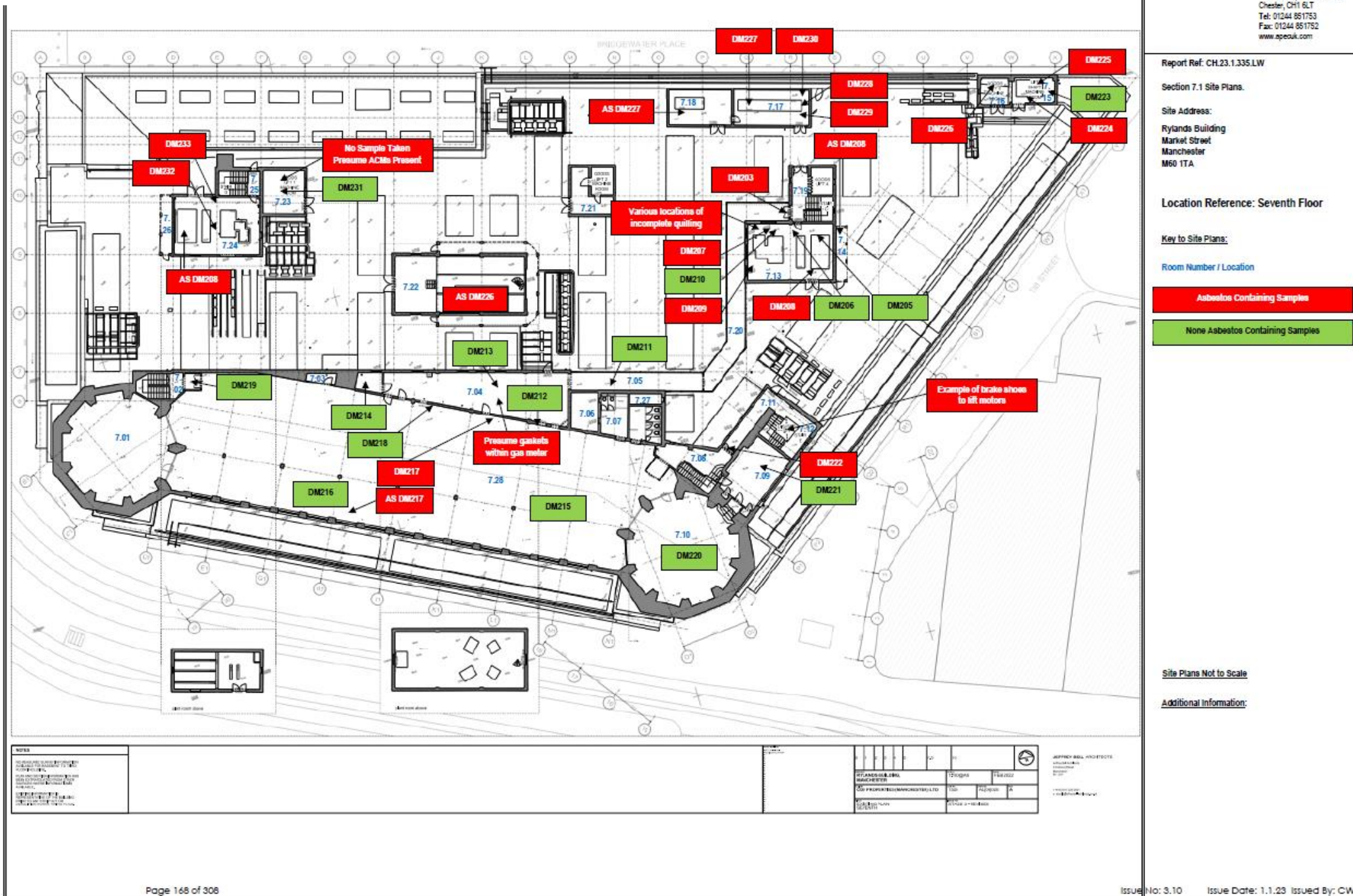
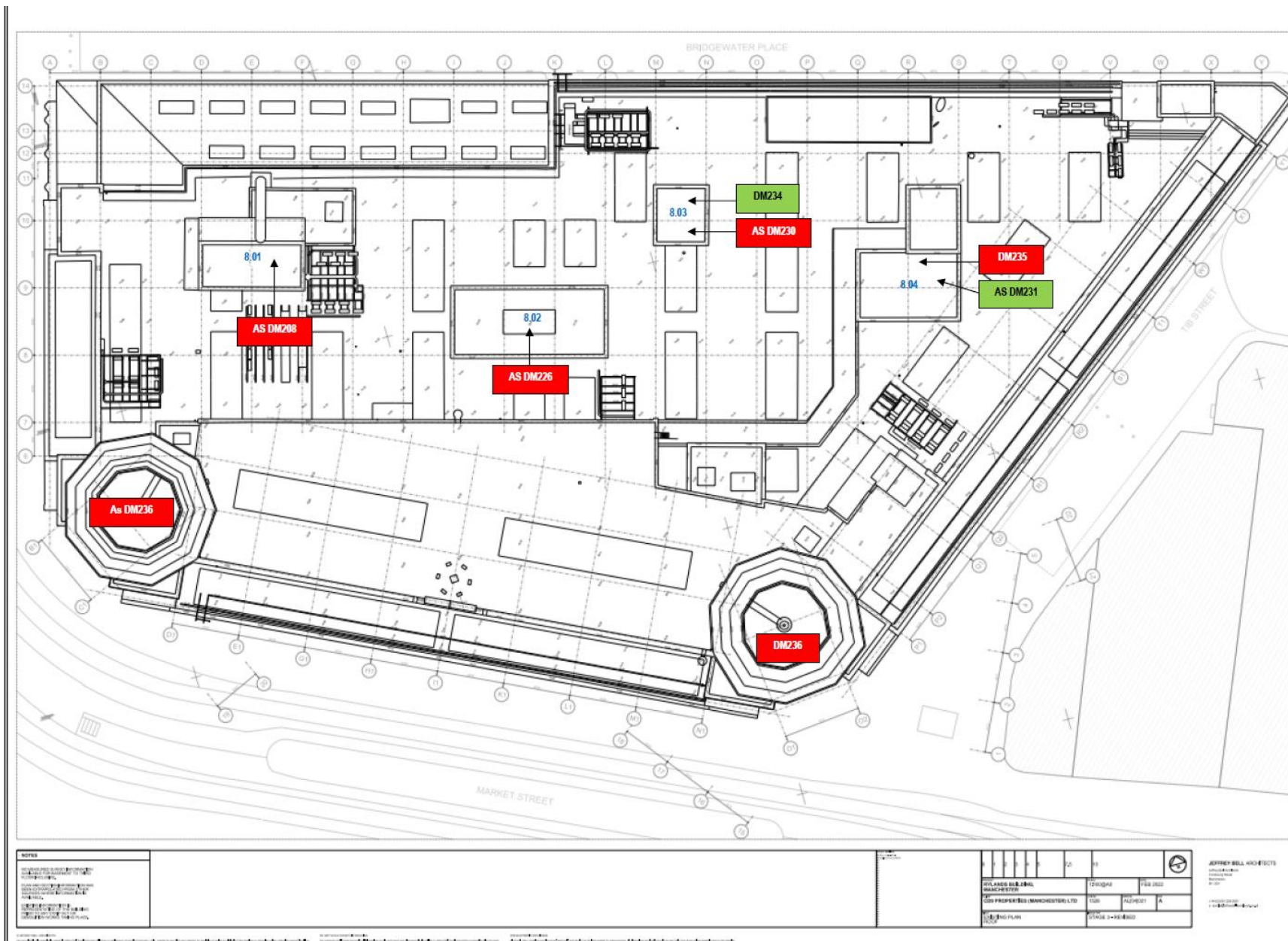


Figure 13 – Roof level plan.



iii) Design Team Information

- a) The Asbestos removal works shall be undertaken with reference to the project architect's drawings, relevant structural reports, and the heritage architect's report.

Design team documents are to be appended to this document:

- Woolgar Hunter Stage 3 report
 - Jeffery Bell architects (JBA) set of proposed GA drawings
 - SLHA inventory of historic building features
- b) The Asbestos removal works are required in order to facilitate the soft strip works, and enabling surveys leading to the main works as per the approved designs as noted in the appended Architects and Structural Engineer's drawings and reports.

iii) Design Team Information – Architectural

Jeffrey Bell Architects – Architectural Drawings (Appendix B)

Organisation	Drawing No	Rev	Title	Date	Purpose
JBA	1526_AL(04)210		PROPOSED PLAN SUB BASEMENT		
JBA	1526_AL(04)211		PROPOSED PLAN BASEMENT		
JBA	1526_AL(04)212		PROPOSED PLAN GROUND		
JBA	1526_AL(04)214		PROPOSED PLAN FIRST		
JBA	1526_AL(04)215		PROPOSED PLAN SECOND		
JBA	1526_AL(04)216		PROPOSED PLAN THIRD		
JBA	1526_AL(04)217		PROPOSED PLAN FOURTH		
JBA	1526_AL(04)218		PROPOSED PLAN FIFTH		
JBA	1526_AL(04)219		PROPOSED PLAN SIXTH		
JBA	1526_AL(04)220		PROPOSED PLAN SEVENTH		
JBA	1526_AL(04)221		PROPOSED PLAN EIGHTH		
JBA	1526_AL(04)222		PROPOSED PLAN NINTH		
JBA	1526_AL(04)223		PROPOSED PLAN TENTH		
JBA	1526_AL(04)224		PROPOSED PLAN ROOF PLANT		
JBA	1526_AL(04)225		PROPOSED PLAN ROOF		
JBA	1526_AL(04)260		PROPOSED ELEVATION A (SOUTH)		
JBA	1526_AL(04)261		PROPOSED ELEVATION B (EAST)		
JBA	1526_AL(04)262		PROPOSED ELEVATION C (NORTH)		
JBA	1526_AL(04)263		PROPOSED ELEVATION D (WEST)		
JBA	1526_AL(04)280		PROPOSED ELEVATION A (SOUTH) - EXTENSION		
JBA	1526_AL(04)281		PROPOSED ELEVATION B (EAST) – EXTENSION		
JBA	1526_AL(04)282		PROPOSED ELEVATION C (NORTH) – EXTENSION		
JBA	1526_AL(04)283		PROPOSED ELEVATION D (WEST) - EXTENSION		

iii) Design Team Information – Structural

Woolgar Hunter - Structural engineer Drawings (Appendix A)

Organisation	Drawing No	Rev	Title	Date	Purpose
Woolgar Hunter	RYLANDS-WHL-XX-B2-DR-S-1996	P02	Proposed Foundation Layout	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-B2-DR-S-1997	P09	SUB-BASEMENT PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-B1-DR-S-1998	P09	BASEMENT PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-00-DR-S-1999	P10	GROUND FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-01-DR-S-2001	P09	L01 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-02-DR-S-2002	P09	L02 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-03-DR-S-2003	P09	L03 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-04-DR-S-2004	P09	L04 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-05-DR-S-2005	P09	L05 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-06-DR-S-2006	P09	L06 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-07-DR-S-2007	P10	L07 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-08-DR-S-3108	P09	L08 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-09-DR-S-3109	P09	L09 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-10-DR-S-3110	P09	L10 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-11-DR-S-3111	P08	L11 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-12-DR-S-3112	P02	L12 FLOOR PROPOSED	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-ZZ-DR-S-3210	P04	EXTENSION PROPOSED ELEVATIONS SHEET 01	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-ZZ-DR-S-3211	P03	EXTENSION PROPOSED ELEVATIONS SHEET 02	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-ZZ-DR-S-3212	P02	EXTENSION PROPOSED ELEVATIONS SHEET 02	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-ZZ-DR-S-3220	P03	EXTENSION PROPOSED SECTIONS SHEET 01	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-ZZ-DR-S-3221	P02	EXTENSION PROPOSED SECTIONS SHEET 02	28/02/2022	Proposed

iii) Design Team Information – Structural

Woolgar Hunter - Structural engineer Drawings (Appendix A)

Organisation	Drawing No	Rev	Title	Date	Purpose
Woolgar Hunter	RYLANDS-WHL-XX-ZZ-DR-S-3222	P02	EXTENSION PROPOSED SECTIONS SHEET 03	28/02/2022	Proposed
Woolgar Hunter	RYLANDS-WHL-XX-ZZ-DR-S-3223	P02	EXTENSION PROPOSED SECTIONS SHEET 04	28/02/2022	Proposed
Woolgar Hunter	196002	V1.30	Structural Inspection Tender doc	06/12/2021	Tender Doc

iii) Design Team Information – Additional information

Steven Levrant Heritage Architects (Appendix C)

Organisation	Description	Rev	Title	Date	Purpose
SLHA	Inventory of Historic Features	15/02/2023			

iv) Implementation Methodology

a)

Prior to any works commencing the client team will brief all operatives on the approved Task Method Statements. All site operatives will be made aware of the Heritage significance of the building and specifically those elements affected by their planned works. This aspect will also be covered in the pre-start induction and relevant activity briefings.

Tool Box Talks will be undertaken and a record kept of such briefings as they take place.

b)

Individual Task Method Statements will include a detailed description (if necessary, including sample photographs of typical/similar works) to enable the client team to fully understand the extent of work to be undertaken. This should include:

1. **Location of the works** – marked-up drawings to be provided of the work locations. Where possible photos of the actual work area suitably marked up should be provided as part of the Contractor's Methodology.
2. **Description of the works to be undertaken**, including whether material is to be removed as part of the investigations and how this will be recorded and transported from the work area.
3. **The materials and specifications of the repair/reinstatement works.** – if the Asbestos removal works require that elements of the building fabric that are not already identified for removal in the main works will be reinstated to an appropriate acceptable standard. There are currently no elements of this nature.
4. **Equipment** – Details of the equipment required to undertake the works will be identified in the task-specific Risk Assessment & Method Statement.
5. **Attendances required** – to include lighting power, ventilation, communications, and access.

iv) Implementation Methodology – b) Individual task method statement

b)

Individual Task Method Statements should include a detailed description (if necessary, including sample photographs of typical / similar works) to enable the client team to fully understand the extent of works to be undertaken.

1. Location of the works – marked up drawings to be provided of the work locations.

See Figure 1 – 13 above.

2. Description of the works to be undertaken.

See the task-specific Risk Assessment & Method Statement

3. The materials and specification of the repair/reinstatement works.

- It is not envisaged that any repair works will be required. However, if repairs are required they will be undertaken following consultation with the architect and structural engineer.

4. Equipment – details of the equipment required.

- A detailed Risk Assessment and Method Statement will be produced in advance of works being undertaken and will specify all specialist tools and equipment necessary to carry out the works.

5. Attendances required –

- Russells WBHO will provide supervision & site infrastructure to allow the tasks to be carried out safely and in accordance with the Employers Requirements and in line with the architects and engineers drawings and specifications.

v) Recording

a.

A full condition survey of each level of the building has been undertaken and is available upon request.

b.

Whilst works are ongoing progress reports and photographs will be taken and recorded for Quality Assurance purposes in line with the Russell WBHO procedures. These are available upon request.

vi) Protection

a.

Surrounding items as listed within the SLHA inventory of heritage features that have been identified for retention and protection will be kept safe and free from damage. Specific information relating to protection of the specific items is covered under separate methodology. However, we do not expect that any existing elements of heritage importance are going to be affected by our works.

b.

The only element of existing heritage importance that need to be protected are:

- The heritage stair on level 5, including column surrounds and lift doors and architraves
- Heritage Stair core 3
- Level 7 heritage area
- Additional items as noted in the SLHA heritage report.

vii) Re-instatement Proposals

- a.
 - The areas cleared of Asbestos will be left clean & tidy. There is no intention to reinstate any of the materials removed by the works.

viii) Construction Programme

a.

The programme of works is as follows: (This may be subject to change to suit project constraints)

- Receipt of the asbestos R&D report – 13/02/2023
- Formulate RAMS and submit a notification to the HSE – 24/02/2023
- 2-week HSE notification period – 24/02/2023 – 10/03/2023
- Commence removal works – 13/03/2023
- Approximate expected period of work 30 weeks.

ix) Competency of those involved

- a.
- All operatives working on the project will be required to attend a site induction led by Russell WBHO before starting work.
 - All operatives will be required to hold a valid current CSCS card and competence cards suitable to their trade and the equipment they are using.
 - All operatives will be required to sign up to the approved Risk Assessment and Method Statement prior to starting work.
 - All work operations will be overseen by a supervisor working directly for the sub-contractor and by Russell WBHO Site / Project management
 - All work activities will be reviewed at regular intervals by Russell WBHO safety team to ensure safe working practices in accordance with the approved RAMS.

b.

Where additional competence is required this will be noted accordingly.

x) Technical compliance

- a.
The Task Method Statement should refer to the relevant technical compliance required by, for example, the following.
- b.
Scaffolding erection for crash decks as per the Russell WBHO temporary works design and sign-off procedure. The temporary works procedures and the temporary works design for this element will be made available on request.
- c.
The sub contractors RAMS & Health and Safety information will be made available upon request.
- d.
Preparation and re-instatement of material to be undertaken to comply with Manufacturers Specifications.
- e.
Plant & Equipment, for example:
 - Access scaffold, mobile tower – to comply with Russell WBHO works procedures.
 - Power tools – to Russell WBHO works procedures.

xi) Management of Heritage Risks

a.

The task method statement should note identified heritage risks associated with the specific task and how they shall be managed throughout the duration of the works.

- There are no other elements of risk to heritage items that have not already been discussed within this document.

xii) Supervision & monitoring of work.

a.

Russell WBHO will provide supervision as required to undertake the works in a safe manner. In brief this will comprise of but not be limited to the following:

- 1 No. Contracts manager – Occasional site visits and high level review of works and safety procedures.
- 1 No. Project manager – Regular site visits and in depth review of works and safety procedures.
- 1 No. Site manager – Multiple Daily site visits and intimate knowledge of works and safety procedures.
- 1 No. Assistant site manager – Multiple Daily site visits and knowledge of works and safety procedures.
- 1 No. Site Operative – Based on site and responsibility for implementing cleanliness requirements and general tasks.

b.

All specialist Sub-contractors will also provide supervisors for each of their teams.

This will be in the form of either working or non working foreman. They will be responsible for implementing the works safely and in accordance with the drawings and approved Risk Assessment and Method Statement.

c.

Each specialist sub-contractor associated with the works will be required to undertake Quality Assurance to ensure that the works have been undertaken in accordance with the drawings and specification and to prove (if required) that suitable working standards have been met without the need for possible destructive investigations.

xiii) Environmental

a.

The environmental protection for all operatives:

Russell WBHO require all operatives to have a minimum 4-point Personal Protective Equipment (PPE):

- Hard Hat,
- Hi-Viz,
- Gloves,
- Safety boots.

b.

- Additional PPE specific to the tasks (e.g. coverall suits, respirators etc) should be also highlighted in the Task Method Statements and worn to suit requirements.

xiv) Dust

a.

It is likely that works to remove debris in the various locations will generate a level of airborne dust.

- Sub-Contract RAMS will detail the control and mitigation measures necessary to ensure dust and in particular silicates are suitably managed to ensure the safety of operatives and building users.
- Russell WBHO will ensure strict adherence to the approved RAMS.

b.

Any requirements for extract ventilation will be noted within the specific Sub-Contract RAMS and implemented if required.

- Enclosures with negative pressure fans and appropriate air filtering will be provided in accordance with the Control of Asbestos regulations.

xiv) Temperature & Humidity

a.

The environmental conditions within the building will be monitored. If conditions of temperature, humidity, cleanliness etc become an issue they will be addressed as and when required.

- It is not anticipated that there will be any issues with temperature or humidity during the works.
- Cleanliness of the work zones will be continuously monitored and a standard maintained.
- If work areas become untidy, Russell WBHO management will issue a 'Stop & Tidy up' notice.

xvi) Approval, Review & Briefing

- a.
Russell WBHO will ensure that activity specific Health & Safety method statements for each works operation will be prepared by the sub-contractor appointed to carry out the works. These will be reviewed for approval. Only once approved will the sub-contractor be permitted to commence works operations.
- b.
Where relevant and applicable to a Planning Condition or Listed Building Condition the sub-contractor's Task Method Statements will be submitted to Manchester City Council for approval. This could result in some delay in sign-off for commencement of particular tasks.
- c.
All operatives working with the Task Method Statement will be fully briefed on the document and will sign a briefing sheet to confirm their understanding.
- d.
Regular activity briefings will be issued to the operatives by the Specialist Contractors Supervisors and Managers to identify any changes from the previous day and health and safety issues or any changes to the heritage considerations.

Protection of specific heritage items on the 7th & 6th floor.

7th floor heritage area.

- Work involves the removal of 2 No heaters within the area that are not of heritage significance.

Staircase 5th to 6th floor.

- Asbestos paneling to be removed. Will not affect heritage features

Column encasements 5th & 6th Floor.

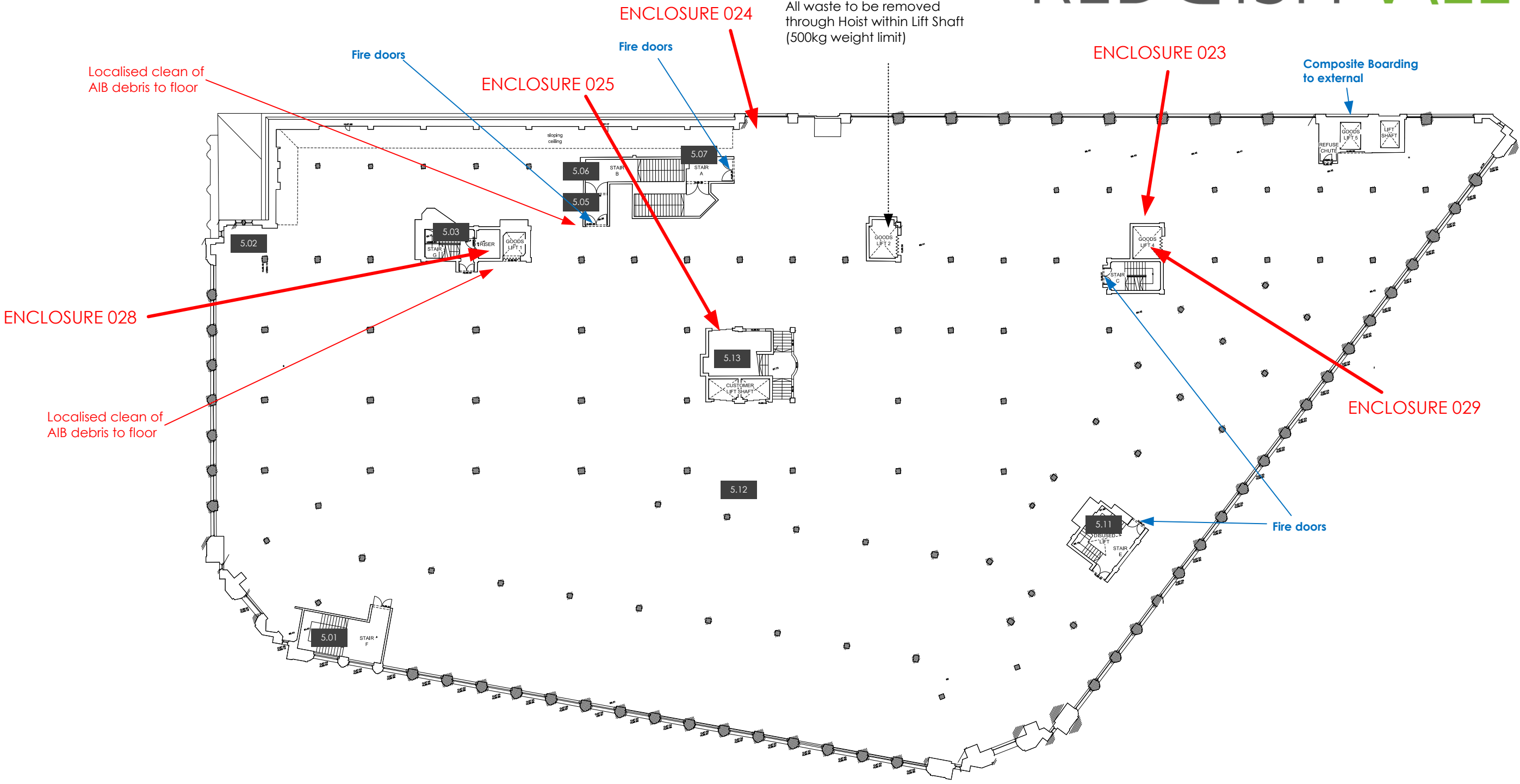
- No issues.

Stair 3.

- Fire doors to be removed. Will not affect heritage features.

Fifth floor Within marked area – See Scope of works within plan of works. Broad outline below

RYLANDS BUILDING 5TH FLOOR WORKS - ASBESTOS



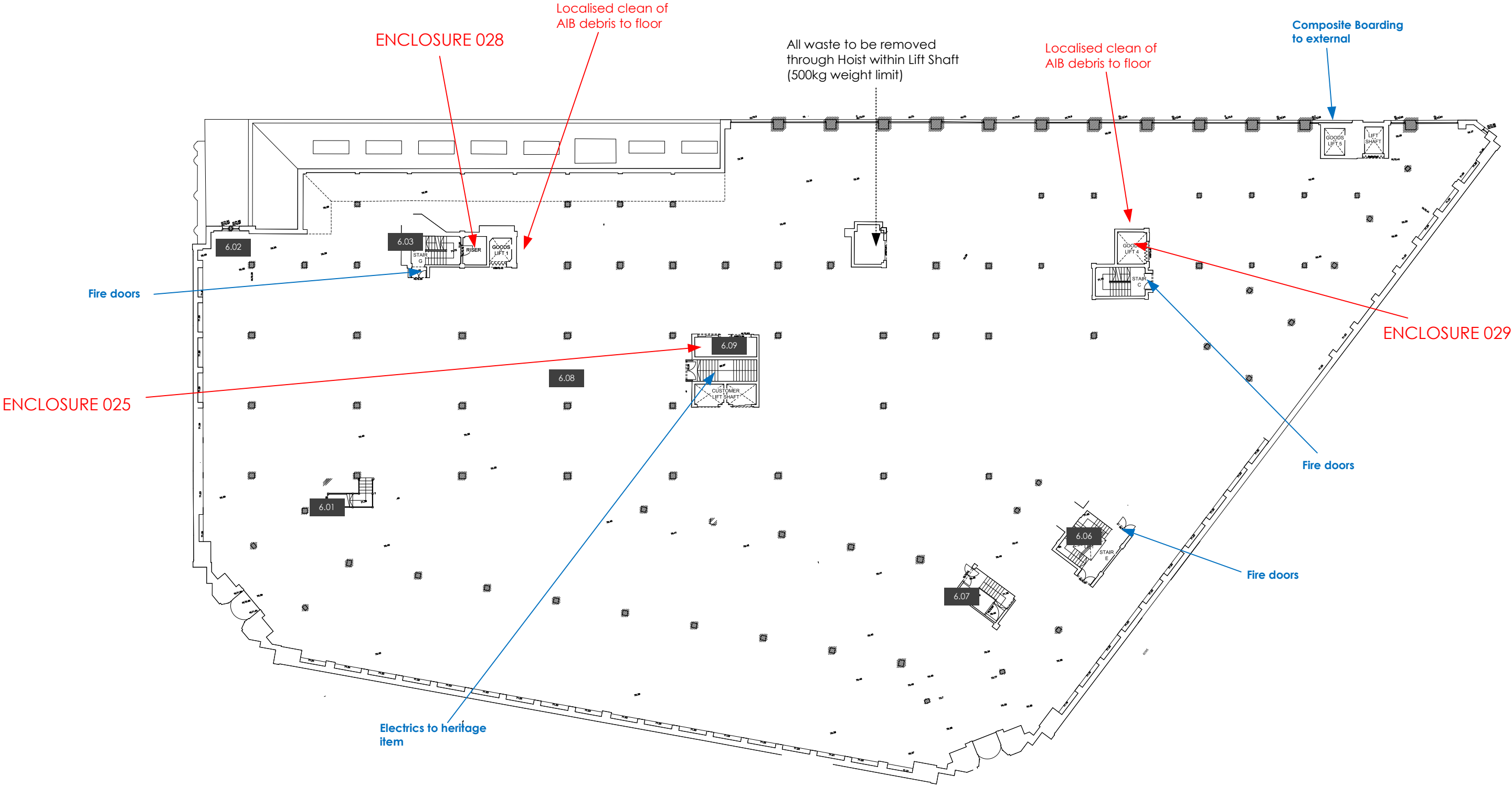
FLOOR CONTAINS HERITAGE ITEMS – CARE MUST BE TAKEN WHEN WORKING

THROUGHOUT FLOOR

- Textile and Cement Arcs within electrical boards throughout

Sixth floor Within marked area – See
Scope of works within plan of works. Broad
outline below

RYLANDS BUILDING 6TH FLOOR WORKS - ASBESTOS

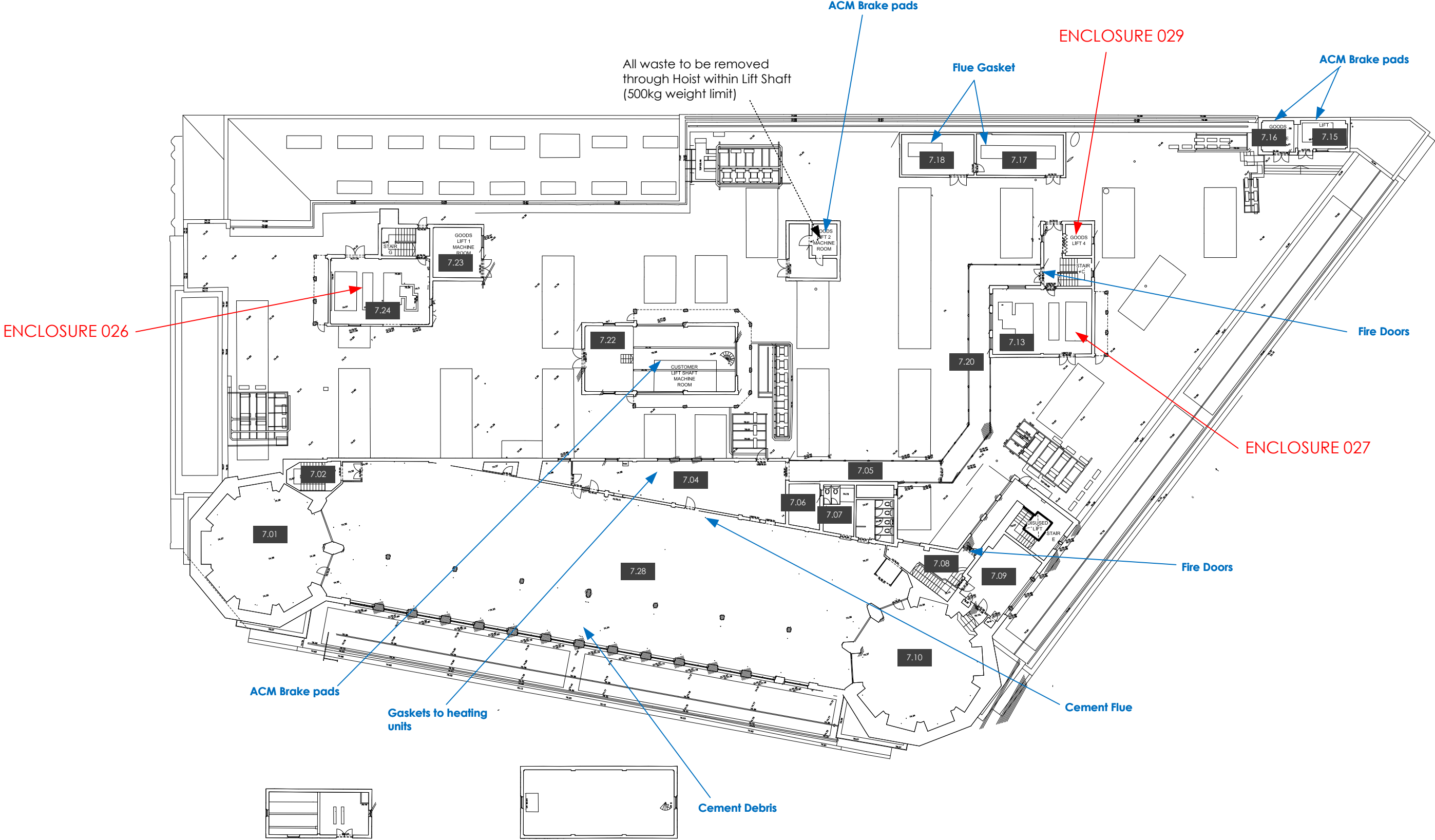


FLOOR CONTAINS HERITAGE
ITEMS – CARE MUST BE TAKEN
WHEN WORKING

- THROUGHOUT FLOOR
- Textile and Cement Arcs within electrical boards throughout

7TH / Roof Within marked area – See
Scope of works within plan of works. Broad
outline below

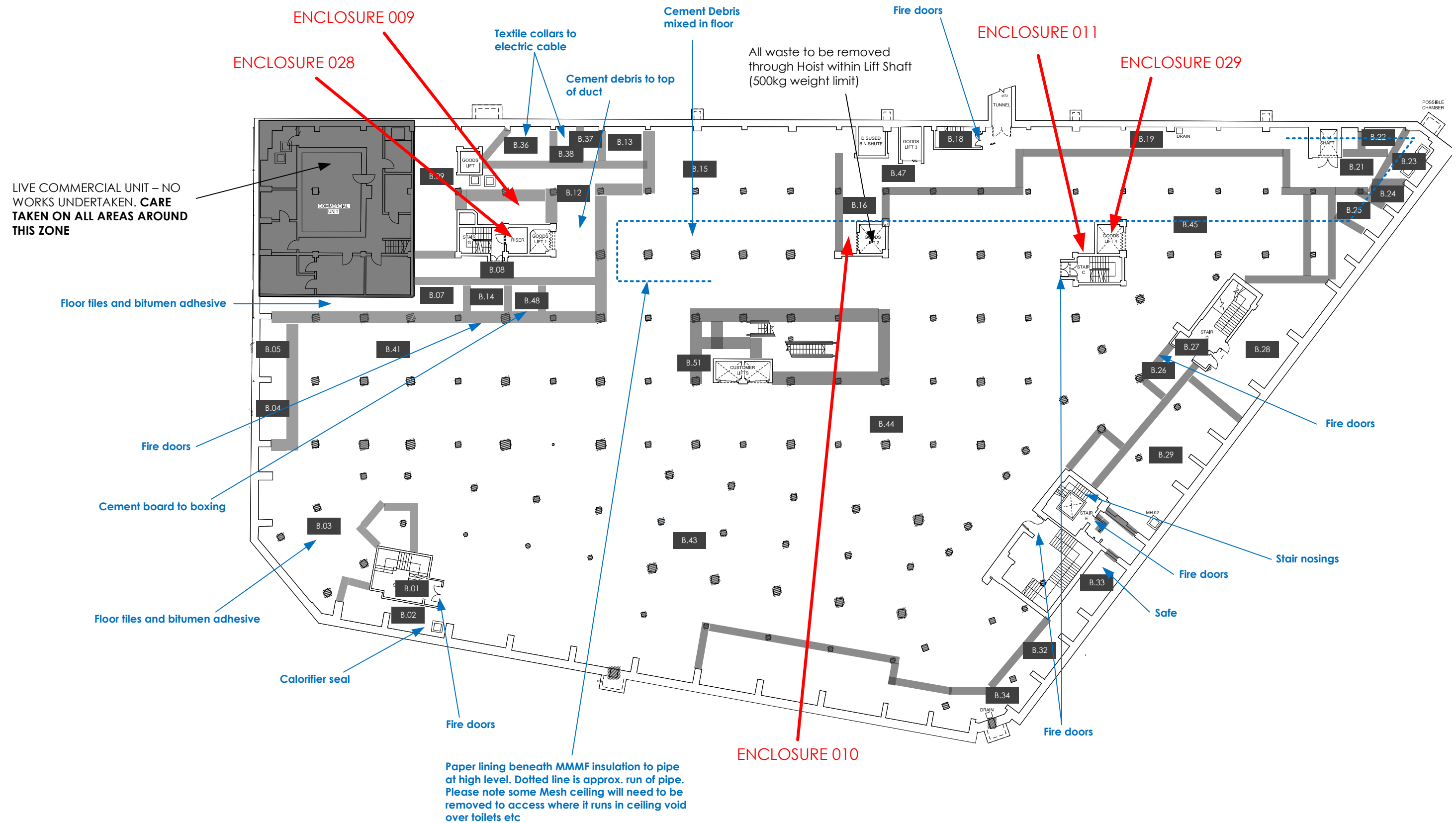
RYLANDS BUILDING 7TH / ROOF WORKS - ASBESTOS



FLOOR CONTAINS HERITAGE
ITEMS – CARE MUST BE TAKEN
WHEN WORKING

THROUGHOUT FLOOR

- Textile and Cement Arcs within electrical boards throughout
- Gaskets found to pipe work
- Mastic and Textile seals to AH Ducting



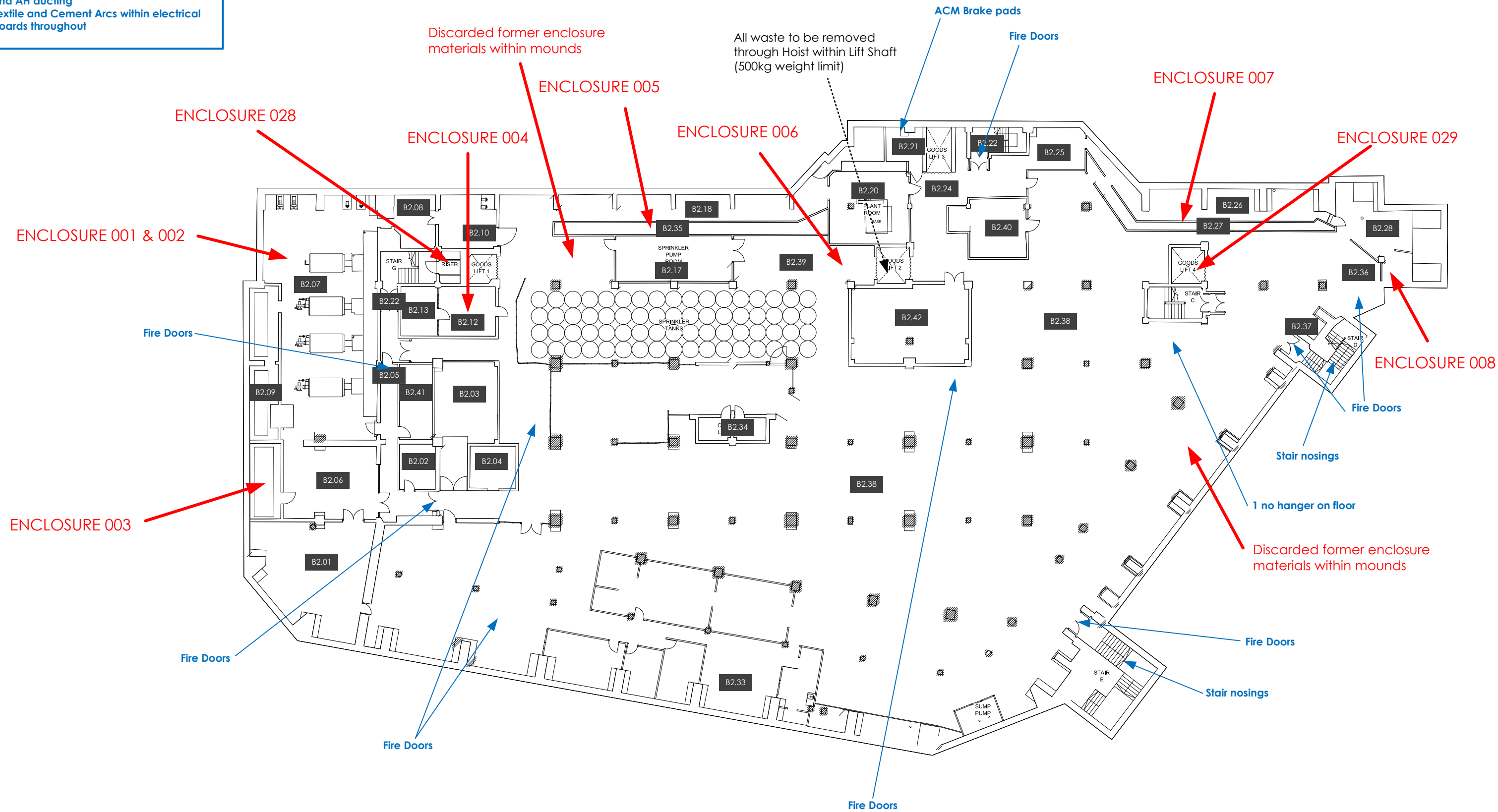
**FLOOR CONTAINS HERITAGE
ITEMS – CARE MUST BE TAKEN
WHEN WORKING**

THROUGHOUT FLOOR

- Textile and mastic seals to AH ducting
- Textile and Cement Arcs within electrical boards throughout

THROUGHOUT FLOOR

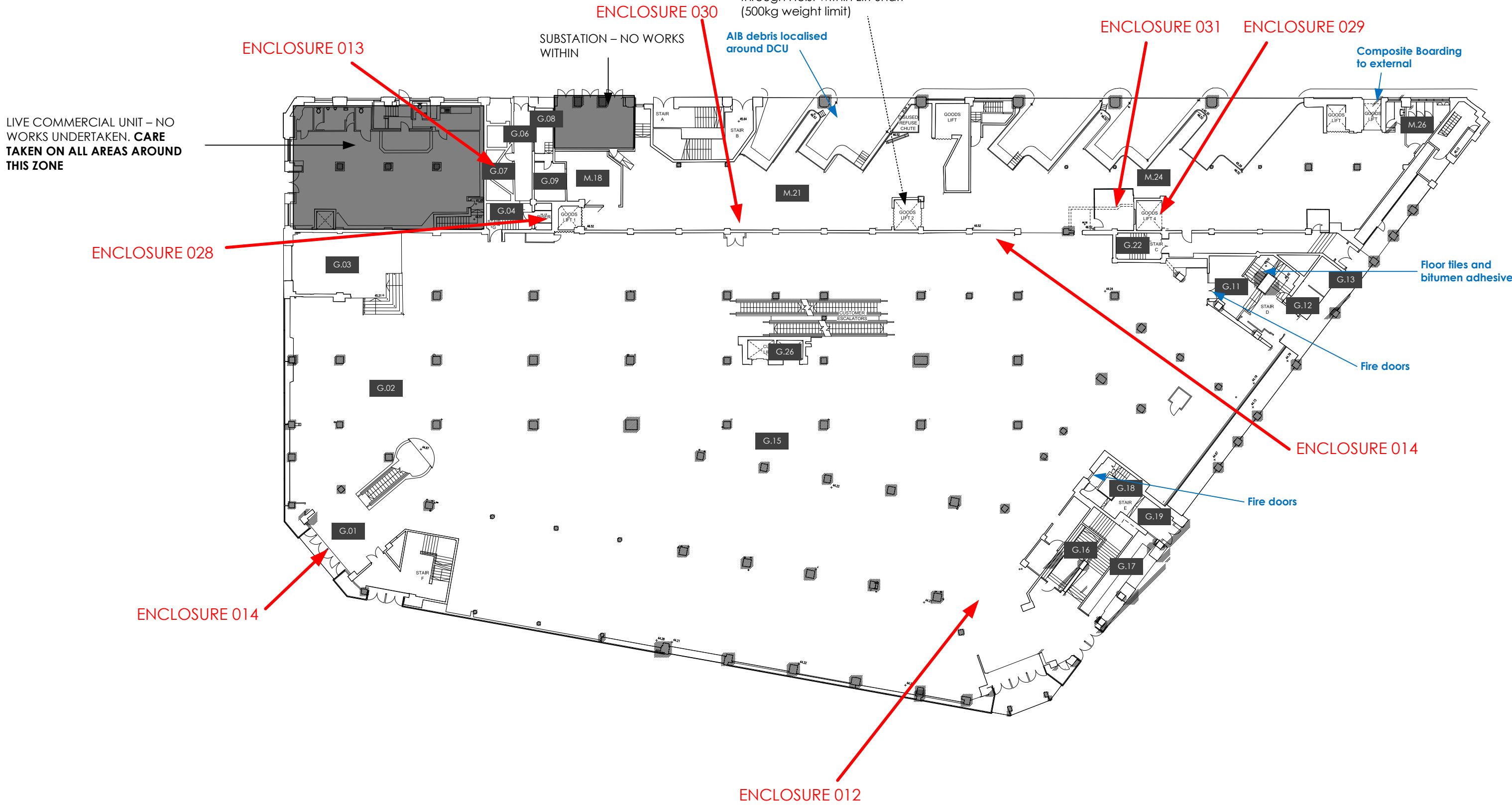
- Textile and mastic seals to tanks, boilers and AH ducting
- Textile and Cement Arcs within electrical boards throughout



**FLOOR CONTAINS HERITAGE
ITEMS – CARE MUST BE TAKEN
WHEN WORKING**

Ground floor Within marked area – See Scope of works within plan of works. Broad outline below

RYLANDS BUILDING GROUND FLOOR WORKS - ASBESTOS

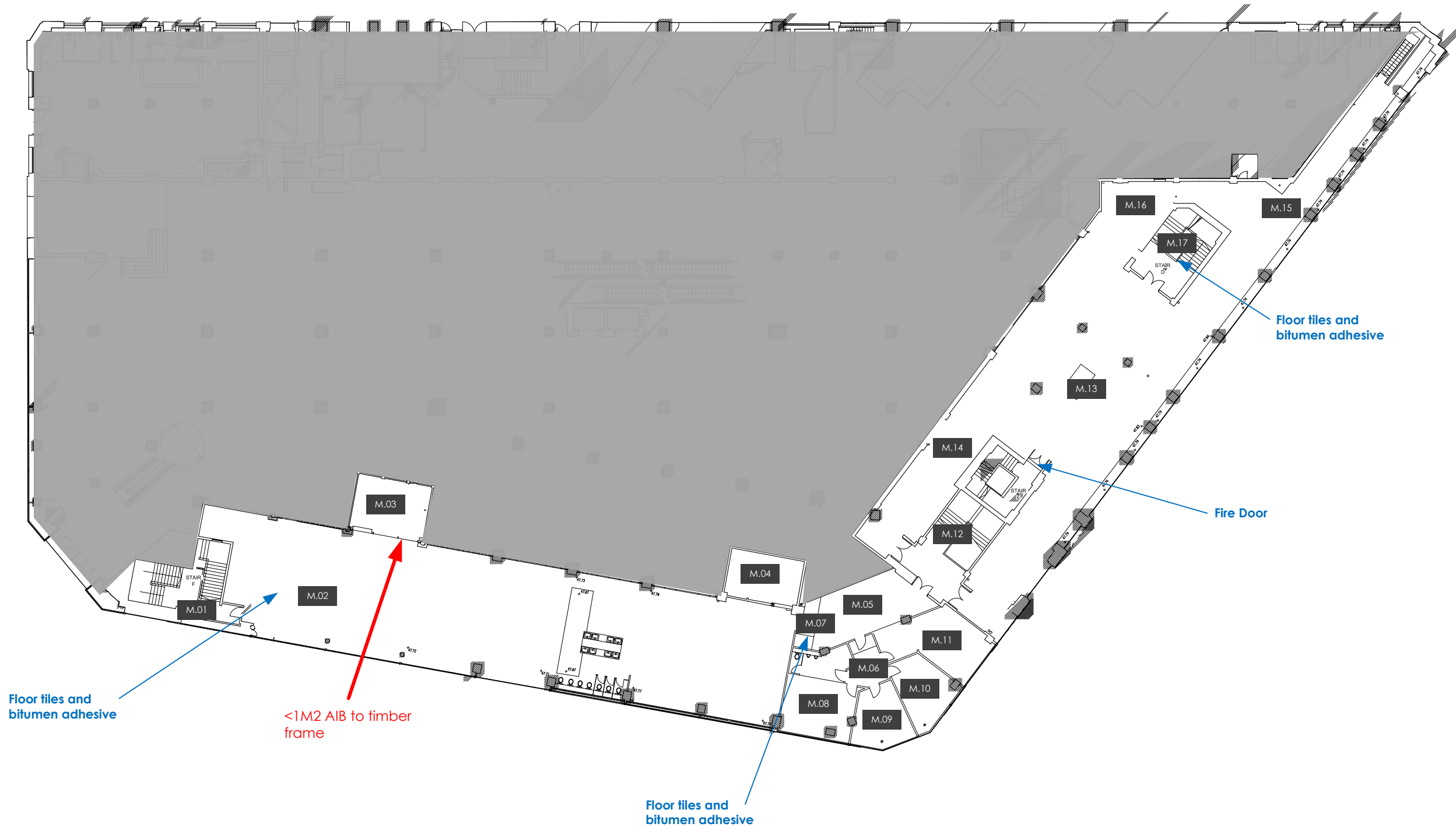


FLOOR CONTAINS HERITAGE ITEMS – CARE MUST BE TAKEN WHEN WORKING

- THROUGHOUT FLOOR
- Textile and Cement Arcs within electrical boards throughout

Mezzanine Within marked area – See
Scope of works within plan of works. Broad
outline below

RYLANDS BUILDING MEZZANINE FLOOR WORKS - ASBESTOS



FLOOR CONTAINS HERITAGE
ITEMS – CARE MUST BE TAKEN
WHEN WORKING

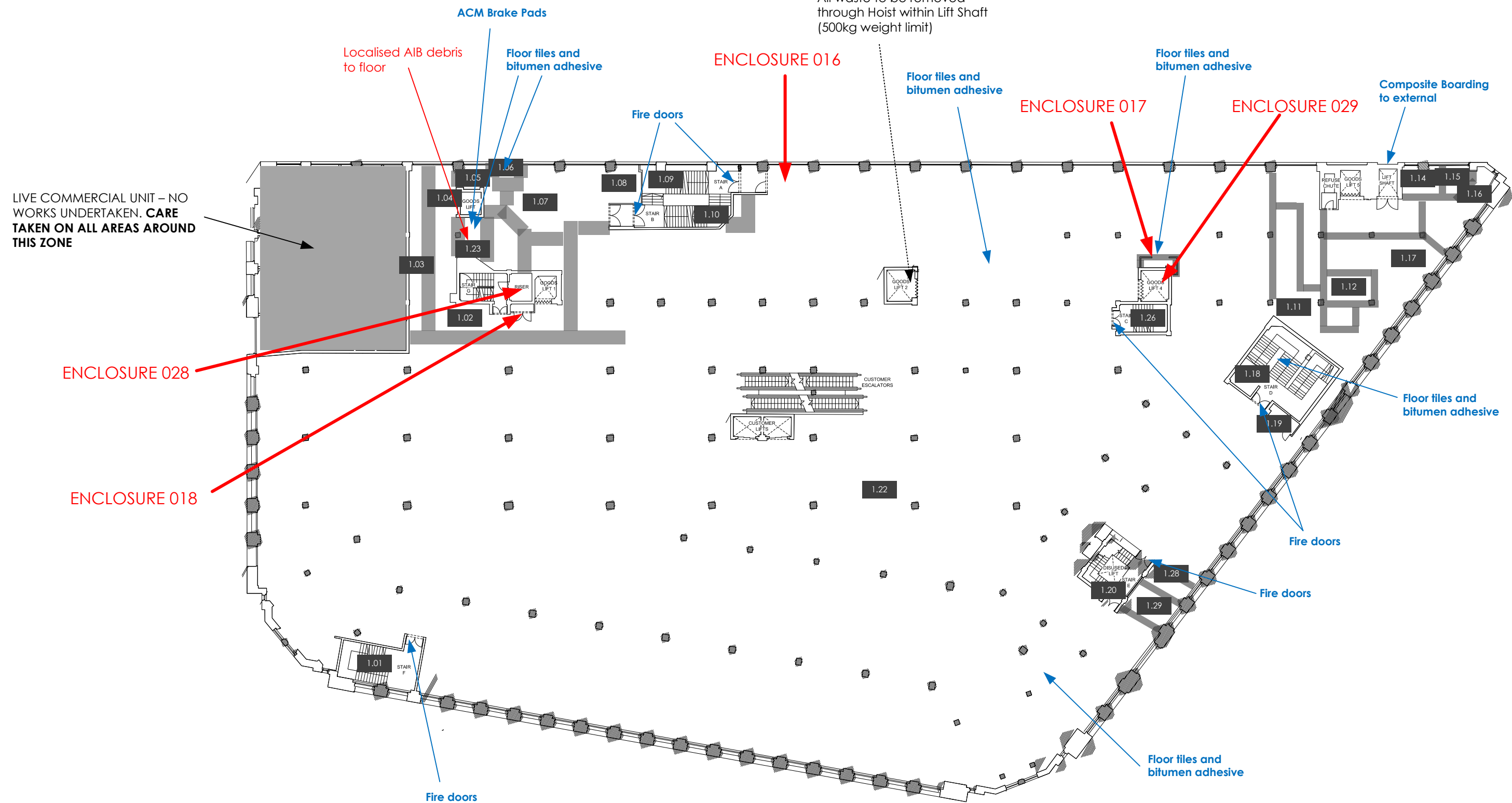
- THROUGHOUT FLOOR
- Textile and mastic seals to AH ducting
 - Textile and Cement Arcs within electrical boards throughout

First floor Within marked area – See Scope of works within plan of works. Broad outline below

RYLANDS BUILDING 1ST FLOOR WORKS - ASBESTOS

RED D²ISH VALE

All waste to be removed through Hoist within Lift Shaft (500kg weight limit)



**FLOOR CONTAINS HERITAGE
ITEMS – CARE MUST BE TAKEN
WHEN WORKING**

THROUGHOUT FLOOR

- Textile and Cement Arcs within electrical boards throughout

RYLANDS BUILDING 2ND FLOOR WORKS - ASBESTOS

REDDISH VALE

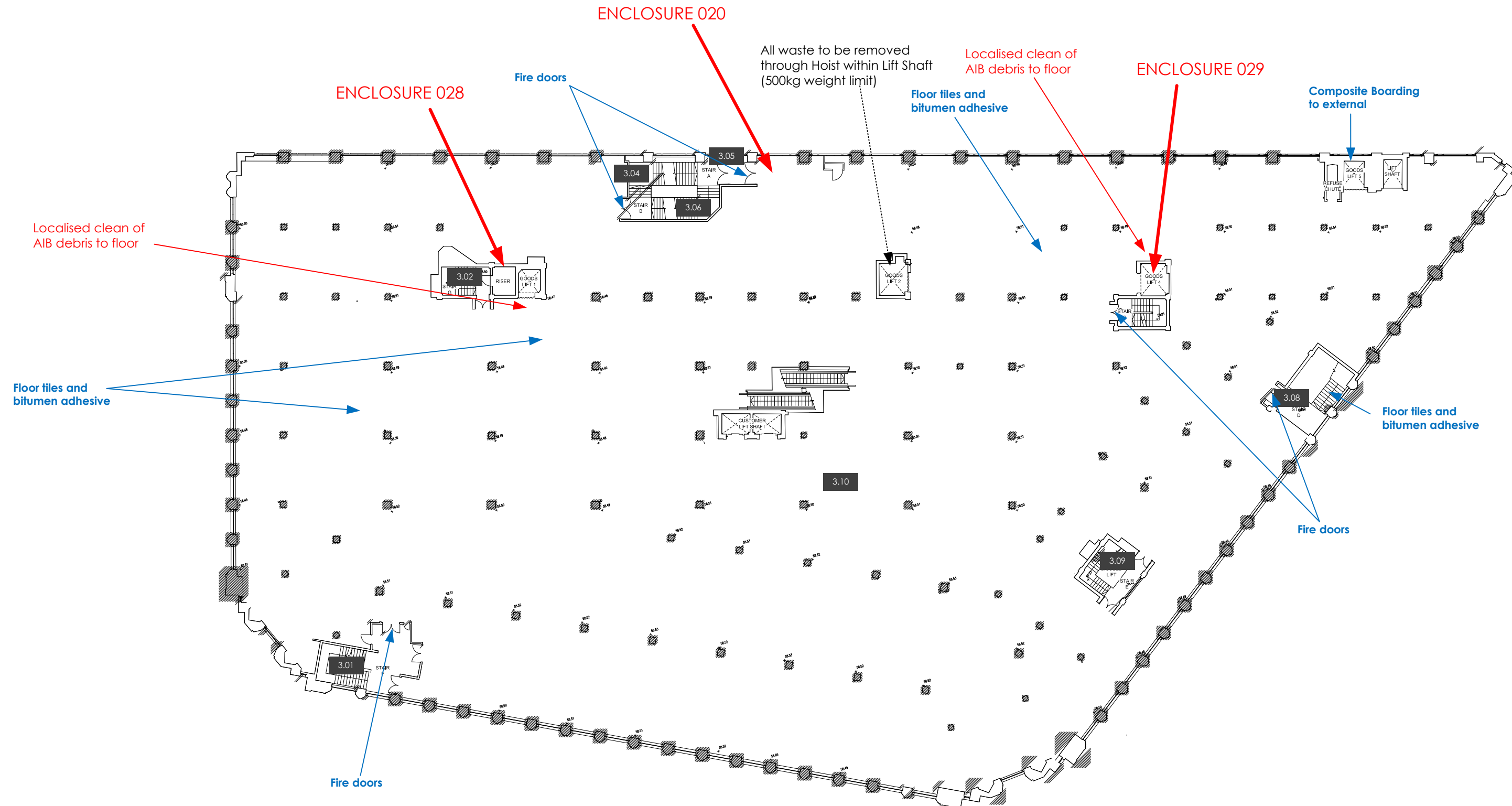


- Textile and Cement Arcs within electrical boards throughout

Third floor Within marked area – See
Scope of works within plan of works. Broad
outline below

RYLANDS BUILDING 3RD FLOOR WORKS - ASBESTOS

RED DISH VALE



**FLOOR CONTAINS HERITAGE
ITEMS – CARE MUST BE TAKEN
WHEN WORKING**

THROUGHOUT FLOOR

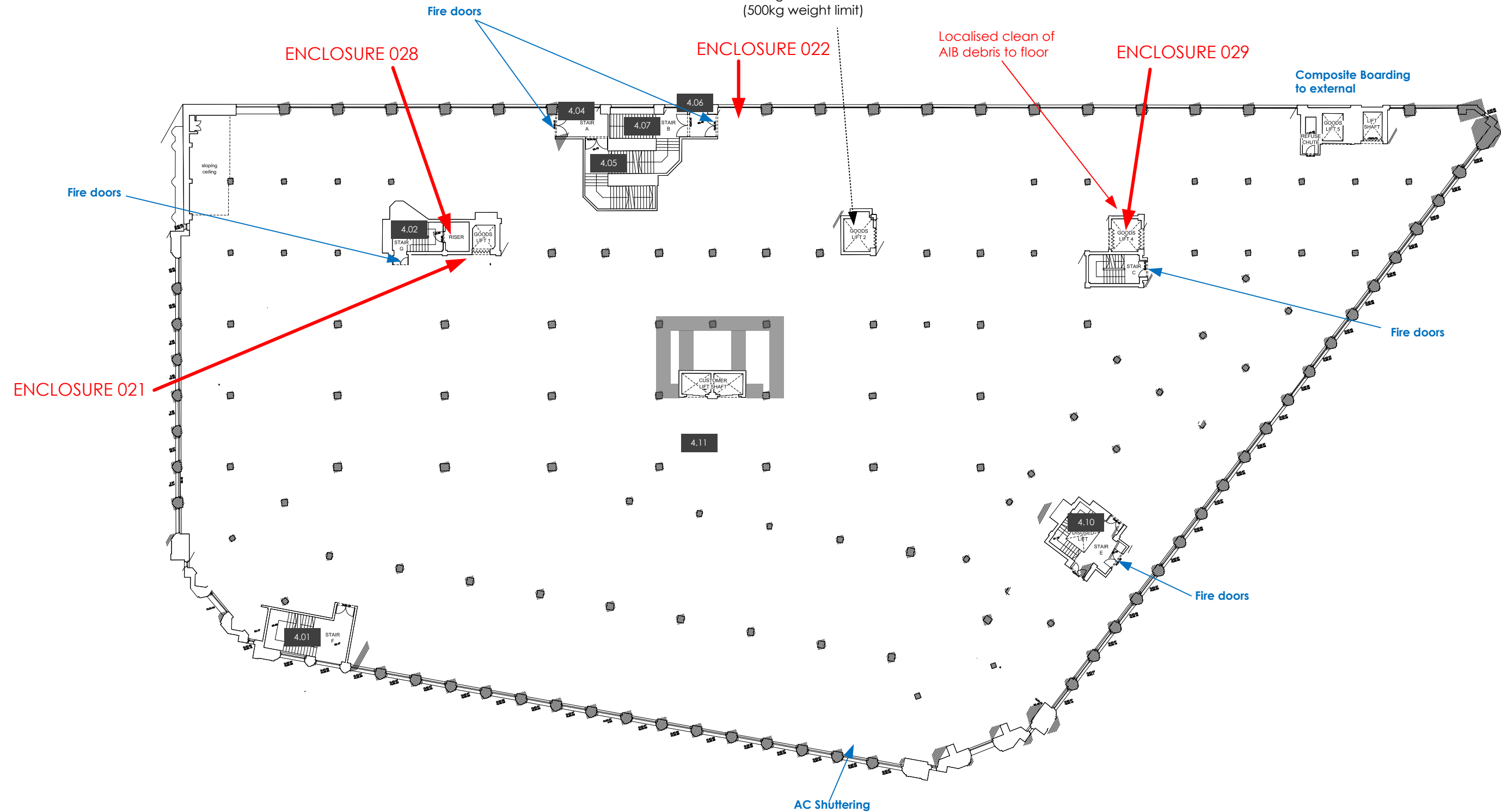
- **Textile and Cement Arcs within electrical boards throughout**

4th floor Within marked area – See Scope of works within plan of works. Broad outline below

RYLANDS BUILDING 4TH FLOOR WORKS - ASBESTOS

REDCLISH VALE

All waste to be removed through Hoist within Lift Shaft (500kg weight limit)



**FLOOR CONTAINS HERITAGE
ITEMS – CARE MUST BE TAKEN
WHEN WORKING**

THROUGHOUT FLOOR

- **Textile and Cement Arcs within electrical boards throughout**

SITE SPECIFIC PLAN OF WORKS

Vale House, Franklin Street, Oldham, OL1 2DP
Tel: 0161 688 6444, -Fax: 0161 688 6448, - Email: Info@reddishvale.co.uk

DOCUMENT DETAILS	PROJECT NUMBER:	12712 ASNL	DATE OF ISSUE:	27/02/2023
	POW SHEQ DOCUMENT NUMBER	QMS4 / D19		
	HSE LICENSE NUMBER:	842000671		
	HSE LICENSE EXPIRY DATE	26/06/2023		
	SITE SPECIFIC RISK ASSESSMENT REFERENCE		Risk1_12712ASNL	
	PLAN OF WORKS TO BE READ IN ACCORDANCE WITH STANDARD OPERATING PROCEDURES REFERENCE:		RVISPV1_22	
	PLAN OF WORKS PREPARED BY:		Roy E Tindall – Managing Director	
	CONTACT NUMBER	0161 688 6444	EMAIL ADDRESS	Roy.tindall@reddishvale.co.uk
	METHOD STATEMENT AUTHORISED BY:		John Tindall – Operations Director	
	CONTACT NUMBER	0161 688 6444	EMAIL ADDRESS	John.tindall@reddishvale.co.uk
	NONE LICENSED Non-NOTIFIABLE	✓	DATE ASBNNLW1 SUBMITTED:	
	NONE LICENSED NOTIFIABLE		VERSION:	Original
	REV NO	REVISIONS MADE	REVISION DATE:	WHO AUTHORISED REVISION
CONTRACT DETAILS	PROJECT SITE ADDRESS:		Rylands Building 3 Bridgewater Place Manchester M60 1TA	
	CLIENT DETAILS AND ADDRESS		Russell WBHO 13 Westpoint Enterprise Park, Clarence Avenue, Trafford Park, Manchester, M17 1QS	

	CLIENT SITE CONTACT DETAILS:		NAME:	Peter Girvin				
			TEL:	07392091466				
			FAX:					
			EMAIL:	PGirvin@russellwbho.co.uk				
	REDDISH VALE PROJECT MANAGER:		NAME:	John Tindall				
			CONTACT NO:	07803504644				
			EMAIL:	John.tindall@reddishvale.co.uk				
			SITE VISITS:	Start of the project and then at regular intervals throughout the works				
	REDDISH VALE SITE SUPERVISOR:		NAME:	Daniel Mchugh				
			CONTACT NO:	DM – 07912178916				
			EMAIL:	Daniel.mchugh@reddishvale.co.uk				
			SITE VISITS:	All day, every day throughout project				
	MINIMUM NUMBER OF EMPLOYEES ON SITE DURING THE WORKS:			2				
	MAXIMUM NUMBER OF EMPLOYEES ON SITE DURING THE WORKS:			10				
	START DATE:		13/03/2023		COMPLETION DATE:		18/08/2023	
	SITE WORKING HOURS:		MONDAY	07:30 – 16:00		FRIDAY	07:30 – 16:00	
			TUESDAY	07:30 – 16:00		SATURDAY	Not Applicable	
			WEDNESDAY	07:30 – 16:00		SUNDAY	Not Applicable	
			THURSDAY	07:30 – 16:00		NIGHT SHIFT	Not Applicable	
	UKAS ANALYST FOR PROJECT:				Apec Environmental			
WASTE CONTRACTOR FOR PROJECT:				Waste Wave				

ASBESTOS SURVEY INFORMATION

ASBESTOS SURVEY DETAILS (IF ANY):	SURVEYED BY:	APEC		
	REPORT REF:	CH.23.1.334-335		
	SURVEY DATE:	January 2022		
	SURVEY TYPE:	Refurbishment		
TYPE OF ASBESTOS:	EXTENT / QUANTITY:	CONTENT OF ASBESTOS:	CONDITION OF ASBESTOS:	
Asbestos Insulating Board debris	<1m ²	Amosite / Chrysotile	Poor	
Asbestos Insulating Board (Beading to doors)	145 no	Amosite / Chrysotile	Good	
Asbestos thermoplastic floor tiles and Bitumen adhesive	1130m ²	Chrysotile	Good	
Asbestos Textile / Mastics and Cement to electrical boxes	Throughout	Chrysotile	Fair	
Asbestos Textile / Mastics to AH Ducting and boilers	Throughout	Chrysotile	Good	
Asbestos Mastics to bubble lights	24no	Chrysotile	Good	
Asbestos textile pad	25no	Chrysotile	Good	
Asbestos Cement debris	70m ²	Chrysotile	Poor	
Asbestos Cement Brake shoes	22 no	Chrysotile	Good	
Asbestos Stair nosing's	48 no	Chrysotile	Good	
Asbestos Paper beneath MMMF insulation	275 linear metres	Chrysotile	Good	
Asbestos Composite Boarding	115m ²	Chrysotile	Fair	

DESCRIPTION OF WORKS

LOCATION(S) OF
ASBESTOS WORKS:

Basement -2

B2.03 CW Booster, B2.04 Tank room, B2.05 Corridor, B2.07 Boiler room, B2.09 Diesel tank room, B2.12 Store room, B2.13 Store room, B2.15 Stairwell, B2.20 Fan room, B2.21, B2.22 Circulation, B2.27 Service Cavity, B2.29 Plant area, B2.32 Stairwell E, B2.35 Service cavity, B2.36 Store area, B2.37 Stairwell D, B2.38 Basement open area, B2.39 Goods lift lobby, B2.41 Plant room

Basement -1

B.01 Stairwell F, B.02 Store room, B.03 Small retail area, B.06 Corridor, B.08 Corridor, B.09 Cleaners stores, B.10 Stairwell G, B.12 Store room, B.14 Circulation, B.15 Small retail area 2, B.16 corridor, B.18 Stairwell B, B.22 Toilets, B.26 circulation, B.30 Stairwell E, B.33 Store, B.35 Tank room, B.36 toilets, B38 toilets, B.40 customer lift room, B.44 retail area, B.45 tib st retail area, B.47 high level ceiling void, B.48 store, B.49 Stairwell C

Ground floor

G.01, G.04 Stairwell G, G.07 store, G.08 electrical room, G.10 Switch room, G.11 stairwell D, G.15 Main retail area, G.18 Stairwell E,

Mezzanine floor / Loading Bay

M.02, M.03 Plant area, M.04 Plant area 2, M.07 Staff toilets, M.14 Stairwell E, M.17 Stairwell D, M.17 Loading bay plant room, M.21 Loading bay 1, M.23 office, M.24 Loading bay area 2

First floor

1.01 Stairwell F, 1.06 Toilets, 1.09 Stairwell B, 1.10 Stairwell A, 1.12 Plant room, 1.18 Stairwell D, 1.20 Stairwell E, 1.22 Retail area, 1.23 Store, 1.24 Electric cupboard, 1.26 Stairwell C, 1.27 Riser, 1.30 Stairwell G

Second floor

2.01 Stairwell F, 2.09 Stairwell A Lobby, 2.11 Stairwell B lobby, 2.15 Stairwell D, 2.16 Main retail area, 2.18 Stairwell E, 2.20 Stairwell C

Third floor

3.01 Stairwell F, 3.02 Stairwell G, 3.04 Stairwell A, 3.05 Stairwell B lobby, 3.08 Stairwell D, 3.09 Stairwell E, 3.10 Main retail area, 3.11 Stairwell C

Fourth floor

4.02 Stairwell G, 4.04 Stairwell A Lobby, 4.06 Stairwell B Lobby, 4.07 Stairwell B, 4.09 Stairwell C, 4.10 Stairwell E, 4.11 Main retail area

	LOCATION(S) OF ASBESTOS WORKS:	Fifth floor 5.05 Stairwell A Lobby, 5.07 Stairwell B Lobby, 5.10 Stairwell C, 5.11 Stairwell E, 5.12 Main retail area, 5.13 Heritage Stairwell Sixth floor 6.03 Stairwell G, 6.05 Stairwell C, 6.06 Stairwell E, 6.08 Main retail area, 6.09 Heritage Stairwell Seventh floor (roof) 7.04 Kitchen, 7.05 Corridor, 7.08 Heritage stairwell 2, 7.12 Stairwell E, 7.13 Air handling room, 7.14 Vent room, 7.15 Lift motor room, 7.16 Lift motor room 2, 7.17 Generator room, 7.18 Generator room 2, 7.22 Plant room, 7.24 Air handling room 2, 7.28 Main floor Lifts Goods lift 5
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	SCOPE OF WORKS BEING UNDERTAKEN	Removal of Asbestos Gaskets and Mastics found to tanks and boilers throughout B2 (Various rooms) Removal of Asbestos Textile flash guards, thermoplastic backing and woven seals to electrical boxes throughout all floors (Please see marked up plan for locations) Removal of Asbestos Mastic to Bubble lights found in various locations throughout all floors. (Please see marked up plan for locations) Removal of Asbestos Textile and Mastic to existing Air handling ducting found in various locations to B2 and B1 (Please see marked up plan for locations) Removal of Asbestos Cement Brake shoes to B2.21, 1.23 Small store, 7.12 Stairwell E, 7.15 Lift motor room, 7.16 lift motor room, 7.22 Plant room, Removal of Asbestos Insulating Board beading to timber fire doors in various locations throughout all floors. (Please see marked up plan for locations). Localised Debris removal to B.31 Stairwell E, G.18 Stairwell E, 4.07 Stairwell B lobby, 5.07 Stairwell B lobby, Removal of Small amounts of localised AIB debris to loading bay Removal of Asbestos cement stair nosing's to Stairwell D and E Removal of Discard pipe hanger to floor within B2.38 basement area (See plan for approx. location) Removal of Asbestos Vinyl floor tiles and bitumen adhesive to B.03 Small retail area, B.06 Corridor, G.11 Stairwell D, M.17 stairwell D, 1.06 Toilets, 1.18 Stairwell D, 1.22 Main retail area, 1.23 Small store, 1.27 Riser, 2.15 Stairwell D, 2.16 Main retail area, 3.08 Stairwell D, 3.10 Main retail area Removal of Asbestos Bitumen adhesive only to M.02, M.07 Staff toilets, 3.10 Main retail area, Removal of Asbestos Cement debris to high level ducting within B.12 store, 7.28 Main roof Removal of Asbestos Cement flue to heater of 7.28 Main roof Removal of Asbestos Cement debris mixed within floor debris to B.15 Small retail area 2 Removal of Asbestos Paper lining to MMMF insulation to 2inch pipe at high level throughout B1 floor (Please see plan for location)
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	SCOPE OF WORKS BEING UNDERTAKEN	Removal of Asbestos textile wrap to cables within B.36 toilets, B.38 Toilets, Removal of Asbestos Cement panels to wall boxing within B.48 Store Removal of Asbestos Composite boarding to external wall to Goods lift 5
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SITE ACCESS EQUIPMENT REQUIRED	STATE ACCESS EQUIPMENT TO BE USED AND WORKING HEIGHT(IF ANY):	600X600mm Hop ups	
		Step ladders	✓
		Mobile tower scaffolds	✓
		Mobile Elevating platforms (MEWP)	✓
		Fixed scaffolding	✓
		Other – please state	
WELFARE	WELFARE TO BE USED ON SITE	Canteen	✓
		Toilets	✓
		Wash Facilities	✓
		Drying Room	✓
		Rest area	✓
	WHO IS PROVIDING THE WEFLARE		Russell WBHO

METHOD OF WORK

On arrival to site, position vehicle on car park and attend site induction off Russell WBHO site manager.

All Site operatives and visitors are to sign in and out of the designated site log book provided by Russell WBHO. Reddish Vale site supervisor to ensure this is complied with

Reddish Vale Project Manager is to convey method of work and work areas to the supervisor prior to morning briefing. The supervisor is to ensure that all operatives who attend site are fully conversant with the methods of work and risk assessment. The site supervisor is to review the risk assessment to ensure it is still valid and amend it, if new hazards are identified.

All personnel will sign the method of work and risk assessment to indicate their compliance and understanding.

A daily activity briefing will be conducted on the start of each working day to ensure that operatives are familiar with any changes to the site from the previous day and to run through the upcoming days work. Any additional information such as tool box talks are to be conducted during the DABS Briefing

WASTE

WASTE TRANSIT PROCEDURE

Reddish Vales **Standard Procedures RVISPV1_22 Section 8 (page 89 & 91)**

DESCRIBE HOW THE WASTE WILL BE PACKAGED IN THE WORK AREAS

Waste will be bagged within red asbestos bags within the work area. Waste will be double bagged in clear asbestos bag before leaving the working area

WHAT ARE THE ARRANGMENTS FOR THE WASTE ON SITE (SKIP, DEDICATED WASTE VAN, WASTE HOLDING AREA ETC)

Sealed skip

DESCRIBE THE WASTE TRANSIT ROUTE

All transit routes are to be clearly marked and designated with the use of Corex, safety barrier tape and asbestos transit route warning signs through the floor being worked on to goods lift 2 which will take the waste to the ground floor loading bay where a sealed skip will be situated

Supervisor is to inspect the transit routes on a regular basis to ensure that they are kept clear and that excessive amounts of waste are not allowed to build up.

SKIP LOCATION ON SITE

Upon its arrival place sealed skip within designated area to the Loading bay

The sealed skip is to be fenced in with the use of Heras fencing

INFO RMAT

TYPE OF DCU

Modular DCU



Self Contained DCU

	HOW WILL THE DCU BE POWERED	10Kva transformers placed on each floor
	WHERE WILL WATER BE SOURCED FOR THE DCU	25 litre water containers filled from and existing outlet to each floor
	DCU LOCATION ON SITE	Modulars on site for licensed Asbestos works can be utilised where required
GENERAL SITE INFORMATION	POWER WILL BE SOURCED FROM	10Kva transformers to each floor
	WATER WILL BE SOURCED FROM	Water outlet to each floor
	ADEQUATE LIGHTING AVAILABLE	Temporary 110v stand up or festoon, existing building will be used where required to illuminate the work areas and transit routes. The site supervisor will ensure that he inspects the ambient light levels regularly throughout the day and will ensure additional lighting installed during winter months

Removal of Asbestos Thermoplastic floor tiles and asbestos bitumen adhesive to Various areas

Work area: B.03 Small retail area, B.06 Corridor, G.11 Stairwell D, M.17 stairwell D, 1.06 Toilets, 1.18 Stairwell D, 1.22 Main retail area, 1.23 Small store, 1.27 Riser, 2.15 Stairwell D, 2.16 Main retail area, 3.08 Stairwell D, 3.10 Main retail area

For the floor tile and selected bitumen adhesive removal operatives will set up a respiratory zone to each work area. Operatives will mark out a respiratory zone 5 metres around the work area with the use of Barrier tape and will place three in one Warning signs warning of asbestos removal works around the perimeter. Operatives will enter respiratory zone wearing type 5 white overalls and an Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method.

- Operatives will spray the floor tiles with a low pressure hand held spray mixed with 1-10 solution of water and a dust suppressant solution.
- Once the area has been sprayed, operatives will lift the floor tiles carefully using suitable hand held tools such as floor scrappers or floor Mutts.
- Once lifted, operatives will place the tiles directly into red asbestos bags
- Operatives will ensure that they do not overfill bags and will place a sufficient amount of screed in each bag
- All bags will be double bagged in clear asbestos bags and transited directly to the sealed skip
- Periodic and regular spraying of the material to be undertaken at 10-minute intervals to ensure materials are kept sufficiently soaked.
- All bags will be double bagged in clear asbestos bags and transited directly to a sealed skip on site
- Once the floor tiles are removed, Operatives will extensively spray the bitumen adhesive with a hand held low pressure sprayer mixed with 1-10 solution of water (10) and a dust suppressant solution (1).
- Operatives will then scrape back the Bitumen adhesive using a TG250 floor grinder and a 5inch Hilti DG150 grinder machine
- Diamond tooling configuration will be set to suit flooring conditions following manufacturer's instructions. All machines use rotary heads (located within housing)
- Operatives will set up the floor grinder as per the manufacturer's guidelines ensuring that the dust extractor and vacuum attachments are set up.
- The area must be constantly sprayed with water to minimise dust release as well as the machine being connected to a cfm 300 vacuum for dust extraction.
- Operatives are to work the machine backwards and forwards over the floor surface multiple times ensuring all bitumen covered areas are removed
- Operatives may be required to go over the same area several times to ensure all remnants of the bitumen have been removed
- Red Asbestos bags will be attached to the Vacuum attachment and will be regularly changed throughout the works when they become full
- Rotation of use of the machine is to be undertaken after 1 hour use with no more than 5 hours use in a day to minimise exposure to HAVS
- Supervisor is to record trigger time use on designated HAV form within file
- Ear defenders are to be worn at all times whilst using Floor grinder
- Once removed operatives will set up the 5inch Hilti DG150 grinder machine and will remove the bitumen adhesive to the edges of the room
- Operatives will set up the hand grinder as per the manufacturer's guidelines ensuring that the dust extractor and vacuum attachments are set up.
- Red Asbestos bags will be attached to the Vacuum attachment and will be regularly changed throughout the works when they become full
- Rotation of use of the machine is to be undertaken after 30 minutes use with no more than 1 hour use in a day to minimise exposure to HAVS
- Supervisor is to record trigger time use on designated HAV form within file
- Ear defenders are to be worn at all times whilst using Floor grinder
- Once all waste has been, removed operatives will vacuum and wipe down all ledges, surfaces and the floor using damp cloths and H Type Vacuum cleaners ensuring no asbestos debris remain.
- The supervisor will conduct a thorough visual of the work area prior to the completion of the works

Removal of electric boxes containing asbestos textiles, Cement Arcs and composite boards

Work area: Throughout site

For the electric box removal operatives will set up a respiratory zone to each work area. Operatives will restrict access around the work area with the use of barrier tape. A three in one Warning signs warning of asbestos removal works will be placed on the perimeter. Operatives will enter respiratory zone wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method.

- Prior to the commencement of works the site supervisor will confirm that the electrical box is disconnected by confirming with Russell WBHO site manager
- Operatives will then open each box and spray the Asbestos material with a hand held sprayer containing a mixture 1-10 of water and dust suppressant solution
- Once sufficiently soaked operatives will remove disconnect the panel from the wall and place directly into red asbestos bags before double bagging into clear asbestos bags before transiting them to a sealed skip situated on site
- Operatives will then clean the immediate area with H type vacuum cleaners and damp cloths.
- The supervisor will conduct a thorough visual of the work area prior to the completion of the works

Removal of Asbestos textile rope to boiler sections

Work area: B2.07

For the Textile removal operatives will set up a respiratory zone to each work area. Operatives will restrict access around the work area with the use of barrier tape. A three in one Warning signs warning of asbestos removal works will be placed on the perimeter. Operatives will enter respiratory zone wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method

- Operatives will spray the textile rope material with a hand held sprayer containing a mixture 1-10 of water(10) and dust suppressant solution(1)
- Operatives will carefully remove the plates to the front of the boilers using hand held tools such as screw drivers and impact wrenches
- Operatives will then scrape the rope directly into red asbestos bags ensuring the material is sufficiently soaked
- Once all the rope has been removed operatives will clean the surface of the boiler section using wire brushes and hand scrapers ensuring all remnants of rope have been removed they will shadow vacuum the immediate area with H type vacuum cleaners and they undertake the cleaning and removal process
- All waste will be bagged in asbestos bags before double bagging into clear asbestos bags before transiting to the sealed skip on site
- Operatives will then clean the immediate area with H type vacuum cleaners and damp cloths.
- The supervisor will conduct a thorough visual of the work area prior to the completion of the works

Removal of Asbestos cement flue

Work area: 7.28 Main roof

For the Cement flue removal operatives will set up a respiratory zone to each work area. Operatives will restrict access around the work area with the use of barrier tape. A three in one Warning signs warning of asbestos removal works will be placed on the perimeter. Operatives will enter respiratory zone wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method

- Operatives will spray the Flue with a hand held low pressure sprayer mixed with 1-10 solution of water (10) and a dust suppressant solution (1).
- Once sufficiently soaked to the operative's discretion after approx. 2 minutes, operatives will locate the screws holding the cement flue in place
- Operatives using screw drivers or other hand held tools will remove the screws holding the flue whilst shadow vacuuming the immediate area.
- Each section of the flue will then be disconnected from the existing flue structure
- If the flue will not disconnect operatives will use claw hammers to gently break the seal at each section
- The flue will be lowered to the ground, were it will be placed into red asbestos bags ready to be double bagged into clear asbestos bags
- When all waste has been removed the area will then be fine cleaned using H Type vacuum cleaners and damp cloths ensuring no debris remains.
- The supervisor will then inspect the work area upon completion to check all debris has been removed

Removal of Asbestos insulating board to fire doors (Localised debris around door in limited locations)

Work area: Various locations throughout site

Operatives wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ will begin the asbestos works using the below method.

- Operatives will firstly spray the door with a hand held spray mixed with 1-10 solution of water (10) and a dust suppressant solution (1).
- Operatives will then sheet the door completely with 1000gauge polythene sealed with 10-500 spray tak and 100mm polycloth tape and label as asbestos waste.
- Operatives will then unscrew the hinges or break the hinges to the door using hand held drills.
- Once the door has been removed from the wall it will be lowered to the floor where two man lifting will be used to transport the door to the sealed skip. Estimated weight of the door is 20Kg.
- Once completed the area will then be cleaned, operatives will vacuum and wipe down floor and surfaces around the door using damp cloths and H Type Vacuum cleaners ensuring no dust or debris remain within the area
- The supervisor will then inspect the work area to ensure no debris remains

Removal of <1m² Asbestos Insulating Board debris to floor

Work area: Loading Bay adjacent DCU

For the removal works operatives will set up a respiratory zone to the work area. Entrances to work area will be restricted by use of barrier tape and warning signs to the entrance doorway. Warning signs will be placed on all entrances warning of asbestos works. Operatives will enter respiratory zone wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method.

- Operatives will firstly spray the floor debris with a low pressure hand held sprayer mixed with 1-10 solution of water (10) and a dust suppressant solution (1).
- Once sufficiently soaked to the operative's discretion after approx. 2 minutes, operatives will using H Type vacuum cleaners will thoroughly clean the floor around the timber boardings to the floor removing all dust and debris
- Operatives will work 1.5 metres out from all marked openings to ensure any loose debris is sufficiently cleared
- The supervisor will undertake a thorough inspection upon completion

Removal of Asbestos paper lining beneath MMMF insulation to 2Inch Pipework

Work area: throughout B1 floor (Please see plan for location)

For the Paper lining removal operatives will set up a respiratory zone to each work area. Operatives will restrict access around the work area with the use of barrier tape. A three in one Warning signs warning of asbestos removal works will be placed on the perimeter. Operatives will enter respiratory zone wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method

- Mobile tower scaffolds will be used to access the pipework.
- Operatives will spray the pipework with a hand held low pressure sprayer mixed with 10-1 solution of water (10) and dust suppressant (1) to ensure materials are sufficiently soaked estimated wetting time of 2mins
- Operatives will wrap all 2" pipes in 1000gauge polythene and seal with poly cloth tape at 1 metre length. Section where cutting is to be made will be left unsealed at 50mm intervals. Existing MMMF insulation maybe removed to ensure sections are 1 metre
- All MMMF insulation removed will be bagged in red asbestos bag and double bagged in clear bag
- The pipes will be wrapped in the entirety prior to any removal commences
- Operatives will firstly begin the cut utilising a HILTI 110v reciprocating saw
- Operatives will be rotate the use of the saw after 5 minutes use with no more than 20 minutes use per day to minimize exposure to HAVs
- The pipe will be lowered to the ground by an operative (estimated weight per wrapped pipe is 5Kg)
- Once on the ground the pipe will be transited to sealed skip on site
- Supervisor is to record HAVS exposure using designated form
- A fire extinguisher will be on hand whilst cutting is being undertaken.
- SNR15 Ear defenders are to be worn in the work area whilst cutting is being undertaken
- Once completed the area will then be cleaned, operatives will vacuum and wipe down floor and surfaces around the door using damp cloths and H Type Vacuum cleaners ensuring no dust or debris remain within the area
- The supervisor will then inspect the work area to ensure no debris remains

Removal of Asbestos Cement Brake Pads

Work area: B2.21, 1.23 Small store, 7.12 Stairwell E, 7.15 Lift motor room, 7.16 lift motor room, 7.22 Plant room

For the removal works operatives will set up a respiratory zone to the work area. Entrances to work area will be restricted by use of barrier tape and warning signs to the entrance doorway. Warning signs will be placed on all entrances warning of asbestos works. Operatives will enter respiratory zone wearing type 5 white overalls and an Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method.

- Operatives will then spray the pads with a spray mixed with 1-10 solution of water(10) and dust suppression(1)
- Once complete operatives using a lump hammer and chisel will split the pin holding the arm in place
- Operatives may need to remove additional fixings to free the arm and will take care using suitable hand held tools
- Each arm will be placed directly into red asbestos and sealed then doubled in a clear asbestos bag before being transited to the sealed skip
- Operatives will clean the immediate area using damp cloths and H Type vacuum cleaners.
- Supervisor is to check the work area upon completion

Removal of Asbestos Gaskets, mastics and textile seals to ducting

Work area: Various locations throughout site

For various removal works operatives will work in conjunction with the soft strip teams undertaking the main cutting works on large scale AHU ducting, various width pipework. The soft strip team will cut all ducting and pipework leaving joints 100mm either side of the asbestos material. The sections will be lowered to the ground. Operatives wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ will wrap the sections in 1000gauge polythene and transit to the sealed skip on site.

Removal of Asbestos Stair nosing's

Work area: Stairwell D and E

For the removal works operatives will set up a respiratory zone to the work area. Entrances to work area will be restricted by use of barrier tape and warning signs to the entrance doorway. Warning signs will be placed on all entrances warning of asbestos works. Operatives will enter respiratory zone wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method.

- Operatives will then extensively spray the bitumen nosing with a hand held low pressure sprayer mixed with 1-10 solution of water (10) and a dust suppressant solution (1).
- Operatives using hand tools such as flat bars, hammers and screwdrivers will prize the metal fixing from the wooden step leaving the bitumen layer above intact.
- The stair nosings will then be placed into red asbestos bags and sealed.
- All bags will be double bagged in clear asbestos bags and transited directly to the sealed skip on site
- Once all waste has been removed operatives will vacuum and wipe down all ledges, surfaces and the floor using damp cloths and H Type Vacuum cleaners ensuring no asbestos debris remain.
- The supervisor will then inspect the work area upon completion

Removal of Asbestos Cement Debris to floor

Work area: B.15 Small retail area 2

For the removal works operatives will set up a respiratory zone to the work area. Entrances to work area will be restricted by use of barrier tape 5 metres around the work area and warning signs to the perimeter. Operatives will enter respiratory zone wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method.

- Operatives will then extensively spray the debris to the floor with a hand held low pressure sprayer mixed with 1-10 solution of water (10) and a dust suppressant solution (1).
- Operatives using hand tools such as shovels will remove all debris to the floor into red asbestos bags and double bagged in clear asbestos bags. Estimated weight per bag 10Kg
- Periodic spraying of the floor will be undertaken during the removal and cleaning process
- Once all waste has been, removed operatives will vacuum and wipe down the floor and adjacent surfaces using damp cloths and H Type Vacuum cleaners ensuring no asbestos debris remain.
- The supervisor will then inspect the work area upon completion

Removal of Asbestos Cement Debris to top of AH Ducting

Work area: B.12 store, 7.28 Main roof

For the removal works operatives will set up a respiratory zone to the work area. Entrances to work area will be restricted by use of barrier tape 5 metres around the work area and warning signs to the perimeter. Operatives will enter respiratory zone wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method.

- Operatives will then extensively spray the debris with a hand held low pressure sprayer mixed with 1-10 solution of water (10) and a dust suppressant solution (1).
- Operatives will vacuum and wipe down the ducting using damp cloths and H Type Vacuum cleaners ensuring no asbestos debris remain.
- The supervisor will then inspect the work area upon completion

Removal of Asbestos Textile to cable pads

Work area: B.36 toilets, B.38 Toilets,

For the removal works operatives will set up a respiratory zone to the work area. Entrances to work area will be restricted by use of barrier tape 5 metres around the work area and warning signs to the perimeter. Operatives will enter respiratory zone wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method.

- Mobile tower scaffolds will be used to access the textile material
- Prior to commencement The supervisor will confirm with Russell Site manager that the cable is disconnected
- Operatives will then spray the textile with a hand held low pressure sprayer mixed with 1-10 solution of water (10) and a dust suppressant solution (1).
- Operatives will the carefully lift the cable off the bracket to release the textile
- The textile will be lifted and placed directly into a red asbestos bag. Once the bag is full it will be double bagged in a clear asbestos bag
- Operatives will then clean the bracket using damp cloths and H Type Vacuum cleaners ensuring no asbestos debris remain.
- The supervisor will then inspect the work area upon completion

Removal of Asbestos Composite boarding to external wall to Goods lift 5

Work area: Goods lift 5

Operatives wearing type 5 white overalls and a Orinasal half face mask with an assigned protection of 2F/CM³ will begin to the asbestos works using the below method.

- Operatives will use a 30 metre MEWP on the outside of the building to access the Asbestos boarding. The MEWP will not be used in high wind times, the site supervisor to make a daily determination
- Working on one level at a time operatives will spray the board with a low-pressure hand held spray mixed with 1-10 solution of water (10) and a dust suppressant solution (1).
- Hand held tools such as flat bars and hammers will be used to carefully prize the composite board away from its fixing,
- Periodic spraying will be implemented throughout removal to keep the material sufficiently soaked.
- Each section of board will be removed intact where possible and placed in red asbestos bags and double bagged in clear asbestos bags and transited at the end of the works to the sealed skip. Estimated weight per bag is 15Kg
- Once a section has been removed, operatives will thoroughly clean the timber frame using wire brushes. All screw or nail holes will be cleaned out using hand held screw drivers
- Once works are complete per level, operatives will begin to clean the full work area with H type vacuum cleaners while wiping down all surfaces with damp cloths as they work in a methodical manner
- The supervisor will then inspect the work area upon completion to check all debris has been removed

Removal of Asbestos Cement board

Work area: B.48 store

For the removal works operatives will set up a respiratory zone to the work area. Entrances to work area will be restricted by use of barrier tape and warning signs to the entrance doorway. Warning signs will be placed on all entrances warning of asbestos works. Operatives will enter respiratory zone wearing type 5 white overalls and an Orinasal half face mask with an assigned protection of 2F/CM³ and begin to the asbestos works using the below method.

- Operatives will spray the board with a low-pressure hand held spray mixed with 1-10 solution of water (10) and a dust suppressant solution (1).
- Hand held tools such as flat bars and hammers will be used to carefully prize the ccement board away from its fixing,
- Periodic spraying will be implemented throughout removal to keep the material sufficiently soaked.
- Each section of board will be removed intact where possible and placed in red asbestos bags and double bagged in clear asbestos bags and transited at the end of the works to the sealed skip. Estimated weight per bag is 5Kg
- Once a section has been removed, operatives will thoroughly clean the timber frame using wire brushes. All screw or nail holes will be cleaned out using hand held screw drivers
- Once works are complete, operatives will begin to clean the full work area with H type vacuum cleaners while wiping down all surfaces with damp cloths as they work in a methodical manner
- The supervisor will then inspect the work area upon completion to check all debris has been removed

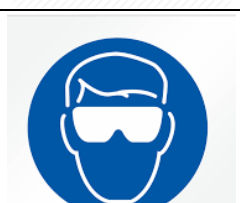
CONTROL MEASURES

ESTIMATED WORST CASE FIBRE RELEASE AND AIRBORNE FIBRE LEVELS ONCE CONTROLS ARE IN PLACE		
This is based upon the peak reading and the average 4 hour time weighted personal readings from the air monitoring dashboard		
MATERIAL	ESTIMATED FIBRE LEVEL	WORST CASE FIBRE LEVEL
Asbestos Insulating Board debris	<0.01 fibres per cm ³	0.01 fibres per cm ³
Asbestos Insulating Board (Beading to doors)	<0.01 fibres per cm ³	0.01 fibres per cm ³
Asbestos thermoplastic floor tiles	<0.01 fibres per cm ³	0.01 fibres per cm ³
Asbestos Bitumen adhesive	<0.01 fibres per cm ³	0.01 fibres per cm ³
Asbestos Textile	<0.01 fibres per cm ³	0.01 fibres per cm ³
Asbestos Mastics	<0.01 fibres per cm ³	0.01 fibres per cm ³
Asbestos Cement	<0.01 fibres per cm ³	0.01 fibres per cm ³
Asbestos Paper	<0.01 fibres per cm ³	0.01 fibres per cm ³
Asbestos Composite Boarding	<0.01 fibres per cm ³	0.01 fibres per cm ³
AIR MONITORING ARRANGEMENTS FOR THE SITE		
These are to be undertaken in line with Reddish Vale PAM Strategy and Air monitoring dashboard		
AIR MONITORING ITEM	IS IT REQUIRED	DETAILS OF WHAT IS BEING UNDERTAKEN
4 HOUR TIME WEIGHTED AVERAGE PERSONAL MONITORING – REMOVAL WORKS	✓	1 x 4 hour personal monitoring to be undertaken on various operatives on • Bitumen adhesive removal to Mezzanine level • Asbestos Paper lining using Wrap and cut method on B1
LEAK TESTING		
BACKGROUND TESTING	✓	Periodically throughout the works
REASSURANCE AIR TESTING	✓	

	STEPS TAKEN TO REDUCE EXPOSURE AND CONTROL RELEASE INTO THE ENVIRONMENT		
	DESCRIBE THE FIBRE SUPPRESSANT TECHNIQUE TO BE USED:	ESTIMATED WETTING TIME:	INDICATOR OF SATURATION:
	Greco airless spraying system / Low pressure hand held sprayers	2-3 minutes	Colour changing i.e. darkening of the asbestos product / Supervisor/operatives discretion

CONTROL MEASURES	STATE SURFACTANT TO BE USED:		BOSTIK 30-330 Dampstrip / Jenny Chem Supper Wetting Agent
	ESTIMATED USE:		20
			x 5 LITRE CONTAINERS
	HOW WILL THE EQUIPMENT BE PROTECTED/ DECONTAMINATED?:	At the end of the shift, the vac bag A determination will be made to whether the vac bag is full. If the bag is full then the H Type vacuum cleaner will be changed for a new H Type vac so that the bag can be replaced under fully controlled conditions. All equipment within the Work area is to be vacuumed off and wiped down with a damp cloth to ensure no dust or visible debris are present. All items are to be inspected during prior to leaving the work area	

RPE AND PPE	TYPE OF FULL FACE RESPIRATORS TO BE USED:		Not applicable
	PROTECTION FACTOR:		/
	TYPE OF HALF FACE RESPIRATORS TO BE USED:		SUNSTRUM SR 100 / ORI NASAL HALF MASK / SCOTT AVIVA
	PROTECTION FACTOR		2F/CM³
	OVERALLS (MIN TYPE 5 CAT 3)	STRIPPING OVERALLS	NOT APPLICABLE
		TRANSIT OVERALLS	NOT APPLICABLE
		GENERAL SITE OVERALLS / WASTE TRANSITING	WHITE
		NON NOTIFIABLE WORKS	WHITE
	WORK AREA FOOTWEAR	TRANSIT	NOT APPLICABLE
		WITHIN WORK AREA	BLACKSAFETY WELLINGTONS

RPE AND PPE	OTHER GENERAL PPE TO BE WORN ON SITE AT ALL TIMES		
	ITEM		WHEN IS IT REQUIRED TO BE WORN
		HIGH VISIBILITY CLOTHING BS EN 471	✓ To be worn whilst working on site (but not within Work area)
		HARD HATS BS EN 397	✓ To be worn whilst working on site (but not within Work area)
		SAFETY FOOTWEAR BS EN 345 SBP with ankle support	✓ To be worn whilst working on site (but not within Work area)
		SAFETY GLOVES (Gripper)	✓ To be worn whilst working on site Green Gloves – for site wear Orange gloves – for within Work area
		EYE PROTECTION	✓ To be worn when working around site To be worn when undertaking cutting works
		HEARING PROTECTION – AS REQUIRED	✓ To be worn in close proximity (Less than 5 metres from activity identified within Risk Assessment)
DETAILS OF SPECIALIST PPE: (IF APPLICABLE)		Not Applicable	

SITE HEALTH AND SAFETY INFORMATION	EMERGENCY PROCEDURES TO BE FOLLOWED	As detailed within Standard Procedures RVISpV1_22 Section 7 – Pages 81-87
	FIRE EQUIPMENT & MEANS OF RAISING THE ALARM:	Air claxons used for operatives to raise alarm, on site WES fire system will then be activated. Fire extinguishers to be kept within designated locations on site and provided by Reddish vale.
	FIRE MUSTER POINT:	Nominated location on site induction by Russell WBHO site manager
	FIRST AID PROVISIONS:	Basic first aid box to be kept on site in designated location by Reddish Vale & Russell WBHO. Russell's will also provide first aid facilities within Church St Welfare
	DESIGNATED FIRST AIDER:	Daniel Mchugh
	EMERGENCY A&E ADDRESS:	Manchester Royal Infirmary Oxford Road Manchester Greater Manchester M13 9WL
	EMERGENCY CONTACT NUMBER:	999

ISOLATIONS	ARE ISOLATIONS REQUIRED ON SITE. PLEASE INDICATE		Yes
	ITEM	IS IT REQUIRED	ANY FURTHER INFORMATION
	ELECTRIC	✓	
	WATER / HEATING SYSTEM	✓	
	GAS		
	FIRE ALARMS		
	OTHER		

	WHO WILL CARRY OUT THE ISOLATIONS	Russell WBHO
	HOW WILL THE SUPERVISOR WILL ENSURE THE ISOLATIONS HAVE BEEN UNDERTAKEN	Supervisor to receive all Purge, Degassing and isolation certificates from Russell WBHO before any works commence
	WHAT WILL BE DONE TO CONTROL WHERE SERVICES ARE STILL LIVE	Live electrical cables running through any floor plates will be tagged with "danger still live" tags as live and highlighted to the working team No Gas pipes re to be cut at all during the works

REQUIRED TRAINING	REQUIRED TRAINING FOR THE SITE WORKS. BEFORE A TASK IS UNDERTAKEN, THE SUPERVISOR IS TO ENSURE THAT THE OPERATIVE HAS THE CORRECT IN DATE TRAINING			
	Asbestos Operative (New op / Refresher)	Full / Half Face fits	Asbestos medical	CSCS Card
	✓	✓	✓	✓
	Working at Height	PASMA	IPAF	Abrasive Wheels
	✓	✓	✓	
	Manual Handling	Confined Space	Abrasive Blasting	Others
	✓			

SITE EQUIPMENT TO BE USED	EQUIPMENT TYPE	DETAILS	QUANTITY	COMMENTS
	DECONTAMINATION UNIT:	Modular DCU	1 x	
	AIR MOVERS:			
	H TYPE VACUUM CLEANERS:		5 x	
	CCTV:			
	INJECTION EQUIPMENT:			
	GENERATOR:			
	SPRAY BOTTLES:	Low pressure hand held sprayers	5x	
	110v GRECO SPRAYER	110v	1 x	
	MOBILE SCAFFOLD:		Various	
	LIGHTING:	110v stand up lights	Various	
		110v LED Festoons	Various	
	SPEED DOC AIRLOCK:			
	LEADS	110V 32amp and 16amp	Various	
	LEADS	415v 32amp and 16amp		
	SKIP	16 yard sealed	1 x	
	TRANSFORMERS	10Kva	2 x	

DEPARTURES AND REVISIONS

DEPARTURES FROM THE PLAN OF WORK (Only when authority gained from Contracts Manager)			
STANDARD PROCEDURE, VERSION & REFERENCE:		DETAILS OF VARIATION FROM STANDARD PROCEDURES IN RESPECT OF THIS JOB AS AGREED WITH RELEVANT PROJECT MANAGER (ALL OPERATIVES TO BE INFORMED BY THE SUPERVISOR)	
PLAN OF WORK REVISIONS			
THE SITE SUPERVISOR IS ONLY AUTHORISED TO MAKE ALTERATIONS TO OR DEVIATIONS FROM THIS PLAN OF WORK WHEN AGREED WITH THE CONTRACT MANAGER. A RECORD OF ANY ALTERATIONS OR DEVIATIONS MADE BY THE SITE SUPERVISOR MUST BE KEPT IN THE SITE DIARY OR RECORD SHEET FOR RETURN TO THE OFFICE AND ALL OPERATIVES INFORMED DURING DAILY ACTIVITY BRIEFINGS.			
DATE	REVISION NO.	REVISION	INITIALS

[illegible][illegible][illegible][illegible][illegible]

SITE SPECIFIC RISK ASSESSMENT

To be read in conjunction with site specific Plan of Works

Vale House, Franklin Street, Oldham, OL1 2DP

Tel: 0161 688 6444, -Fax: 0161 688 6448, - Email: Info@reddishvale.co.uk

DOCUMENT DETAILS

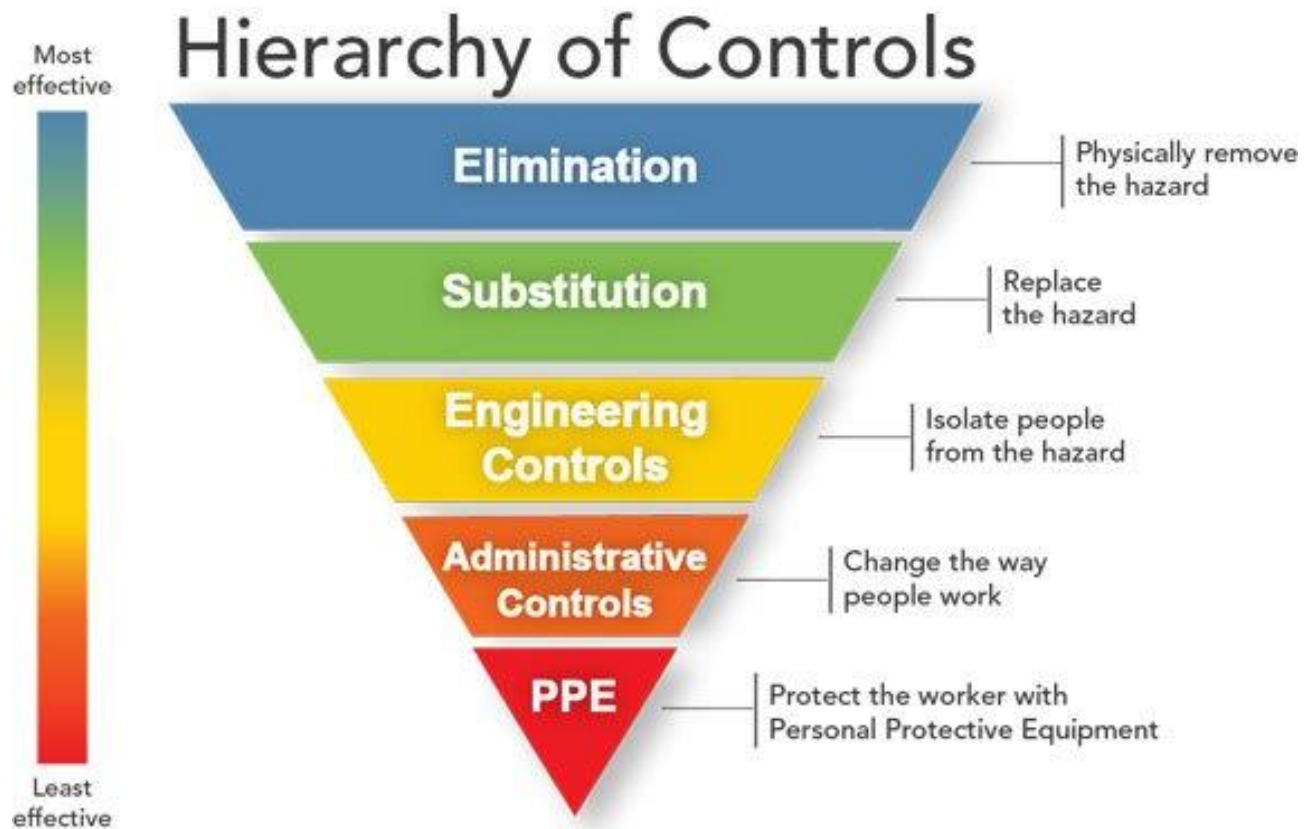
Project Address	Rylands Building 3 Bridgewater Place Manchester M60 1TA		
Project Reference	12712AS		
Date of Assessment	22/02/2023		
Date of review	13/03/2023		
Person undertaking assessment	Roy E Tindall		
Risk Assessment Document Reference	Risk1_12712ASNL		
SHEQ Document number	QMS4 / D20		
Works being undertaken	Removal of None Licensable Asbestos materials including site setup, Work area construction, removal works and de-tenting works		
Material being worked upon	Estimated fibre concentration		Material Content
Asbestos Insulating Board (Doors)	<0.01	F/ Cm ³	Amosite / Chrysotile
Asbestos Textiles / Gaskets	<0.01	F/ Cm ³	Chrysotile
Asbestos Paper	<0.01	F/ Cm ³	Chrysotile
Asbestos Cement	<0.01	F/ Cm ³	Chrysotile
Asbestos Thermoplastic floor tiles	<0.01	F/ Cm ³	Chrysotile
Asbestos Bitumen adhesive	<0.01	F/ Cm ³	Chrysotile
Asbestos Composite boarding	<0.01	F/ Cm ³	Chrysotile

	Asbestos Mastics	<0.01	F/ Cm ³	Chrysotile
	The above estimated fibre concentration is based upon the time weighted average personal monitoring from the AIR MONITORING dashboard for the identified material(s).			

Risk Assessment Scoring				
Risk Band scoring is worked out by – Firstly identify the severity of the hazard should it occur then identify the likelihood that the hazard may occur. Multiply these two numbers and assign them to the risk bank they total results in. For the residual scores it should be based upon the likelihood of an accident occurring after all control measures have been implemented. The severity of a hazard should never change due to the fact that should an accident occur it still has to the potential to cause the severity identified.				
Severity		Likelihood		Risk Band
HIGH (death, major injury requiring more than 7 days off work(RIDDOR reportable) or hospital overnight stay)	3	Certain	5	HIGH – Score 10 – 15
MEDIUM – (injury requiring less than 7 days off work, broken bones, deep lacerations or hospital visit)	2	Very likely	4	MEDIUM – Score 5 – 9
LOW – (Minor injuries, cuts, scrapes, accidents requiring on site first aid)	1	Likely	3	LOW – 0 - 4
		Unlikely	2	
		Very unlikely	1	

Risk Assessment Hierarchy of Controls

This Risk assessment has been undertaken following the below Hierarchy of controls to control the hazards on site.



IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	The use of electrically powered equipment, including powered operated tools and plant on site				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Use of electrical equipment leading to Electrocution, Burns				
	Equipment used on site	H Type Vacuum cleaners, 110v Airless sprayer, 110v stand up lights, 110v Reciprocating saw				
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	2	X	3	=	6	
	Control measures to be implemented	• Only electrically powered tools that operate from 110v are used • 10Kva transformers used to reduce building 240v to site allowed 110v • All tools are only used by trained and competent staff • Users of hand tools carry out a pre-use visual inspection • DOP tests will be present for all H Type Vacs, NPU's and DCUS present on site • Leads will not be ran through any water puddles or areas where water has gathered • 240v leads will be hung against walls or where along floor they will be wrapped within barrier tape to give visual warning • All tools are serviced as in necessary and are PAT tested on a regular basis • Defective tools are securely quarantined until repaired • Correct PPE is used for the operation of tools, ie gloves, ear and eye protection, hard hat and safety boots				
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	The use of general site tools including hand held saw, Stanley knives, hammers and staplers				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Use of hand held tools leading to Lacerations, Minor Injuries				
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	2	X	4	=	8	
	Control measures to be implemented		• All tools are to be fit for the purpose, the environment they are to be used in • Operatives are to be instructed in the correct method of use and maintenance requirements • Users of hand tools carry out a pre-use visual inspection • Operatives to ensure they do not "horse play" with hand held tools • Open-bladed knives, screwdrivers and other sharp tools are to be carried and used so as not to cause injury to the user or others. • When using open bladed knives operatives are to ensure they blades are retracted or suitable covers put over them when not in use • When using open bladed knives operatives to ensure they cut away from body • PPE (heavy duty gloves) to be worn where there is a risk of striking hands • Defective tools are securely quarantined until repaired • Correct PPE is used for the operation of tools, ie gloves, ear and eye protection, hard hat and safety boots			
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Working at height				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Fall from height or objects falling from height leading to Broken bones, Major injuries				
	Can the work be undertaken without working at height				No	
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	2	X	3	=	6	
	Control measures to be implemented	- Only competent staff are employed to work at height - Do not use hand held tools at height unless the working access is secure from fall - Ensure the correct access equipment is used for the task being carried out - A safe method is provided for getting to and from the work area - Waste material is transferred to ground level in a controlled and safe manner - Hard hats are to be worn whilst within close proximity to those working at height - Exclusions zones implemented around mobile tower scaffold users of at least 2 metres				
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Use of Step ladders				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Falls from low level height leading to cuts, scrapes and lacerations				
	Working height when in use	2 metres				
	Can the work be undertaken without working at height				Step ladders are only to be used with rooms where Mobile tower scaffolds cannot be constructed such as riser cupboards etc	
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	2	X	3	=	6	
	Control measures to be implemented		• Stepladders are only used where other safer means of access cannot be used to reach high level areas • Step ladders will be provided by a hire contractor who will have carried out sufficient checks prior to delivering • Pre- use inspections are carried out by users ensuring step ladders are stable, clean and fit for purpose • The step ladders must be set up on firm and stable ground • Operatives must check the locking mechanism of the step ladder are fixed and not damaged • Operatives are not to overload the ladder with heavy or bulky equipment / materials • Operatives are to position the step ladders facing the work and not side on • Operatives to not undertake any side on working or loading which could destabilize the step ladders • Only one person is on a step- ladder at any one time • Operatives are not to over reach from the ladders or step ladders. • Operatives are not use top 3 steps of step ladders at any time			
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard		Use of fixed scaffold forming access up to proposed work area			
	Who may be harmed		Supervisor/Operatives			
	How may they be harmed		Falls from height or collapse of scaffold leading to major injury, hospital stays and death			
	Working height when in use		28 metres			
	Can the work be undertaken without working at height			No		
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	3	X	4	=	12	
	Control measures to be implemented		- Fixed scaffolding to be erected by qualified and trained contractor only - Risk Assessment and method statement provided by High Peak Scaffolding for erection and dismantling of scaffold - Hand over Certification provided by scaffold company prior to use by Reddish Vale employees - Toe boards and guard rails in place to stop materials or persons falling. - Ladder access to be used internally to the scaffold for operatives to use - Ladders are tied into scaffold structure to ensure safe use - Appropriate signs to be in place to warn persons of danger of scaffold - Operatives are not to alter any part of the fixed scaffold at any time during use - Scaffold contractor to perform 7 day visual inspection of the scaffold and issue certification to site supervisor - All edges of scaffold poles to be secured so they do not cause harm to pedestrians			
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	3	X	1	=	3	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Use of mobile elevating work platforms (MEWPS)				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Falls from height leading to major injury, hospital stays and death				
	Working height when in use	28 metres				
	Can the work be undertaken without working at height				No	
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	3	X	4	=	12	
	Control measures to be implemented	- Only IPAF trained and authorised operators operate MEWPS at any time - MEWPS are only used on ground if level, or have been made level - MEWPS are only used if the ground is stable, firm and able to support the MEWP weight and its anticipated load/task - At the end of the working day the power supply or control panel is to be isolated to ensure it cannot be used - The safe working load of the MEWP is not to be exceeded at any time - Materials / equipment on the MEWP are to be stored in a way so as they don't fall - Pre user checks are carried out before each shift to ensure the MEWP is not damaged and is fit for the intended works - MEWP will be not be used in adverse weather conditions such as high wind (20mph) or heavy rain, assessments will be made daily on the weather to determine if it can be used.				
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	3	X	1	=	3	

IDENTIFIED HEALTH AND SAFETY HAZARD

Health/Safety Hazard	Use of pre-fabricated aluminium mobile tower scaffolds				
Who may be harmed	Supervisor/Operatives				
How may they be harmed	Falls from height or collapse of scaffold leading to major injury, broken bones or lacerations				
Working height when in use	5 metres				
Can the work be undertaken without working at height				No Mobile tower scaffolds are safest form of access	
Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
2	X	4	=	8	
Control measures to be implemented		• Mobile tower scaffolds only constructed by PASMA certified operations • A "Scaff" tag is to be issued and fitted to each scaffold when complete • No Alterations to scaffolding are to made at any time unless agreed with the site supervisor and a new scaff tag issued • Toe-boards of a minimum height of 150 mm (6 inches) are installed to all work levels • Mobile towers are only constructed on a firm level ground • Mobile towers have effective brakes which are applied at all times when the tower is not being moved • The working platform is cleared of people, materials tools etc before a mobile tower is moved • Operatives are to not at any time undertake "coasting" when moving the scaffold • Mobile towers have built-in ladder sections that are used to gain access and egress from the working platform • No operative to use the outside of the scaffold structure to gain access to the work level • Operatives are not to step on braces or over reach from the scaffold level • The safe working load of the scaffold is to not be exceeded at any time • Outriggers are fitted to mobile towers where necessary to increase stability			
Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD

Health/Safety Hazard	Manual handling of heavy awkward items whilst on site				
Who may be harmed	Supervisor/Operatives				
How may they be harmed	Long term back pains, muscular skeletal injuries, Broken bones and lacerations				
Expected items to be manually handled on site	ITEM			Anticipated weight Approx. (KG)	
	H Type Vacuum cleaners (Lifting)			18kg	
	Waste bags (Lifting)			10kg max	
	Wrapped fire doors (Lifting)			20Kg	
	General use materials such as Polythene rolls, boxes of tape and glue (Lifting)			15kg max per item	
	Modular DCU (Lifting)			22kg max per item	
	Mobile tower scaffolds (Lifting)			18Kg max per item	
	110v Floor scribbler (Push and pull)			90kg	
	10KV a site master Transformers (Lifting)			35kg	
	110v Breakers (Medium) (Lifting)			6.5Kg	
	Waste transit Bins (Push and Pull)			30kg	
Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
2	X	4	=	8	
Control measures to be implemented		- Tools box talks are to be provided on safe manual handling techniques - Operatives are to have undertaken Manual handling training - Carrying routes on site are kept clear of all slip and trip hazards and other obstructions - Heavy equipment and Vacs have fitted wheels to allow them to be wheeled around the floors instead of being carried - Equipment is to be transferred up to the floors being worked on using the on site 500Kg hoist - Supervisor to undertake regular spot checks of transit routes to ensure they are kept clear - Operatives to assess the load they are to move ensuring they only lift materials or plant they can physically lift. - Operatives are to avoid transit routes which have variations in floor levels - Where possible operatives are not to lift from the floor level. Where this has to be undertaken operatives are to ensure they do not bend their back - Waste bags are not to be overfilled and be approx. 10kg maximum - Loads will be kept to manageable weights/sizes and shape with operatives using kinetic lifting techniques			

			- Team lifting to be used if operatives cannot lift on their own or the shape of the load is unusual - Loads are to be lifted ensuring they are kept at mid level and close to the persons body - Two man lifting of all pipework to be used to transport from enclosure to skip - Trolleys or dedicated Waste bins used to transport waste over great distances and to minimise strain on operative. - When a waste bin is used two operatives to operate the bin, one will push the bin whilst the other pulls to operate the bin, one will push the bin whilst the other pulls			
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	2	X	2	=	4	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Sharp objects and General Demolition rubble to floor around site				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Lacerations, foot injuries				
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	1	X	4	=	4	
	Control measures to be implemented	- Areas to be kept clean to eliminate sharp objects from area - Supervisor to undertake regular checks of the walk ways ensuring they are free of debris - Operatives are to ensure they follow designated walk ways at all times and do not walk over demolition rubble - Adequate lighting to be installed throughout walk ways - Safety boots with steel toecaps and mid-soles provided to all workers - Supervisor to enforce PPE is worn - Waste disposed of in designated waste skips				
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	1	X	1	=	1	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Sharp objects to be grabbed or handled				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Lacerations, Eye injuries				
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	1	X	4	=	4	
	Control measures to be implemented	• Areas to be kept clean to eliminate sharp objects from area • Adequate lighting to be installed throughout work areas • Good house keeping of site to remove sharp objects from work areas when they come across them • Operatives to not "walk by" and leave any sharp objects for the next person to deal with • Use of hand shovels or other hand tools to remove any sharp objects • All operatives to wear suitable gripper gloves at all times when on site • Suitable eye protection to be worn at all times whilst on site • Supervisor to enforce PPE is worn as required				
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	1	X	1	=	1	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Use of 110v Reciprocating saw for cutting 2 -3 Inch pipework				
	Equipment Make	HILTI				
	Model number	SR30				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Lacerations, Deep cuts, major injuries or fire				
	Can the work be undertaken without use of equipment		No			
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	2	X	4	=	8	
	Control measures to be implemented	- Operators will be competent to operate reciprocating saw - The blade is to be mounted properly prior to use - Pre user checks are to be undertaken by the operator ensuring it is fit for work - Any faults are to be reported immediately - Guards are to be fitted and secured before use - PPE such as Safety gloves and safety goggles worn by operatives using equipment at all times - Avoid using blunt attachments at all times, ie if the blade damaged – change it - No other operatives to work around machine as it is in operation - A working Fire extinguisher in work area for use in emergency				
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD

Health/Safety Hazard	HAVS exposure from use of 110v Reciprocating saw for cutting 1-2 Inch pipework				
Equipment Make	HILTI				
Model number	SR30				
Who may be harmed	Supervisor/Operatives				
How may they be harmed	Hand Arm Vibration syndrome				
What is the HAV rating of the machine	13.5m/s ²				
Where has the rating been identified from	https://www.hilti.co.uk/c/CLS_POWER_TOOLS_7124/CLS_SAWS_7124/CLS_RECIPROCATING_SAWS_7124/r8627548				
How has the EAV and ELV been calculated	HSE HAVS exposure calculator				
Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
2	X	4	=	8	
Control measures to be implemented		• Tool box talk undertaken regarding the health effects on HAVS • Operatives are to rotate use of machine after a 15 minute usage period to minimise exposure and remain below EAV for a single instance • Operatives to not exceed 1 hour daily exposure to ensure the ELV is not reached or exceeded • Gripper Gloves to be used and hands kept warm at all times • Do not use excessive force on the tool, the tighter the grip the greater the vibration • Follow all safety instructions with the equipment.			
Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD

Health/Safety Hazard	Noise exposure from use of 110v Reciprocating saw for cutting 2 -3 Inch pipework												
Equipment Make	HILTI												
Model number	SR30												
Who may be harmed	Supervisor/Operatives												
How may they be harmed	Hearing injuries, Hearing Loss												
Where has the rating been identified from	https://www.hilti.co.uk/c/CLS_POWER_TOOLS_7124/CLS_SAWS_7124/CLS_RECIPROCATING_SAWS_7124/r8627548												
What is the noise rating of the machine	85dB(A)	dB at the ear (Noise rating – SNR with a variant of 4dB)		74dB									
Selected SNR Value of Protection	15												
Select a protector so that daily exposure is reduced to at least below 85 dB. Ideally, aim for between 80 and 75 at the ear. Avoid protectors resulting in less than 70 dB at the ear - this is 'over-protection'													
A-weighted noise level (dB) Select a protector with an SNR of <table border="0"> <tr> <td>85-90</td> <td>20 or less</td> </tr> <tr> <td>90-95</td> <td>20-30</td> </tr> <tr> <td>95-100</td> <td>25-35</td> </tr> <tr> <td>100-105</td> <td>30 or more</td> </tr> </table>						85-90	20 or less	90-95	20-30	95-100	25-35	100-105	30 or more
85-90	20 or less												
90-95	20-30												
95-100	25-35												
100-105	30 or more												
Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND								
2	X	5	=	10									
Control measures to be implemented		• Tool box talk undertaken regarding the health effects on Noise • Operatives operating equipment to wear suitable ear defenders whilst using the machine • Exclusion zone of 5 metres from the equipment to be implemented • Suitable ear defender to be worn when working within exclusion zones • Supervisor to enforce PPE is worn at all times • Operatives will ensure that their ear defenders are maintained and report any defects immediately to the site supervisor • Appropriate warnings signs to be placed around the perimeter of the exclusion zone											
Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND								
2	X	1	=	2									

IDENTIFIED HEALTH AND SAFETY HAZARD

Health/Safety Hazard	HAVS exposure from use of 110v Floor grinder				
Equipment Make	Trelawny				
Model number	TCG250				
Who may be harmed	Supervisor/Operatives				
How may they be harmed	Hand Arm Vibration syndrome				
What is the HAV rating of the machine	2.8m/s ²				
Where has the rating been identified from	https://smithshire.com/products/110v-250mm-diamond-floor-grinder/				
How has the EAV and ELV been calculated	HSE HAVS exposure calculator				
Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
2	X	4	=	8	
Control measures to be implemented		• Tool box talk undertaken regarding the health effects on HAVS • Operatives are to rotate use of machine after a 5 Hours usage period to minimise exposure and remain below EAV for a single instance • Operatives to not exceed 6 hours daily exposure to ensure the ELV is not reached or exceeded • Gripper Gloves to be used and hands kept warm at all times • Do not use excessive force on the tool, the tighter the grip the greater the vibration • Follow all safety instructions with the equipment.			
Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD

Health/Safety Hazard	Noise exposure from use of 110v floor grinder														
Equipment Make	Trelawny														
Model number	TCG250														
Who may be harmed	Supervisor/Operatives														
How may they be harmed	Hearing injuries, Hearing Loss														
Where has the rating been identified from	https://smithshire.com/products/110v-250mm-diamond-floor-grinder/														
What is the noise rating of the machine	98dB(A)	dB at the ear (Noise rating – SNR with a variant of 4dB)	72dB												
Selected SNR Value of Protection	30														
Select a protector so that daily exposure is reduced to at least below 85 dB. Ideally, aim for between 80 and 75 at the ear. Avoid protectors resulting in less than 70 dB at the ear - this is 'over-protection'															
<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">A-weighted noise level (dB)</td> <td style="text-align: center;">Select a protector with an SNR of</td> </tr> <tr> <td style="text-align: center;">85-90</td> <td style="text-align: center;">20 or less</td> </tr> <tr> <td style="text-align: center;">90-95</td> <td style="text-align: center;">20-30</td> </tr> <tr> <td style="text-align: center;">95-100</td> <td style="text-align: center;">25-35</td> </tr> <tr> <td style="text-align: center;">100-105</td> <td style="text-align: center;">30 or more</td> </tr> </table>						A-weighted noise level (dB)	Select a protector with an SNR of	85-90	20 or less	90-95	20-30	95-100	25-35	100-105	30 or more
A-weighted noise level (dB)	Select a protector with an SNR of														
85-90	20 or less														
90-95	20-30														
95-100	25-35														
100-105	30 or more														
Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND										
2	X	5	=	10											
Control measures to be implemented		• Tool box talk undertaken regarding the health effects on Noise • Operatives operating equipment to wear suitable ear defenders whilst using the machine • Exclusion zone of 10 metres from the equipment to be implemented • Suitable ear defender to be worn when working within exclusion zones • Supervisor to enforce PPE is worn at all times • Operatives will ensure that their ear defenders are maintained and report any defects immediately to the site supervisor • Appropriate signs to be placed around the perimeter of the exclusion zone													
Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND										
2	X	1	=	2											

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Use of 110v diamond grinder for bitumen adhesive				
	Equipment Make	HILTI				
	Model number	DG-150				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Lacerations, Deep cuts, major injuries or fire				
	Can the work be undertaken without use of equipment		No			
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	2	X	4	=	8	
	Control measures to be implemented	- Operators of the Angle grinder are to have undertaken Abrasive wheels training before use - The blade is to be mounted properly prior to use - Pre user checks are to be undertaken by the operator ensuring it is fit for work - Any faults are to be reported immediately - Guards are to be fitted and secured before use - PPE such as Safety gloves and safety goggles worn by operatives using equipment at all times - Avoid using blunt attachments at all tiles, ie if the blade damaged – change it - No other operatives to work around machine as it is in operation - A working Fire extinguisher in work area for use in emergency				
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD

Health/Safety Hazard	HAVS exposure from use of 110v Diamond grinder for bitumen adhesive				
Equipment Make	HILTI				
Model number	DG-150				
Who may be harmed	Supervisor/Operatives				
How may they be harmed	Hand Arm Vibration syndrome				
What is the HAV rating of the machine	8m/s ²				
Where has the rating been identified from	https://www.hilti.co.uk/c/CLS_POWER_TOOLS_7124/CLS_GRINDERS_SANDERS_7124/CLS_CONCRETE_GRINDERS_7124/r10283834				
How has the EAV and ELV been calculated	HSE HAVS exposure calculator				
Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
2	X	4	=	8	
Control measures to be implemented	• Tool box talk undertaken regarding the health effects on HAVS • Operatives are to rotate use of machine after 30 minutes usage period to minimise exposure and remain below EAV for a single instance • Due to use of DG 250 floor grinder Operatives to not exceed 1 hour daily exposure to ensure the ELV is not reached or exceeded • Gripper Gloves to be used and hands kept warm at all times • Do not use excessive force on the tool, the tighter the grip the greater the vibration • Follow all safety instructions with the equipment.				
Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD

Health/Safety Hazard	Noise exposure from use of 110v Diamond grinder for bitumen adhesive												
Equipment Make	HILTI												
Model number	DG-150												
Who may be harmed	Supervisor/Operatives												
How may they be harmed	Hearing injuries, Hearing Loss												
Where has the rating been identified from	https://www.hilti.co.uk/c/CLS_POWER_TOOLS_7124/CLS_GRINDERS_SANDER_S_7124/CLS_CONCRETE_GRINDERS_7124/r10283834												
What is the noise rating of the machine	98dB(A)	dB at the ear (Noise rating – SNR with a variant of 4dB)		72dB									
Selected SNR Value of Protection	30												
Select a protector so that daily exposure is reduced to at least below 85 dB. Ideally, aim for between 80 and 75 at the ear. Avoid protectors resulting in less than 70 dB at the ear - this is 'over-protection'													
A-weighted noise level (dB) Select a protector with an SNR of <table border="0"> <tr> <td>85-90</td> <td>20 or less</td> </tr> <tr> <td>90-95</td> <td>20-30</td> </tr> <tr> <td>95-100</td> <td>25-35</td> </tr> <tr> <td>100-105</td> <td>30 or more</td> </tr> </table>						85-90	20 or less	90-95	20-30	95-100	25-35	100-105	30 or more
85-90	20 or less												
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95-100	25-35												
100-105	30 or more												
Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND								
2	X	5	=	10									
Control measures to be implemented		• Tool box talk undertaken regarding the health effects on Noise • Operatives operating equipment to wear suitable ear defenders whilst using the machine • Exclusion zone of 10 metres from the equipment to be implemented • Suitable ear defender to be worn when working within exclusion zones • Supervisor to enforce PPE is worn at all times • Operatives will ensure that their ear defenders are maintained and report any defects immediately to the site supervisor • Appropriate signs to be placed around the perimeter of the exclusion zone											
Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND								
2	X	1	=	2									

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Use of 110v Medium for breaking vinyl tiles up				
	Equipment Make	HILTI				
	Model number	TE 500				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Lacerations, Deep cuts, major injuries or fire				
	Can the work be undertaken without use of equipment		No			
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	2	X	4	=	8	
	Control measures to be implemented	- Operators will be competent to operate Breaker - Pre user checks are to be undertaken by the operator ensuring it is fit for work - Any faults are to be reported immediately - Guards are to be fitted and secured before use - PPE such as Safety gloves and safety goggles worn by operatives using equipment at all times - Avoid using blunt attachments at all tiles, ie if the attachment is damaged – change it - No other operatives to work around machine as it is in operation - A working Fire extinguisher in work area for use in emergency				
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD

Health/Safety Hazard	HAVS exposure from use of 110v Medium breaker																																																																																							
Equipment Make	HILTI																																																																																							
Model number	TE500																																																																																							
Who may be harmed	Supervisor/Operatives																																																																																							
How may they be harmed	Hand Arm Vibration syndrome																																																																																							
What is the HAV rating of the machine	6.8m/s ²																																																																																							
Where has the rating been identified from	https://www.hilti.co.uk/c/CLS_POWER_TOOLS_7124/CLS_DEMOLITION_HAMMER_BREAKER_SUB_7124/CLS_DEMOLITION_HAMMER_BREAKER_7124/r7770032#nav%2Fclose																																																																																							
How has the EAV and ELV been calculated	HSE HAVS exposure calculator																																																																																							
HAND-ARM VIBRATION EXPOSURE CALCULATOR Version 4.3 January 2014 <table border="1"> <thead> <tr> <th rowspan="2">Tool or process name</th> <th rowspan="2">Vibration magnitude m/s² r.m.s.</th> <th rowspan="2">Exposure points per hour</th> <th colspan="2">Time to reach EAV 2.5 m/s² A(8)</th> <th colspan="2">Time to reach ELV 5 m/s² A(8)</th> <th colspan="2">Exposure duration</th> <th rowspan="2">Partial exposure m/s² A(8)</th> <th rowspan="2">Partial exposure points</th> </tr> <tr> <th>hours</th> <th>minutes</th> <th>hours</th> <th>minutes</th> <th>hours</th> <th>minutes</th> </tr> </thead> <tbody> <tr> <td>AG 4S-A22</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SR6-A22</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TE500</td> <td>6.8</td> <td>92</td> <td>1</td> <td>5</td> <td>4</td> <td>20</td> <td>3</td> <td>30</td> <td>4.5</td> <td>324</td> </tr> <tr> <td>SR 30</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tool or process 5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tool or process 6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> ☐ Lock Tool or process names Zoom to fit Help Reset Instructions for use: Enter vibration magnitudes and exposure durations in the white areas To calculate, press <Enter>, or move the cursor to a different cell The results are displayed in the yellow areas To clear all cells, click on the 'Reset' button Tick the 'Lock tool or process name' check box to prevent 'Reset' clearing these cells For more information, click the 'Help' button Daily exposure m/s² A(8): 4.5 Total exposure points: 324 WARNING: Exposure potentially above 5m/s²A(8) ELV (400 points)						Tool or process name	Vibration magnitude m/s ² r.m.s.	Exposure points per hour	Time to reach EAV 2.5 m/s ² A(8)		Time to reach ELV 5 m/s ² A(8)		Exposure duration		Partial exposure m/s ² A(8)	Partial exposure points	hours	minutes	hours	minutes	hours	minutes	AG 4S-A22											SR6-A22											TE500	6.8	92	1	5	4	20	3	30	4.5	324	SR 30											Tool or process 5											Tool or process 6										
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2	X	4	=	8																																																																																				
Control measures to be implemented		- Tool box talk undertaken regarding the health effects on HAVS - Operatives are to rotate use of machine after a 30 minute usage period to minimise exposure and remain below EAV for a single instance - Operatives to not exceed 3 hours 30 minutes daily exposure to ensure the ELV is not reached or exceeded - Gripper Gloves to be used and hands kept warm at all times - Do not use excessive force on the tool, the tighter the grip the greater the vibration																																																																																						
Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND																																																																																			

	2	X	1	=	2	
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IDENTIFIED HEALTH AND SAFETY HAZARD

Health/Safety Hazard	Noise exposure from use of 110v Breaker																								
Equipment Make	HILTI																								
Model number	TE500																								
Who may be harmed	Supervisor/Operatives																								
How may they be harmed	Hearing injuries, Hearing Loss																								
Where has the rating been identified from	https://www.hilti.co.uk/c/CLS_POWER_TOOLS_7124/CLS_DEMOLITION_HAMMER_BREAKER_BREAKER_7124/r7770032#nav%2Fclose																								
What is the noise rating of the machine	84dB(A)	dB at the ear (Noise rating – SNR with a variant of 4dB)	74dB																						
Selected SNR Value of Protection	15																								
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Control measures to be implemented	• Tool box talk undertaken regarding the health effects on Noise • Operatives operating equipment to wear suitable ear defenders whilst using the machine • Exclusion zone of 5 metres from the equipment to be implemented • Suitable ear defender to be worn when working within exclusion zones • Supervisor to enforce PPE is worn at all times • Operatives will ensure that their ear defenders are maintained and report any defects immediately to the site supervisor • Appropriate signs to be placed around the perimeter of the exclusion zone																								
Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND																				
2	X	1	=	2																					

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Welfare / First aid on site				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Weils Disease, Dermatitis and other contagious biological diseases				
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	2	X	5	=	10	
	Control measures to be implemented		- Operatives to ensure they adequately wash themselves (hands and face) after every shift - Supervisor to enforce that PPE is worn at all times during works - Decontamination unit on site for operatives to wash themselves - Gloves are be worn all times whether in enclosure or on site undertaking tasks to stop the exposure to diseases such as Weils - Russell's are to provide facilities on site by the time of work commencing including: - Flushing toilet - Suitable number of toilets per operatives on site - Hot and cold running water, soap, towels and full size washbasins - Drinking water - Suitable place of rest - Russells will arrange clearing and ensure the necessary electrical and heating safety checks are made - Russell WBHO and Reddish Vale Appointed first aider will be on site daily - There will be an suitably stocked first aid kit on site at all times located close to the work areas - Operatives are aware of the emergency procedures for the site - Tool box talk undertaken on first aid on site - The nearest A&E hospital is displayed within the Plan of works and briefed to the removal team during on site induction			
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Slips trips and falls from untidy work areas				
	Who may be harmed	Supervisor/Operatives/Visitors				
	How may they be harmed	Cuts, Minor injuries possible broken bones				
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	2	X	4	=	8	
	Control measures to be implemented		• Good housekeeping maintained at all times • Supervisor to ensure regular checks on all walk ways and recorded in site checks • Safe route to workplace agreed with Russell WBHO, kept free of obstructions • Transit route to be installed centrally to each floor with the use of Chapter 8 barriers or barrier tape to provide safe access throughout floor • All plant and equipment is to be stored within a designated location and kept tidy • All materials on site not being used are to be stored within a designated location and kept tidy • All waste disposed of in skip and not allowed to accumulate on or near transit routes • All walkways and work areas should be adequately lit with extra temporary 110v lighting if required • Extra lighting to be installed to site during winter months due to dark days • Safety footwear provided to all workers and worn			
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	2	X	1	=	2	

IDENTIFIED HEALTH AND SAFETY HAZARD

Health/Safety Hazard	Inhalation of Asbestos Fibres / Cross Contamination of asbestos fibres				
Who may be harmed	Supervisor/Operatives/Visitors				
How may they be harmed	Cancers, Asbestosis, Mesothelioma and Death				
Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
3	X	5	=	15	
Control measures to be implemented		• A Specific method of work is produced which will be read and understood by all site operatives prior to commencement of works • Only trained asbestos operatives (Minimum CAT B) will be used for works being undertaken • 4 hour time weighted average Personal air monitoring will be undertaken periodically through the project to ensure the working method is suitable • Leak and background air monitoring will be undertaken periodically through the project to ensure the Work area is suitable for the works being undertaken • Any breaches which occur within the Work area will immediately identified and sealed • H Type vacuum cleaners will be used to clean the work area and aid in the removal of the asbestos material • Dust suppressant sprays to be used to dampen the asbestos material prior to and during the removal • Operatives will have undertaken face fit testing for type of mask being worn prior to use on site • Assigned RPE and PPE will be worn at all times whilst removing asbestos • A fully functioning decontamination unit will be on site for the decontamination of operatives • Medicals are undertaken every two years to monitor the health of the operatives. • Waste is removed in a controlled manner which will be decontaminated prior to exit from the work area • A sealed skip will be on site to hold the waste and will be taken to a licensed tip to be disposed of			
Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
3	X	1	=	3	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Fire on Site				
	Who may be harmed	Supervisor/Operatives/Visitors				
	How may they be harmed	Burns, Asphyxiation and possible death				
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	3	X	4	=	12	
	Control measures to be implemented	- Operatives at induction are instructed on how to raise the alarm and what to do in the event of an alarm being raised - Emergency routes and exits are clearly marked and kept free of obstructions - Fire stations with mounted alarms to be positioned around site adjacent work areas - Follow site instructions for muster points and evacuation procedures. - All Combustible materials, including waste, are not allowed to accumulate - Diesel is to be stored within a bunded and locked tank at all times - Spill kits and drip trays used when filling on site equipment such as generators, compressors or MEWPS - Smoking is not permitted of any operative within any site buildings at any time of the day - All powered tools will be adequately maintained, PAT tested and used only by trained personnel - The use of water sprays to be avoided around live services				
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	3	X	1	=	3	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Unauthorised access into asbestos areas				
	Who may be harmed	Member of the public/Visitors				
	How may they be harmed	Cancers, Asbestosis, Mesothelioma and possible death				
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	3	X	4	=	12	
	Control measures to be implemented	• Ensure work area Work areas are constructed robust and designed to limit access from anybody on site • Ensure good site security at all times • Warning signs placed at entrances to work areas warning of asbestos works being undertaken • Ensure good site security by keeping access doors locked when not in use • Site to be left in a clean and safe state at the end of each day • All operatives to challenge any unidentified personnel on site and report to site supervisor				
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	3	X	1	=	3	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Contact with live services				
	Who may be harmed	Supervisor/Operatives				
	How may they be harmed	Electrocution, Burns and possible death				
	What services could be affected		Electrics Hot water system Water system			
	Initial Severity		Initial Likelihood		Total score	INITIAL RISK BAND
	3	X	4	=	12	
	Control measures to be implemented		- Supervisor to ensure all services that affect works are isolated by Russell Construction - Supervisor to confirm with Russell Construction that affected services are no longer live - Isolation / disconnection certificates to be issued by Smithland Electrical to supervisor prior to work commencement - Purging of water pipes to be undertaken prior to commencement with certification provided by Triton construction - If in doubt operatives DO NOT proceed. Inform site supervisor who liaise with client ALL GAS PIPES TO BE TREATED AS LIVE AND LEFT IN SITU. NO CUTTING UNDERTAKEN - Any live services within the work areas are to be clearly highlighted to working employees through the use of IDENTIFYING TAGS - Operatives to ensure they understand where shut off valves are prior to commencement - Permit of work to be undertaken and obtained by Russell Construction site manager in any areas identified of still being live			
	Residual Severity		Residual Likelihood		Total score	RESIDUAL RISK BAND
	3	X	1	=	3	

IDENTIFIED HEALTH AND SAFETY HAZARD	Health/Safety Hazard	Contact with Substances used for sheeting up, Removal works and de tenting operations (COSHH)			
	Who may be harmed	Supervisor/Operatives			
	How may they be harmed	Various injuries, Minor and major injuries and death			
	Initial Severity		Initial Likelihood		Total score
	3	X	4	=	12
	Control measures to be implemented	• COSHH assessments undertaken for substances used on site • Should a new substance or material be used on site, supervisor to liaise with management and not use substance until new COSHH sheet has been issued • No operatives are to use a substance on site unless COSHH sheet provided • PPE to be worn in accordance with COSHH assessments • First aid kits to be positioned on all floors including eye wash facilities • Supervisor to ensure PPE use is enforced			
	Residual Severity		Residual Likelihood		Total score
	3	X	1	=	3
INITIAL RISK BAND					
RESIDUAL RISK BAND					

RISK ASSESSMENT COMPLIANCE

ALL PERSONNEL WORKING ON THE SITE/VISITORS MUST BE ATTEND A RISK ASSESSMENT BRIEFING PRIOR TO WORKING ON OR VISITING THE SITE.

THE BRIEFING MUST BE CONDUCTED BY A COMPETENT PERSON FROM ONE OF THE FOLLOWING: SITE SUPERVISOR/PROJECT MANAGER/CONTRACT MANAGER.

Name of competent person
carrying out risk assessment
briefing

Signed:

Date:

WE, THE UNDERSIGNED, HAVE HAD A RISK ASSESSMENT BRIEFING. WE HAVE READ AND FULLY UNDERSTAND THIS RISK ASSESSMENT.

ANY QUERIES, PROBLEMS OR AREAS NOT UNDERSTOOD HAVE BEEN DISCUSSED AND CLARIFIED WITH THE SITE SUPERVISOR/ PROJECT MANAGER/CONTRACT MANAGER AS APPROPRIATE PRIOR TO SIGNING BELOW.

NAME:

SIGNED:

DATE: