

Architectural Services Department

Asbestos Investigation Report for Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay, Hong Kong

(Version 3.0)

August 2016

Certified By



(Registered Asbestos Consultant)

(Mr. KS Lee, Reg. No. 1057)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

CINOTECH accepts no responsibility for changes made to this report by third parties.

CINOTECH CONSULTANTS LIMITED

Room 1710, Technology Park

18 On Lai Street

Shatin, NT, Hong Kong

Tel: (852) 2151 2083 Fax: (852) 3107 1388

Email: info@cinotech.com.hk

TABLE OF CONTENTS

ASBESTOS INVESTIGATION REPORT

1. INTRODUCTION.....	1
1.1 BACKGROUND.....	1
1.2 SCOPE OF STUDY	1
2. CURRENT LEGISLATION & CODES OF PRACTICE.....	2
3. INFORMATION ON CONCERNED PARTIES	3
3.1 PARTICULARS OF THE OWNER'S REPRESENTATIVE	3
3.2 PARTICULARS OF THE PREMISES.....	4
3.3 PARTICULARS OF THE REGISTERED ASBESTOS CONSULTANT	5
3.4 PARTICULARS OF THE REGISTERED ASBESTOS LABORATORY	5
4. THE INVESTIGATION	5
5. SAMPLE COLLECTION AND ANALYSIS.....	7
6. INVESTIGATION RESULTS.....	10
7. HAZARD ASSESSMENT.....	16
7.1 METHODOLOGY	16
7.2 OVERALL CLASSIFICATIONS FOR THE LEVEL OF POTENTIAL DISTURBANCE.....	16
7.3 HAZARD IDENTIFICATION.....	17
8. CONCLUSIONS & RECOMMENDATIONS.....	18

LIST OF ANNEX

Annex I	Location of the Premises
Annex II	Layout Plans of the Premises
Annex III	Asbestos Sampling Location, Test Report and Photos
Annex IV	Locations of Identified ACM
Annex V	Locations of Photos Taken
Annex VI	Representative Photographs of Inspected Installations

ASBESTOS INVESTIGATION REPORT

1. INTRODUCTION

1.1 Background

- 1.1.1 The Government targets to make available the area located at the junction of Leighton Road and Caroline Hill Road in Causeway Bay (hereafter called the “Project Site”) for future development.
- 1.1.2 To make available the Project Site, all existing above-ground buildings including the Civil Aid Service (CAS) Building, ex-Electrical and Mechanical Services Department (EMSD) Headquarters, PCCW Recreation Club and Hong Kong Post Office (HKO) Recreation Club will be demolished. The Site layout is shown in **Annex I**.
- 1.1.3 Demolition work will commence in the 2nd quarter of 2017 and will be completed in the 3rd quarter of 2018. Existing superstructure to be demolished includes:
 - a 11-storey office building, a 5-storey Apprentice Workshop, a 7-storey staff quarter, three 1-storey workshops and a vehicle shelter in the ex-EMSD Headquarters;
 - a 6-storey CAS Building;
 - a 1-storey Post Office Recreation Club; &
 - a 3-storey PCCW Recreation Club
- 1.1.4 All substructure, including the 2-storey basement structures under the ex-EMSD Headquarters and CAS Building, 1-storey basement structure under the 11-storey office building at the ex-EMSD Headquarters and 1-storey basement at the HKO Recreation Club, will not be demolished.
- 1.1.5 Cinotech Consultants Limited (the Consultant) has been appointed to conduct an asbestos investigation in all areas / building within the Site to ascertain presence of any asbestos-containing materials (ACM).

1.2 Scope of Study

- 1.2.1 This Asbestos Investigation Report (AIR) aims to provide detailed results of the investigation, which covered the following aspects:
 - a) To identify, locate and estimate the quantity of accessible ACM in the subject site;
 - b) To arrange and supervise a Registered Asbestos Laboratory (RAL) to take representative samples of the suspected ACM. Confirmation analysis on these bulk samples is performed by RAL independently while the Consultant will interpret and check the integrity of the RAL analysis results;
 - c) To take representative photographs on the located ACM and include a short description of each ACM photos in the AIR;
 - d) To illustrate all identified and located ACM on our drawings;
 - e) To report the above findings in the AIR in accordance with the guidelines as laid down by the Environment Protection Department (EPD) or other Authorities in the relevant Codes of Practices

2. CURRENT LEGISLATION & CODES OF PRACTICE

2.1.1 The following lists the current local legislation and codes of practice pertaining to asbestos:

Legislation

2.1.2 There are certain government regulations regarding asbestos set down by the authorities. They are:

- 1) The Air Pollution Control Ordinance (Cap. 311), in particular the Air Pollution Control (Asbestos) Regulation.
- 2) The Waste Disposal Ordinance (Cap. 354), in particular the Waste Disposal (Chemical Waste) (General) Regulation.
- 3) Factories and Industrial Undertakings (Asbestos) Regulation.
- 4) Factories and Industrial Undertakings (Construction Site Safety) Regulations (Cap. 59).
- 5) Exempted Classes of Asbestos Work under sections 69(2) and 75(4) of the Air Pollution Control Ordinance.

Codes of Practice

2.1.3 Apart from the Control of Asbestos regulations, there is a set of Codes of Practice written in parallel giving specific guidance on how to comply with the Regulations. These codes, though themselves having no legally binding force, will form the criteria for judging compliance to the relevant regulations. The Codes of Practice currently applied by Environmental Protection Department and relevant to this project include:

- 1) Code of Practice on Asbestos Control - Preparation of Asbestos Investigation Report, Asbestos Management Plan and Asbestos Abatement Plan.
- 2) Code of Practice on Asbestos Control - Asbestos work Using Full Containment or Mini Containment Method
- 3) Code of Practice on Asbestos Control - Safe Handling of Low Risk Asbestos-containing Material.
- 4) Code of Practice on Asbestos Control - Asbestos Work Using Glove Bag Method.

2.1.4 Other Guidelines and Code of Practice currently in place that bear certain relevance to asbestos works in general:

- 1) Practice Note for Professional Persons, Environmental Protection Department, "Handling of Asbestos Containing Materials in Buildings", ProPECC PN 2/97.
- 2) Code of Practice on the Handling, Transportation and Disposal of Asbestos Wastes, Environmental Protection Department, Hong Kong.
- 3) A Reference Note on the Control of Asbestos at Work, Labour Department, Hong Kong.
- 4) The Protection of Workers' Health series on "Asbestos", Labour Department, Hong Kong.
- 5) Code of Practice - Safety and Health at Work with Asbestos, Labour Department, Hong Kong.
- 6) Guide to Occupational diseases prescribed for compensation purposes, Labour Department, Hong Kong.

3. INFORMATION ON CONCERNED PARTIES

3.1 Particulars of the Owner's Representative

Project Management	:	Architectural Services Department
Contact Person	:	Ms. LAU Pui Ling, Iris
Address	:	41/F, High Block, Queensway Government Offices, 66 Queensway, Hong Kong
Tel. No.	:	2867 5799
Fax. No.	:	2524 8447

Management Party	:	Electrical and Mechanical Services Department
Contact Person	:	Mr. LAM Chun Ming, Brian
Address	:	7/F, 3 Kai Shing Street, Kowloon, Hong Kong.
Tel. No.	:	2808 3688
Fax. No.	:	2890 7493

Management Party	:	Registration and Electoral Office
Contact Person	:	Mr. HO Cheuk Pan, Edmond
Address	:	10/ Floor, Harbour Centre, 25 Harbour Road, Wan Chai, Hong Kong.
Tel. No.	:	2511 4201
Fax. No.	:	2827 4644

Management Party	:	Civil Aid Service
Contact Person	:	Miss HUNG Wai Yan, Winnie
Address	:	Civil Aid Service Headquarters, 8 To Wah Road, Yau Ma Tei, Kowloon, Hong Kong.
Tel. No.	:	3651 9380
Fax. No.	:	2576 3021

Management Party	:	Post Office
Contact Person	:	Mr. TO Yun Fong, Billy
Address	:	5/F, Central Mail Centre, 1 Wang Chin Street, Kowloon Bay, Kowloon
Tel. No.	:	2908 0200
Fax. No.	:	2908 0099

Management Party	:	PCCW
Contact Person	:	Mr. Herrick CHONG
Address	:	-
Tel. No.	:	2809 0299
Fax. No.	:	-

3.2 Particulars of the Premises

(i) Occupancy and Building Structure

3.2.1 The premises is located at the junction of Leighton Road and Caroline Hill Road in Causeway Bay. The premises will be demolished for further development. Currently, the premises comprises of the Civil Aid Service (CAS) Building, ex-Electrical and Mechanical Services Department (EMSD) Headquarters, PCCW Recreation Club and Hong Kong Post Office (HKP) Recreation Club. The building structure is mainly reinforced concrete. The concerned area of the premises is shown in **Annex II**.

Building Structure	No. of Storeys
Ex-EMSD Headquarters	
Office Building	11
Apprentice Workshop	5
Staff Quarter	7
Workshops	1
Vehicle shelter	1
1st Basement	-
CAS Building	
CAS Building	6
1st Basement	-
2nd Basement	-
Post Office Recreation Club	
PCCW Recreation Club	3

(ii) The immediate neighbourhood

3.2.2 The immediate neighbourhood of the premises are as follows.

- North: Leishun Court, Caroline Hill Court and Lei Kwa Court (mixed uses buildings with shops on ground floor with residential units above), St. Paul's Convent and its staff quarters
- East: South China Athletic Association
- South: Silverwood, Caroline Garden, Caroline Height,
- West: Po Leung Kuk

3.3 Particulars of the Registered Asbestos Consultant

- 3.3.1 A registered asbestos consultant was appointed directly by the Owner's representative to conduct asbestos investigation works in the premises site.

Registered Asbestos Consultant : KS Lee
Registered Asbestos Consultant No. : 1057
Address : c/o Cinotech Consultants Limited
Rm. 1710 Technology Park, 18 On Lai Street, Shatin
N.T., Hong Kong
Contact Number : 2151 2091
Fax : 3107 1388
Scope of work : To conduct investigation of the premises to identify the asbestos containing materials

3.4 Particulars of the Registered Asbestos Laboratory

Name : ETS-TESTCONSULT Limited
Contact Person : Mr. Clifford Lee
Address : 8/F., Block B, Veristrong Industrial Centre, 34-36
Au Pui Wan Street, Fotan, Shatin, N.T.
Contact Number : 2695 8318
HOKLAS Registration number : No. 022
Registered Asbestos Laboratory No. : 4003
Scope of work : To perform bulk sampling and subsequent laboratory testing according to HOKLAS prescribed procedures to test for the presence of asbestos.

4. THE INVESTIGATION

- 4.1.1 The investigations were conducted on 12th, 15th, 19th, 25th, 26th of April 2016 and 12th, 13th of May 2016, and 14th of July 2016 with the aim to identify all suspected asbestos-containing structures in the premises. Accessibility was taken to be those features that the structure was either not physically blocked by other structures, available of keys for access, or structure at positions reachable by the Registered Asbestos Consultant without having to remove external building structures or without employing structural aid such as scaffolding. By this definition, no concerned area was inaccessible during the investigation. The locations of the concerned area are shown in **Annex II**.
- 4.1.2 The Hong Kong Electric Company is the occupier of the Electric Switch Room and Electrical Substations at G/F of the premises. The room was locked by the Hong Kong Electric Company who is the owner of premises for the room. Therefore, the Hong Kong Electric Company is the responsible person for conducting asbestos investigation and

necessary abatement thus the room is excluded for the asbestos survey and this AIR.

- 4.1.3 **Table 4-1** summarizes the inspected materials which are commonly found to contain asbestos. Bulk samples were collected for the materials suspected of containing asbestos based on homogeneous type for laboratory analysis and the details are described in Section 5.

Table 4-1 Summary of Inspected Materials

Inspected Items	Result of Visual Inspection	Representative Photo No.
Switch / Fuse Box with Arc Cloth	The switch/fuse boxes in various locations were opened for inspection. Suspected ACM arc cloth was identified in some old type fuse boxes.	2133, 2135 , 2369, 2379
Cable	Suspected ACM Oil Cloth of Cable were identified in the Switch Rooms of EMSD HQ	2165, 2185 & 2216
Rain water / sewage pipes	The rain water / sewage pipes were made of cast iron or PVC.	1867, 1909, 1940, 2283
3 Vertical Chiller Pipes at Ex-EMSD Headquarters	Polyfoam insulation covered by concrete, no suspected ACM	--
Grille Panels behind CAS Building at G/F	Concrete, non ACM	--
Hot Water Heater	Some water storage type electrical heather were identified at the toilets of the Quarter Building and toilets of Post Office Recreation Club. No suspected ACM is found.	2098, 2324 & 2329
Air heater	None identified in the premises	--
Air Duct Flange Gaskets	No suspected ACM air duct flange gaskets was identified in the premises	2066, 2080, 2082, 2092, 2376
Hot Water Boiler	Electrical and Towergas hot water boilers were identified at the bath room in E&M Workshops. No suspected ACM is identified.	2053, 2055, 2057
Hot water pipe	Copper hot water pipes and some with PVC lagging, No. suspected ACM is identified.	2049, 2056
Flexible Joint	Plastic or Nylon flexible joints, No. suspected ACM is identified.	2047, 2086, 2104
Fire Damper	None identified in the concerned area of the premises	--
Acoustic Plaster	None identified in the concerned area of the premises	--
Corrugated Sheets	Suspected ACM Corrugated Sheets were identified at the roof of some store rooms at the southeast boundary of EMSD workshop	2370, 2445
Kiln and Oven	None identified in the concerned area of the premises	--
Sealant through Wall	None identified in the concerned area of the premises	--
Block Wall Sealant	None identified in the concerned area of the premises	--

Inspected Items	Result of Visual Inspection	Representative Photo No.
Chiller Pipes	Foam was identified in the chiller pipes of EMSD HQ	1869
Insulation of Exhaust	The insulation of exhaust of the generator, one in the ground level of EMSD Workshops and one in the basement of EMSD HQ were suspected as ACM	2434
Flue flange	ACM flue flanges were suspected at the exhaust pipe of the two generators in ground level of EMSD Workshops and basement of the EMSD HQ	2435
Vinyl floor tile with mastic	Suspected ACM mastic for the vinyl floor tile at the EMSD HQ, the Quarter Block, the CAS Headquarters, the EMSD Workshop, and the Training Centre	2175, 2226, 2430, 2438, 2458 & 2462
Insulation board	One suspected insulation board was found inside heater box in the A/C plant Room, 6/F, CAS Headquarters	2463, 2467

The locations of photos taken are provided in Annex V. Representative photographs of inspected installations are included in Annex VI.

5. SAMPLE COLLECTION AND ANALYSIS

- 5.1.1 According to the investigation, the switch / fuse Box, oil cloth of cable, corrugated sheets, flue flange and insulation of exhaust of generator, vinyl floor tile with mastic, and insulation board were suspected to be ACM. The bulk samples were collected from the suspected ACMs. The sampling locations, laboratory test report and the photos of Phase I report are shown in Annex III. The sampling criteria are summarized in Table 5-1.

Table 5-1 Summary of Bulk Sampling Strategy

Sample Type	Surface Material	Thermal Material	Miscellaneous Material
No. of sample required to <u>negate</u> the ACM presence	<ul style="list-style-type: none"> At least 3 from each homogeneous area of $<100m^2$ 5 for area of 100 to 500 m^2 7 for area $> 500m^2$ 	<ul style="list-style-type: none"> At least 3 from any homogeneous run of pipe At least 2 from each pipe elbow, valve & flange At least 2 from any patched insulation of $<2m$ in length 	<ul style="list-style-type: none"> At least 2 for any homogeneous area and linear run of material
No. of sample required to <u>confirm</u> the ACM presence	1	1	1

- 5.1.2 These samples were tested for the presence of asbestos by ETS-Testconsult Limited using Polarised Light Microscopy (PLM) coupled with dispersion staining technique and by visual estimation for the approximate percentage by weight. The result of the sample tested in the Report of Phase I have been summarized in Table 5-2.

Table 5-2 Results of Sample Analysis

Sample Ref.	Sample Type	Sampling Location	Type of Asbestos (w/w)	Lab ID	Photo No.
S1	Oil cloth of cable	Switch Room, 9/F, EMSD Headquarters	Non-ACM	B/103/16/1	2165
S8		Switch Room, 4/F, EMSD Headquarters	Non-ACM	B/103/16/8	2185
S20		Switch Room, 1/F, EMSD Headquarters	Non-ACM	B/103/16/20	2216
S2	Vinyl floor sheet with mastic in EMSD Headquarters	Corridor, 9/F, EMSD Headquarters	1% Chrysotile (mastic below screeding)	B/103/16/2	2167
S5		Cargo lift lobby, 8/F, EMSD Headquarters	1% Chrysotile (mastic below screeding)	B/103/16/5	2177
S7		Passenger lift lobby, 4/F, EMSD Headquarters	1% Chrysotile (mastic)	B/103/16/7	2183
S14		Passenger lift lobby, 2/F, EMSD Headquarters	1% Chrysotile (mastic)	B/103/16/14	2202
S16		2/F, EMSD Headquarters	Non-ACM	B/103/16/16	2206
S17		Cargo lift lobby, 2/F, EMSD Headquarters	2% Chrysotile (mastic below screeding)	B/103/16/17	2209
S3		“DCC Ballot Box P,G” Room, 9/F, EMSD Headquarters	1% Chrysotile (mastic)	B/103/16/3	2175
S4	Vinyl floor tile with mastic in EMSD Headquarters	8/F, EMSD Headquarters	1% Chrysotile (mastic)	B/103/16/4	2173
S6		7/F, EMSD Headquarters	2% Chrysotile (mastic)	B/103/16/6	2180
S9		Store Room, 4/F, EMSD Headquarters	Non-ACM	B/103/16/9	2187
S10		4/F, EMSD Headquarters	Non-ACM	B/103/16/10	2189
S11		4/F, EMSD Headquarters	Non-ACM	B/103/16/11	2191
S12		Cargo lift lobby, 4/F, EMSD Headquarters	Non-ACM	B/103/16/12	2193
S13		3/F, EMSD Headquarters	Non-ACM	B/103/16/13	2197
S15		Pantry, 2/F, EMSD Headquarters	Non-ACM	B/103/16/15	2204
S18		Cargo lift lobby, 1/F, EMSD Headquarters	Non-ACM	B/103/16/18	2212
S19		1/F, EMSD Headquarters	Non-ACM	B/103/16/19	2214
S21		Store Room, G/F, EMSD Headquarters	Non-ACM	B/103/16/21	2219
S22		Store Room, G/F, EMSD Headquarters	Non-ACM	B/103/16/22	2221
S23		10/F, EMSD Headquarters	< 1% Chrysotile (mastic)	B/103/16/23	2226
S25		Room 603, 6/F, EMSD Headquarters	Non-ACM	B/103/16/25	2231
S26		Room 504, 5/F, EMSD Headquarters	Non-ACM	B/103/16/26	2234
S24	Arc cloth inside switch box	Chiller Plant Room, R/F, EMSD Headquarters	> 90% Chrysotile	B/103/16/24	2135

Sample Ref.	Sample Type	Sampling Location	Type of Asbestos (w/w)	Lab ID	Photo No.
S27	Vinyl floor tile with mastic on G/F, & 2/F – 5/F, Quarter Block	TSCS Team Office, G/F, Quarter Block	Non-ACM	B/103/16/27	2423
S28		AMI Office, G/F, Quarter Block	Non-ACM	B/103/16/28	2424
S29		Store Room in AMI Office, G/F, Quarter Block	Non-ACM	B/103/16/29	2425
S31		Corridor of Room 4, 2/F, Quarter Block	Non-ACM	B/103/16/31	2430
S32		Living room of Room 7, 3/F, Quarter Block	Non-ACM	B/103/16/32	2431
S33		Bedroom of Room 9, 4/F, Quarter Block	Non-ACM	B/103/16/33	2432
S34		Living room of Room 12, 5/F, Quarter Block	Non-ACM	B/103/16/34	2433
S30	Vinyl floor tile with mastic on 1/F, Quarter Block	Living room of Room 1, 1/F, Quarter Block	2% Chrysotile (mastic below screeding)	B/103/16/30	2427
S35	Rope lagging on flue of generator	EMSD Workshop	> 90% Chrysotile	B/103/16/35	2434
S36	Hard gasket at flue flange of generator	EMSD Workshop	80% Chrysotile	B/103/16/36	2435
S37	Vinyl floor tile with mastic in EMSD Workshop	Room G07, EMSD Workshop	Non-ACM	B/103/16/37	2438
S38		Room G09, EMSD Workshop	Non-ACM	B/103/16/38	2440
S39		Room G03, EMSD Workshop	Non-ACM	B/103/16/39	2441
S40	Corrugated cement sheet	Roof sheeting of DG Store, EMSD Workshop	15% Chrysotile & < 1% Crocidolite	B/103/16/40	2445
S41	Vinyl floor tile with mastic in Training Centre	Room G11, G/F. Training Centre	Non-ACM	B/103/16/41	2453
S42		Room G11, G/F. Training Centre	1% Chrysotile (mastic)	B/103/16/42	2454
S43	Vinyl floor sheet with mastic in Training Centre	1/F, Training Centre	Non-ACM	B/103/16/43	2455
S44		2/F, Training Centre	Non-ACM	B/103/16/44	2456
S45		3/F, Training Centre	Non-ACM	B/103/16/45	2457
S46		4/F, Training Centre	2% Chrysotile (mastic below screeding)	B/103/16/46	2458
S47	Vinyl floor tile with mastic in CAS Headquarters	CAS HQ canteen, 1/F, CAS Headquarters	1% Chrysotile (mastic)	B/103/16/47	2459
S48		Hall, 6/F, CAS Headquarters	3% Chrysotile (mastic), 3% Chrysotile (tile)	B/103/16/48	2462
S49	Insulation board inside heater box	A/C plant Room, 6/F, CAS Headquarters	15% Chrysotile & 1% Crocidolite	B/103/16/49	2467

6. INVESTIGATION RESULTS

- 6.1.1 Table 6-1 summarizes the ACMs identified in different areas based on the field inspection and the bulk sample analysis results. Locations of the ACMs are depicted in Annex IV. Representative photographs of these materials are shown in Annex VI.

Table 6-1 Summary of Asbestos Containing Materials Identified

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM1	Vinyl floor sheet with mastic in EMSD Headquarters	SWO Office, and passenger lift lobby on the 2/F of EMSD Headquarters	28 m ²	Homogeneous to B/103/16/14	2202	HQ0202
		Office area on the 2/F of EMSD Headquarters	715 m ²	Homogeneous to B/103/16/17	2510	HQ0203
		Cargo lift lobby on the 2/F of EMSD Headquarters	18 m ²	Homogeneous to B/103/16/17	2209	HQ0204
		Passenger lift lobby on the 4/F of EMSD Headquarters	29 m ²	Homogeneous to B/103/16/7	2183	HQ0402
		Passenger lift lobby on the 8/F of EMSD Headquarters	29 m ²	Homogeneous to B/103/16/5	1884	HQ0801
		Cargo lift lobby on the 8/F of EMSD Headquarters	18 m ²	Homogeneous to B/103/16/5	2177	HQ0803
		Office area, passenger and cargo lift lobbies on the 9/F of EMSD Headquarters	175 m ²	Homogeneous to B/103/16/2	2167	HQ0901
		Passenger lift lobby on the 10/F of EMSD Headquarters	25 m ²	Homogeneous to B/103/16/23	1859	HQ1001
		Corridor on the 10/F of EMSD Headquarters	11 m ²	Homogeneous to B/103/16/23	1857	HQ1003

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM2	Vinyl floor tile with mastic in EMSD Headquarters	Store room on the G/F of EMSD Headquarters	125 m ²	Homogeneous to B/103/16/6	2519	HQG01
		Store room on the G/F of EMSD Headquarters	50 m ²	Homogeneous to B/103/16/6	2518	HQG02
		Office area on the 1/F of EMSD Headquarters	33 m ²	Homogeneous to B/103/16/6	2007	HQ0101
		Passenger lift lobby on the 1/F of EMSD Headquarters	12 m ²	Homogeneous to B/103/16/6	1993	HQ0102
		Office area on the 1/F of EMSD Headquarters	713 m ²	Homogeneous to B/103/16/6	2515	HQ0103
		Cargo lift lobby on the 1/F EMSD Headquarters	23 m ²	Homogeneous to B/103/16/6	2516	HQ0104

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM2	Vinyl floor tile with mastic in EMSD Headquarters	Pantry on the 2/F of EMSD Headquarters	15 m ²	Homogeneous to B/103/16/6	2512	HQ0201
		Office area, passenger and cargo lift lobbies on the 3/F of EMSD Headquarters	780 m ²	Homogeneous to B/103/16/6	2509	HQ0301
		Store room on the 4/F of EMSD Headquarters	14 m ²	Homogeneous to B/103/16/6	2502	HQ0401
		Office Area on the 4/F of EMSD Headquarters	292 m ²	Homogeneous to B/103/16/6	4624	HQ0403
		Office Area on the 4/F of EMSD Headquarters	428 m ²	Homogeneous to B/103/16/6	2501	HQ0404
		Cargo lift lobby on the 4/F of EMSD Headquarters	18 m ²	Homogeneous to B/103/16/6	2505	HQ0405
		Office area on the 5/F of EMSD Headquarters	18 m ²	Homogeneous to B/103/16/6	2421	HQ0501
		Office area, passenger and cargo lift lobbies on the 5/F of EMSD Headquarters	760 m ²	Homogeneous to B/103/16/6	2530	HQ0502
		Office area, passenger and cargo lift lobbies on the 6/F of EMSD Headquarters	800 m ²	Homogeneous to B/103/16/6	2527	HQ0601
		Office area, passenger and cargo lift lobbies on the 7/F of EMSD Headquarters	770 m ²	Homogeneous to B/103/16/6	2180	HQ0701
		Office area on the 8/F of EMSD Headquarters	735 m ²	Homogeneous to B/103/16/4	2173	HQ0802
		Office area on the 9/F of EMSD Headquarters	615 m ²	Homogeneous to B/103/16/3	2175	HQ0902
		Office area on the 10/F of EMSD Headquarters	705 m ²	Homogeneous to B/103/16/23	2226	HQ1002

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM3	Vinyl floor tile with mastic on 1/F, Quarter Block	2 Bedrooms, Living Room, corridor, Store Room, Washroom, Drying Space, and Servant Room in Room 1 on the 1/F of Quarter Block	75 m ²	Homogeneous to B/103/16/30	2339	QB101
		Living Room in Room 2 on the 1/F of Quarter Block	18 m ²	Homogeneous to B/103/16/30	2341	QB102

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM4	Vinyl floor tile with mastic in Training Centre	Room G11 on the G/F of Training Centre	35 m ²	Homogeneous to B/103/16/42	2454	TCG01
		Room G11 on the G/F of Training Centre	19 m ²	Homogeneous to B/103/16/42	2366	TCG02
		Room G11 on the G/F of Training Centre	26 m ²	Homogeneous to B/103/16/42	4613	TCG03
		Room G10 on the G/F of Training Centre	129 m ²	Homogeneous to B/103/16/42	4612	TCG05

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM5	Vinyl floor sheet with mastic in Training Centre	Office / workshop area on the 1/F of Training Centre	460 m ²	Homogeneous to B/103/16/46	2346	TC101
		Office / workshop area on the 2/F of Training Centre	460 m ²	Homogeneous to B/103/16/46	2358	TC201
		Office / workshop area on the 3/F of Training Centre	462 m ²	Homogeneous to B/103/16/46	2359	TC301
		Office / workshop area on the 4/F of Training Centre	462 m ²	Homogeneous to B/103/16/46	2361	TC401

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM6	Vinyl floor tile with mastic in CAS Headquarters	Office area on the 2 nd Basement of CAS Headquarters	338 m ²	Homogeneous to B/103/16/47	4637	CASB201
		Office area on the G/F of CAS Headquarters	316 m ²	Homogeneous to B/103/16/47	4605	CASG01
		Lift lobby on the 1/F of CAS Headquarters	18 m ²	Homogeneous to B/103/16/47	2295	CAS101
		Store Room, Bar, and Anteroom on the 1/F of CAS Headquarters	35 m ²	Homogeneous to B/103/16/47	2293	CAS102
		Corridor, and Officers' Mess on the 1/F of CAS Headquarters	80 m ²	Homogeneous to B/103/16/47	0007 & 2294	CAS103
		Game Room on the 1/F of CAS Headquarters	14 m ²	Homogeneous to B/103/16/47	0006	CAS104
		Corridor, and canteen on the 1/F of CAS Headquarters	110 m ²	Homogeneous to B/103/16/47	0009	CAS105
		Lift lobby, and office area on the 2/F of CAS Headquarters	335 m ²	Homogeneous to B/103/16/47	0015 & 0016	CAS 201
		Lift lobby on the 3/F of CAS Headquarters	18 m ²	Homogeneous to B/103/16/47	0037	CAS301

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM6	Vinyl floor tile with mastic in CAS Headquarters	Office area on the 3/F of CAS Headquarters	43 m ²	Homogeneous to B/103/16/47	0034	CAS302
		Office area on the 3/F of CAS Headquarters	182 m ²	Homogeneous to B/103/16/47	0036	CAS303
		Office area on the 3/F of CAS Headquarters	92 m ²	Homogeneous to B/103/16/47	0032 & 0033	CAS304
		Lift Lobby and office area on the 4/F of CAS Headquarters	145 m ²	Homogeneous to B/103/16/48	0042 & 0043	CAS401
		Lecture rooms on the 4/F of CAS Headquarters	175 m ²	Homogeneous to B/103/16/48	0045 & 0046	CAS402
		Office area on the 4/F of CAS Headquarters	15 m ²	Homogeneous to B/103/16/48	0047	CAS403
		Lift Lobby on the 5/F of CAS Headquarters	18 m ²	Homogeneous to B/103/16/48	0053	CAS501
		Office area on the 5/F of CAS Headquarters	257 m ²	Homogeneous to B/103/16/48	0054 & 0055	CAS502
		Office area on the 5/F of CAS Headquarters	42 m ²	Homogeneous to B/103/16/48	0056	CAS503
		Office area on the 6/F of CAS Headquarters	23 m ²	Homogeneous to B/103/16/48	0086	CAS601
		Office area on the 6/F of CAS Headquarters	25 m ²	Homogeneous to B/103/16/48	0076	CAS602
		Office area on the 6/F of CAS Headquarters	24 m ²	Homogeneous to B/103/16/48	0074	CAS603
		Lift lobby on the 6/F of CAS Headquarters	18 m ²	Homogeneous to B/103/16/48	0081	CAS604
		Hall and corridor on the 6/F of CAS Headquarters	185 m ²	Homogeneous to B/103/16/48	2462	CAS605

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM7	Arc cloth inside switch box	A/C Plant & Store Room in the 1st Basement of EMSD Headquarters	2	Homogeneous to B/103/16/24	2490 & 2491	HQB103
		Main Switch Room on the G/F of EMSD Headquarters	2	Homogeneous to B/103/16/24	2482 & 2483	HQG03
		Chiller Room on the Roof of EMSD Headquarters	3	Homogeneous to B/103/16/24	2133, 2135 & 2136	HQR01
		Lift M/C & F/S Pumpo Room on the Roof of EMSD Headquarters	2	Homogeneous to B/103/16/24	2138 & 2139	HQR02
		Garage of the Workshop	2	Homogeneous to B/103/16/24	2377 & 2378	WS11

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM7	Arc cloth inside switch box	Compressor Room on the G/F of Training Centre	1	Homogeneous to B/103/16/24	2369	TCG04
		Switch Room on the 2/F of CAS Headquarters	2	Homogeneous to B/103/16/24	0018	CAS202
		Switch Room on the 3/F of CAS Headquarters	3	Homogeneous to B/103/16/24	0039	CAS305
		Switch Room on the 4/F of CAS Headquarters	3	Homogeneous to B/103/16/24	0044	CAS404
		Switch Room on the 5/F of CAS Headquarters	2	Homogeneous to B/103/16/24	4581	CAS504
		A/C Cabinet Room on the 6/F of CAS Headquarters	2	Homogeneous to B/103/16/24	0059 & 0060	CAS606
		Male Toilet on the 6/F of CAS Headquarters	3	Homogeneous to B/103/16/24	0082	CAS607
		Lift machine room on the Roof of CAS Headquarters	2	Homogeneous to B/103/16/24	4584	CASR01

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM8	Rope lagging on flue of generator (exhaust insulation of the generator)	Block A, Workshop	1.3 m (L)	Homogeneous to B/103/16/35	2434	WS9
		1st Basement, EMSD Headquarters	1.8 m (L)	Homogeneous to B/103/16/35	2476	HQB101

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM9	Hard gasket at flue flange of generator	Block A, Workshop	6	Homogeneous to B/103/16/36	2435	WS10
		1st Basement, EMSD Headquarters	7	Homogeneous to B/103/16/36	2477	HQB102

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM10	Corrugated cement sheet	Roof of a separate storage at the south-east to the Machine Shop in the Workshop	27 m ²	Homogeneous to B/103/16/40	2367	WS05
		Roof of a separate storage at the south-east to the Rooms G07, G08 & G09 in the Workshop	36 m ²	Homogeneous to B/103/16/40	2371	WS06
		Roofing at the south-east to the Rooms G01, G02, G03, G05 & G06 in the Workshop	36 m ²	Homogeneous to B/103/16/40	2372	WS07

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM10	Corrugated cement sheet	Roofing at the south-east to the Electrician Shop in the Workshop	15 m ²	Homogeneous to B/103/16/40	2446	WS08

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM11	Insulation board inside heater box	A/C plant Room, 6/F, CAS Headquarters	1.0m x 0.5m	Homogeneous to B/103/16/49	2467	CAS608

ACM Ref.	Installation Inspected	Location	Estimated Quantity	Sample Ref & Type of Asbestos	Photo No.	Location ID
ACM12	*Lift brake shoe	Lift machine room on the 10/F of EMSD Headquarters	1	N/A	4585 - 4587	HQ1004
		Lift M/C & F/S Pumpo Room on the Roof of EMSD Headquarters	1	N/A		HQR03
		Lift machine room on the Roof of Training Centre	1	N/A		TCR01
		Lift machine room on the Roof of CAS Headquarters	1	N/A		CASR02

7. HAZARD ASSESSMENT

7.1 Methodology

- 7.1.1 The hazard assessment is based on the AHERA (USEPA: Asbestos Hazard Emergency Response Act) definitions of conditions of asbestos-containing material. Based on the condition and the potential disturbance of the relative hazard ACM, the Hazard Rank in each functional space can be identified, and correspond operations or maintenance program can be designed. The decision table for the hazard ranking identification is shown in Table 7-1.

Table 7-1 The Decision Table for the Hazard Ranking Identification

ACM Condition	Potential Disturbance	Hazard Rank
Good	Low	#1
	Moderate	#2
	High	#3
Fair	Low	#4
	Moderate	#5
	High	#6
Poor	High/Moderate/Low	#7

7.2 Overall Classifications for the Level of Potential Disturbance

- 7.2.1 The overall potential disturbance to the concerned ACM items is determined using the following table:

Level of Potential Disturbance	Frequency of Potential Contact	Influence of Vibration	Potential for Air Erosion
HIGH	High	Any Value	Any Value
	Any Value	High	Any Value
	Any Value	Any Value	High
MODERATE	Moderate	Moderate or Low	Moderate or Low
	Moderate or Low	Moderate	Moderate or Low
	Moderate or Low	Moderate or Low	Moderate
LOW	Low	Low	Low

7.3 Hazard Identification

- 7.3.1 The friability, physical condition, accessibility, influence by natural & artificial ventilation for the correspond ACM reference are shown in Table 7-2.

Table 7-2 Identification of the Hazard Rank

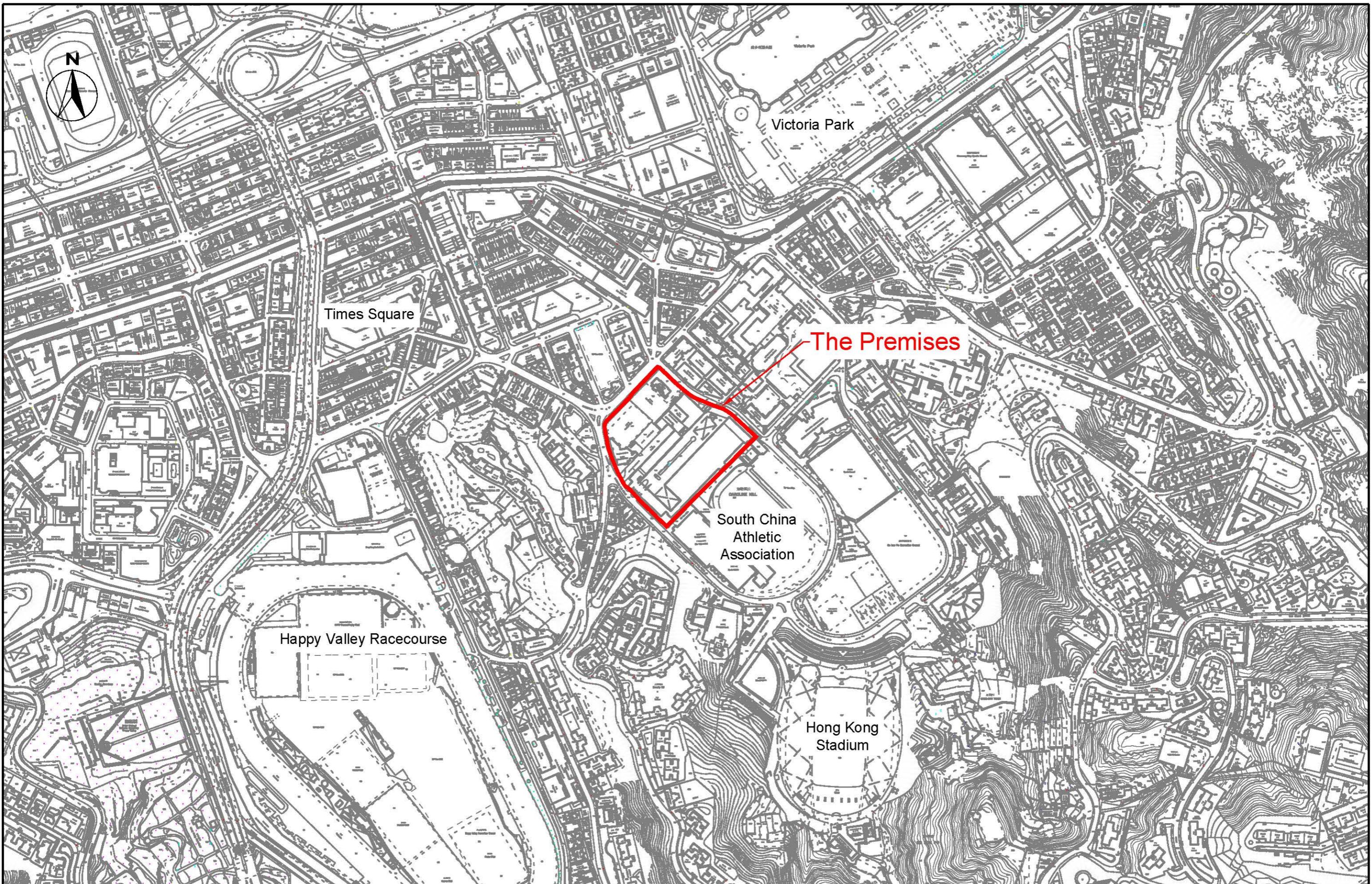
ACM Ref.	ACM Item	Friability if Disturbed	Accessibility	Influence by Natural & Artificial Ventilation	Population & Activities in Immediate Vicinity	ACM Condition	Disturbance Potential	Hazard Rank
ACM1	Vinyl floor sheet with mastic in EMSD Headquarters	Non-Friable	With aid	Low	<5 people; low	Good	Low	1
ACM2	Vinyl floor tile 12" with mastic in EMSD Headquarters	Non-Friable	With aid	Low	<5 people; low	Good	Low	1
ACM3	Vinyl floor tile 12" with mastic on 1/F, Quarter Block	Non-Friable	With aid	Low	<5 people; low	Good	Low	1
ACM4	Vinyl floor tile 12" with mastic in Training Centre	Non-Friable	With aid	Low	<5 people; low	Good	Low	1
ACM5	Vinyl floor sheet with mastic in Training Centre	Non-Friable	With aid	Low	<5 people; low	Good	Low	1
ACM6	Vinyl floor tile with mastic in CAS Headquarters	Non-Friable	With aid	Low	<5 people; low	Good	Low	1
ACM7	Arc cloth inside switch box	Friable	With aid	Low	<5 people; low	Good	Low	1
ACM8	Rope lagging on flue of generator	Friable	With aid	Low	<5 people; low	Good	Low	1
ACM9	Hard gasket at flue flange of generator	Non-Friable	With aid	Low	<5 people; low	Good	Low	1
ACM10	Corrugated cement sheet	Non-Friable	With aid	Low	<5 people; low	Good	Low	1
ACM11	Insulation board inside heater box	Non-Friable	With aid	Low	<5 people; low	Good	Low	1
ACM12	Lift brake shoe	Non-Friable	With aid	Low	<5 people; low	Good	Low	1

- 7.3.2 The hazard rank for the identified ACMs are found to be 1. No immediate action for the ACM found at the specified areas is required.

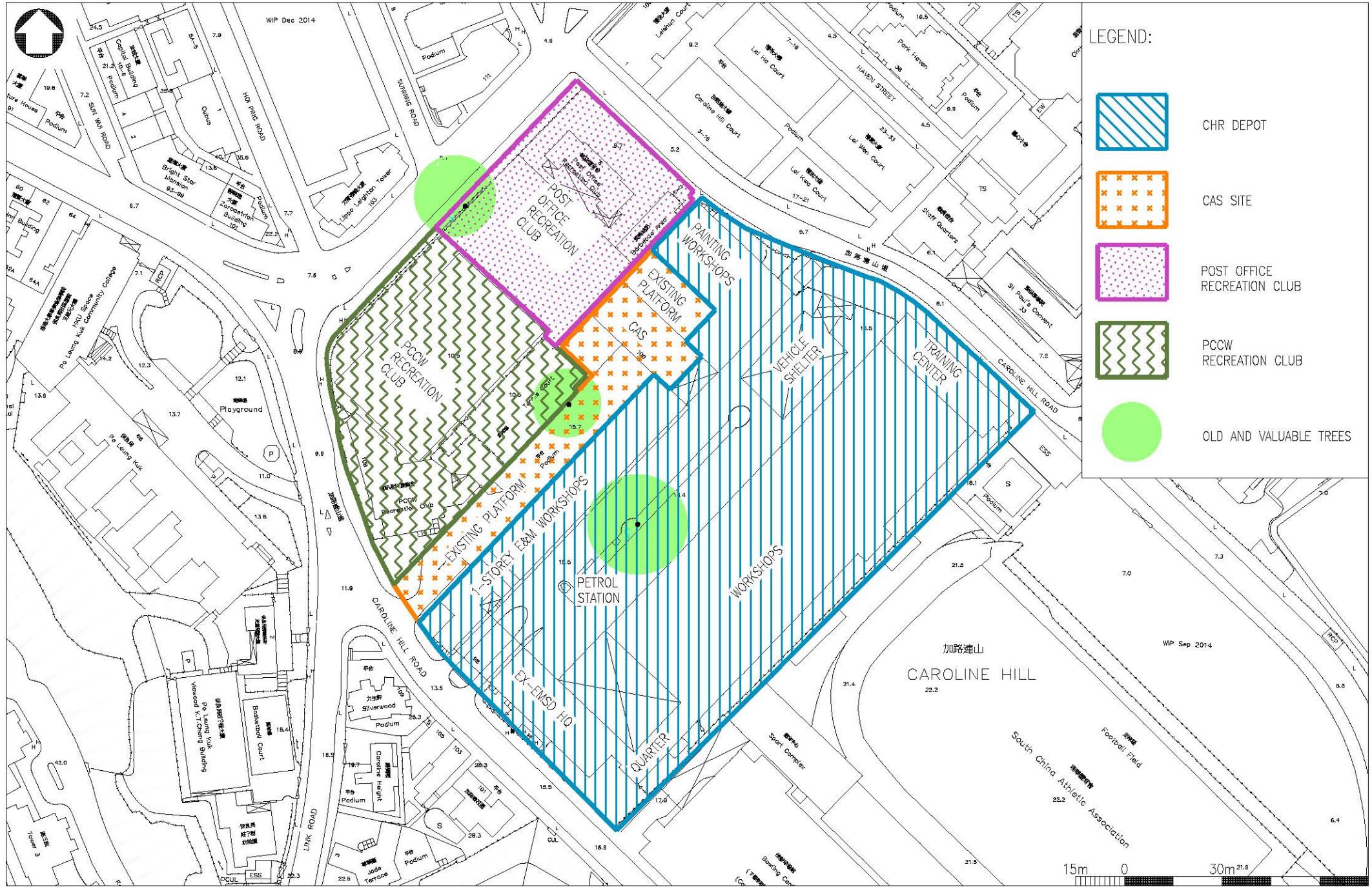
8. CONCLUSIONS & RECOMMENDATIONS

- 8.1.1 The concerned area in the premises were fully inspected. Asbestos were identified in some of the switch/fuse Boxes, corrugated sheets, flue flange and insulation of exhaust of the two generators, vinyl floor tile with mastic, and an insulation board. The lift brakes in four of the lift machine room of the premises were suspected as ACM items and should be disposed properly as asbestos waste.
- 8.1.2 Some identified ACM (e.g. exhaust pipe insulation and insulation board) are non-exempted ACM in accordance with the Gazette No. 25/1997 regarding exempted classes of asbestos work under section 75(5) of the Air Pollution Control Ordinance. Therefore, AIR and AAP are required to be submitted to the EPD's Asbestos Management Group for comment at least 28 days prior to commencement of asbestos abatement work either directly by the owner of the premises or by the Registered Asbestos Consultant on behalf of the owner of the premises.
- 8.1.3 If asbestos abatement work is proposed to be conducted, the works should be carried out by a Registered Asbestos Contractor. A notification of works using a prescribed form shall also be submitted to EPD and Labour Department 28 days prior to abatement. The former shall be submitted by the owner of premises, and the latter by the appointed Registered Asbestos Contractor.
- 8.1.4 The owner of premises should avoid any potential distribute to those identified ACM items until conducting legal asbestos abatement work by Registered Asbestos Contractor. No demolition work or associating work should be conducted by the demolition contractor for the rooms with identified or suspected ACM. The approved AIR/AAP should be provided to the property management company with details description of the control requirement to the management staffs so that they can restrict people access to the area with ACM before legal removal.
- 8.1.5 All ACM found should be handled with appropriate methodologies in order to minimise fibre generation, thus alleviating the potential risk of the material to human health down to a practical minimum.
- 8.1.6 All workers prior to working on asbestos must have valid medical certificates certifying their fitness to do asbestos abatement work. The employer should also make X-ray films available for inspection.
- 8.1.7 All asbestos wastes shall be disposed of according to the "Code of Practice on the Handling, Transportation and Disposal of Asbestos Waste" published by the EPD. The Registered Asbestos Contractor shall give notice to the Solid Waste Control Group of the EPD in a prescribed form as required under section 17 of the Waste Disposal Ordinance for dumping of asbestos waste at a Government appointed disposal site, and comply with the trip ticket system for disposal, before the commencement of asbestos abatement works. The Registered Asbestos Contractor should have registered with the EPD as waste producer and/or been licensed by the EPD as waste collector in order to dispose the asbestos wastes.

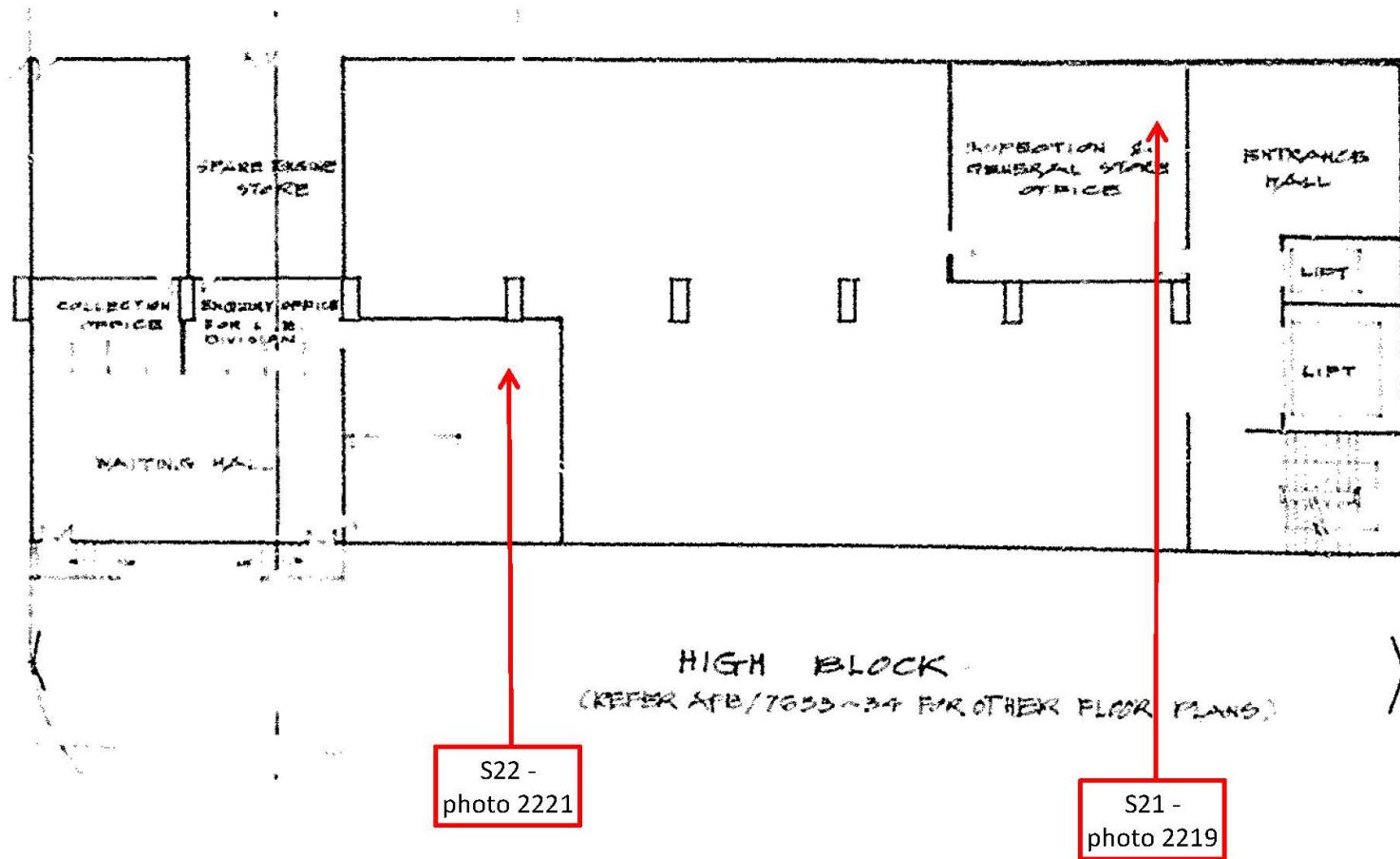
Annex I
Location of the Premises



Annex II
Layout Plans of the Premises



Annex III
Asbestos Sampling Location, Test Report
and Photos



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Sampling Location on G/F, EMSD Headquarters

Scale

N.T.S.

Project No.

AS16004

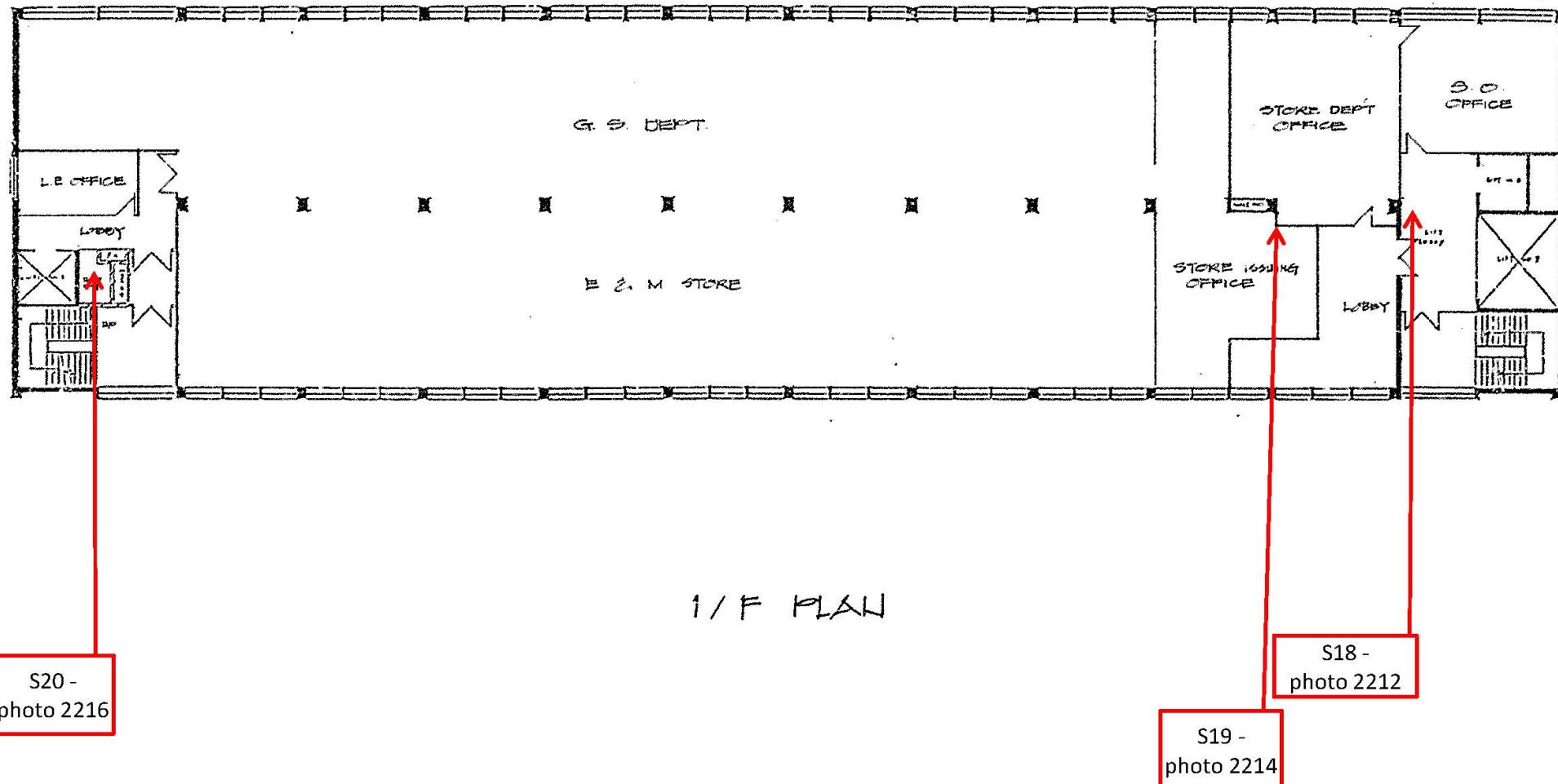
Date

MAY 2016

Figure

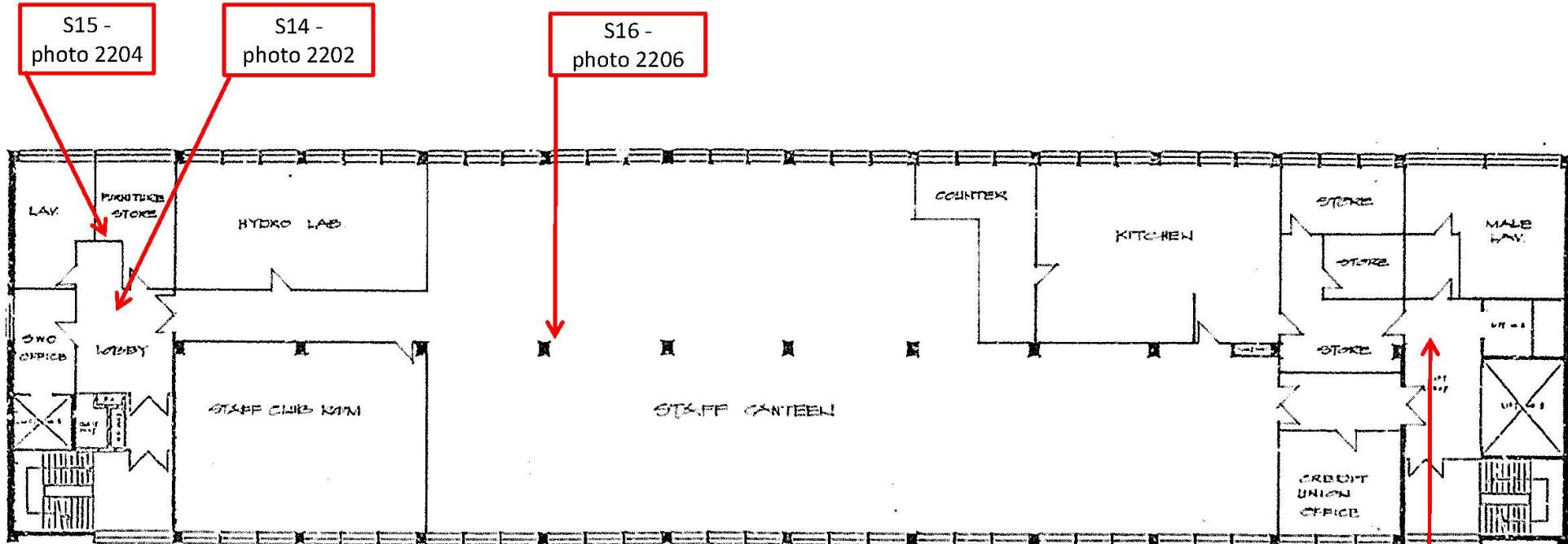
A3-HQ1

CINOTECH



Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 1/F, EMSD Headquarters	Date MAY 2016	Figure A3-HQ2

CINOTECH



2/F PLAN

S17 -
photo 2209

Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Sampling Location on 2/F, EMSD Headquarters

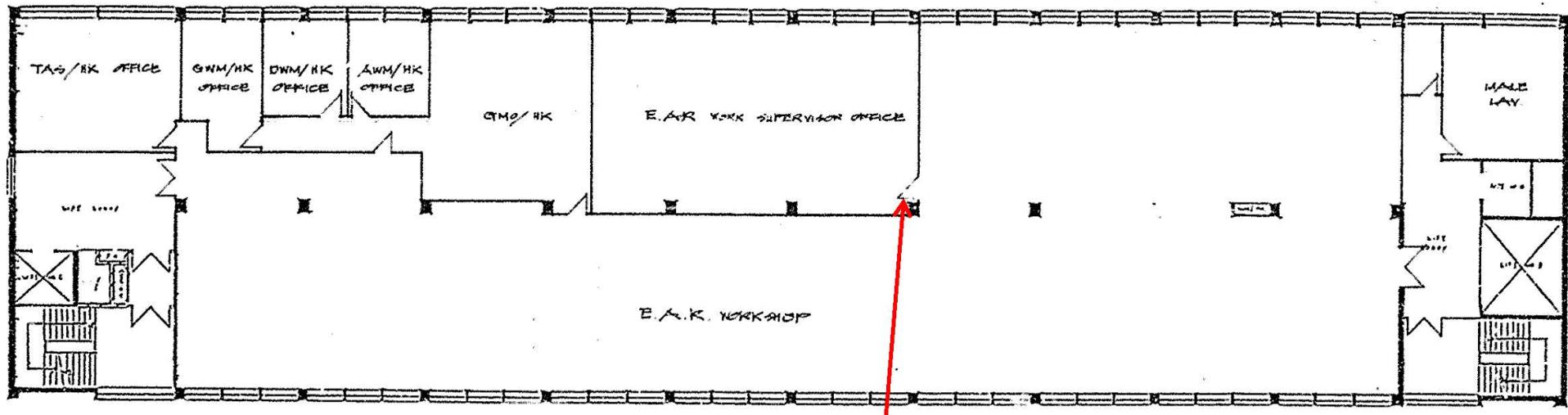
Date

MAY 2016

Figure

A3-HQ3

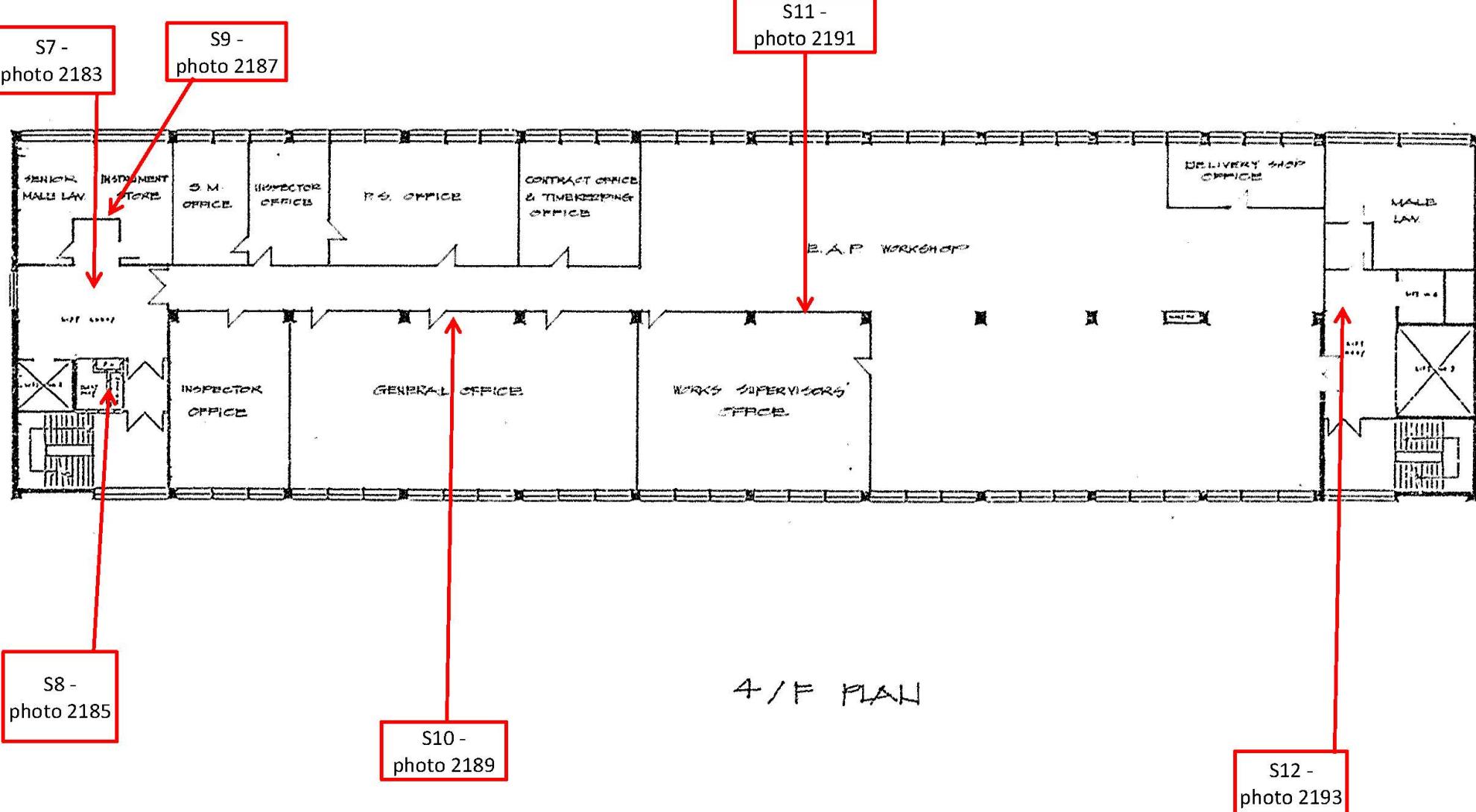
CINOTECH



3/F PLAN

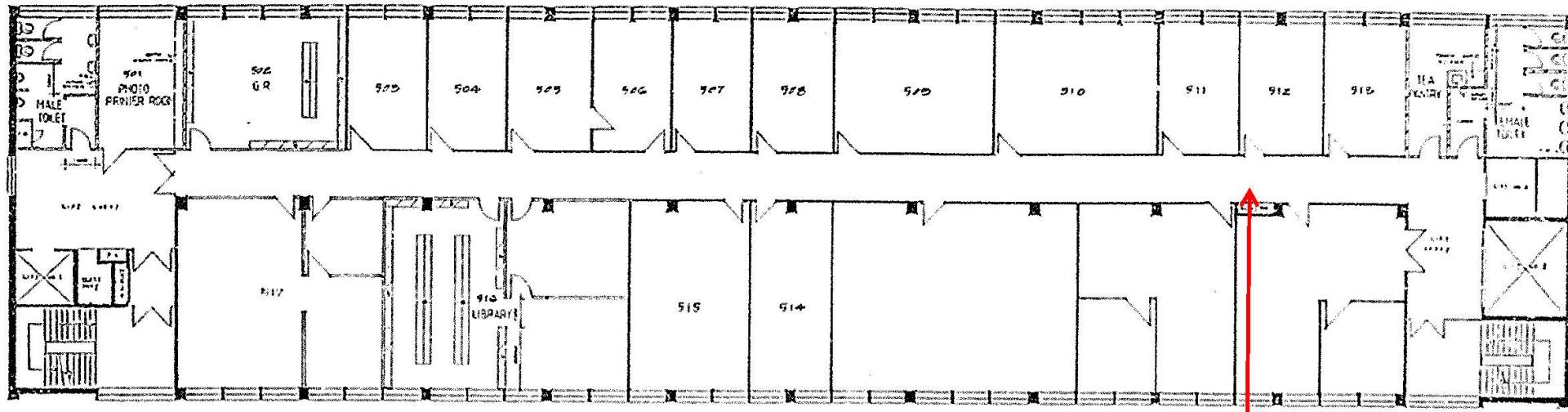
Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 3/F, EMSD Headquarters	Date MAY 2016	Figure A3-HQ4

CINOTECH



Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 4/F, EMSD Headquarters	Date MAY 2016	Figure A3-HQ5

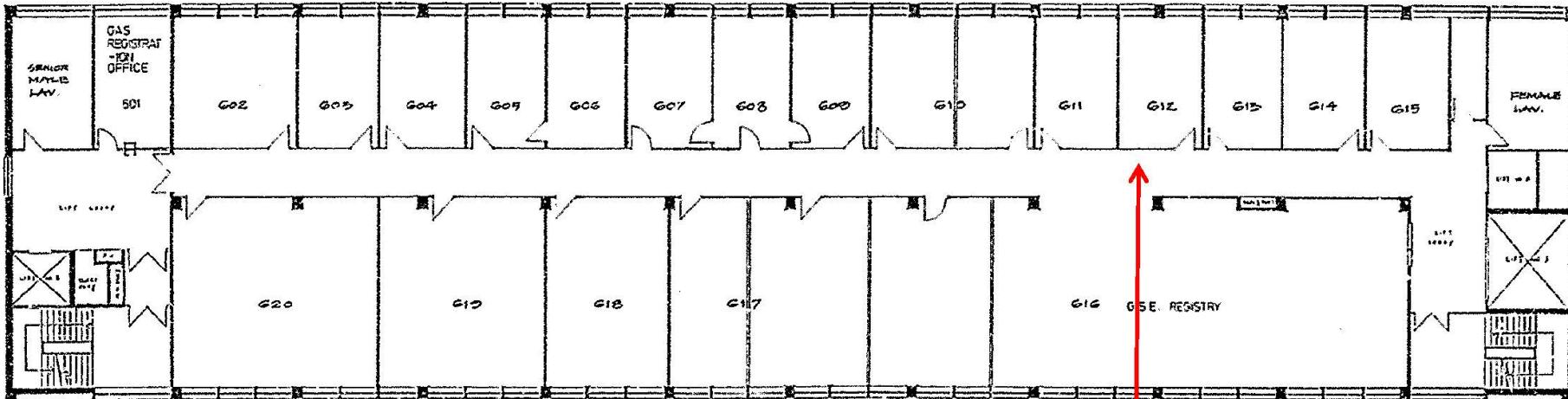
CINOTECH



5 / P PLAN

S26 -
photo 2234

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 5/F, EMSD Headquarters	Date MAY 2016	Figure A3-HQ6

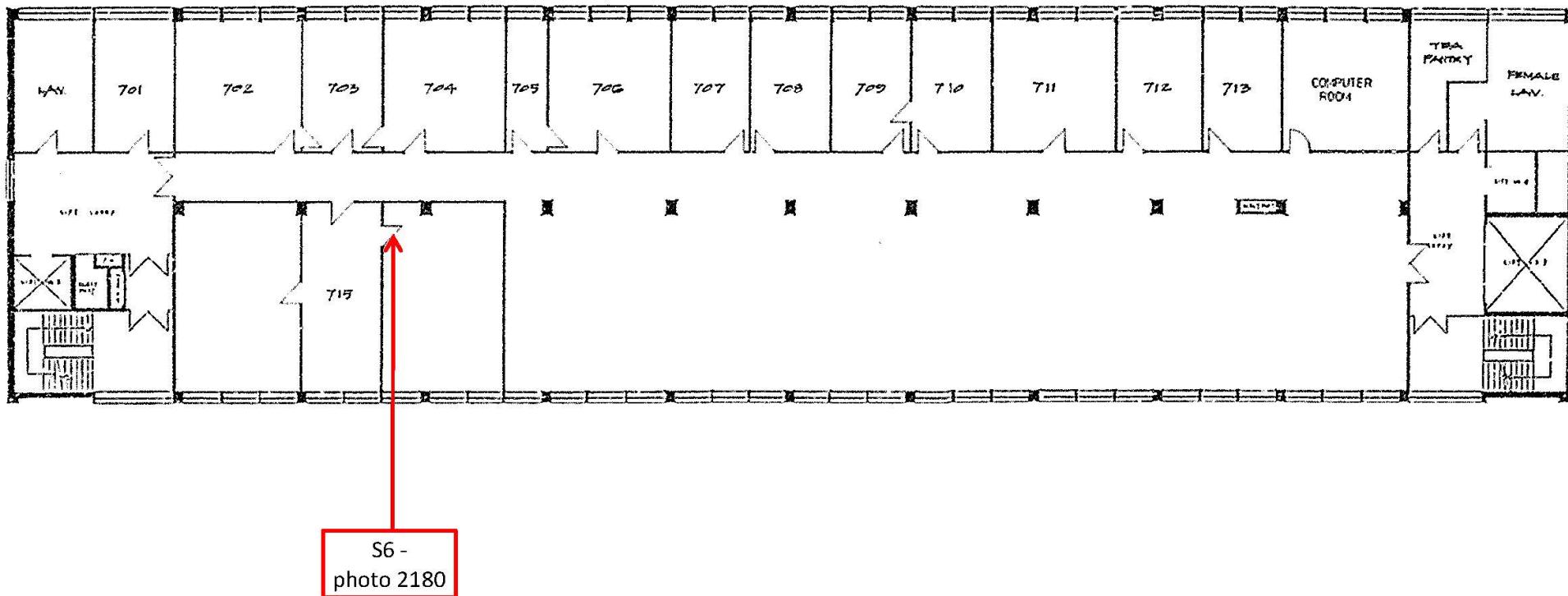


6/F PLAN

S25 -
photo 2231

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 6/F, EMSD Headquarters	Date MAY 2016	Figure A3-HQ7

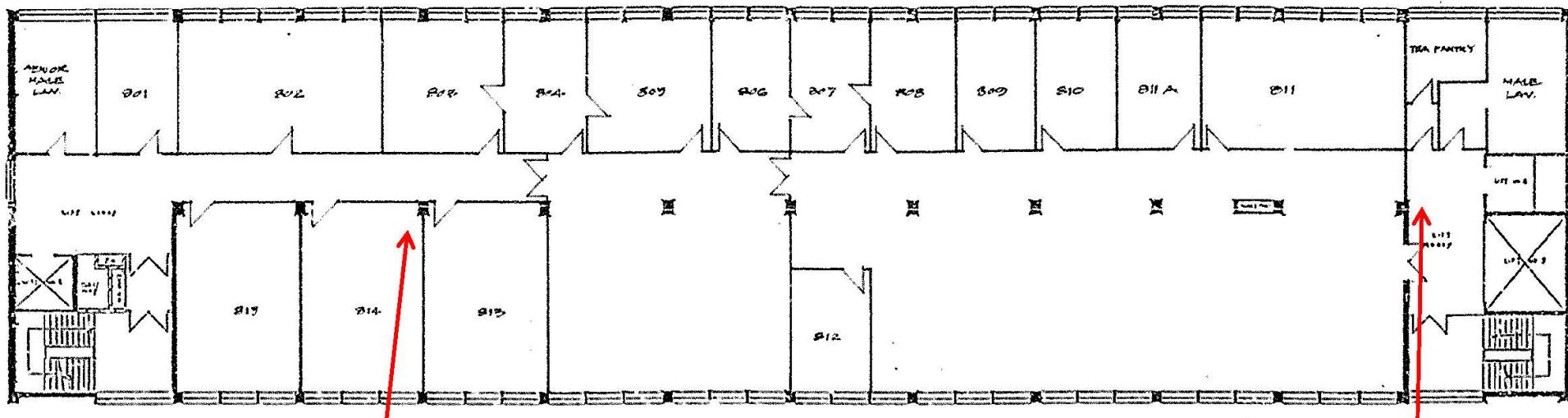
CINOTECH



7/F PLAN

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 7/F, EMSD Headquarters	Date MAY 2016	Figure A3-HQ8

CINOTECH



8/F PLAN

S4 -
photo 2173

S5 -
photo 2177

Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Sampling Location on 8/F, EMSD Headquarters

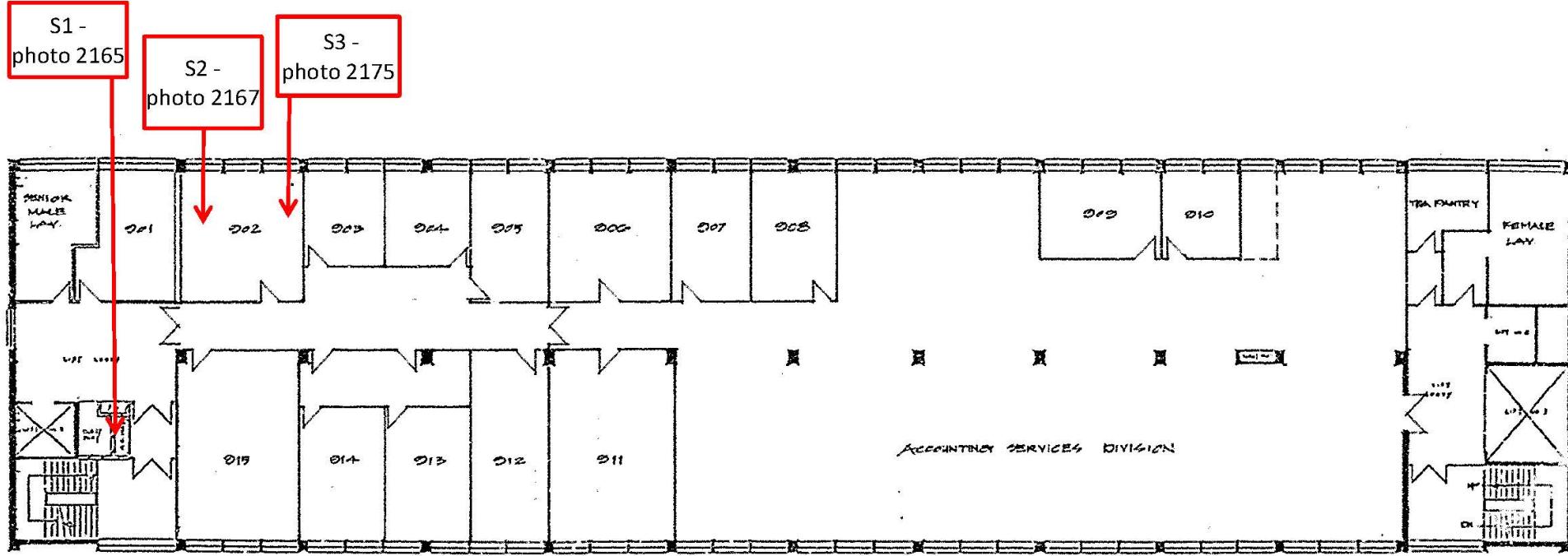
Date

MAY 2016

Figure

A3-HQ9

CINOTECH



9/F PLAN

Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Sampling Location on 9/F, EMSD Headquarters

Scale

N.T.S.

Project No.

AS16004

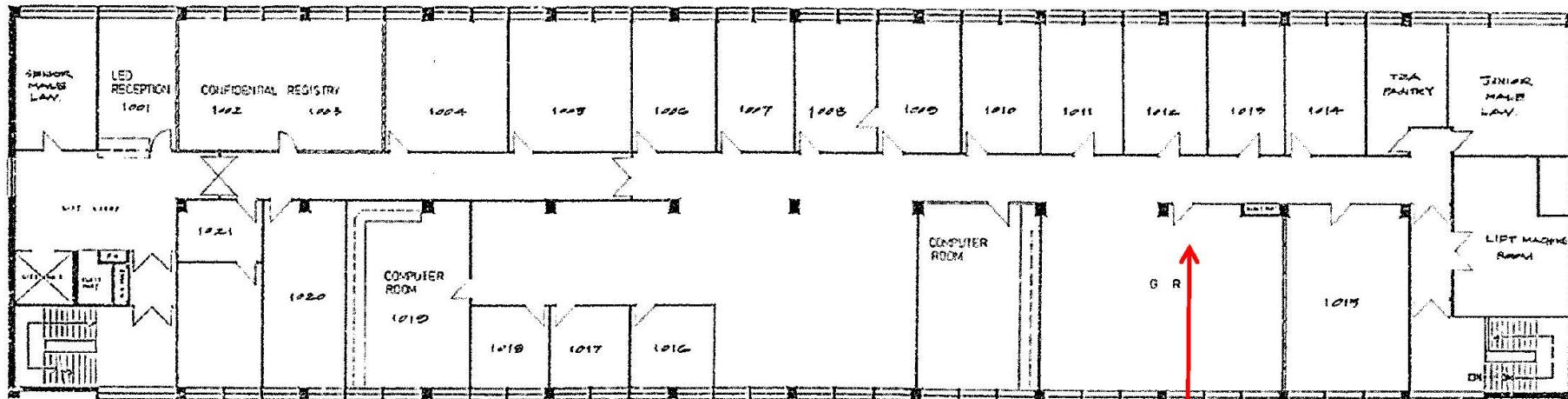
Date

MAY 2016

Figure

A3-HQ10

CINOTECH



10 / F PLAN

S23 -
photo 2226

Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Sampling Location on 10/F, EMSD Headquarters

Date

MAY 2016

Figure

A3-HQ11

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Sampling Location on Roof (R/F), EMSD Headquarters

Scale

N.T.S.

Project No.

AS16004

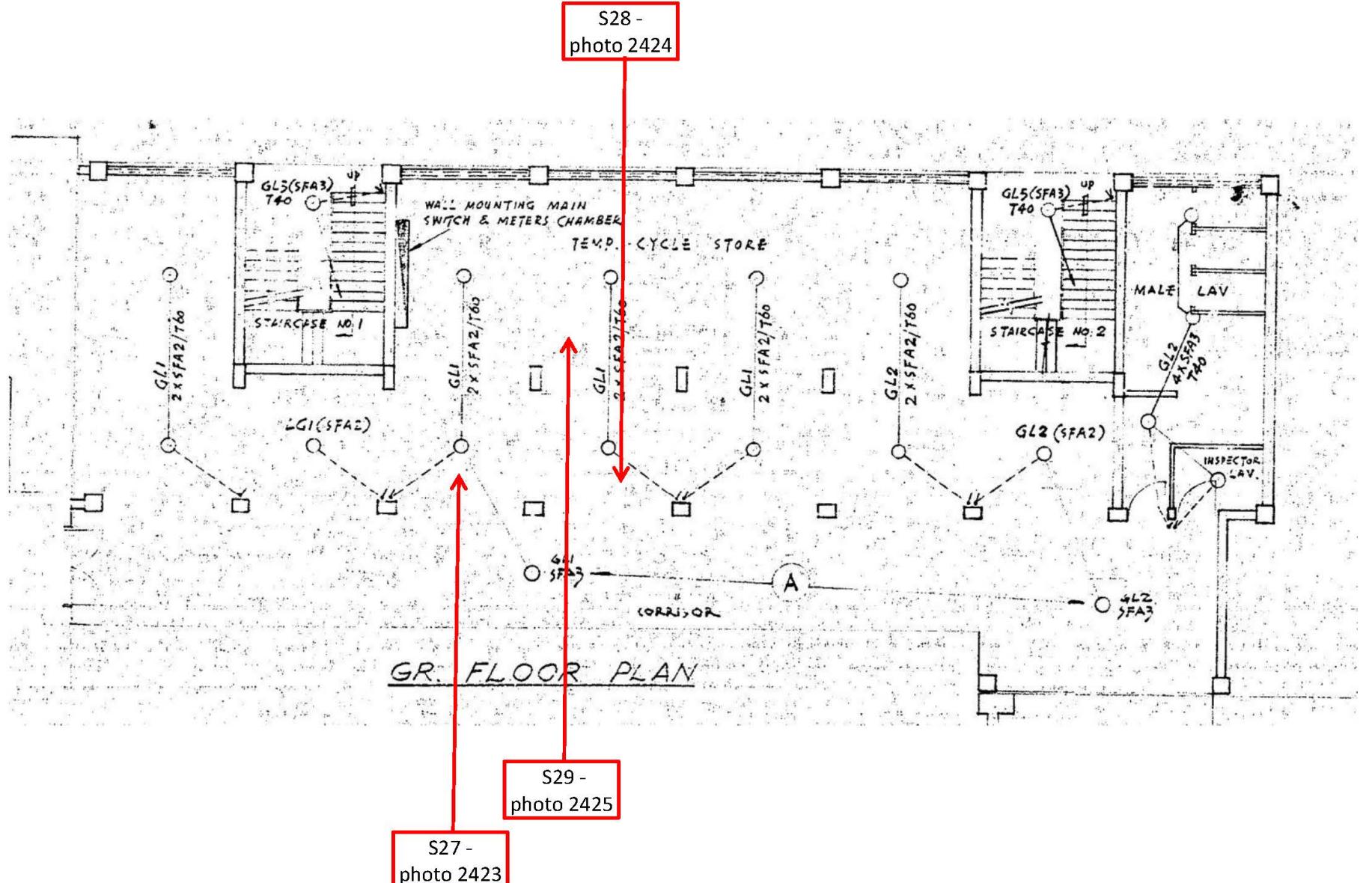
Date

MAY 2016

Figure

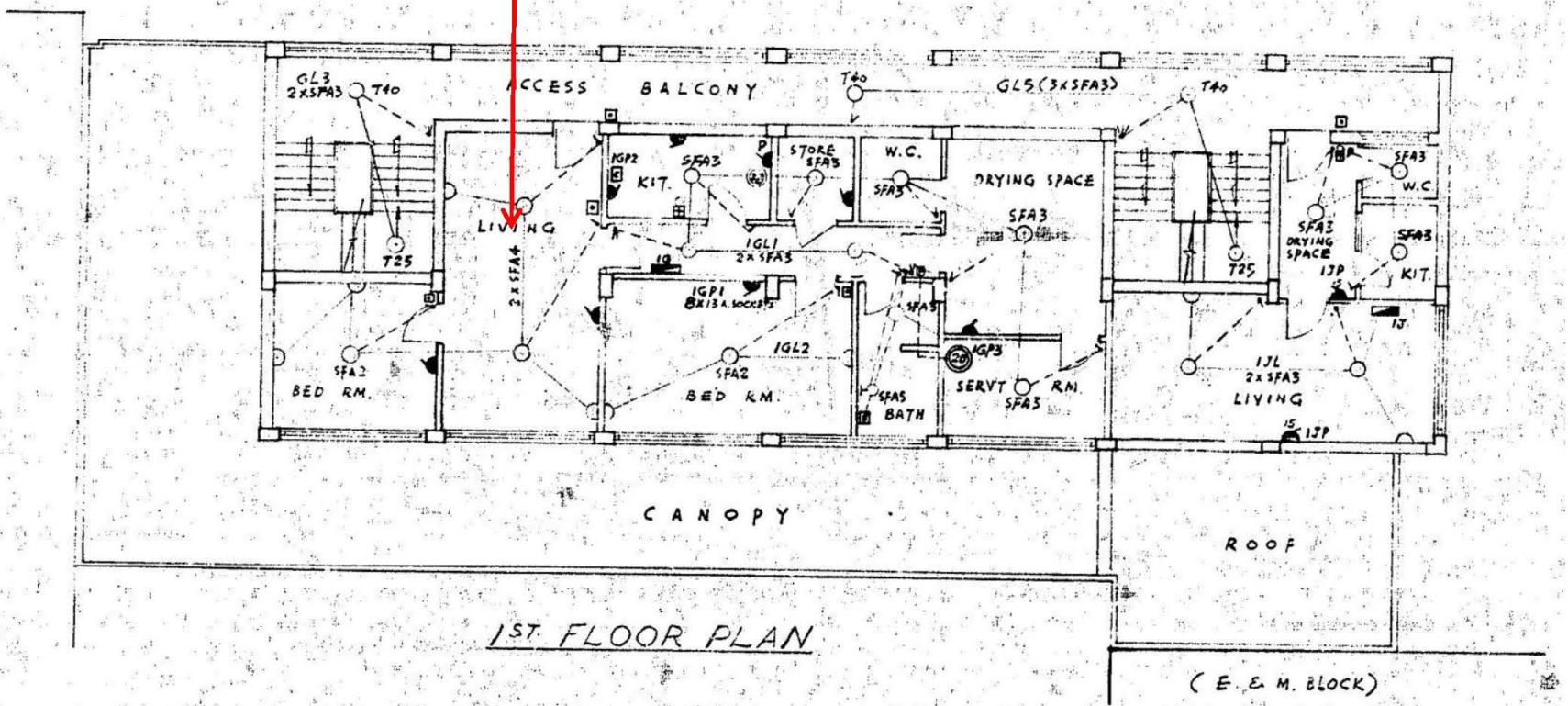
A3-HQ12

CINOTECH



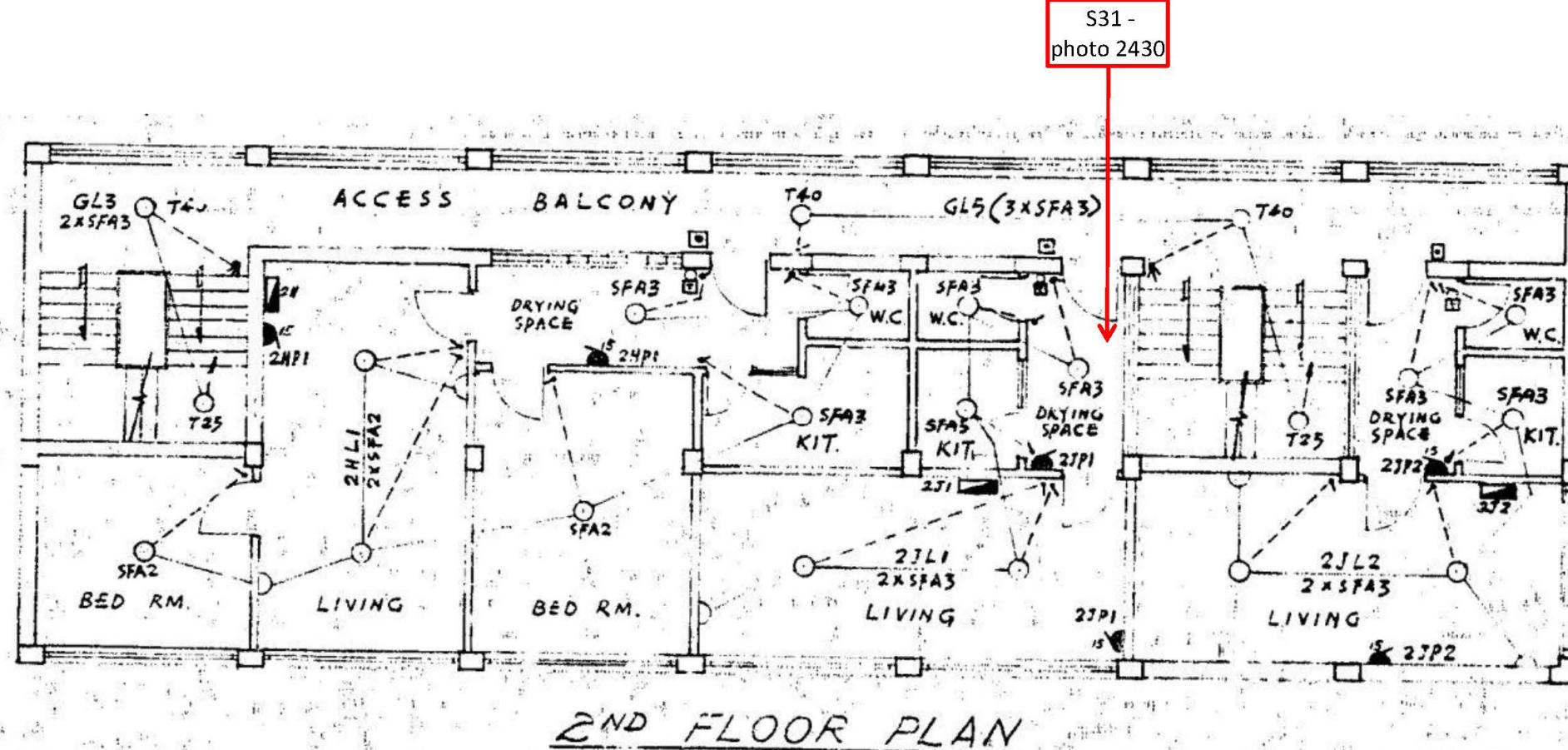
Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004	
Figure Title	Sampling Location on G/F, Quarter Block	Date MAY 2016	Figure A3-QB1	

S30 -
photo 2427



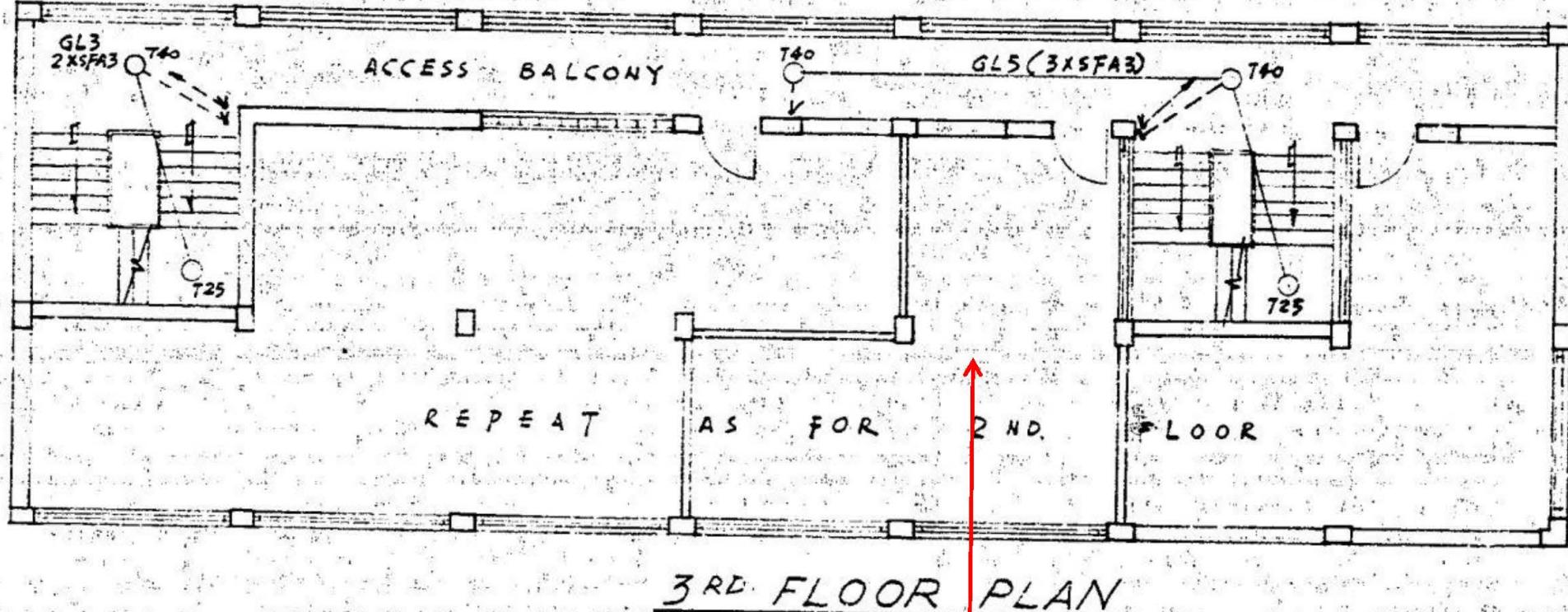
Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 1/F, Quarter Block	Date MAY 2016	Figure A3-QB2

CINOTECH



Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 2/F, Quarter Block	Date MAY 2016	Figure A3-QB3

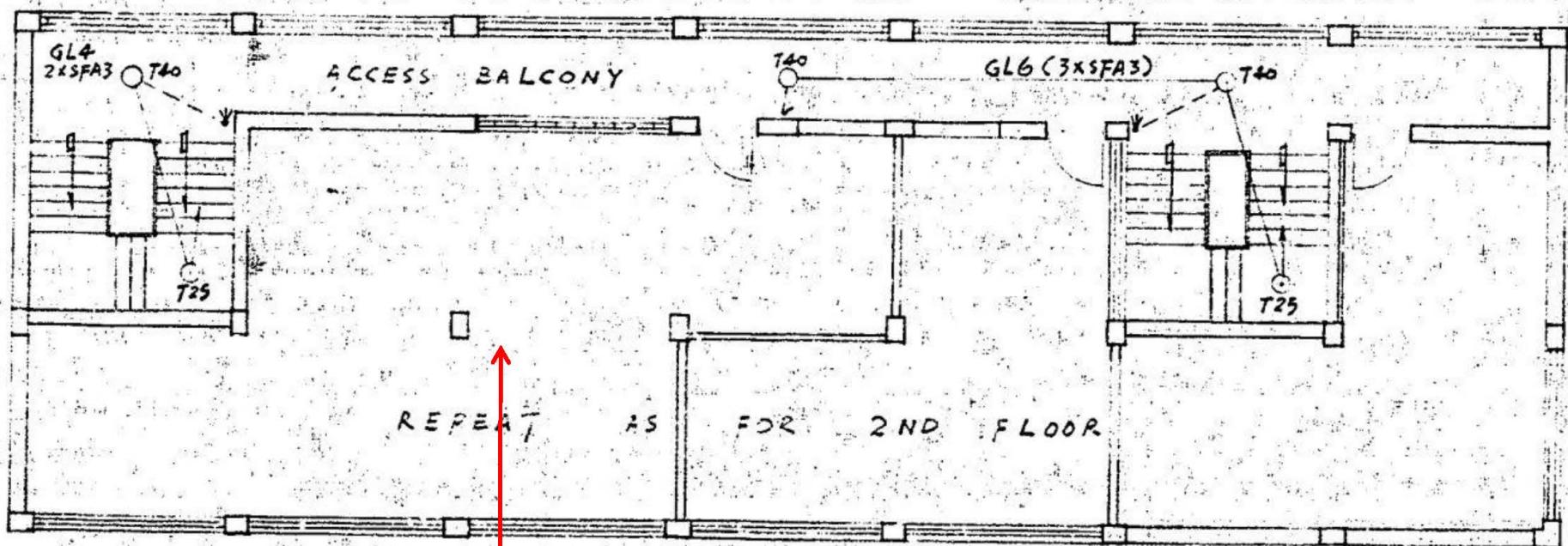
CINOTECH



S32 -
photo 2431

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 3/F, Quarter Block	Date MAY 2016	Figure A3-QB4

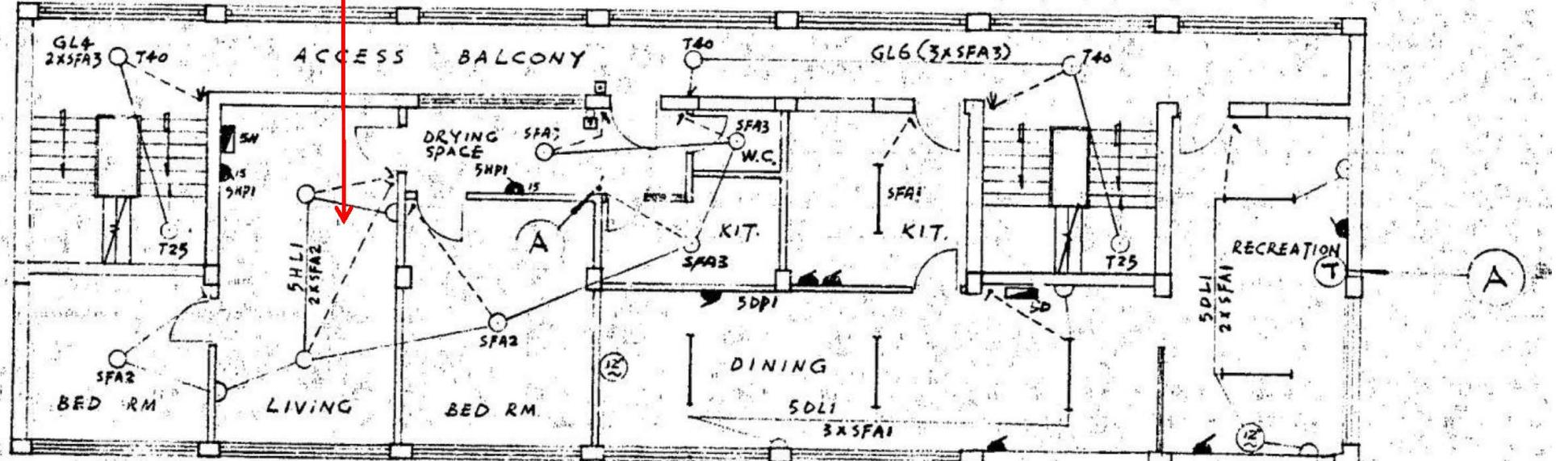
CINOTECH



S33 -
photo 2432

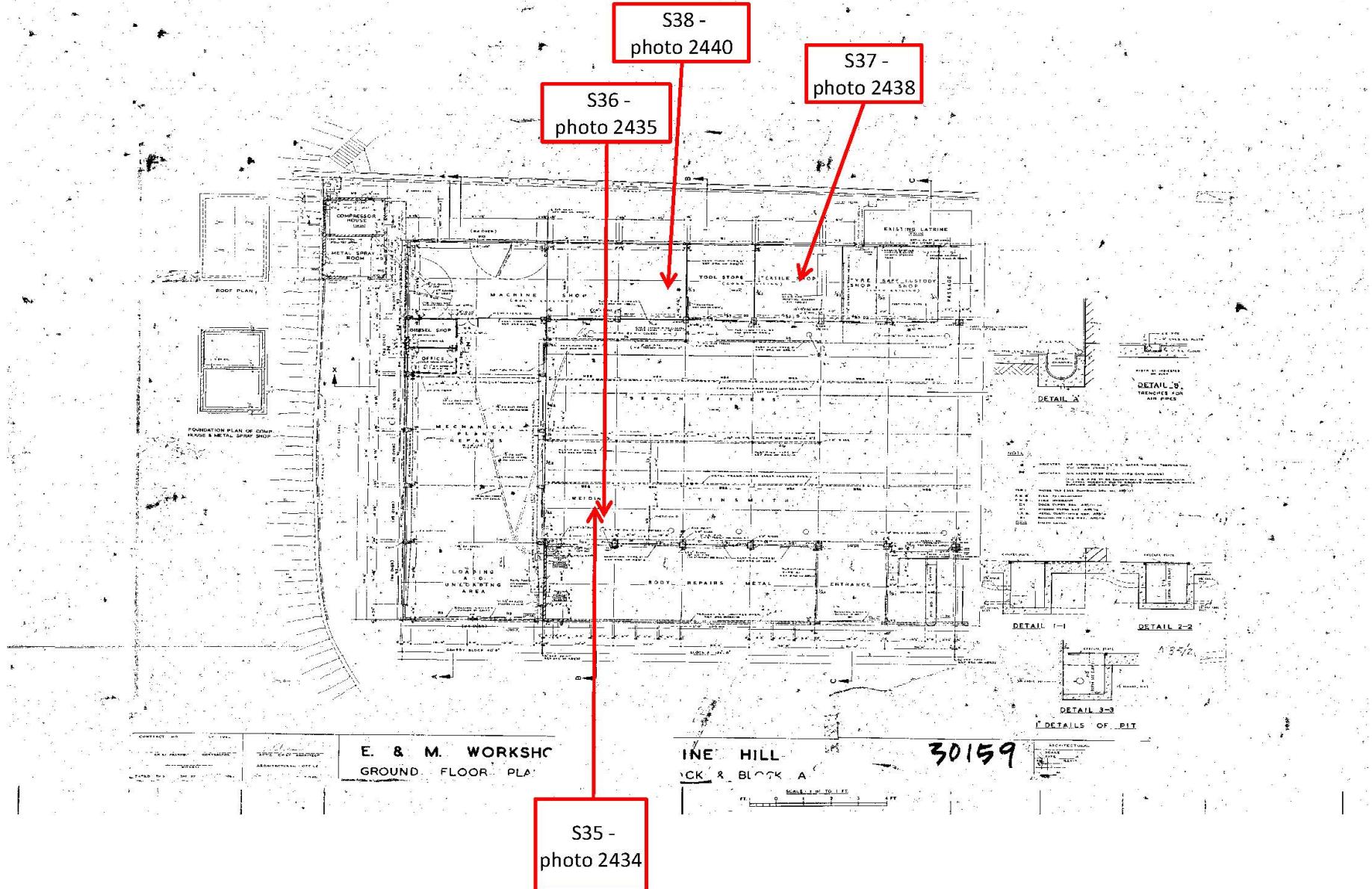
Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 4/F, Quarter Block	Date MAY 2016	Figure A3-QB5

CINOTECH



Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 5/F, Quarter Block	Date MAY 2016	Figure A3-QB6

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Sampling Location in Workshop (Gantry Block & Block A)

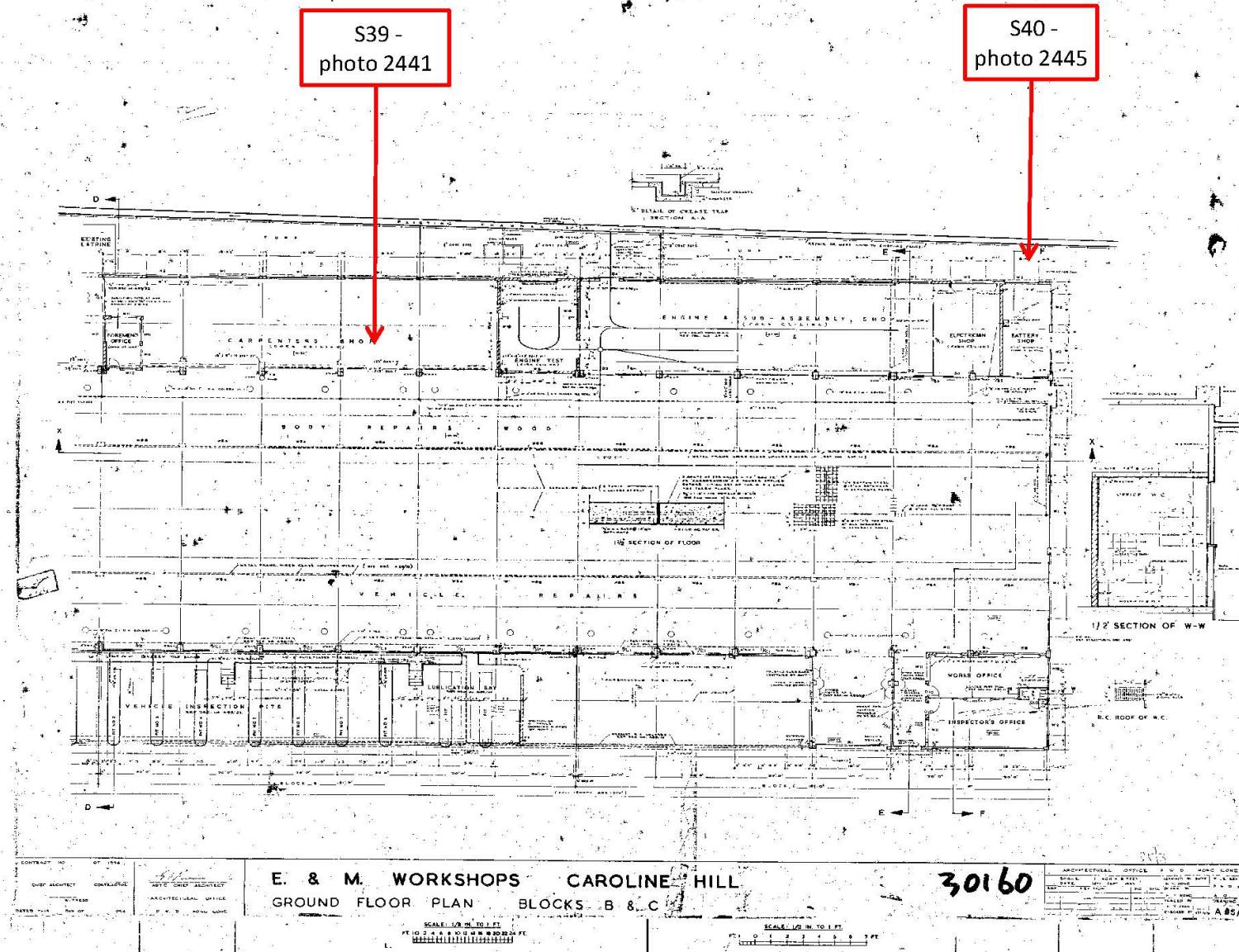
Date

MAY 2016

Figure

A3-WS1

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Sampling Location in Workshop (Block B & Block C)

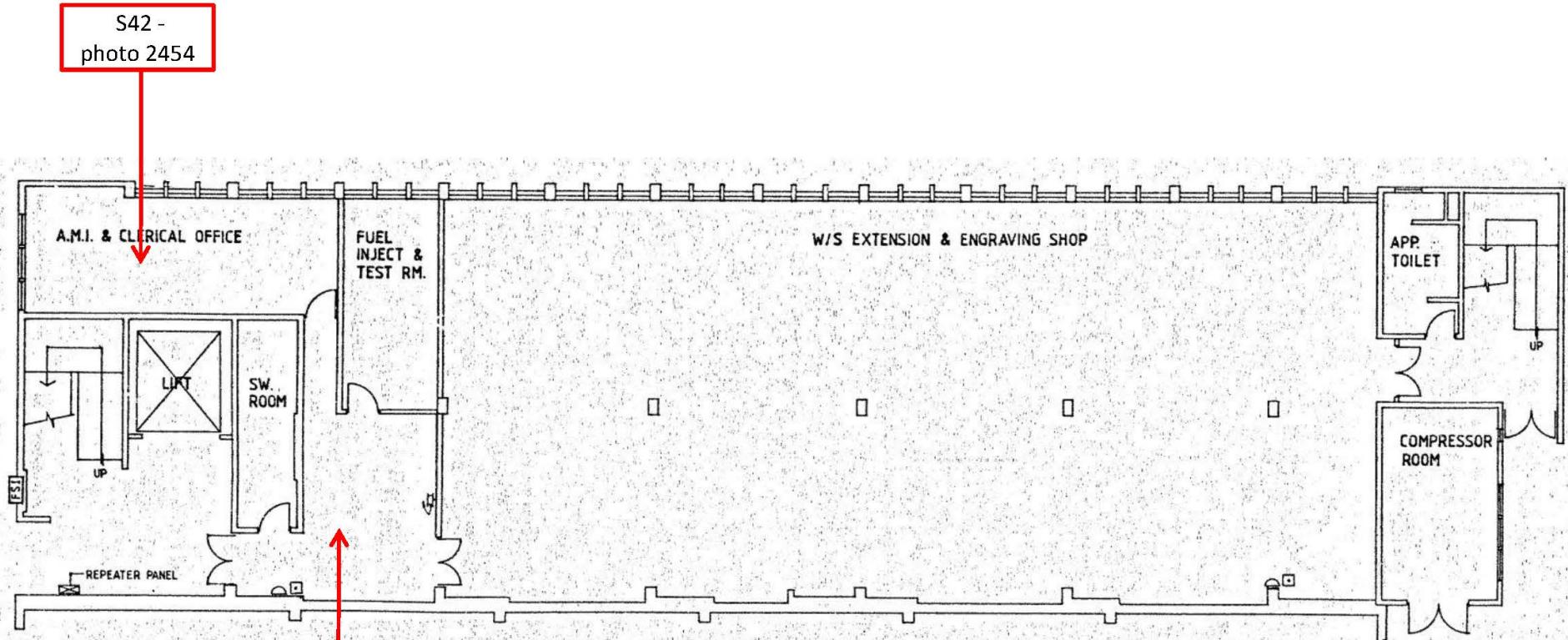
Date

MAY 2016

Figure

A3-WS2

CINOTECH

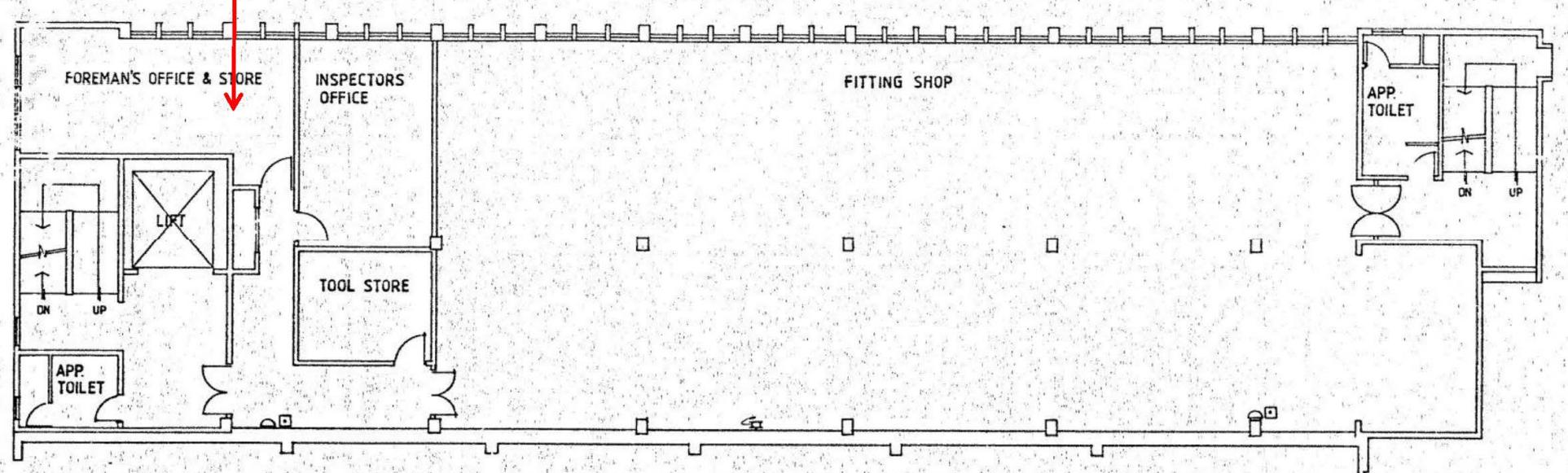


GROUND FLOOR PLAN

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on G/F, Training Centre	Date MAY 2016	Figure A3-TC1

CINOTECH

S43 -
photo 2455

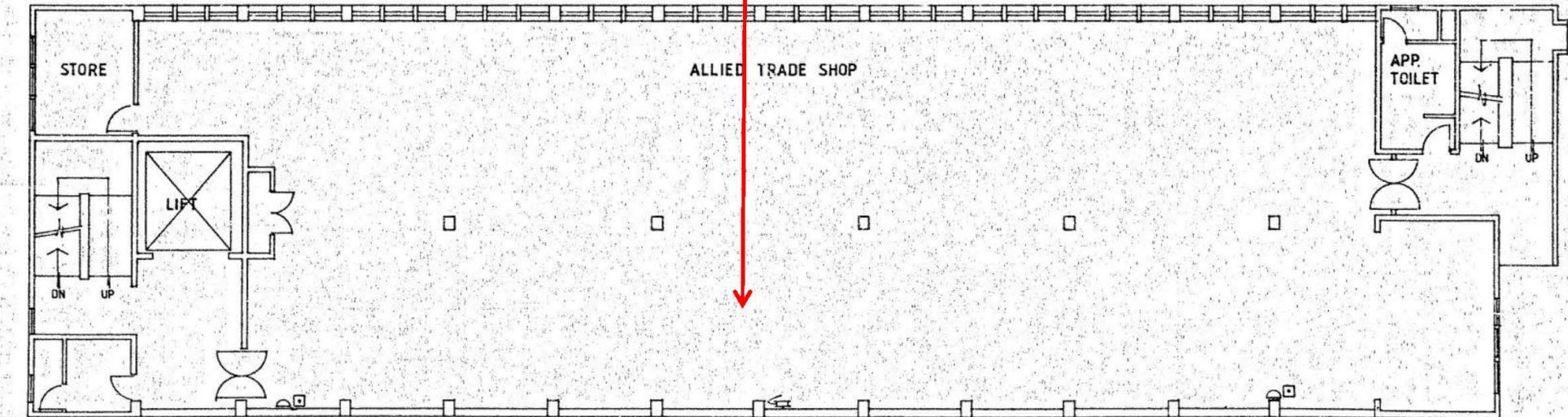


FIRST FLOOR PLAN

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 1/F, Training Centre	Date MAY 2016	Figure A3-TC2

CINOTECH

S44 -
photo 2456



SECOND FLOOR PLAN

Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Sampling Location on 2/F, Training Centre

Date

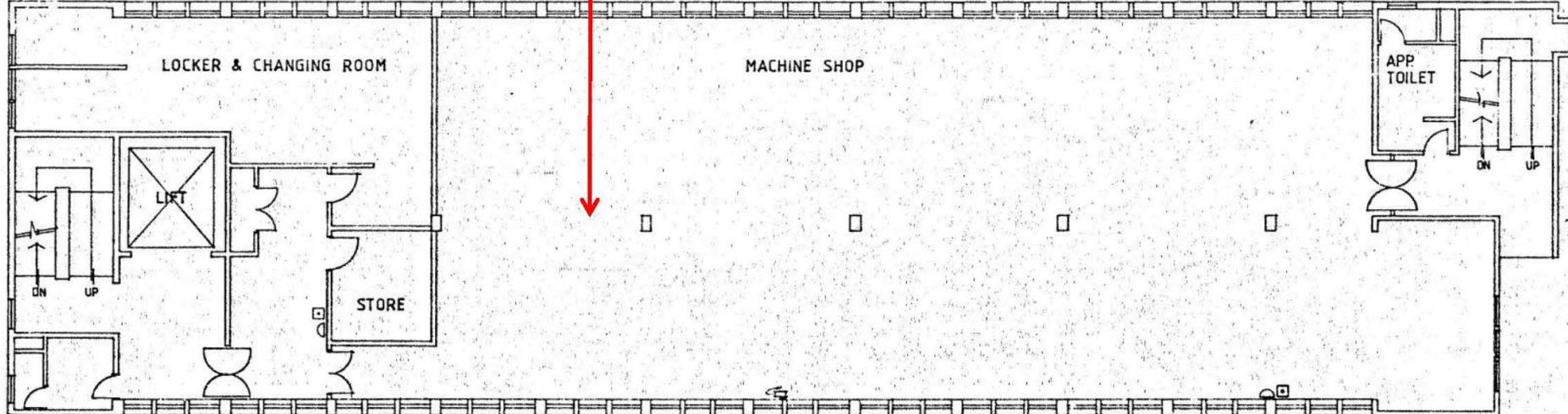
MAY 2016

Figure

A3-TC3

CINOTECH

S45 -
photo 2457



THIRD FLOOR PLAN

Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Sampling Location on 3/F, Training Centre

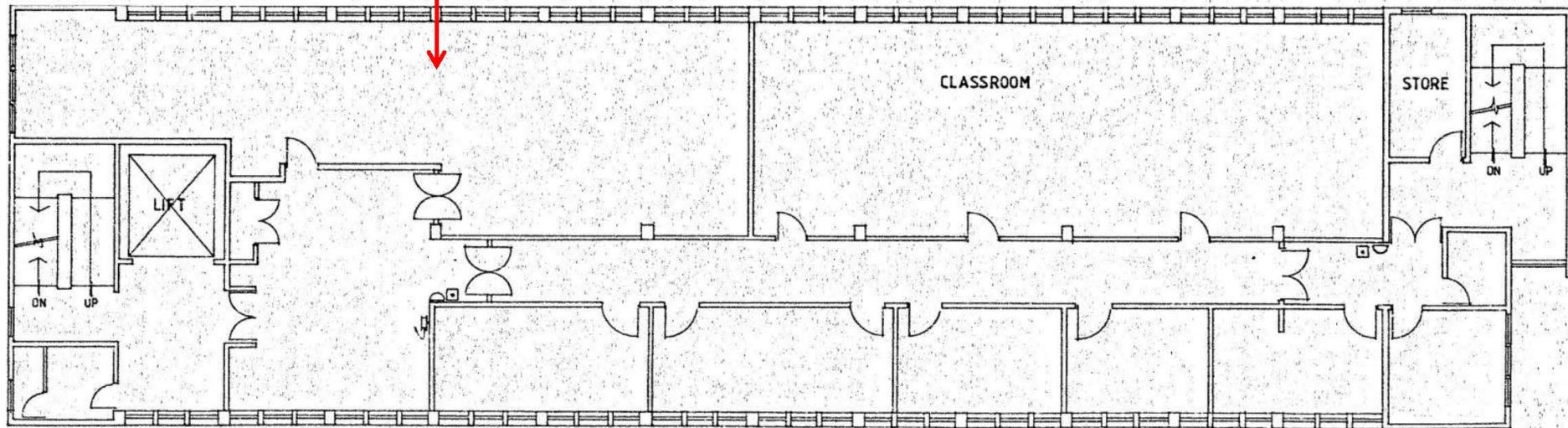
Date

MAY 2016

Figure

A3-TC4

CINOTECH



FOURTH FLOOR PLAN

Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Sampling Location on 4/F, Training Centre

Date

MAY 2016

Figure

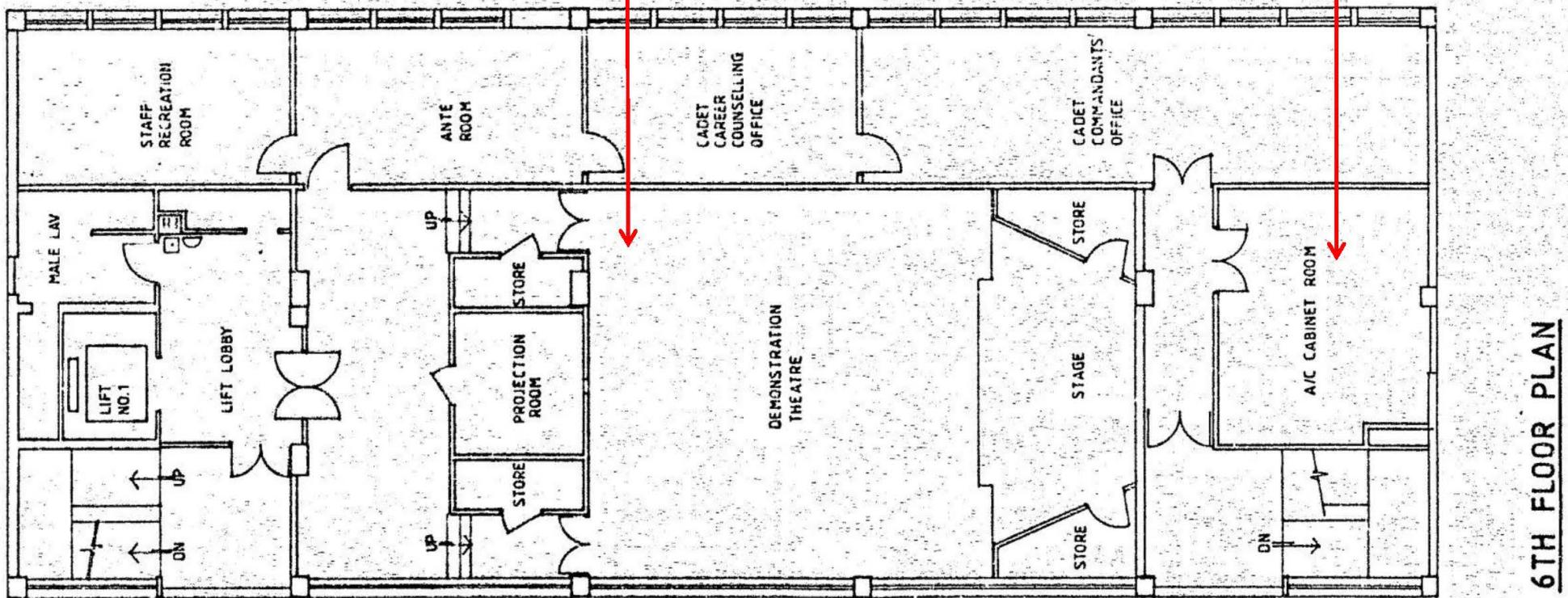
A3-TC5

CINOTECH



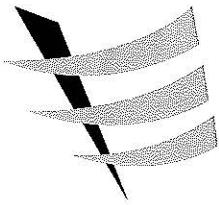
Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 1/F, CAS Headquarters	Date MAY 2016	Figure A3-CAS1

CINOTECH



Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Sampling Location on 6/F, CAS Headquarters	Date MAY 2016	Figure A3-CAS2

CINOTECH



東業德勤測試顧問有限公司

ETS-TESTCONSULT LIMITED

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong

Tel : 2695 8318

E-mail : etl@ets-testconsult.com

Fax : 2695 3944

Web site : www.ets-testconsult.com



TEST REPORT

Form F/AB/R/01/Issue 7 (1/1) (08/03)

REPORT NO. BUA60215

IDENTIFICATION AND DETERMINATION OF ASBESTOS CONTAINING MATERIAL

Project	: Preliminary Environmental Review for the Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay (B/103/16)	Report Date	: 26 May 2016
Customer	: Cinotech Consultants Ltd.	Test Method	: In-house method TPE/002/A & TPE/004/A : Clause 5.1
Address	: Rm 1710 Technology Park, 18 On Lai Street, Shatin, N T, Hong Kong	Page	: 1 of 4

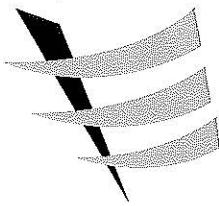
The sample(s) referenced as shown below were taken from site and examined to determine the presence of asbestos fibres by following methods:

1. Sampling using the method set out in the In-house method TPE/001/A - Sampling of asbestos in bulk
2. Fibres in the samples were identified using a polarised light and dispersion staining technique as described in the In-house method TPE/002/A - Identification of asbestos bulk samples.
3. Determination of asbestos-containing material (ACM) by visual estimation using the method set out in the In-house method TPE/004/A - Determination of asbestos-containing material by visual estimation, gravimetric reduction & point-counting method.

RESULTS

Date of sampling by ETS-Testconsult technician :	25 Apr & 13 May 2016
The sampling was carried out in the company of :	Mr K S Lee & Henry Leung
Date of identification :	10, 16 & 17 May 2016

Sample Reference Number	Sample Location	Results	Conclusion (ACM/Non-ACM/ Non-Determined)
B/103/16/1	Oil cloth of cable, Switch Room, 9/F, High Block	Asbestos not detected	non-ACM
B/103/16/2	Vinyl floor sheet with mastic in corridor, 9/F, High Block (light blue)	Chrysotile (mastic below screeding)	non-Determined
B/103/16/3	Vinyl floor tile with mastic below floor mat in "DCC Ballot Box P,G" Room, 9/F, High Block (12" green)	Chrysotile (mastic)	non-Determined
B/103/16/4	Vinyl floor tile with mastic below floor mat, 8/F, High Block (12" yellow)	Chrysotile (mastic)	non-Determined
B/103/16/5	Vinyl floor sheet with mastic in cargo lift lobby, 8/F, High Block (light blue)	Chrysotile (mastic below screeding)	non-Determined
B/103/16/6	Vinyl floor tile with mastic, 7/F, High Block (12" yellow)	Chrysotile (mastic)	non-Determined
B/103/16/7	Vinyl floor sheet with mastic in passenger lift lobby, 4/F, High Block (light yellow)	Chrysotile (mastic)	non-Determined



東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong
Tel : 2695 8318 E-mail : etl@ets-testconsult.com
Fax : 2695 3944 Web site : www.ets-testconsult.com



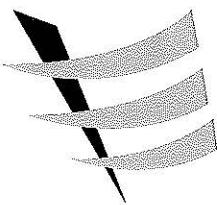
TEST REPORT

Form F/AB/R/01/Issue 7 (1/1) (08/03)

Our report no.: BUA60215

Page 2 of 4

Sample Reference Number	Sample Location	Results	Conclusion (ACM/Non-ACM/Non-Determined)
B/103/16/8	Oil cloth of cable, Switch Room, 4/F, High Block	Asbestos not detected	non-ACM
B/103/16/9	Vinyl floor tile with mastic in Store Room , 4/F, High Block (12" green)	Asbestos not detected	non-ACM
B/103/16/10	Vinyl floor tile with mastic below floor mat, 4/F, High Block (12" green)	Asbestos not detected	non-ACM
B/103/16/11	Vinyl floor tile with mastic below floor mat, 4/F, High Block (12" light yellow)	Asbestos not detected	non-ACM
B/103/16/12	Vinyl floor tile with mastic in cargo lift lobby, 4/F, High Block (12" grey + yellow)	Asbestos not detected	non-ACM
B/103/16/13	Vinyl floor tile with mastic, 3/F, High Block (12" yellow)	Asbestos not detected	non-ACM
B/103/16/14	Vinyl floor sheet with mastic in passenger lift lobby, 2/F, High Block (light yellow)	Chrysotile (mastic)	non-Determined
B/103/16/15	Vinyl floor tile with mastic at pantry, 2/F, High Block (12" light yellow + grey)	Asbestos not detected	non-ACM
B/103/16/16	Vinyl floor sheet with mastic, 2/F, High Block (blue)	Asbestos not detected	non-ACM
B/103/16/17	Vinyl floor sheet with mastic in cargo lift lobby, 2/F, High Block (light yellow)	Chrysotile (mastic below screeding)	non-Determined
B/103/16/18	Vinyl floor tile with mastic in cargo lift lobby, 1/F, High Block (12" green + green)	Asbestos not detected	non-ACM
B/103/16/19	Vinyl floor tile with mastic, 1/F, High Block (12" green)	Asbestos not detected	non-ACM
B/103/16/20	Oil cloth of cable, Switch Room, 1/F, High Block	Asbestos not detected	non-ACM
B/103/16/21	Vinyl floor tile with mastic in Store Room , G/F, High Block (12" light yellow)	Asbestos not detected	non-ACM
B/103/16/22	Vinyl floor tile with mastic in Store Room , G/F, High Block (12" green)	Asbestos not detected	non-ACM
B/103/16/23	Vinyl floor tile with mastic, 10/F, High Block (12" green)	Chrysotile (mastic)	non-Determined



東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong
Tel : 2695 8318 E-mail : etl@ets-testconsult.com
Fax : 2695 3944 Web site : www.ets-testconsult.com



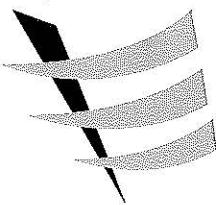
TEST REPORT

Form F/AB/R/01/Issue 7 (1/1) (08/03)

Our report no.: BUA60215

Page 3 of 4

Sample Reference Number	Sample Location	Results	Conclusion (ACM/Non-ACM/Non-Determined)
B/103/16/24	Arc cloth inside switch box in Chiller Plant Room, R/F, High Block	Chrysotile	ACM
B/103/16/25	Vinyl floor tile with mastic in Room 603, 6/F, High Block (12" light yellow)	Asbestos not detected	non-ACM
B/103/16/26	Vinyl floor tile with mastic in Room 504, 5/F, High Block (12" light yellow)	Asbestos not detected	non-ACM
B/103/16/27	Vinyl floor tile with mastic in TSCS Team Office, G/F, Quarter Block (12" beige)	Asbestos not detected	non-ACM
B/103/16/28	Vinyl floor tile with mastic in AMI Office, G/F, Quarter Block (12" beige)	Asbestos not detected	non-ACM
B/103/16/29	Vinyl floor tile with mastic in Store Room of AMI Office, G/F, Quarter Block (12" beige)	Asbestos not detected	non-ACM
B/103/16/30	Vinyl floor tile with mastic in living room of Room 1, 1/F, Quarter Block (12" grey)	Chrysotile (mastic below screeding)	non-Determined
B/103/16/31	Vinyl floor tile with mastic in corridor of Room 4, 2/F, Quarter Block (12" beige)	Asbestos not detected	non-ACM
B/103/16/32	Vinyl floor tile with mastic in living room of Room 7, 3/F, Quarter Block (12" beige + grey)	Asbestos not detected	non-ACM
B/103/16/33	Vinyl floor tile with mastic in bedroom of Room 9, 4/F, Quarter Block (12" beige)	Asbestos not detected	non-ACM
B/103/16/34	Vinyl floor tile with mastic in living room of Room 12, 5/F, Quarter Block (12" light brown)	Asbestos not detected	non-ACM
B/103/16/35	Rope lagging on flue of generator, EMSD Workshop	Chrysotile	ACM
B/103/16/36	Hard gasket at flue flange of generator, EMSD Workshop	Chrysotile	ACM
B/103/16/37	Vinyl floor tile with mastic in Room G07, EMSD Workshop (12" beige)	Asbestos not detected	non-ACM
B/103/16/38	Vinyl floor tile with mastic in Room G09, EMSD Workshop (12" beige)	Asbestos not detected	non-ACM
B/103/16/39	Vinyl floor tile with mastic in Room G03, EMSD Workshop (12" beige)	Asbestos not detected	non-ACM



東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong
Tel : 2695 8318 E-mail : etl@ets-testconsult.com
Fax : 2695 3944 Web site : www.ets-testconsult.com



TEST REPORT

Form F/AB/R/01/Issue 7 (1/1) (08/03)

Our report no.: BUA60215

Page 4 of 4

Sample Reference Number	Sample Location	Results	Conclusion (ACM/Non-ACM/Non-Determined)
B/103/16/40	Corrugated cement sheet at roof sheeting of DG Store, EMSD Workshop	Chrysotile Crocidolite	ACM
B/103/16/41	Vinyl floor tile with mastic in Room G11, G/F, Training Centre (12" brown)	Asbestos not detected	non-ACM
B/103/16/42	Vinyl floor tile with mastic in Room G11, G/F, Training Centre (12" grey)	Chrysotile (mastic)	non-Determined
B/103/16/43	Vinyl floor sheet with mastic on 1/F, Training Centre (beige)	Asbestos not detected	non-ACM
B/103/16/44	Vinyl floor sheet with mastic on 2/F, Training Centre (orange)	Asbestos not detected	non-ACM
B/103/16/45	Vinyl floor sheet with mastic on 3/F, Training Centre (beige)	Asbestos not detected	non-ACM
B/103/16/46	Vinyl floor sheet with mastic on 4/F, Training Centre (orange)	Chrysotile (mastic below screeding)	non-Determined
B/103/16/47	Vinyl floor tile with mastic in CAS HQ canteen, 1/F, CAS Headquarters (12" beige)	Chrysotile (mastic)	non-Determined
B/103/16/48	Vinyl floor tile with mastic in Hall, 6/F, CAS Headquarters (9" black)	Chrysotile (mastic) (tile)	no-Determined
B/103/16/49	Insulation board inside heater box in A/C plant Room, 6/F, CAS Headquarters	Chrysotile Crocidolite	ACM

Remarks:

'ACM' refers to a sample that is found to be an asbestos containing material as defined in the Air Pollution Control Ordinance.

'Non-Determined' refers to a sample that should be further analysed by Gravimetric Reduction & Point Counting method for the determination of asbestos containing material.

'Non-ACM' refers to a sample which asbestos cannot be detected during the identification.

REPORTED BY

:
LEE, Siu Fung Clifford

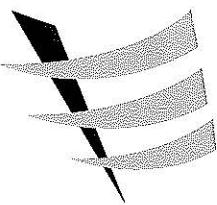
Supervisor

APPROVED SIGNATORY

:
FAN, Fook Shing Dennis

HKAS has accredited this laboratory (Reg. No. HOKLAS 022) under HOKLAS for specific laboratory activities as listed in the HOKLAS directory of accredited laboratories. This report shall not be reproduced unless with prior written approval from this laboratory.

- END OF REPORT -



東業德勤測試顧問有限公司

ETS-TESTCONSULT LIMITED

8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong
Tel : 2695 8318 E-mail : etl@ets-testconsult.com
Fax : 2695 3944 Web site : www.ets-testconsult.com

TEST REPORT

Form F/AB/R/07/Issue 6 (1/1) [07/03]

VISUAL ESTIMATION

Customer Information

Customer : Cinotech Consultants Ltd.

Address : Rm 1710 Technology Park,
18 On Lai Street, Shatin, N T,
Hong Kong

Project : Preliminary Environmental Review for
the Demolition of Existing
Superstructures at Caroline Hill Road
Site, Causeway Bay
(B/103/16)

Order Ref. : ---

Laboratory Information

Report No. : BUA60216

Report Date : 26 May 2016

Test Date : 10, 16 & 17 May 2016

Page : 1 of 2

Test Method : In-house method
TPE/004/A : Clause 5.1

Sample Ref. No.

Result

Percentage

B/103/16/2 Chrysotile (mastic below screeding) 1% (mastic below screeding)

B/103/16/3 Chrysotile (mastic) 1% (mastic)

B/103/16/4 Chrysotile (mastic) 1% (mastic)

B/103/16/5 Chrysotile (mastic below screeding) 1% (mastic below screeding)

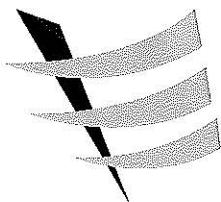
B/103/16/6 Chrysotile (mastic) 2% (mastic)

B/103/16/7 Chrysotile (mastic) 1% (mastic)

B/103/16/14 Chrysotile (mastic) 1% (mastic)

B/103/16/17 Chrysotile (mastic below screeding) 2% (mastic below screeding)

B/103/16/23 Chrysotile (mastic) <1% (mastic)



東業德勤測試顧問有限公司

ETS-TESTCONSULT LIMITED

8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong

Tel : 2695 8318

E-mail : etl@ets-testconsult.com

Fax : 2695 3944

Web site : www.ets-testconsult.com

TEST REPORT

Form F/AB/R/07/Issue 6 (1/1) [07/03]

Our report no.: BUA60216

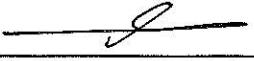
Page: 2 of 2

<u>Sample Ref. No.</u>	<u>Result</u>	<u>Percentage</u>
B/103/16/24	Chrysotile	>90%
B/103/16/30	Chrysotile (mastic below screeding)	2% (mastic below screeding)
B/103/16/35	Chrysotile	>90%
B/103/16/36	Chrysotile	80%
B/103/16/40	Chrysotile Crocidolite	15% <1%
B/103/16/42	Chrysotile (mastic)	1% (mastic)
B/103/16/46	Chrysotile (mastic below screeding)	2% (mastic below screeding)
B/103/16/47	Chrysotile (mastic)	1% (mastic)
B/103/16/48	Chrysotile (mastic) (tile)	3%(mastic) 3%(tile)
B/103/16/49	Chrysotile Crocidolite	15% 1%

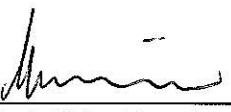
The percentages quoted above are approx. percentages by weight and are based on subjective visual assessment only.

*Non-HOKLAS accreditation.

REPORTED BY:


LEE, Siu Fung Clifford
Supervisor

APPROVED SIGNATORY:


FAN, Fook Shing Dennis



This report shall not be reproduced unless with prior written approval from this laboratory.

- END OF REPORT -

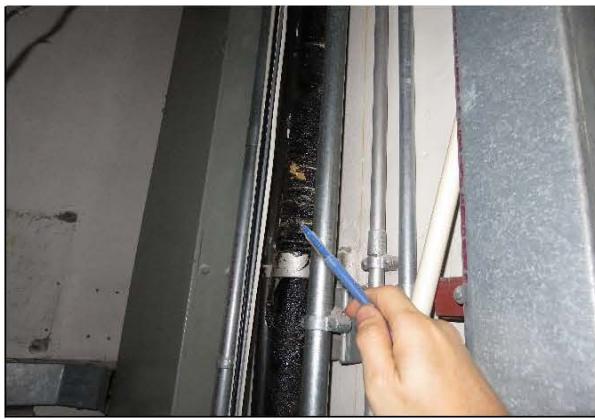


Photo 2165: S1, oil cloth of cable in Switch Room, 9/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/1)



Photo 2167: S2, vinyl floor sheet with mastic in corridor, 9/F, EMSD Headquarters. ACM was identified.
(Lab ID: B/103/16/2)



Photo 2175: S3, vinyl floor tile with mastic below floor mat in DCC Ballot Box P,G Room, 9/F, EMSD Headquarters. ACM was identified.
(Lab ID: B/103/16/3)



Photo 2173: S4, vinyl floor tile with mastic below floor mat on 8/F, EMSD Headquarters. ACM was identified.
(Lab ID: B/103/16/4)



Photo 2177: S5, vinyl floor sheet with mastic in cargo lift lobby, 8/F, EMSD Headquarters. ACM was identified.
(Lab ID: B/103/16/5)



Photo 2180: S6, vinyl floor tile with mastic on 7/F, EMSD Headquarters. ACM was identified.
(Lab ID: B/103/16/6)



Photo 2183: S7, vinyl floor sheet with mastic in passenger lift lobby, 4/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/7)

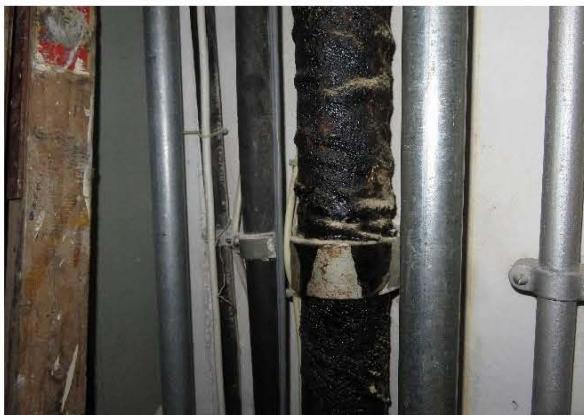


Photo 2185: S8, oil cloth of cable in Switch Room, 4/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/8)



Photo 2187: S9, vinyl floor tile with mastic in Store Room, 4/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/9)



Photo 2189: S10, vinyl floor tile with mastic below floor mat on 4/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/10)



Photo 2191: S11, vinyl floor tile with mastic below floor mat on 4/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/11)



Photo 2193: S12, vinyl floor tile with mastic in cargo lift lobby, 4/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/12)



Photo 2197: S13, vinyl floor tile with mastic on 3/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/13)



Photo 2202: S14, vinyl floor sheet with mastic in passenger lift lobby, 2/F, EMSD Headquarters. ACM was identified.
(Lab ID: B/103/16/14)



Photo 2204: S15, vinyl floor tile with mastic in Pantry, 2/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/15)



Photo 2206: S16, vinyl floor sheet with mastic on 2/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/16)



Photo 2209: S17, vinyl floor sheet with mastic in cargo lift lobby, 2/F, EMSD Headquarters. ACM was identified.
(Lab ID: B/103/16/17)



Photo 2212: S18, vinyl floor tile with mastic in cargo lift lobby, 1/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/18)



Photo 2214: S19, vinyl floor tile with mastic on 1/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/19)



Photo 2216: S20, oil cloth of cable in Switch Room, 1/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/20)



Photo 2219: S21, vinyl floor tile with mastic in Store Room, G/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/21)



Photo 2221: S22, vinyl floor tile with mastic in Store Room, G/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/22)



Photo 2226: S23, vinyl floor tile with mastic on 10/F, EMSD Headquarters. ACM was identified.
(Lab ID: B/103/16/23)



Photo 2135: S24, Arc cloth inside switch box in Chiller Plant Room, R/F, EMSD Headquarters. ACM was identified.
(Lab ID: B/103/16/24)



Photo 2231: S25, vinyl floor tile with mastic in Room 603, 6/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/25)



Photo 2234: S26, vinyl floor tile with mastic in Room 504, 5/F, EMSD Headquarters. No ACM was identified.
(Lab ID: B/103/16/26)



Photo 2423: S27, vinyl floor tile with mastic in TSCS Team Office, G/F, Quarter Block. No ACM was identified.
(Lab ID: B/103/16/27)



Photo 2424: S28, vinyl floor tile with mastic in AMI Office, G/F, Quarter Block. No ACM was identified.
(Lab ID: B/103/16/28)



Photo 2425: S29, vinyl floor tile with mastic in Store Room of AMI Office, G/F, Quarter Block. No ACM was identified.
(Lab ID: B/103/16/29)



Photo 2427: S30, vinyl floor tile with mastic in living room of Room 1, 1/F, Quarter Block. ACM was identified.
(Lab ID: B/103/16/30)



Photo 2430: S31, vinyl floor tile with mastic in corridor of Room 4, 2/F, Quarter Block. No ACM was identified.
(Lab ID: B/103/16/31)



Photo 2431: S32, vinyl floor tile with mastic in living room of Room 7, 3/F, Quarter Block. No ACM was identified.
(Lab ID: B/103/16/32)



Photo 2432: S33, vinyl floor tile with mastic in bedroom of Room 9, 4/F, Quarter Block. No ACM was identified.
(Lab ID: B/103/16/33)



Photo 2433: S34, vinyl floor tile with mastic in living room of Room 12, 5/F, Quarter Block. No ACM was identified.
(Lab ID: B/103/16/34)



Photo 2434: S35, rope lagging on flue of generator, EMSD Workshop. ACM was identified.
(Lab ID: B/103/16/35)



Photo 2435: S36, hard gasket at flue flange of generator, EMSD Workshop. ACM was identified.
(Lab ID: B/103/16/36)



Photo 2438: S37, vinyl floor tile with mastic in Room G07, EMSD Workshop. No ACM was identified.
(Lab ID: B/103/16/37)



Photo 2440: S38, vinyl floor tile with mastic in Room G09, EMSD Workshop. No ACM was identified.
(Lab ID: B/103/16/38)



Photo 2441: S39, vinyl floor tile with mastic in Room G03, EMSD Workshop. No ACM was identified.
(Lab ID: B/103/16/39)



Photo 2445: S40, corrugated cement sheet at roof sheeting of DG Store, EMSD Workshop. ACM was identified.
(Lab ID: B/103/16/40)



Photo 2453: S41, vinyl floor tile with mastic in Room G11, G/F, Training Centre. No ACM was identified.
(Lab ID: B/103/16/41)



Photo 2454: S42, vinyl floor tile with mastic in Room G11, G/F, Training Centre. ACM was identified.
(Lab ID: B/103/16/42)

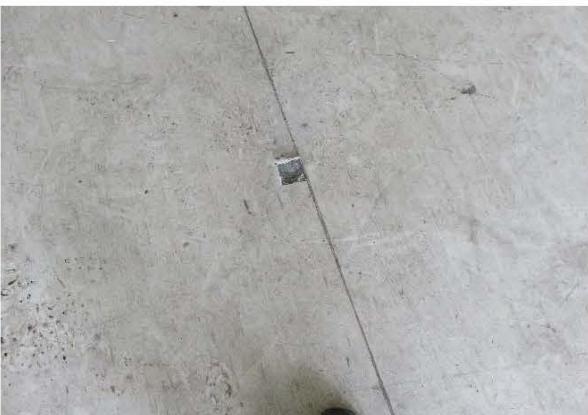


Photo 2455: S43, vinyl floor sheet with mastic on 1/F, Training Centre. No ACM was identified.
(Lab ID: B/103/16/43)



Photo 2456: S44, vinyl floor sheet with mastic on 2/F, Training Centre. No ACM was identified.
(Lab ID: B/103/16/44)



Photo 2457: S45, vinyl floor sheet with mastic on 3/F, Training Centre. No ACM was identified.
(Lab ID: B/103/16/45)



Photo 2458: S46, vinyl floor sheet with mastic on 4/F, Training Centre. ACM was identified.
(Lab ID: B/103/16/46)



Photo 2459: S47, vinyl floor tile with mastic in CAS HQ canteen, 1/F, CAS Headquarters. ACM was identified.
(Lab ID: B/103/16/47)

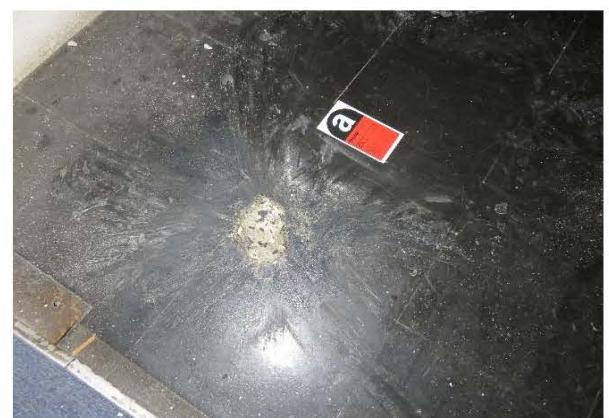
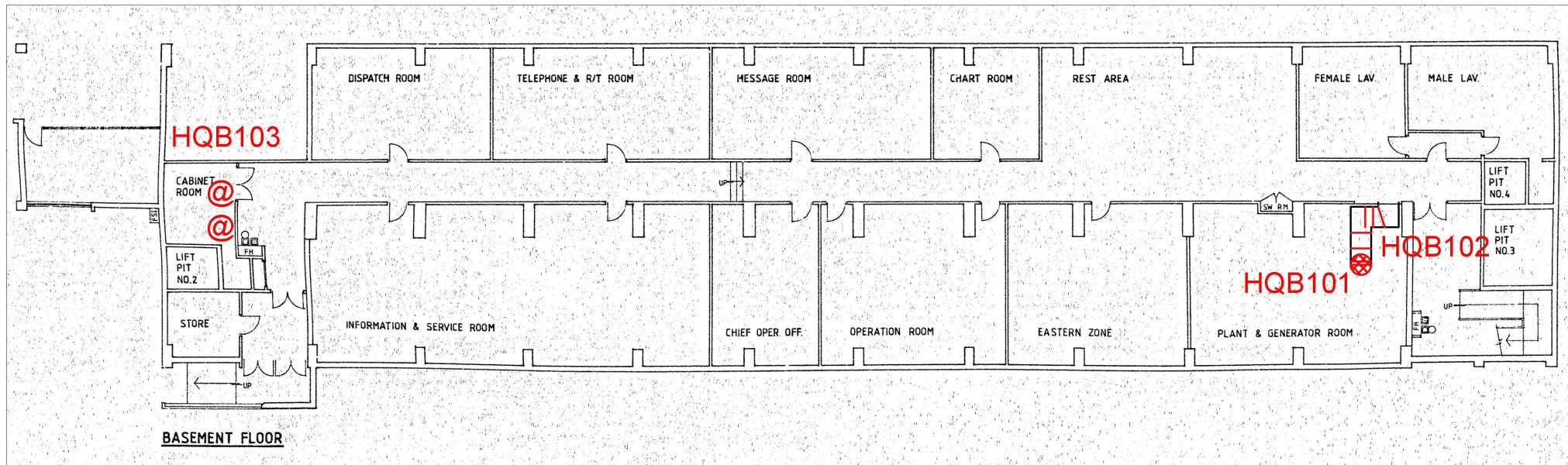


Photo 2462: S48, vinyl floor tile with mastic in Hall, 6/F, CAS Headquarters. ACM was identified.
(Lab ID: B/103/16/48)



Photo 2467: S49, insulation board inside heater box
in A/C plant Room, 6/F, CAS Headquarters. ACM
was identified.
(Lab ID: B/103/16/49)

Annex IV
Locations of Identified ACM



Legend



Rope lagging containing
ACM on flue of generator

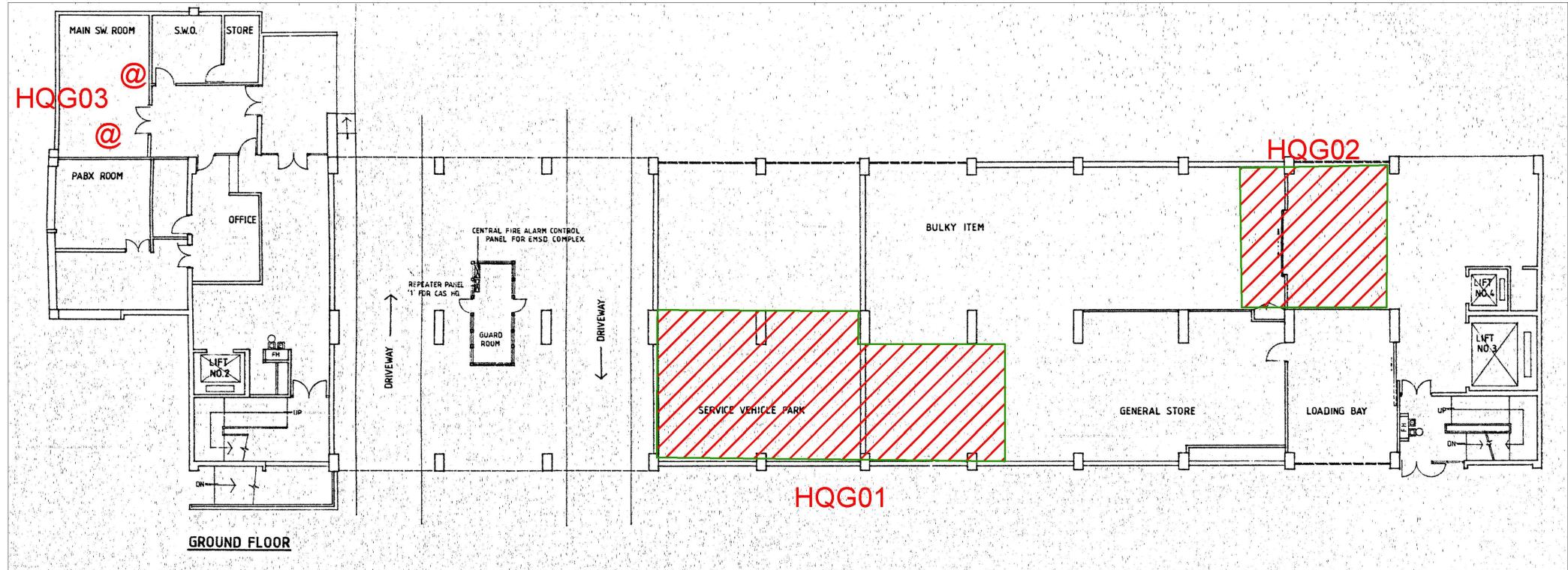


Hard gasket containing
ACM on flue of generator



Switch box with ACM
containing arc cloth

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	IA16004	FIGURE NO.	A4-HQ1



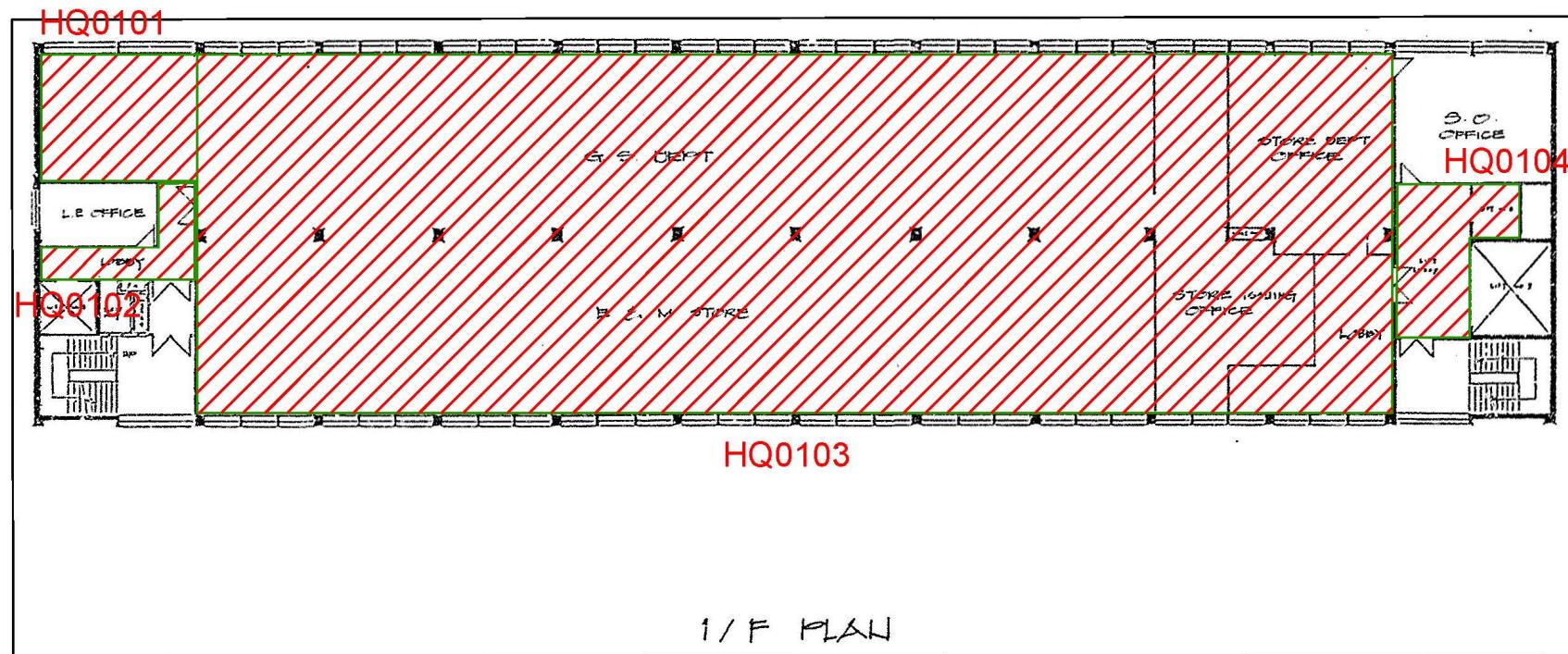
Legend



Vinyl floor tile with
mastic containing ACM



Switch box with ACM
containing arc cloth

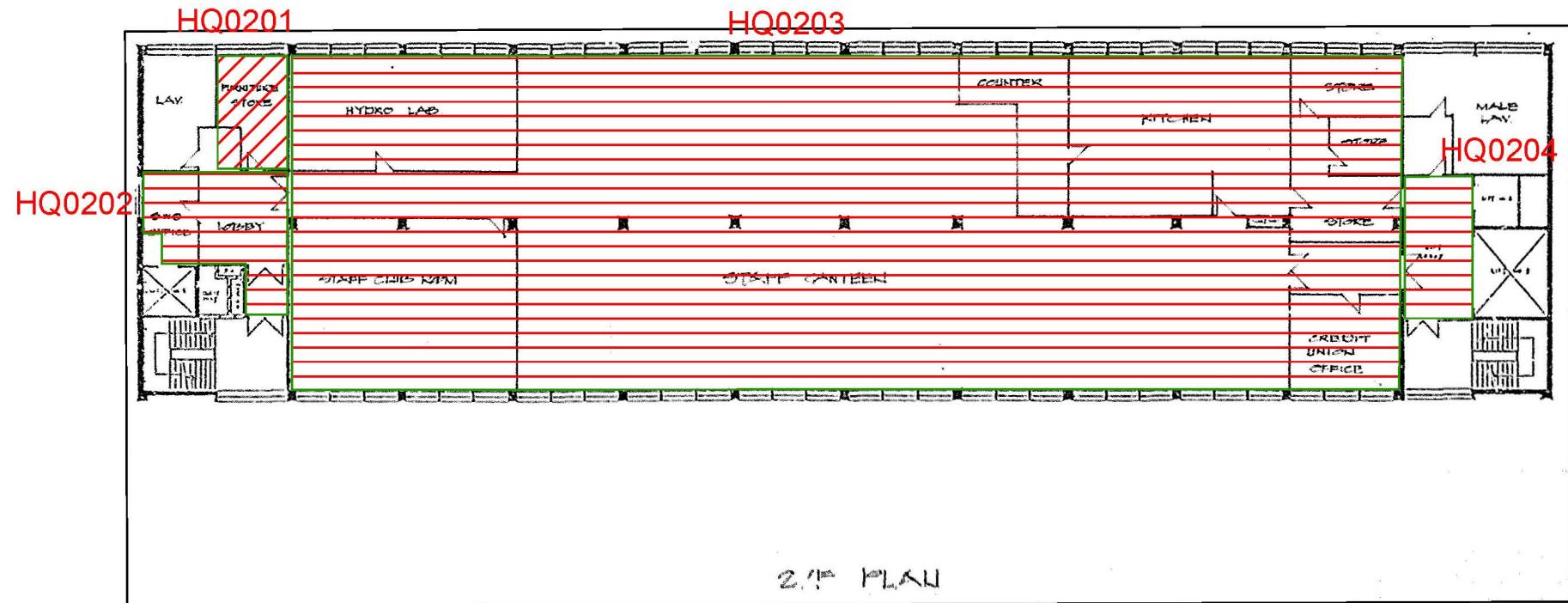


Legend



Vinyl floor tile with
mastic containing ACM

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	IA16004	FIGURE NO.	A4-HQ3



Legend



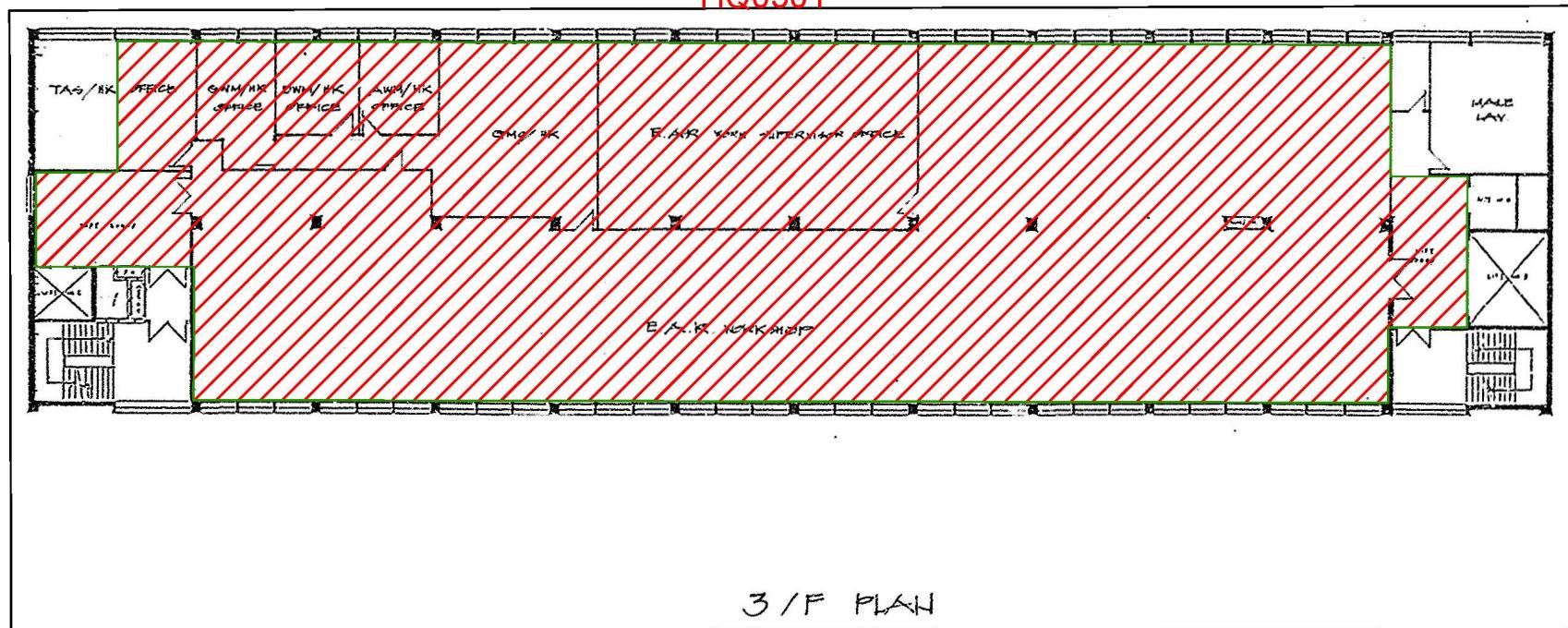
Vinyl floor tile with
mastic containing ACM



Vinyl floor sheet with
mastic containing ACM

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.		FIGURE NO.	REV
IA16004	A4-HQ4	-	

HQ0301

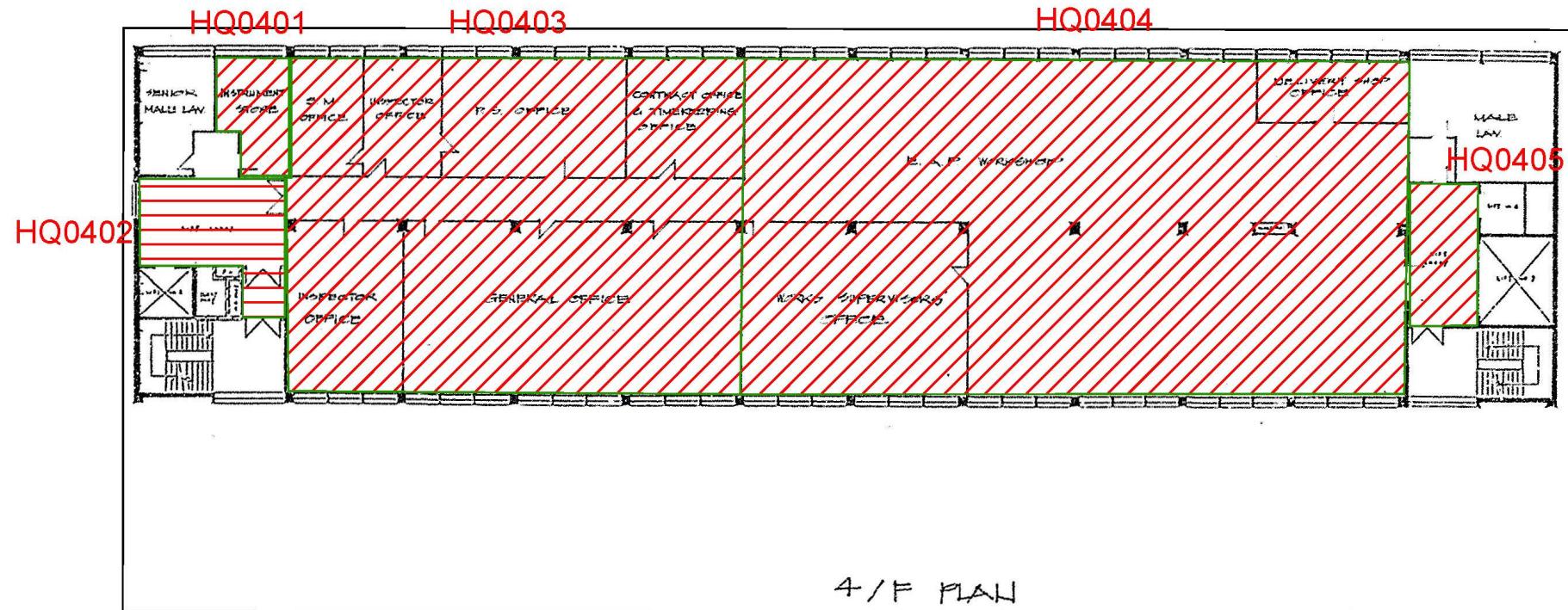


Legend



Vinyl floor tile with
mastic containing ACM

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	FIGURE NO.		
	IA16004	A4-HQ5	-



Legend

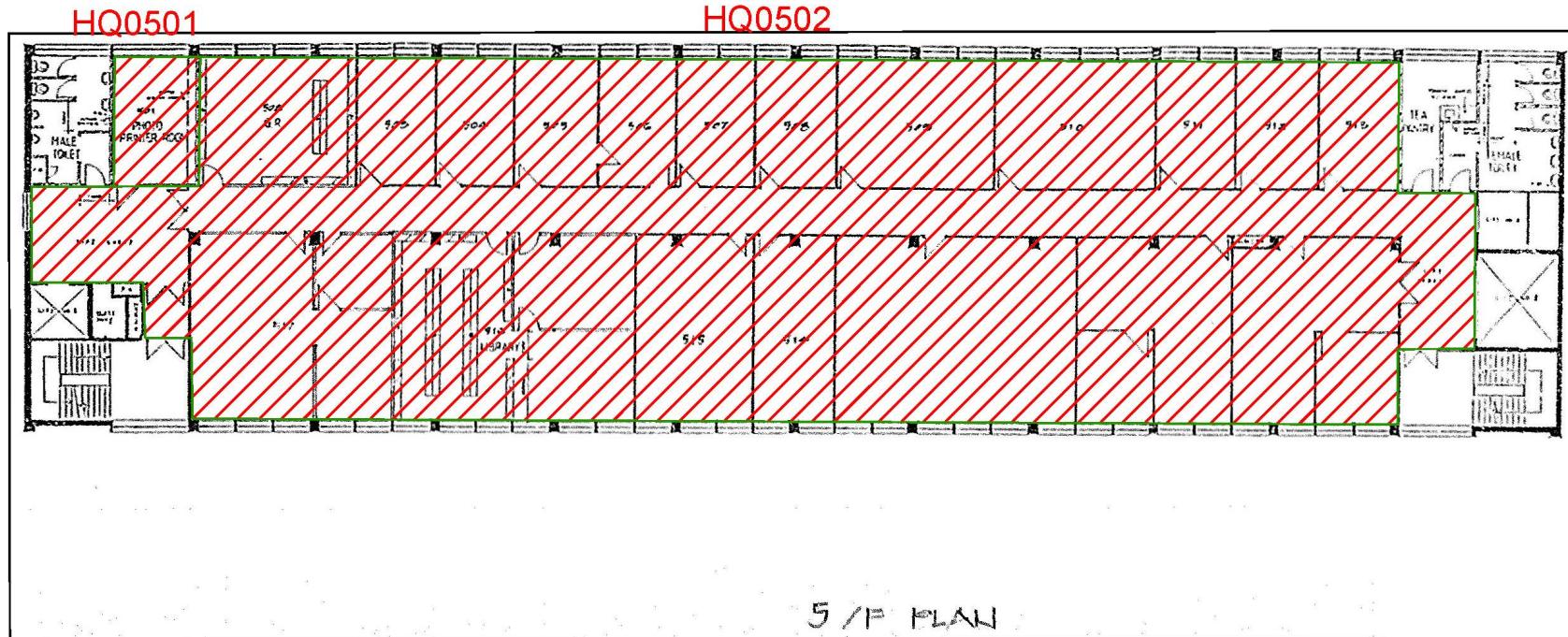


Vinyl floor tile with
mastic containing ACM



Vinyl floor sheet with
mastic containing ACM

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	FIGURE NO.		
	IA16004	A4-HQ6	-



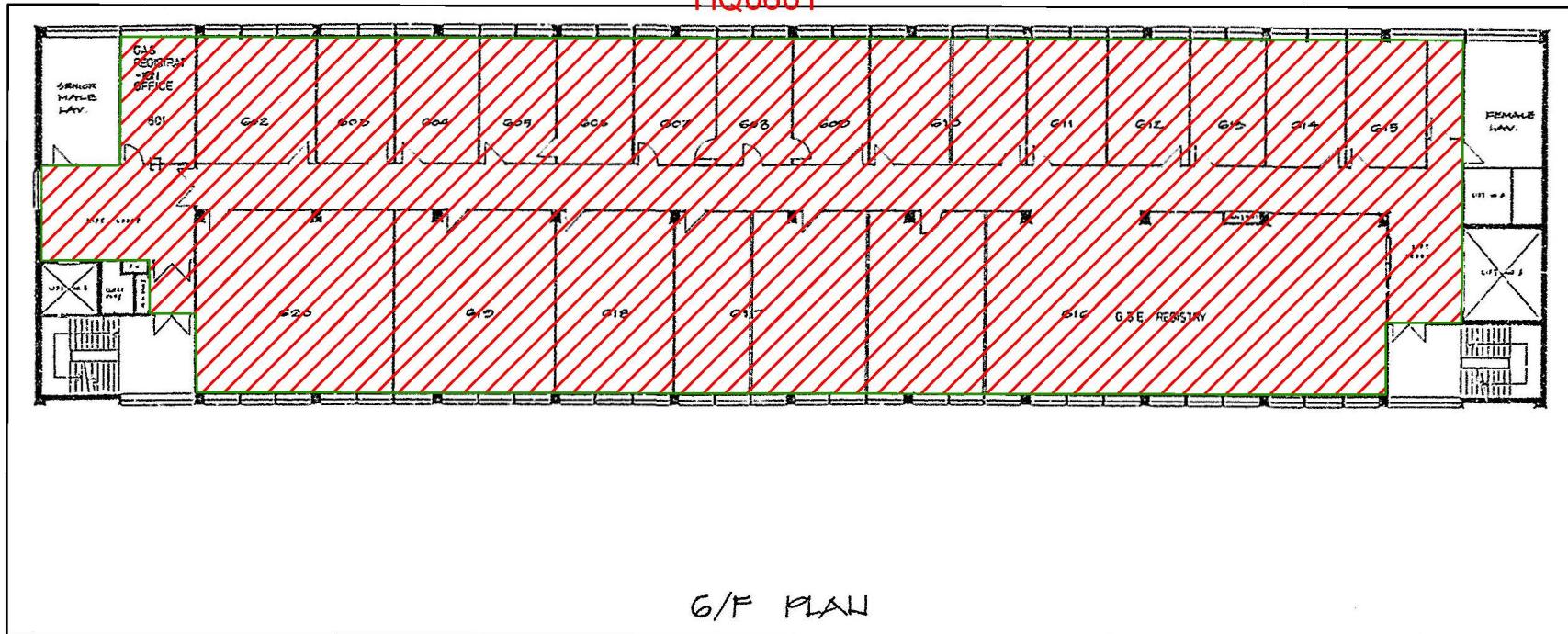
Legend



Vinyl floor tile with
mastic containing ACM

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	FIGURE NO.		
	IA16004	A4-HQ7	-

HQ0601



Legend



Vinyl floor tile with
mastic containing ACM

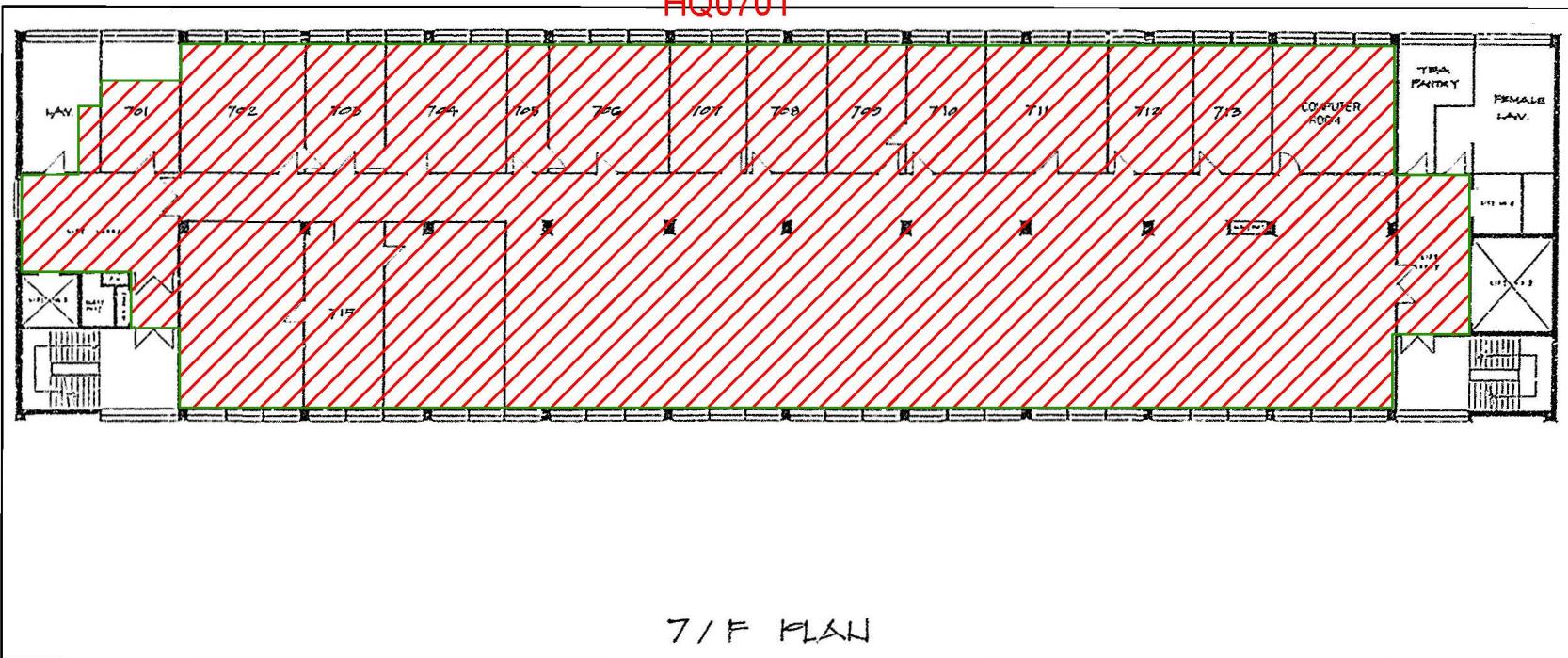
CINOTECH
Cinotech Consultants Limited

Programme No.: 794CL

Locations of ACM in EMSD Headquarters (6/F)

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	IA16004	FIGURE NO. A4-HQ8	REV -

HQ0701

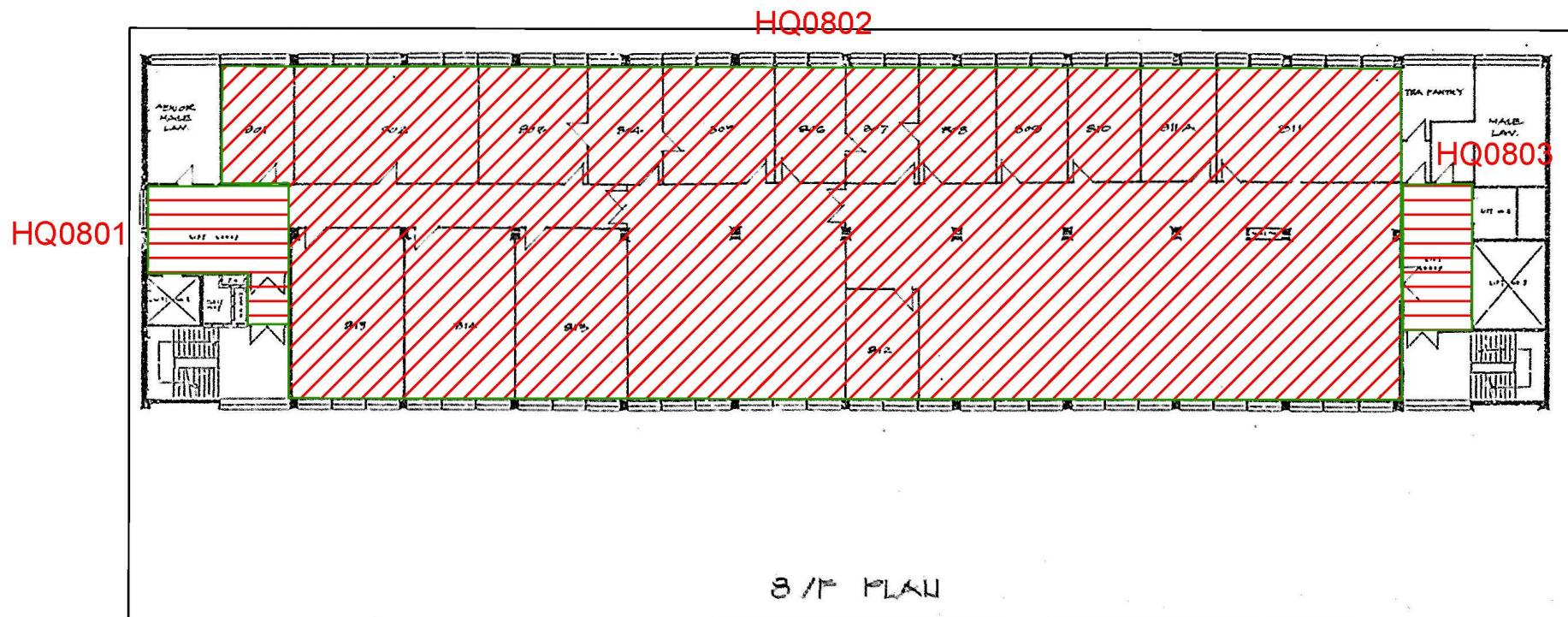


Legend



Vinyl floor tile with
mastic containing ACM

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	FIGURE NO.		
	IA16004	A4-HQ9	-



Legend



Vinyl floor tile with
mastic containing ACM



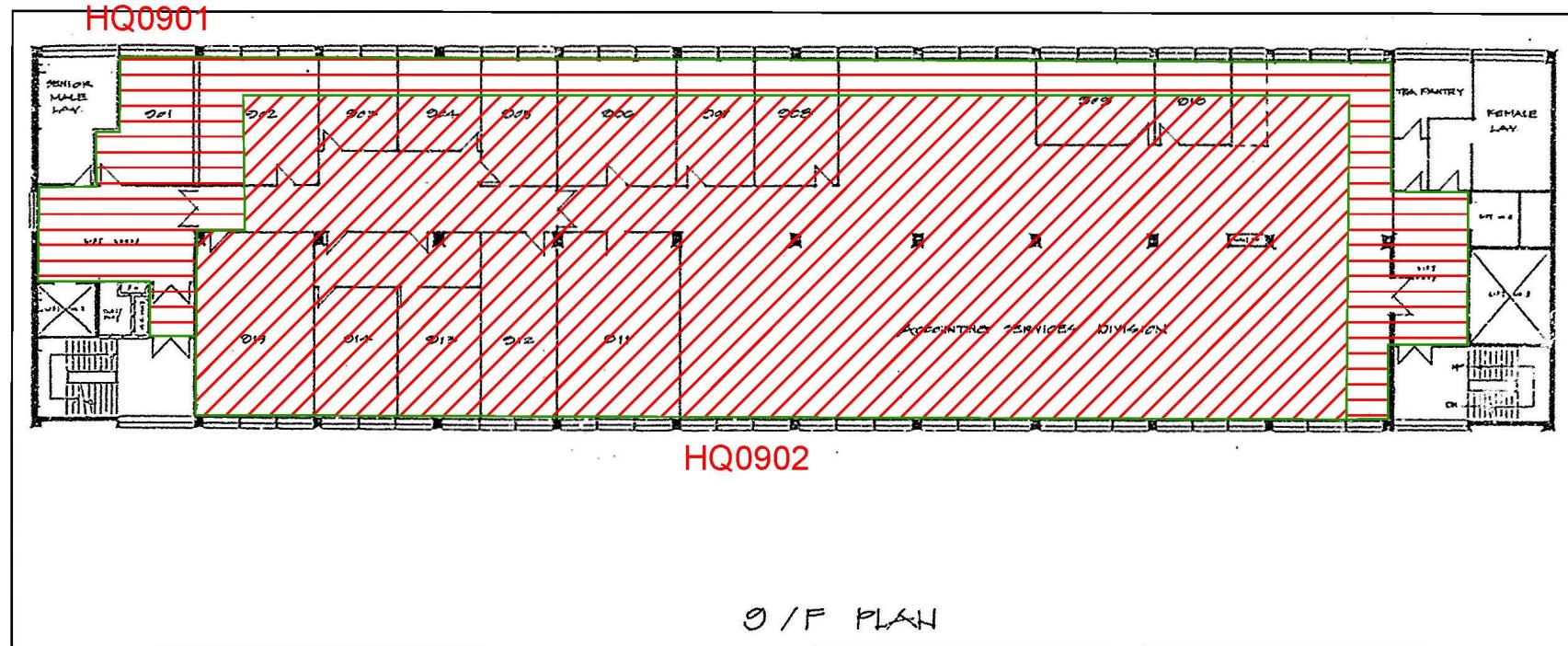
Vinyl floor sheet with mastic containing ACM

CINOTECH
Cinotech Consultants Limited

Programme No.: 794CL

Locations of ACM in EMSD Headquarters (8/F)

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	IA16004	FIGURE NO. A4-HQ10	REV -



Legend

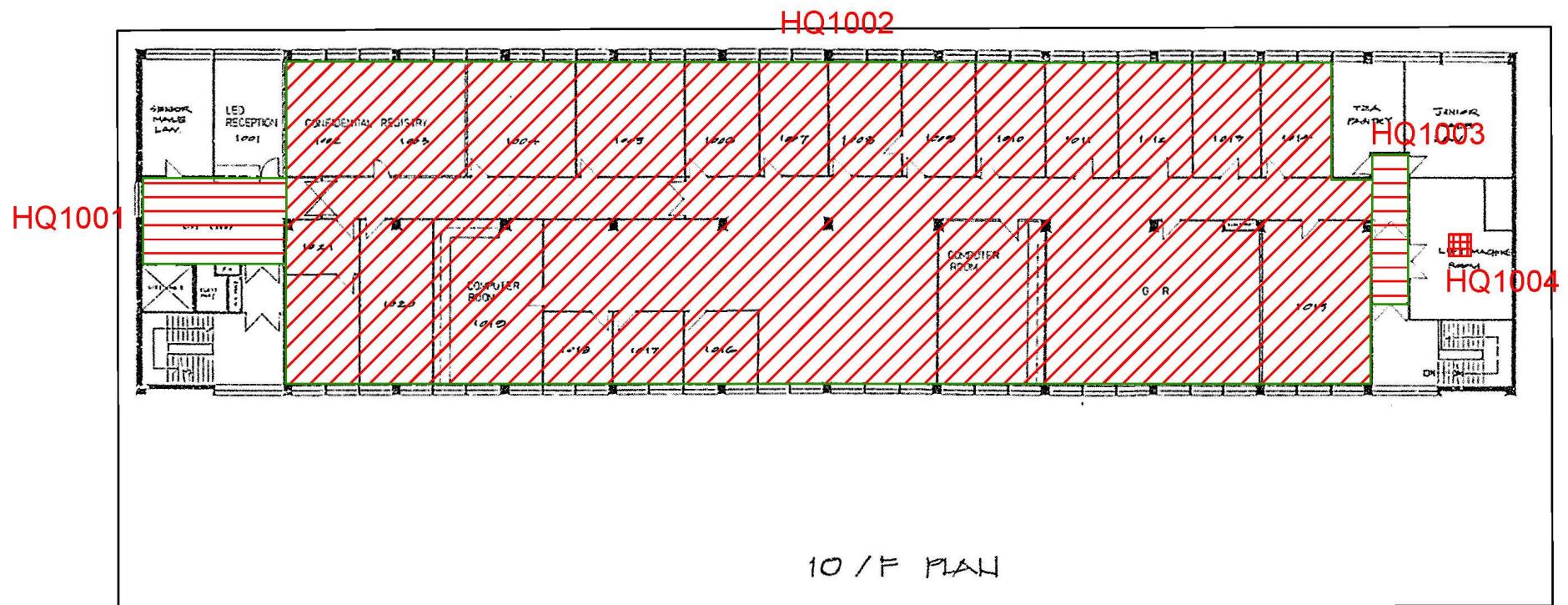


Vinyl floor tile with
mastic containing ACM



Vinyl floor sheet with
mastic containing ACM

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.		FIGURE NO.	REV
IA16004	A4-HQ11	-	



Legend



Vinyl floor tile with
mastic containing ACM

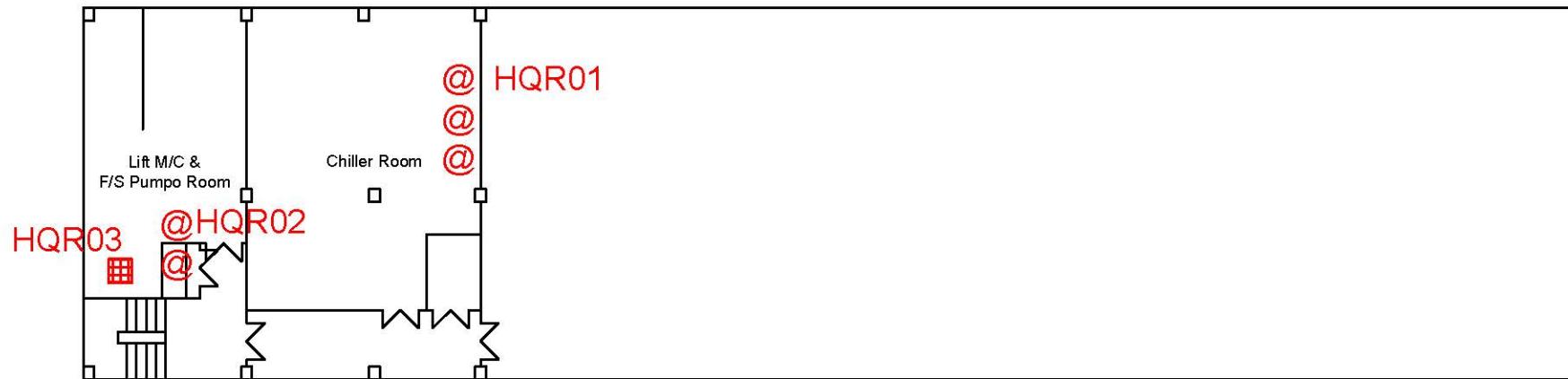


Vinyl floor sheet with
mastic containing ACM



Lift brake pad/shoe
containing ACM

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.		FIGURE NO.	REV
IA16004	A4-HQ12	-	



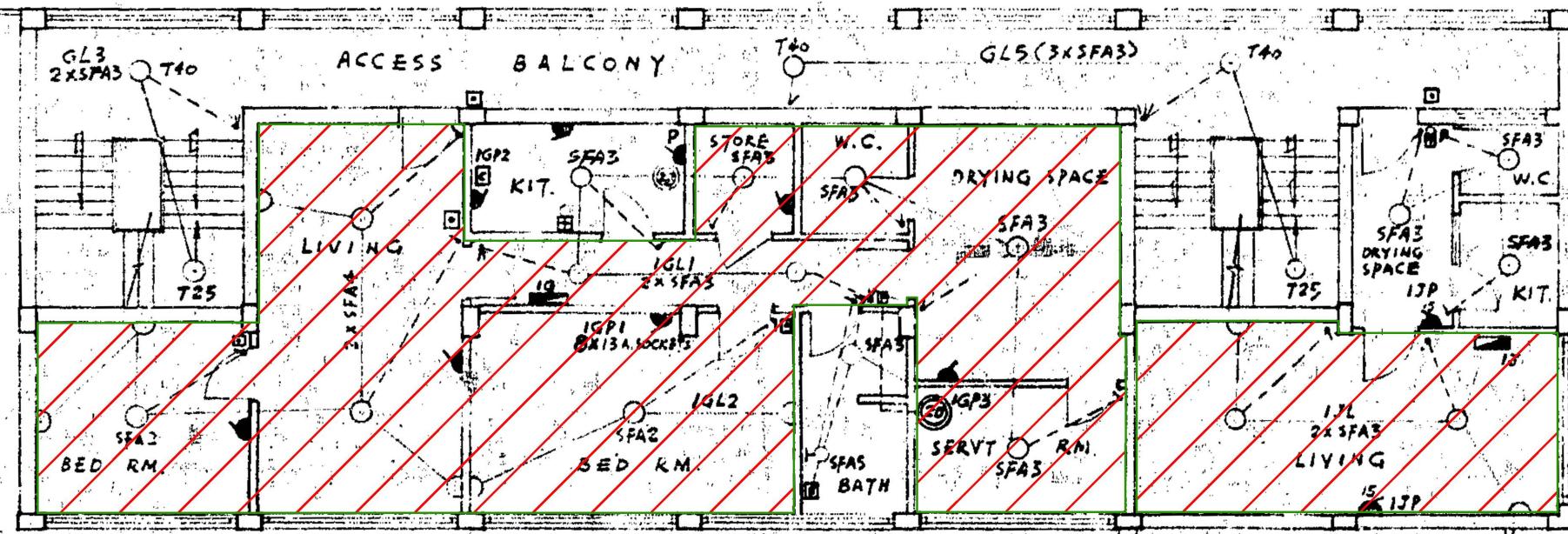
Legend



Switch box with ACM
containing arc cloth



Lift brake pad/shoe
containing ACM



1ST FLOOR PLAN

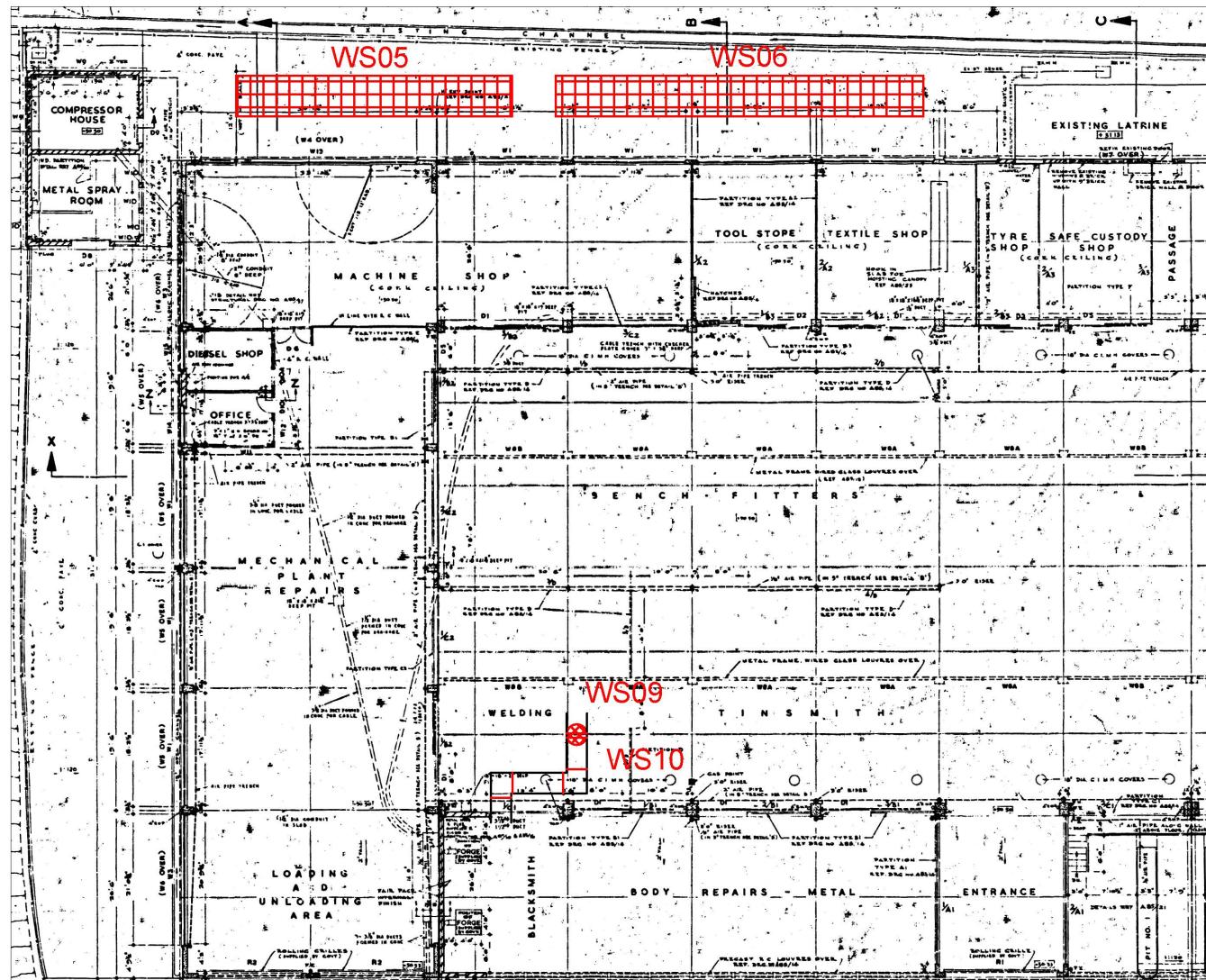
(E.E.M. BLOCK)

Legend



Vinyl floor tile with
mastic containing ACM

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	IA16004	FIGURE NO.	A4-QB1



Legend



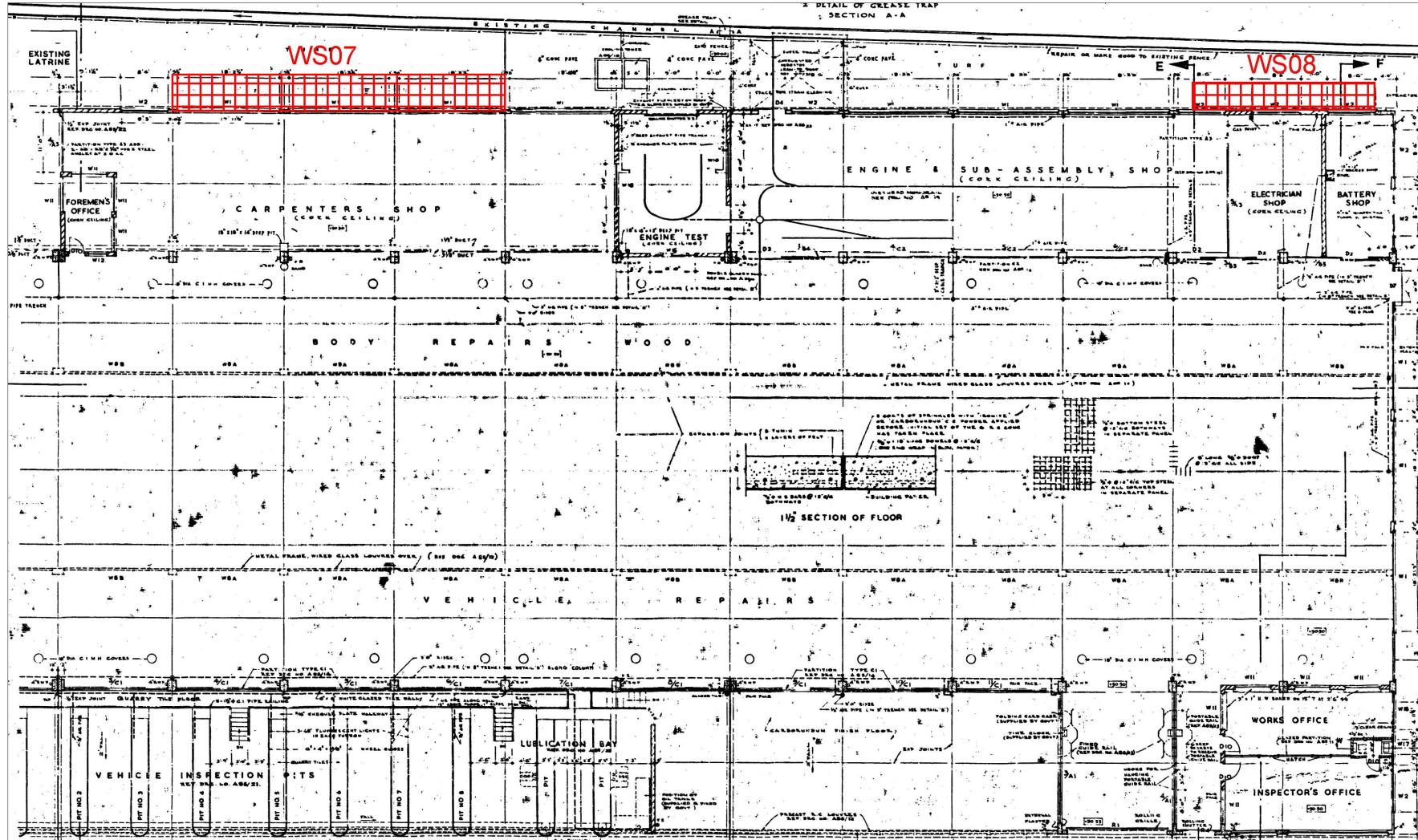
ACM containing
corrugated cement sheet



Rope lagging containing
ACM on flue of generator

Hard gasket containing
ACM on flue of generator

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	IA16004	FIGURE NO.	A4-WS1

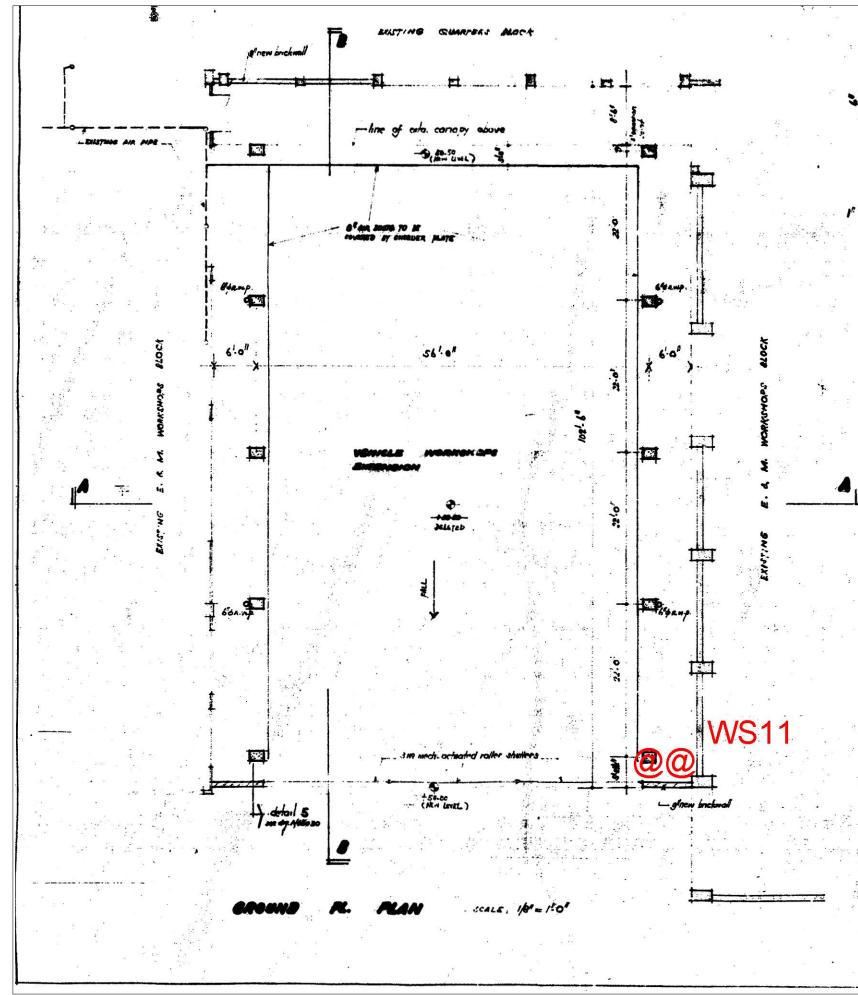


Legend



ACM containing
corrugated cement sheet

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	IA16004	FIGURE NO.	REV
	A4-WS2		-



Legend



Switch box with ACM containing arc cloth

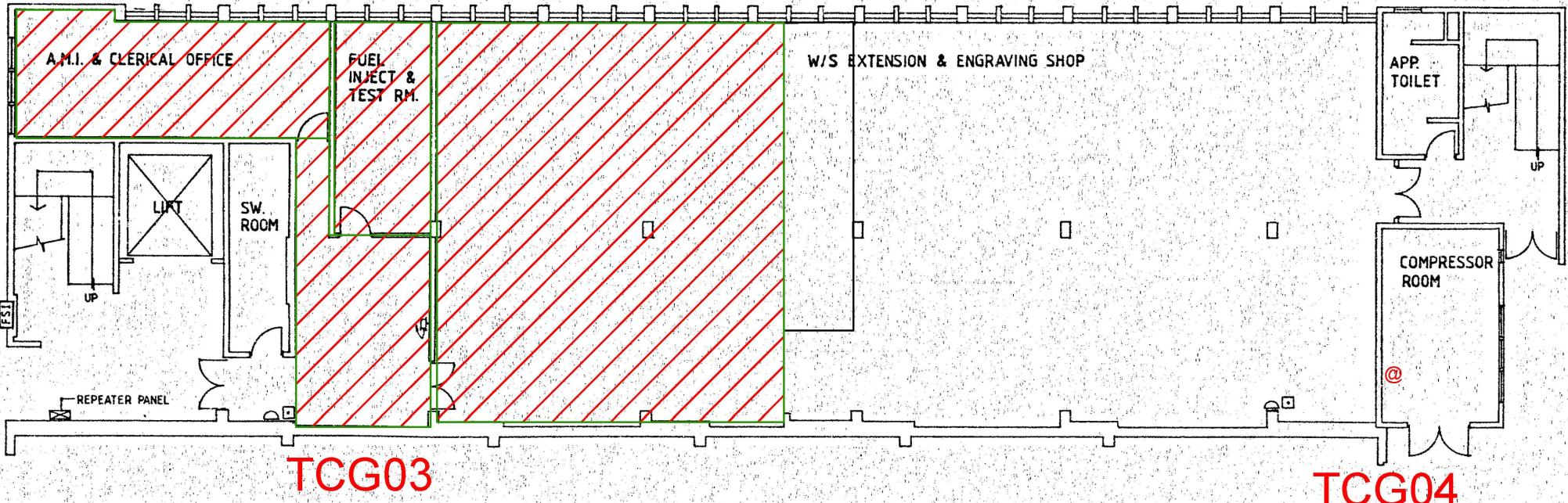
CINOTECH
Cinotech Consultants Limited

Programme No.: 794CL

Locations of ACM in Workshop (Garage)

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	IA16004	FIGURE NO. A4-WS3	REV -

TCG01 TCG02 TCG05



Legend

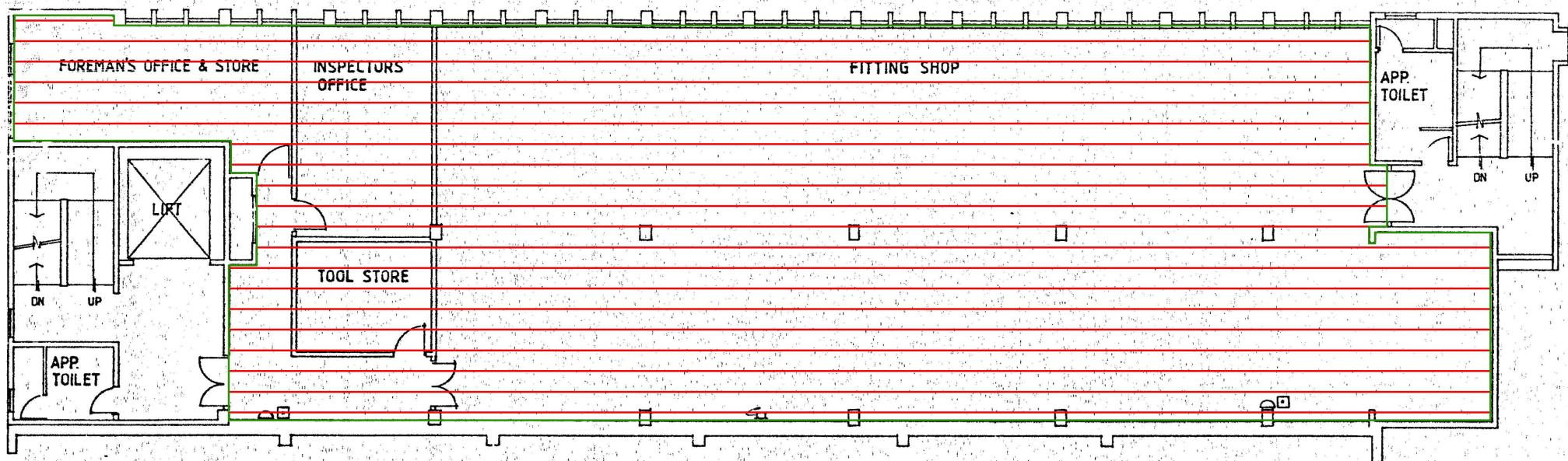


Vinyl floor tile with
mastic containing ACM



Switch box with ACM
containing arc cloth

TC101



FIRST FLOOR PLAN

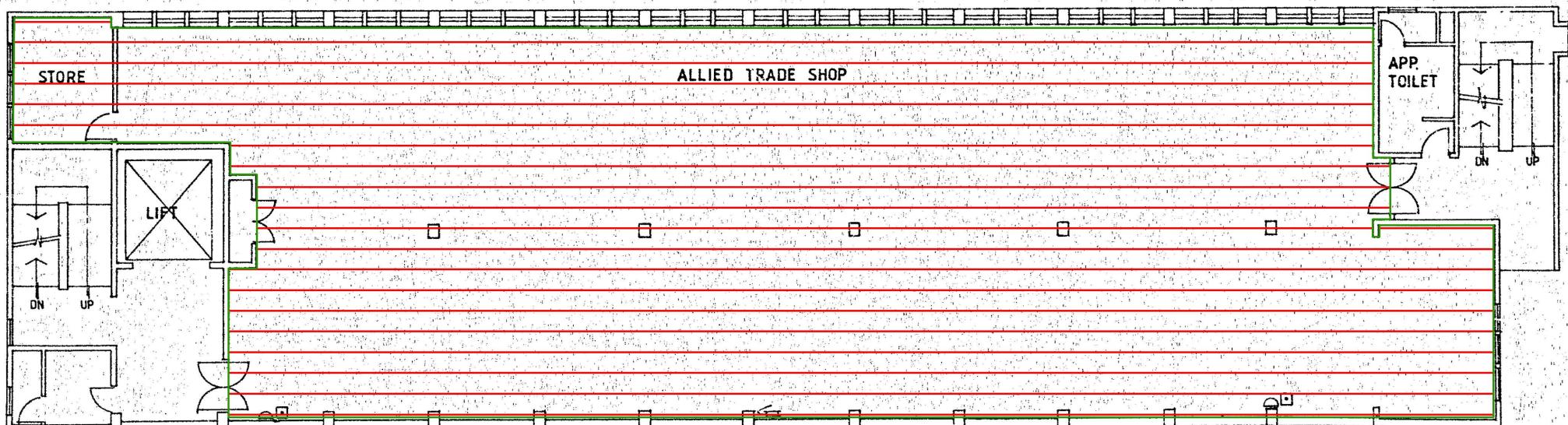
Legend



Vinyl floor sheet
with
mastic containing ACM

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	FIGURE NO.		
	IA16004	A4-TC2	-

TC201



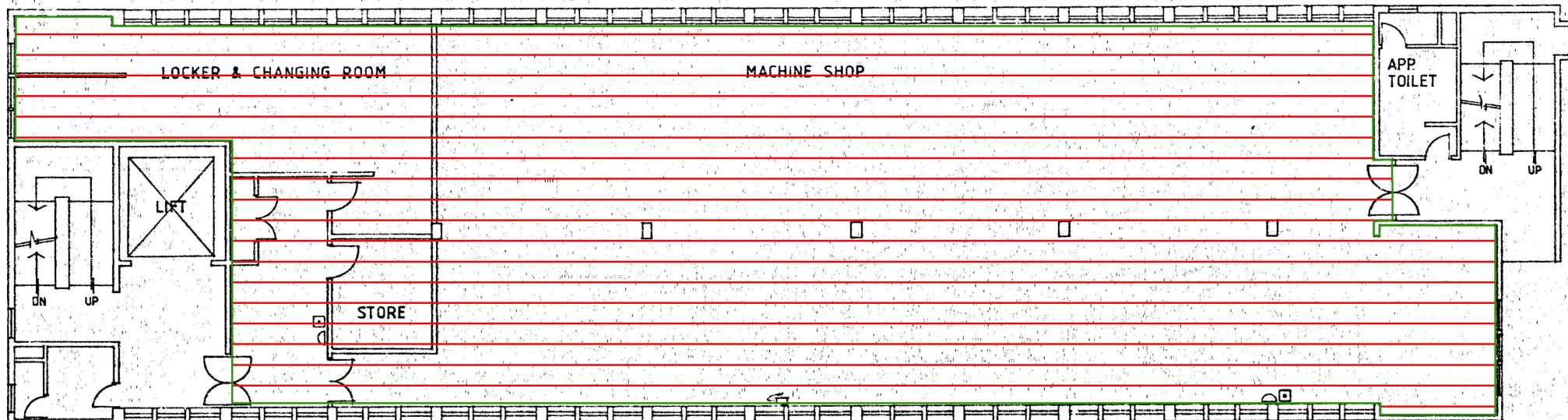
SECOND FLOOR PLAN

Legend



Vinyl floor sheet with
mastic containing ACM

TC301



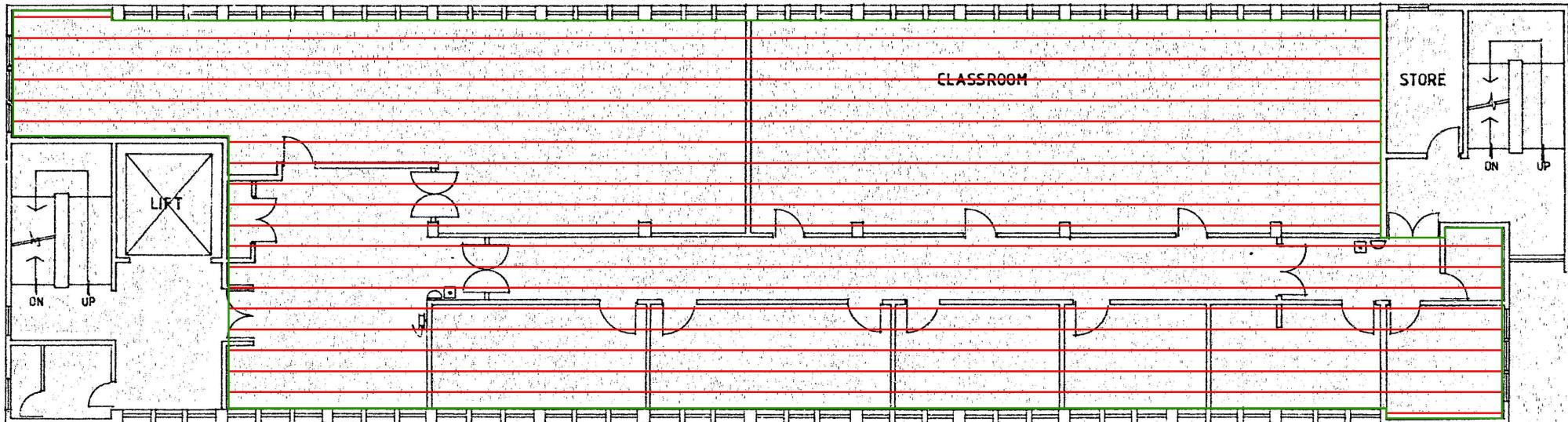
THIRD FLOOR PLAN

Legend



Vinyl floor sheet with
mastic containing ACM

TC401

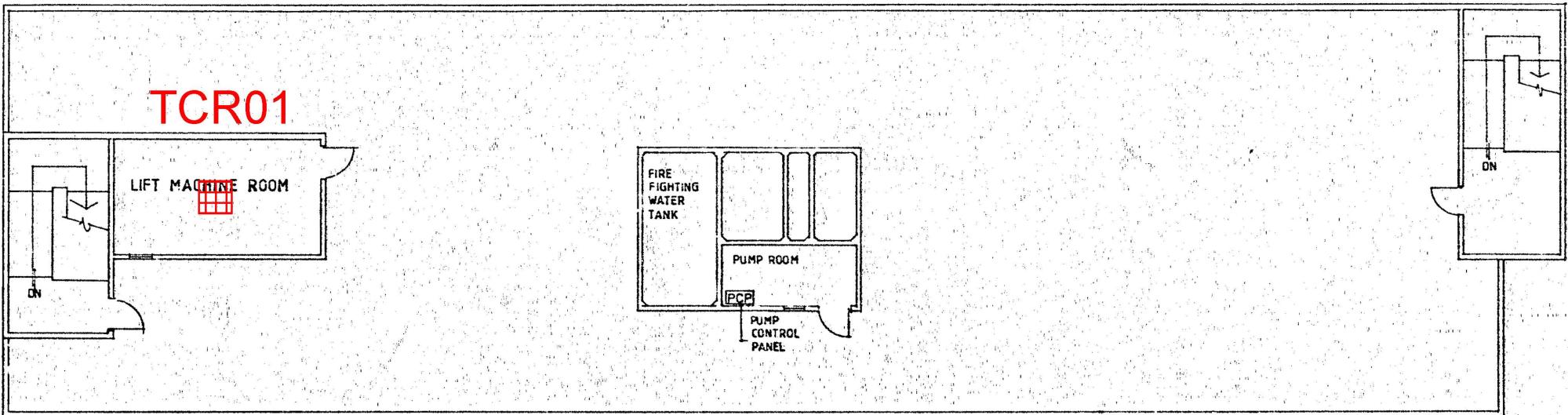


FOURTH FLOOR PLAN

Legend



Vinyl floor sheet with
mastic containing ACM



ROOF PLAN

Legend



Lift brake pad/shoe
containing ACM

SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.	FIGURE NO.		
	IA16004	A4-TC6	-

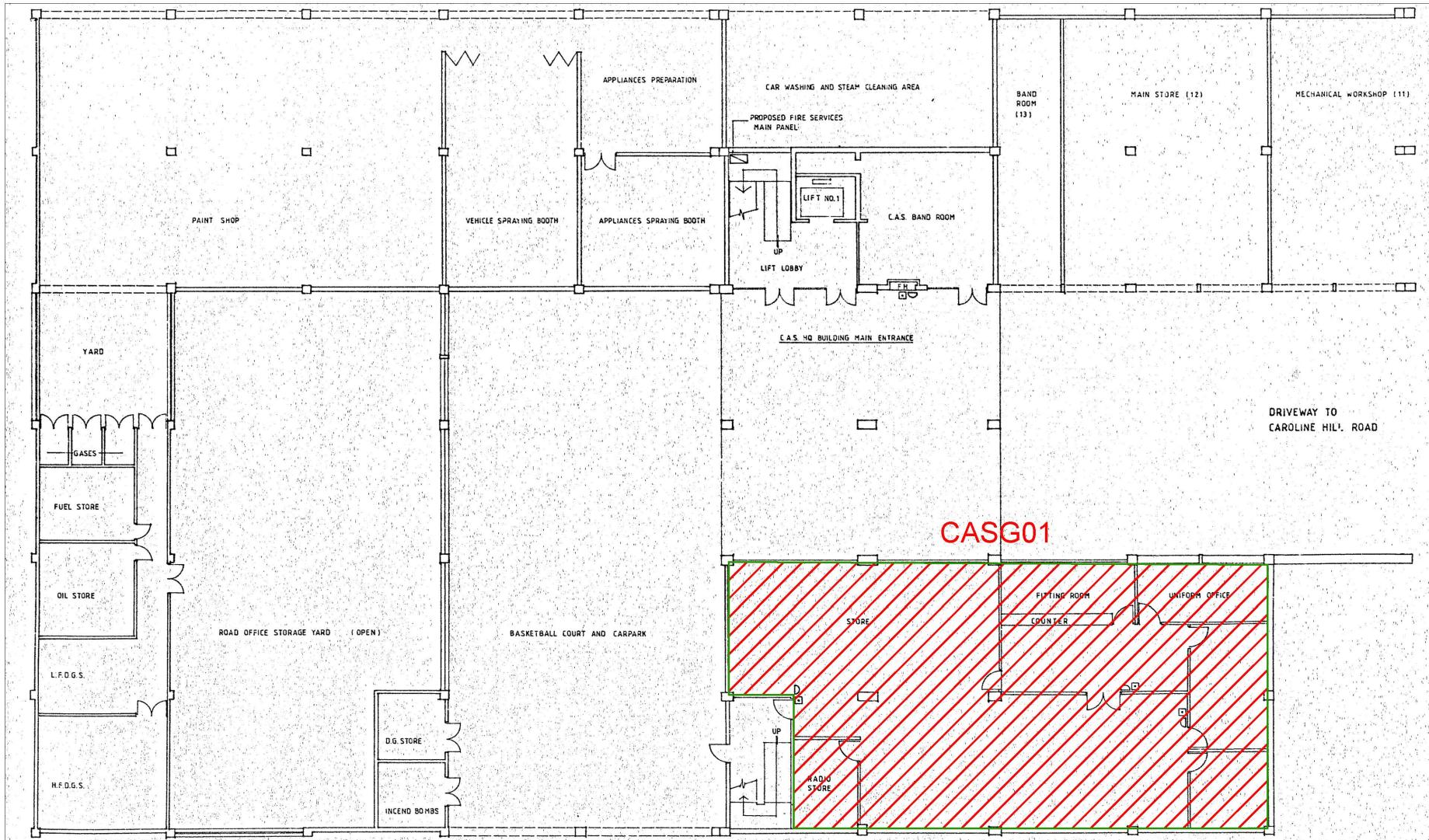


Legend



Vinyl floor tile with
mastic containing ACM

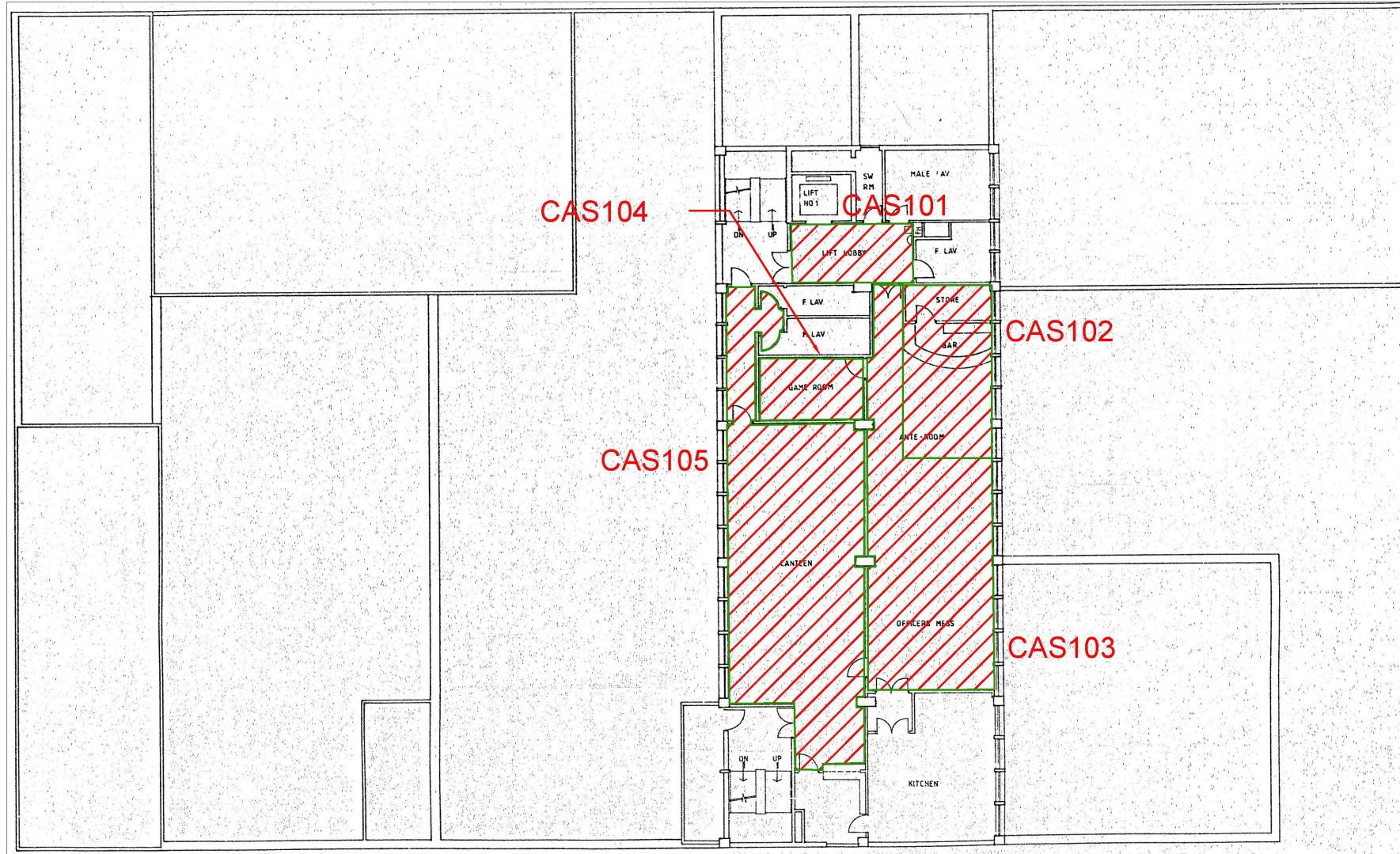
SCALE	N.T.S.	DATE	MAY 2016
CHECK	KS	DRAWN	HT
JOB No.		FIGURE NO.	REV
IA16004	A4-CAS1	-	



Legend



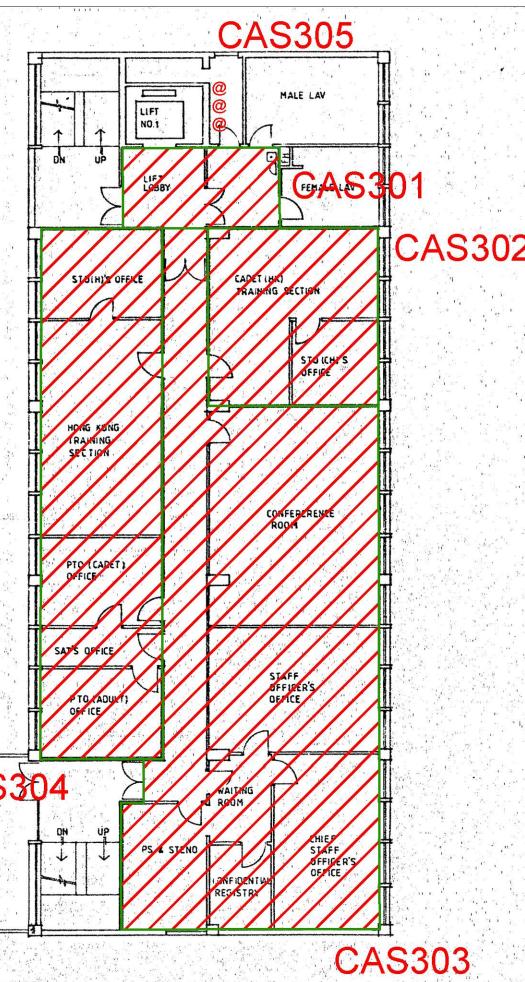
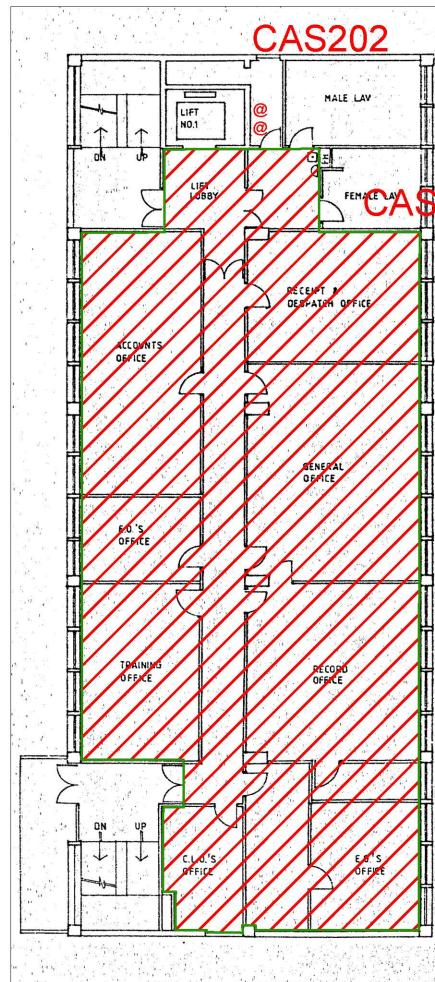
Vinyl floor tile with
mastic containing ACM



Legend



Vinyl floor tile with
mastic containing ACM



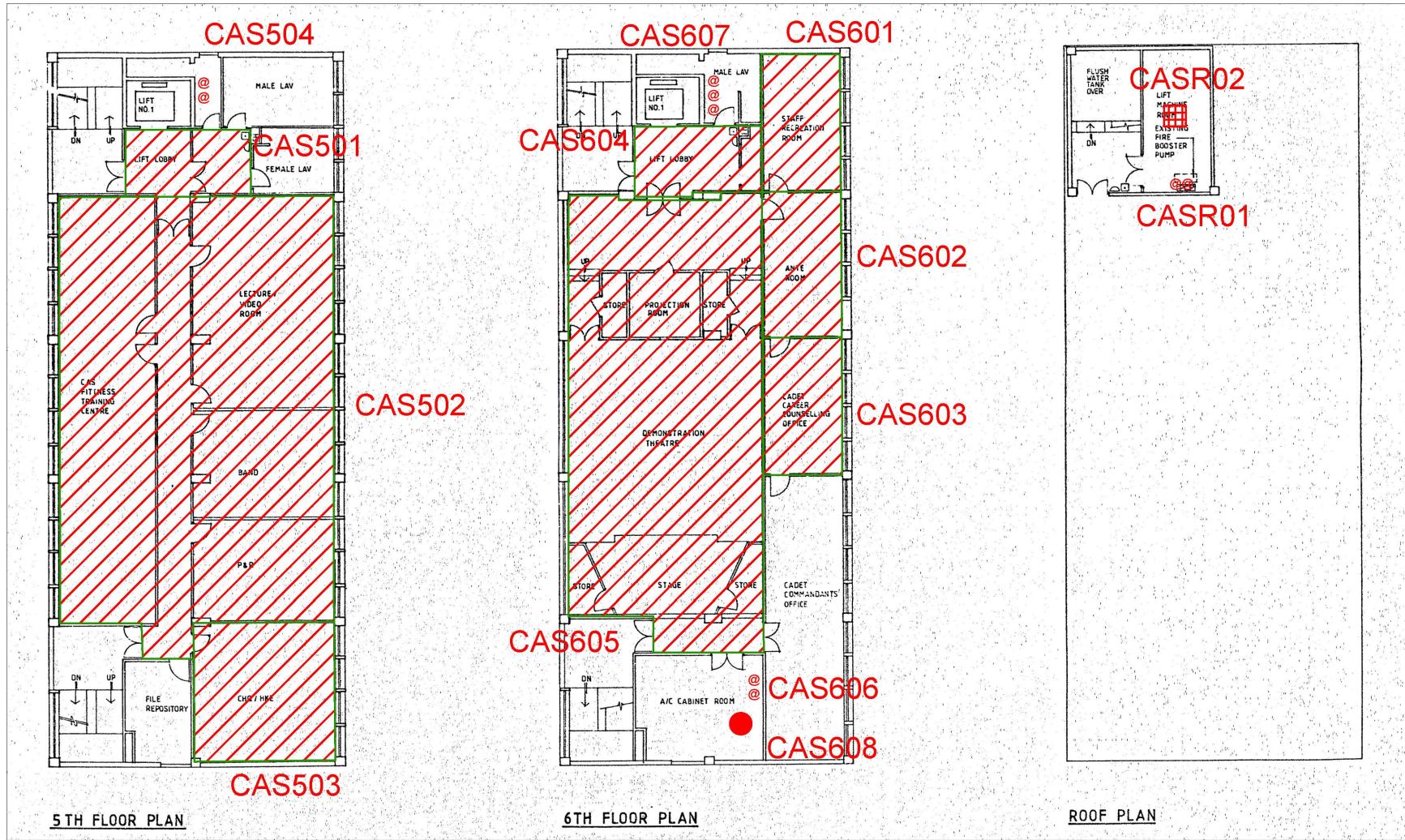
Legend



Vinyl floor tile with
mastic containing ACM



Switch box with ACM
containing arc cloth



Legend



Vinyl floor tile with
mastic containing ACM



Switch box with ACM
containing arc cloth

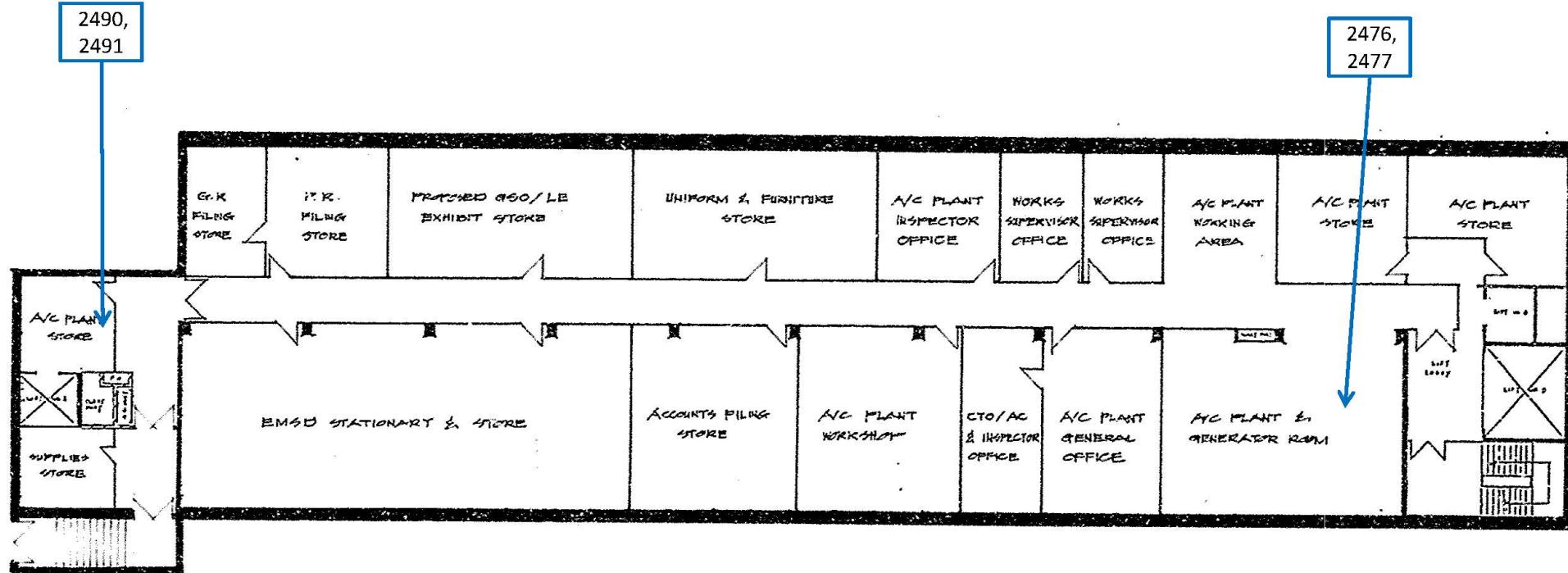


Insulation board containing
ACM inside heater box



Lift brake pad/shoe
containing ACM

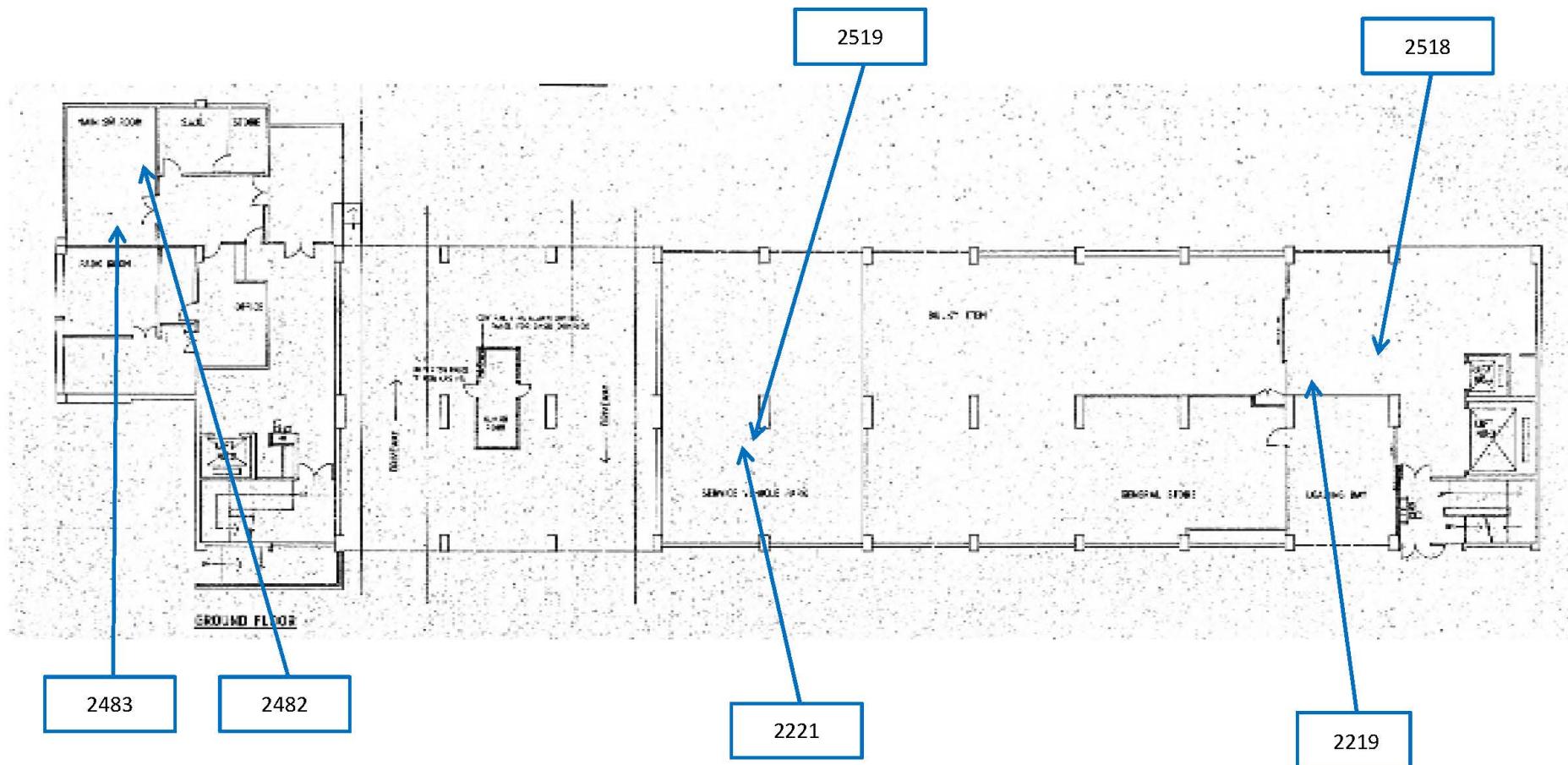
Annex V
Locations of Photos Taken



BASEMENT PLAN

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay		Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 1the 1st Basement, EMSD Headquarters		Date MAY 2016	Figure A5-HQ1

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Locations of Photos Taken on G/F, EMSD Headquarters

Scale

N.T.S.

Project No.

AS16004

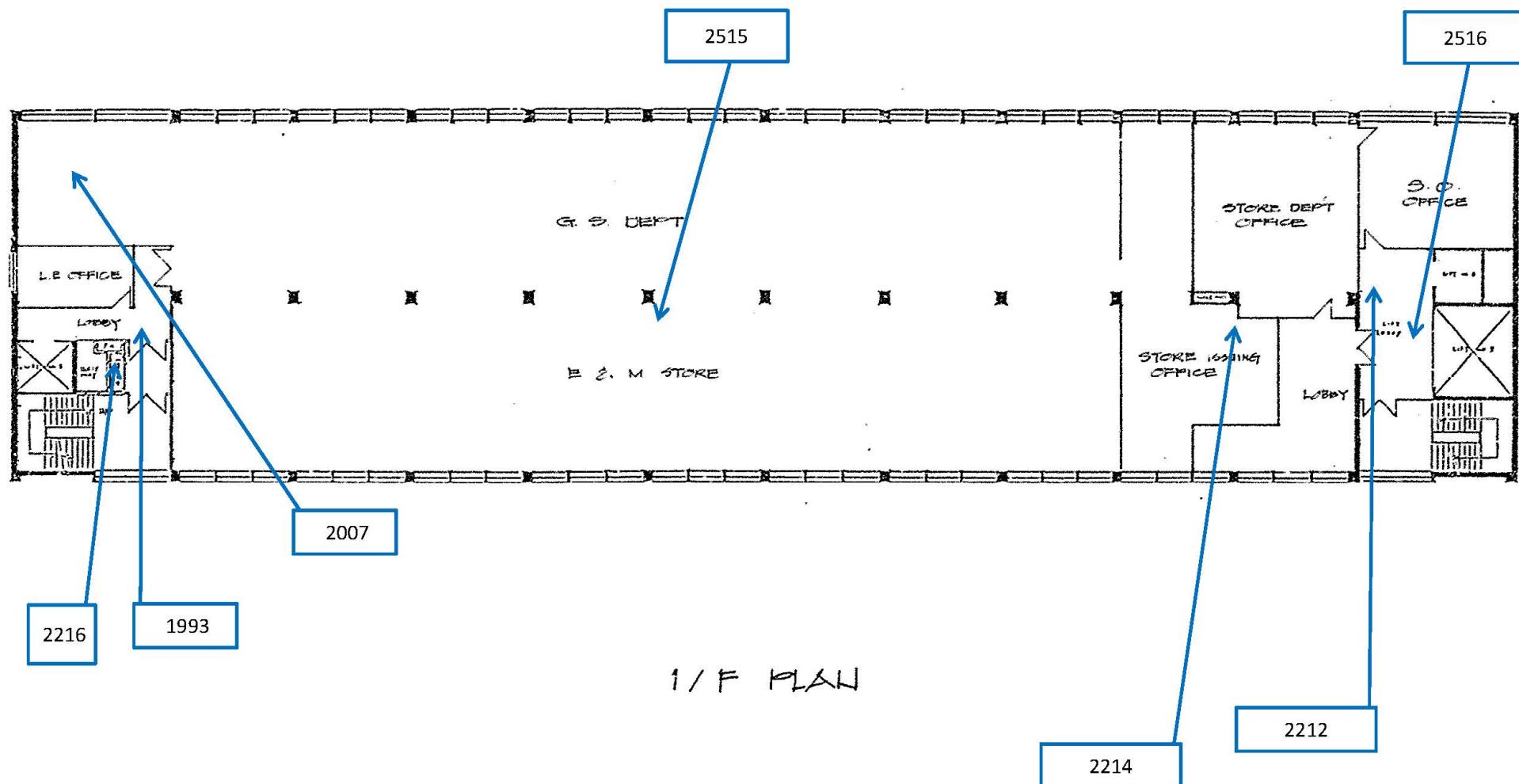
Date

MAY 2016

Figure

A5-HQ2

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Locations of Photos Taken on 1/F, EMSD Headquarters

Scale

N.T.S.

Project No.

AS16004

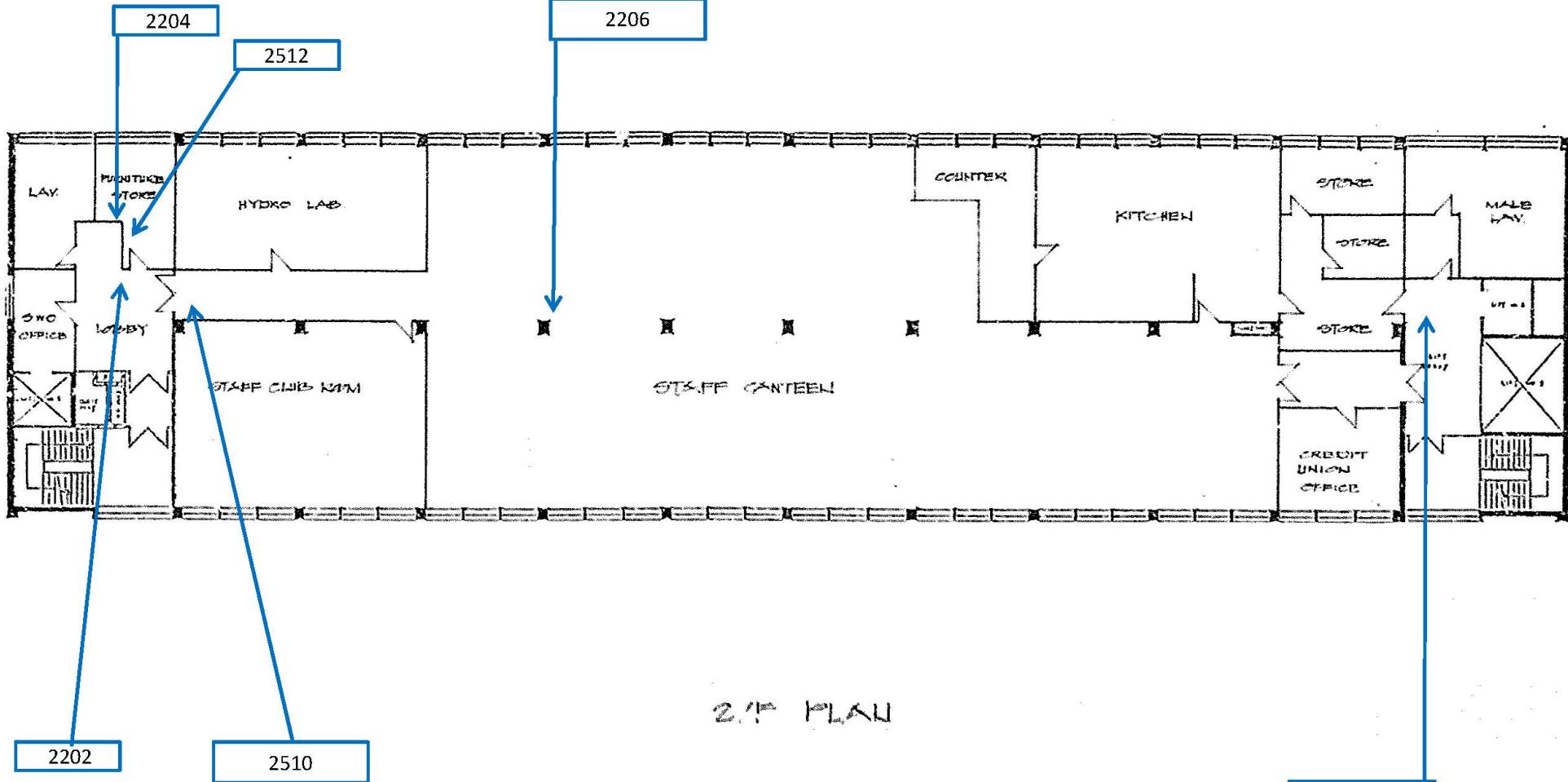
Date

MAY 2016

Figure

A5-HQ3

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Locations of Photos Taken on 2/F, EMSD Headquarters

Scale

N.T.S.

Project No.

AS16004

Figure Title

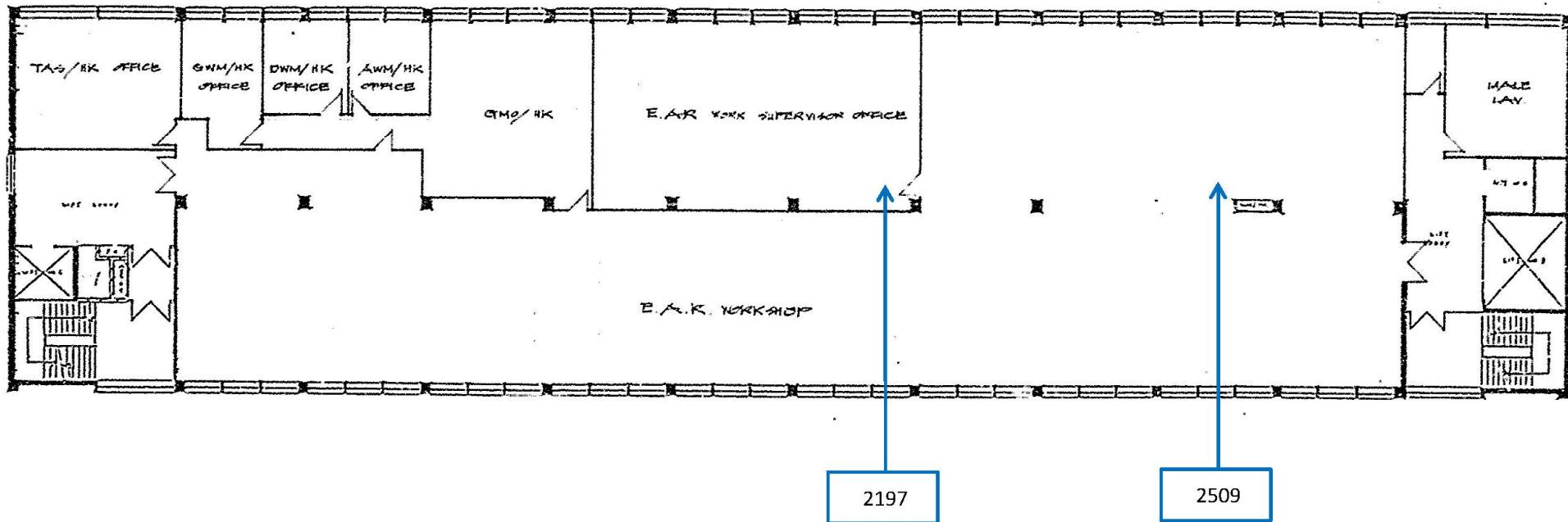
Date

MAY 2016

Figure

A5-HQ4

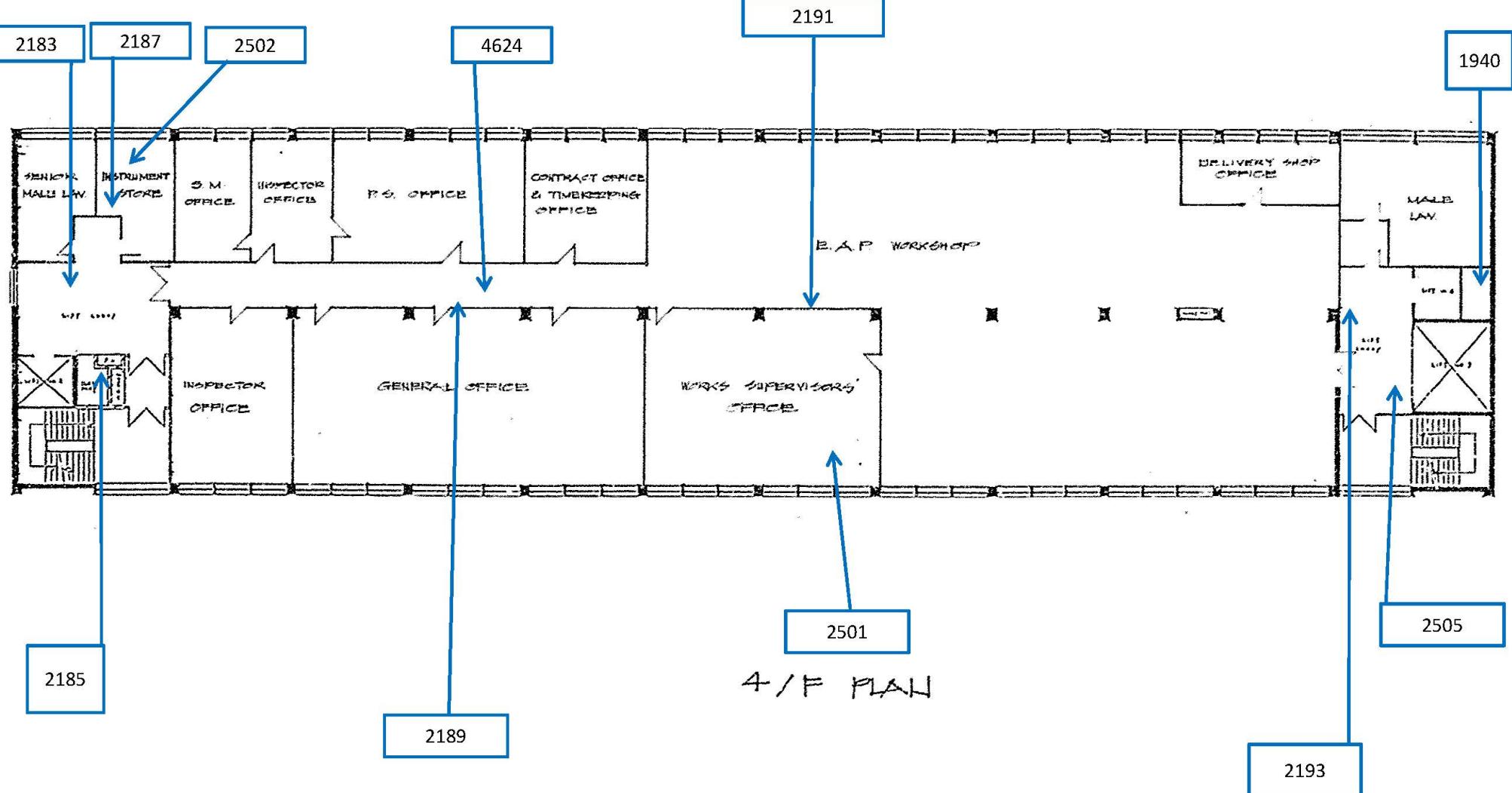
CINOTECH



3/F PLAN

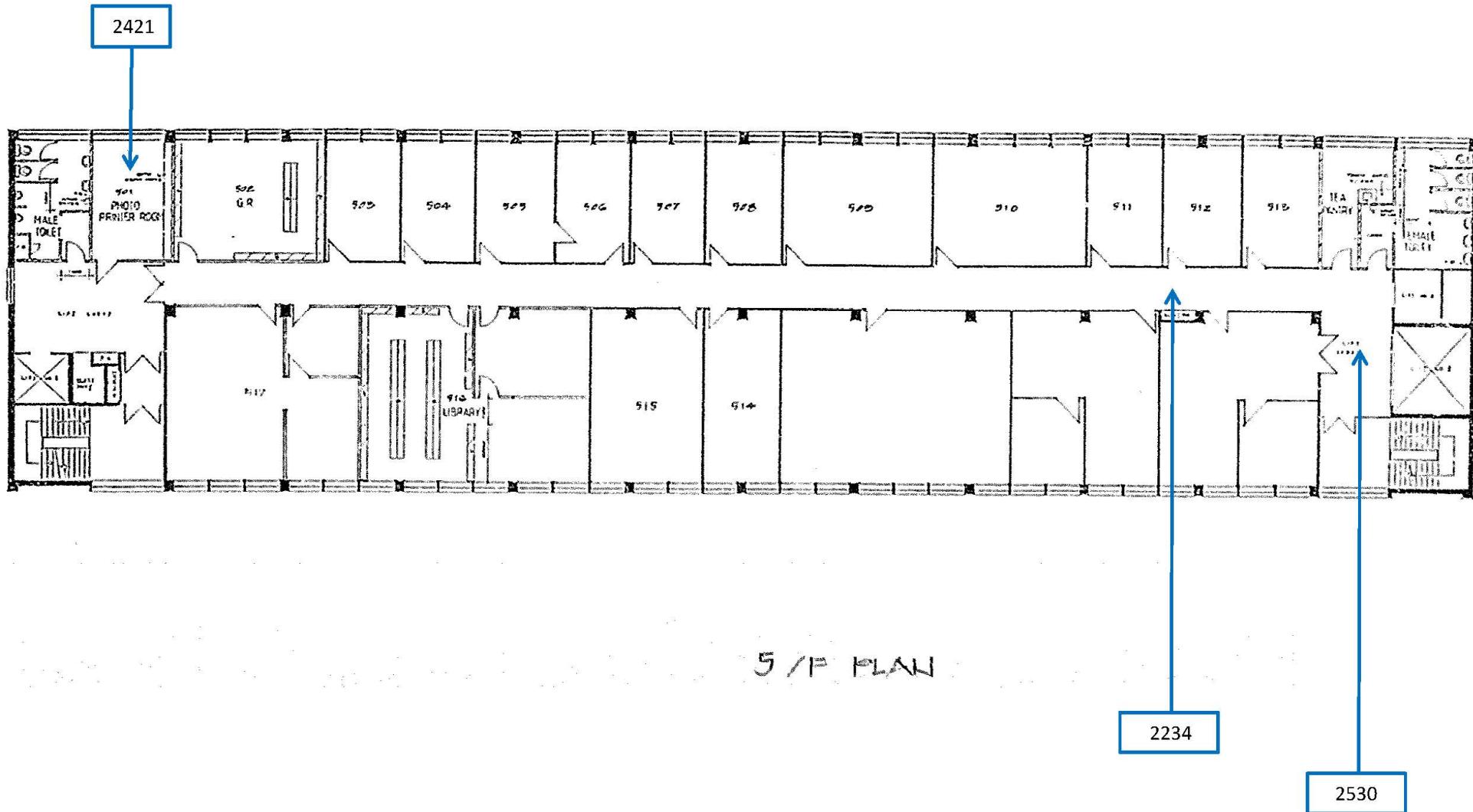
Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 3/F, EMSD Headquarters	Date MAY 2016	Figure A5-HQ5

CINOTECH



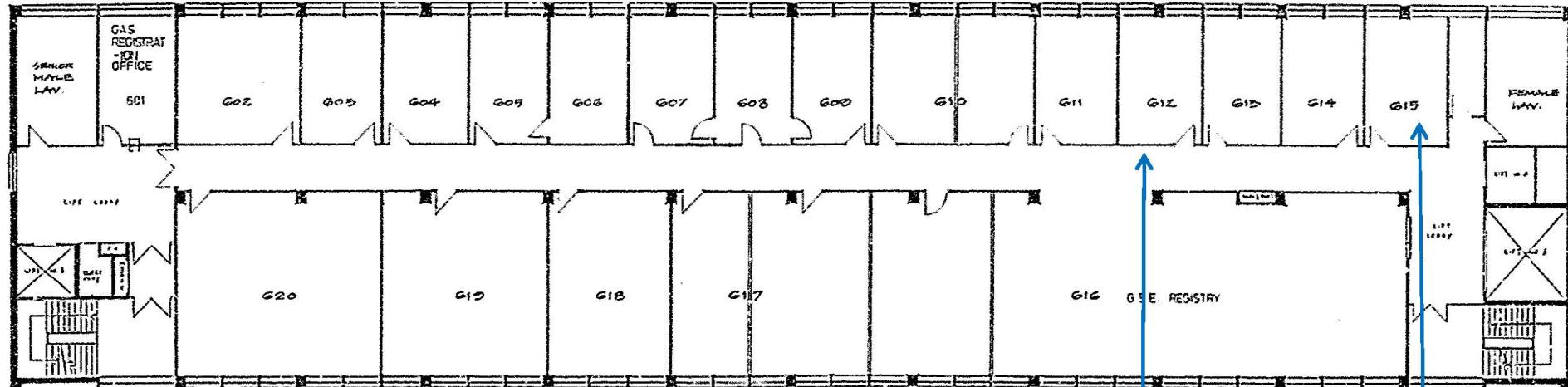
Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 4/F, EMSD Headquarters	Date MAY 2016	Figure A5-HQ6

CINOTECH



Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay		Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 5/F, EMSD Headquarters		Date MAY 2016	Figure A5-HQ7

CINOTECH



6/F PLAN

2231

2527

Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Locations of Photos Taken on 6/F, EMSD Headquarters

Scale

N.T.S.

Project No.

AS16004

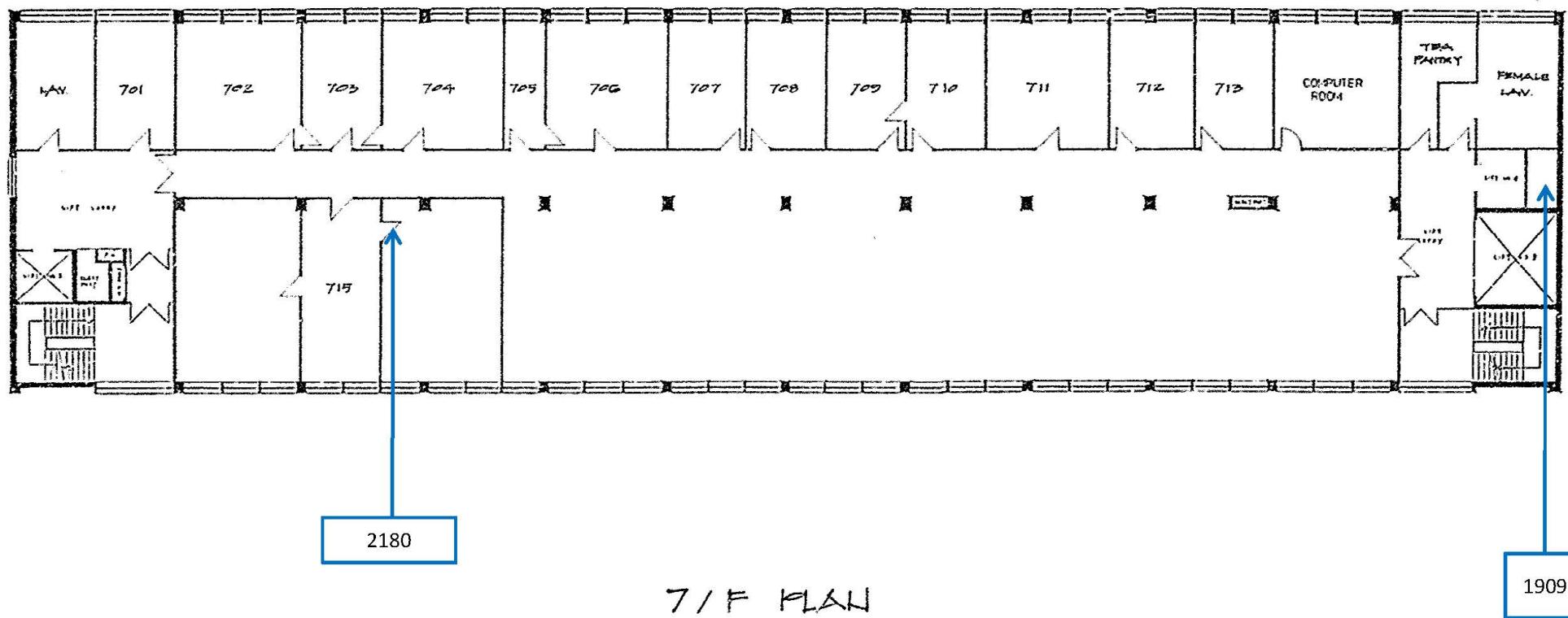
Date

MAY 2016

Figure

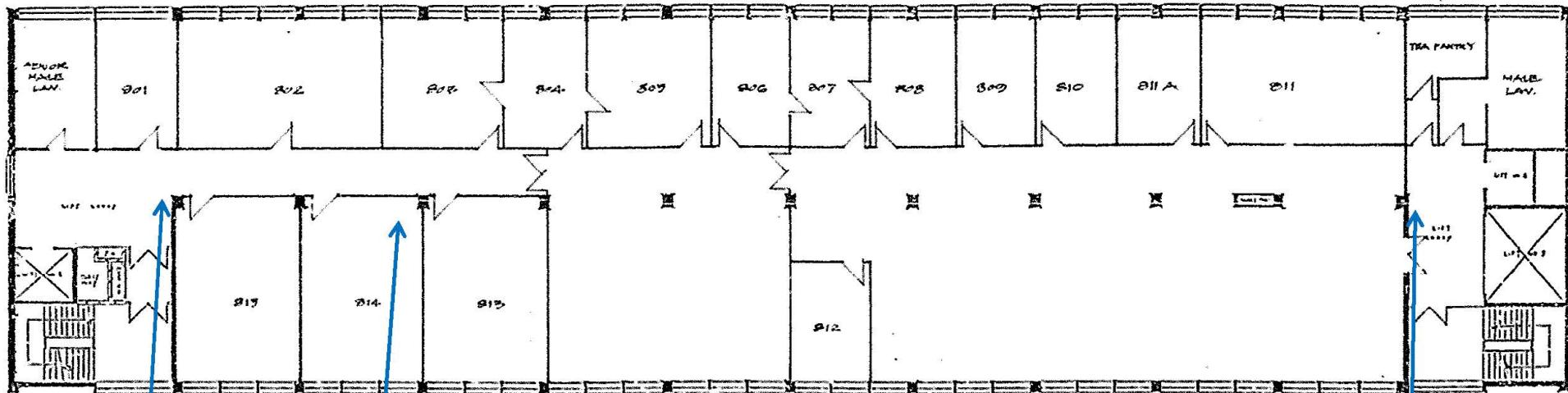
A5-HQ8

CINOTECH



Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 7/F, EMSD Headquarters	Date MAY 2016	Figure A5-HQ9

CINOTECH



S / F PLAN

1884

2173

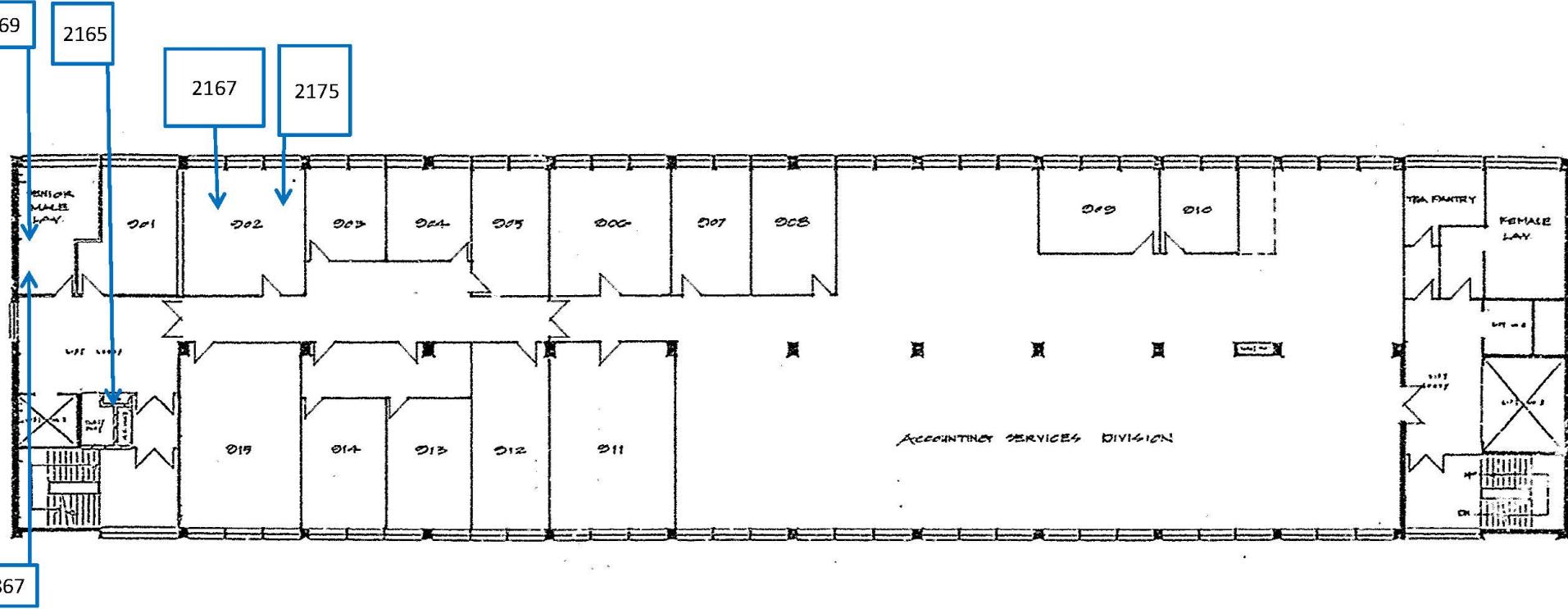
2177

Project Title
Figure Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay
Locations of Photos Taken on 8/F, EMSD Headquarters

Scale N.T.S.	Project No. AS16004
Date MAY 2016	Figure A5-HQ10

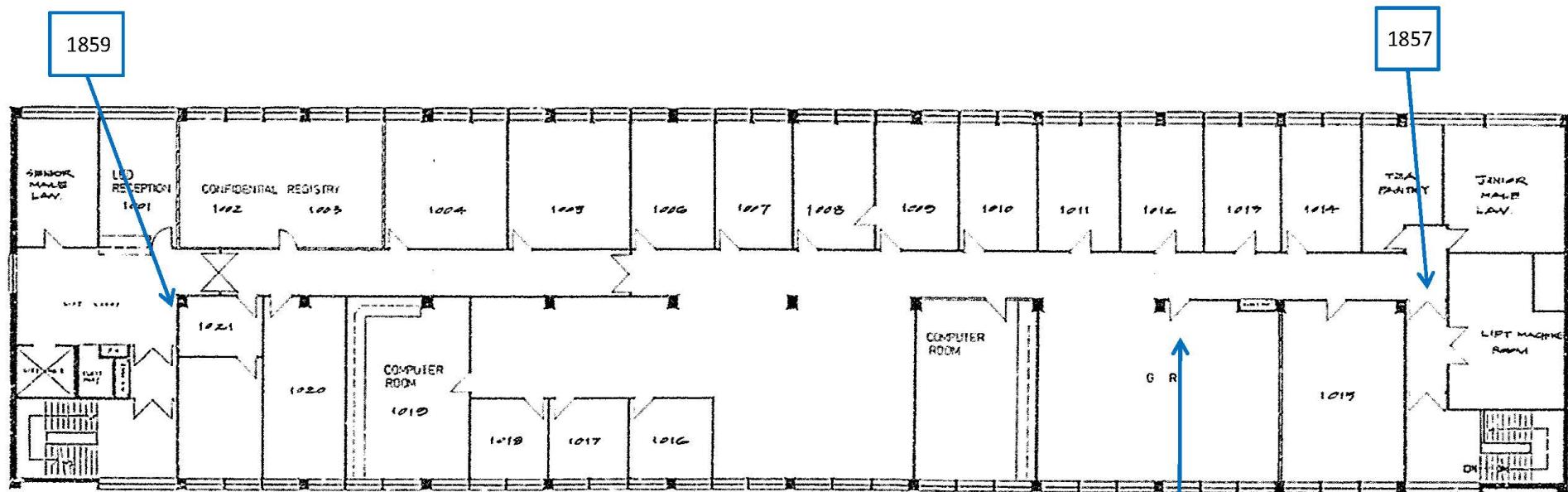
CINOTECH



9/F PLAN

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 9/F, EMSD Headquarters	Date MAY 2016	Figure A5-HQ11

CINOTECH



10 / F PLAN

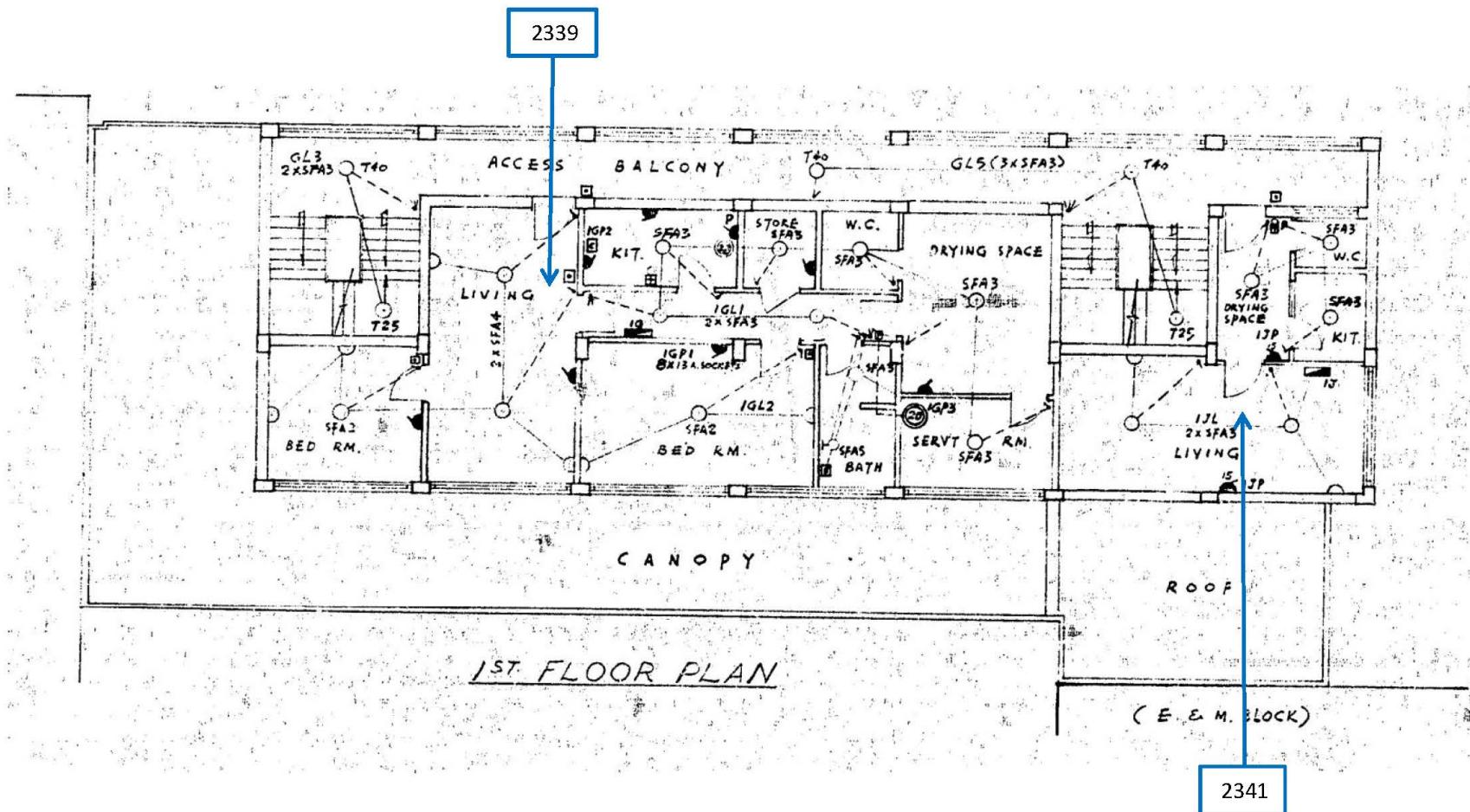
Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 10/F, EMSD Headquarters	Date MAY 2016	Figure A5-HQ12

CINOTECH

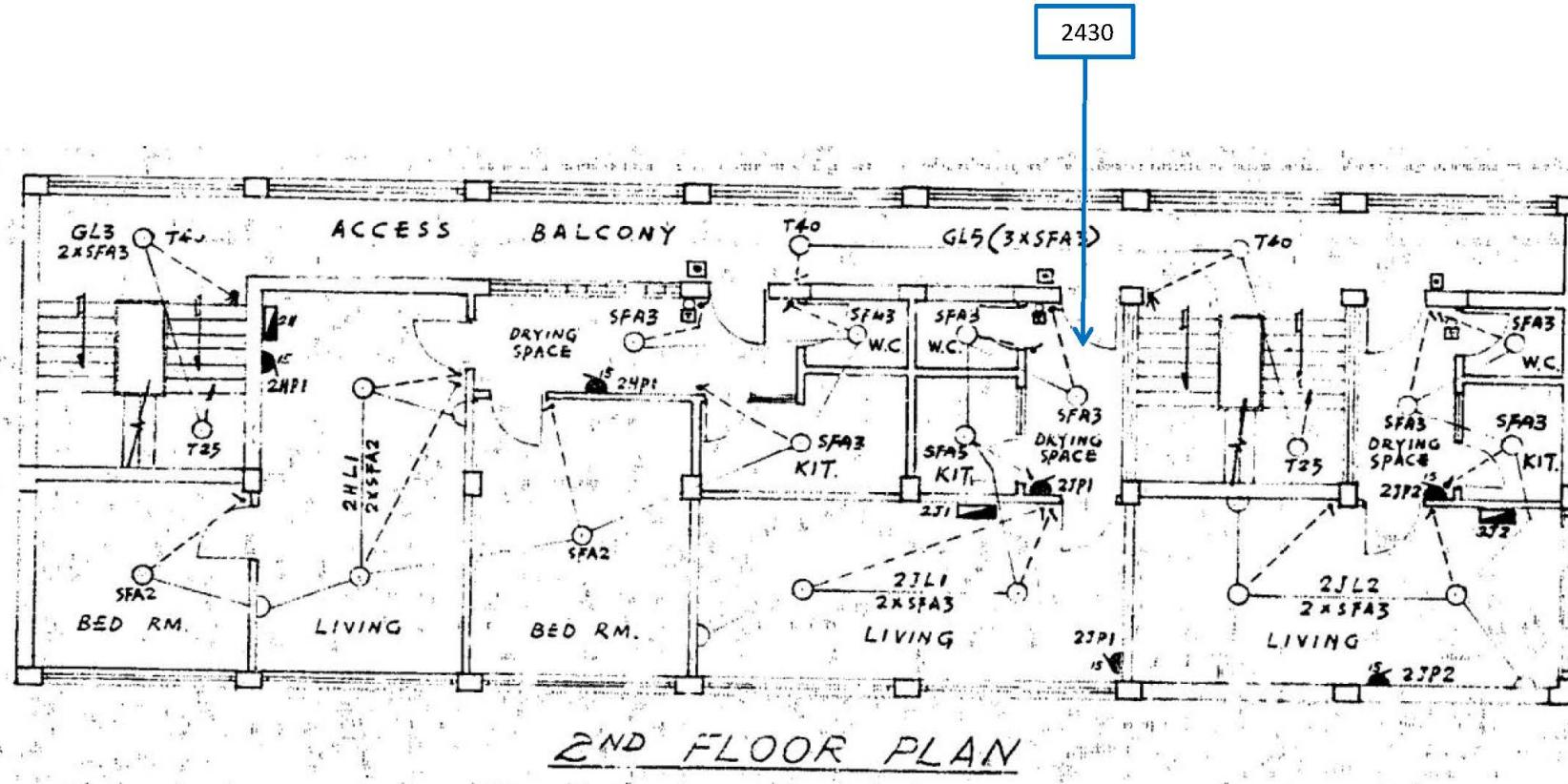


Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on Roof (R/F), EMSD Headquarters	Date MAY 2016	Figure A5-HQ13

CINOTECH



Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 1/F, Quarter Block	Date MAY 2016	Figure A5-QB1



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Locations of Photos Taken on 2/F, Quarter Block

Scale

N.T.S.

Project No.

AS16004

Figure Title

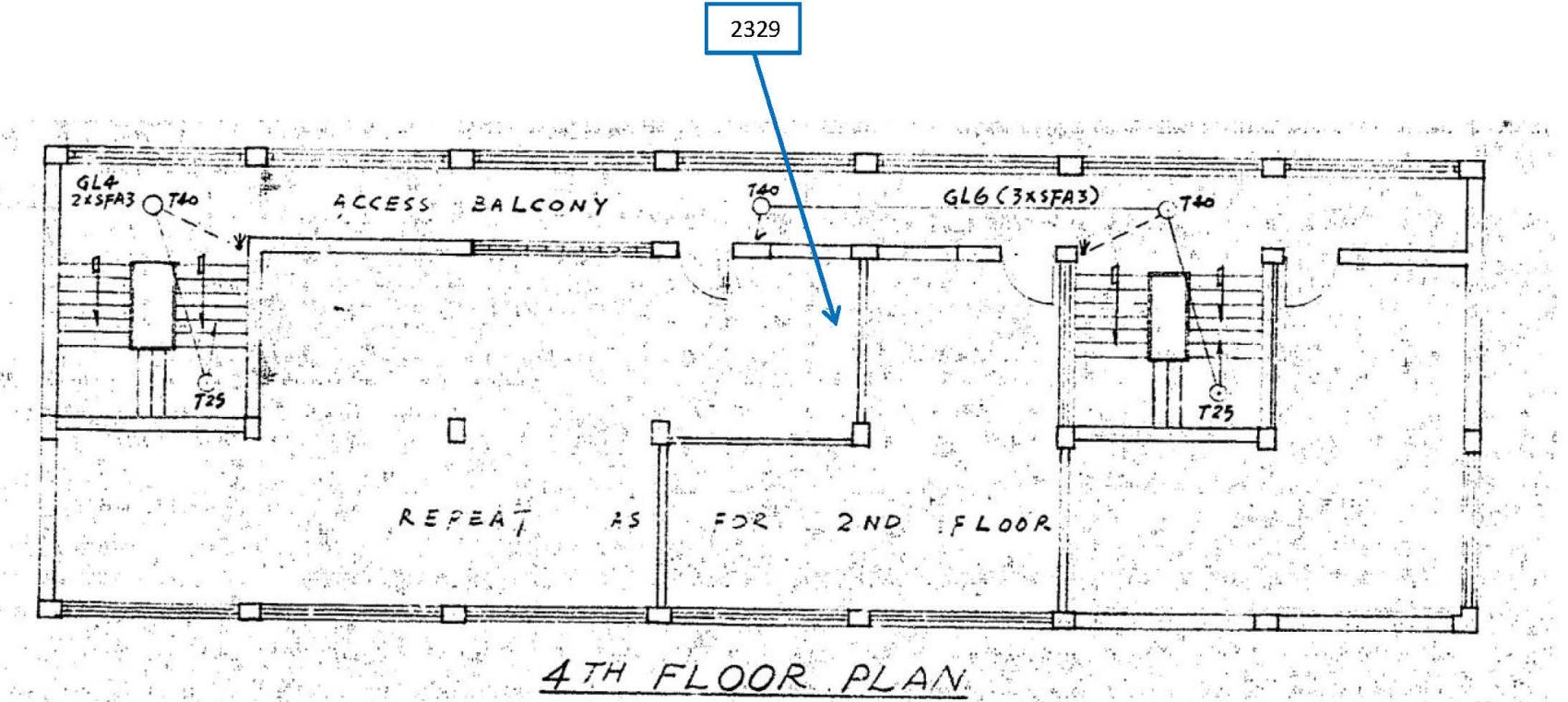
Date

MAY 2016

Figure

A5-QB2

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Locations of Photos Taken on 4/F, Quarter Block

Scale

N.T.S.

Project No.

AS16004

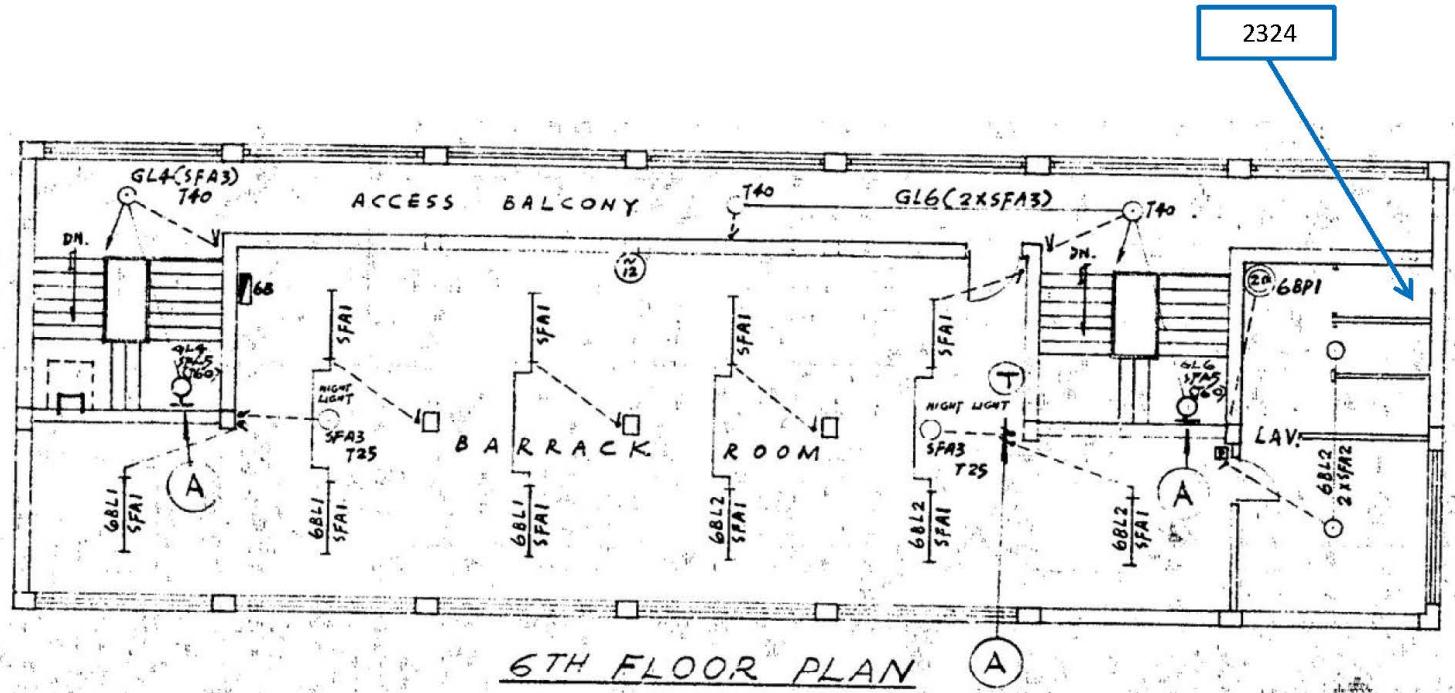
Date

MAY 2016

Figure

A5-QB3

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Locations of Photos Taken on 6/F, Quarter Block

Scale

N.T.S.

Project No.

AS16004

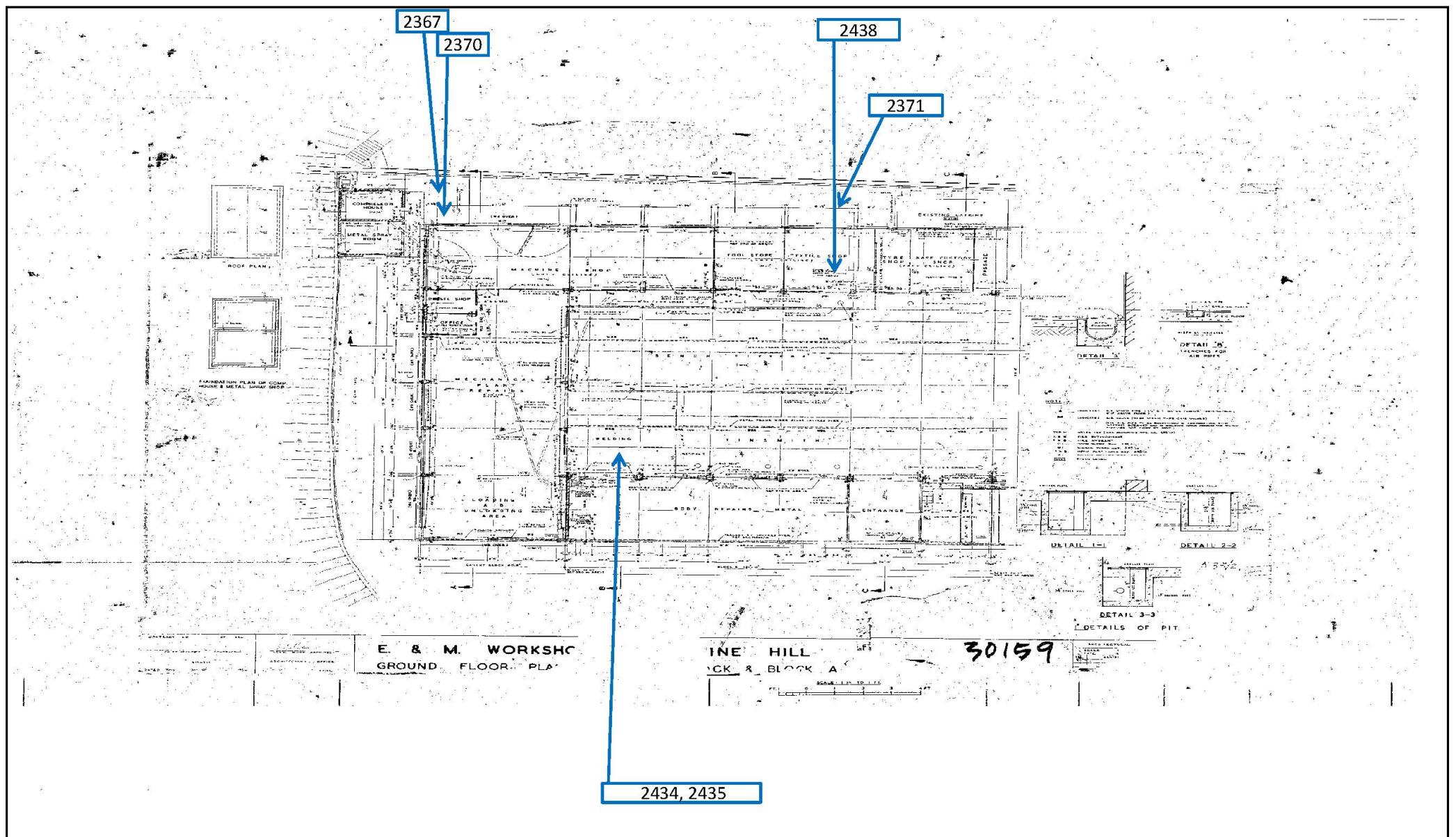
Date

MAY 2016

Figure

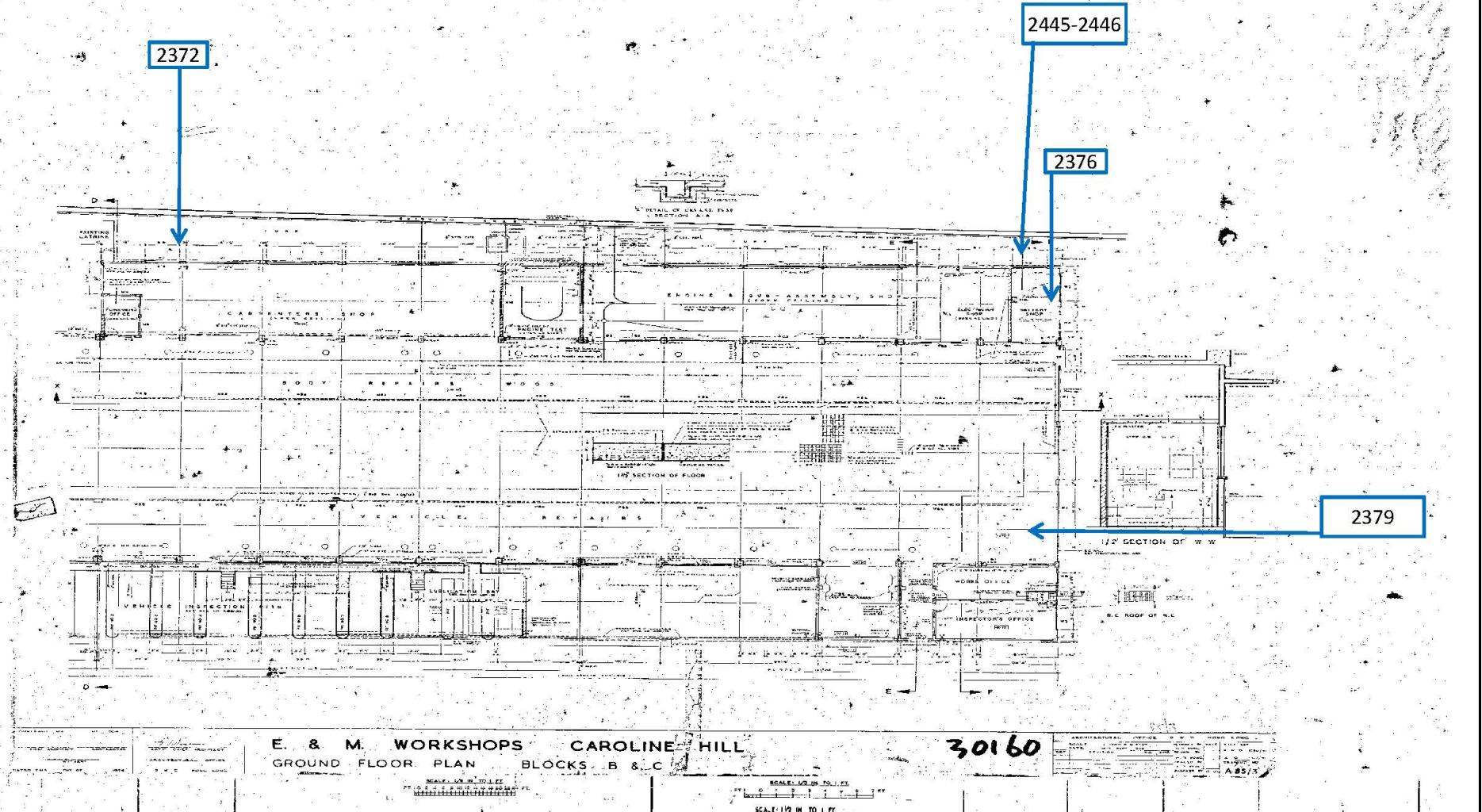
A5-QB4

CINOTECH



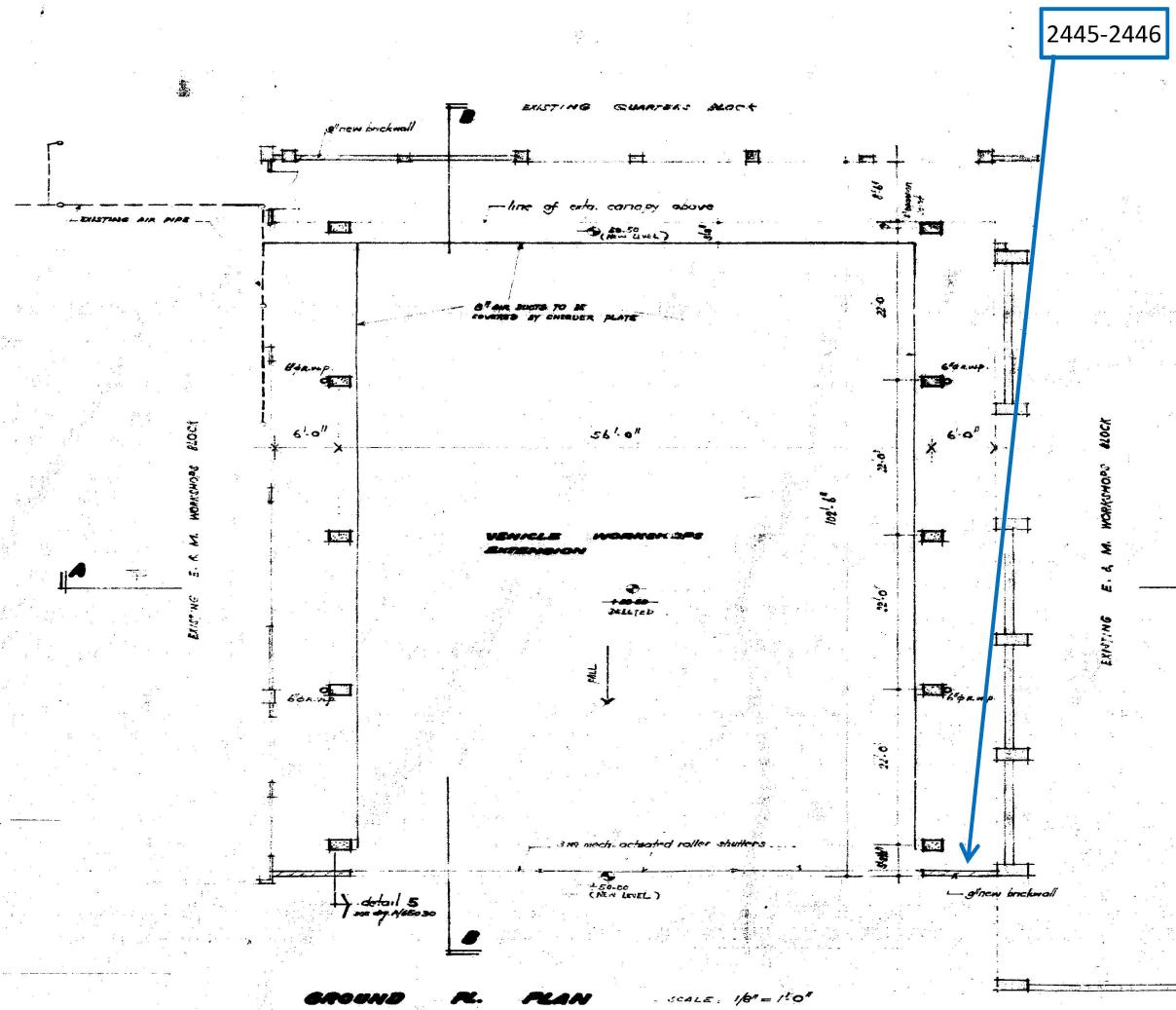
Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken in Workshop (Gantry Block & Block A)	Date MAY 2016	Figure A5-WS1

CINOTECH



Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken in Workshop (Block B & Block C)	Date MAY 2016	Figure A5-WS2

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Locations of Photos Taken in Workshop (Garage)

Scale

N.T.S.

Project No.

AS16004

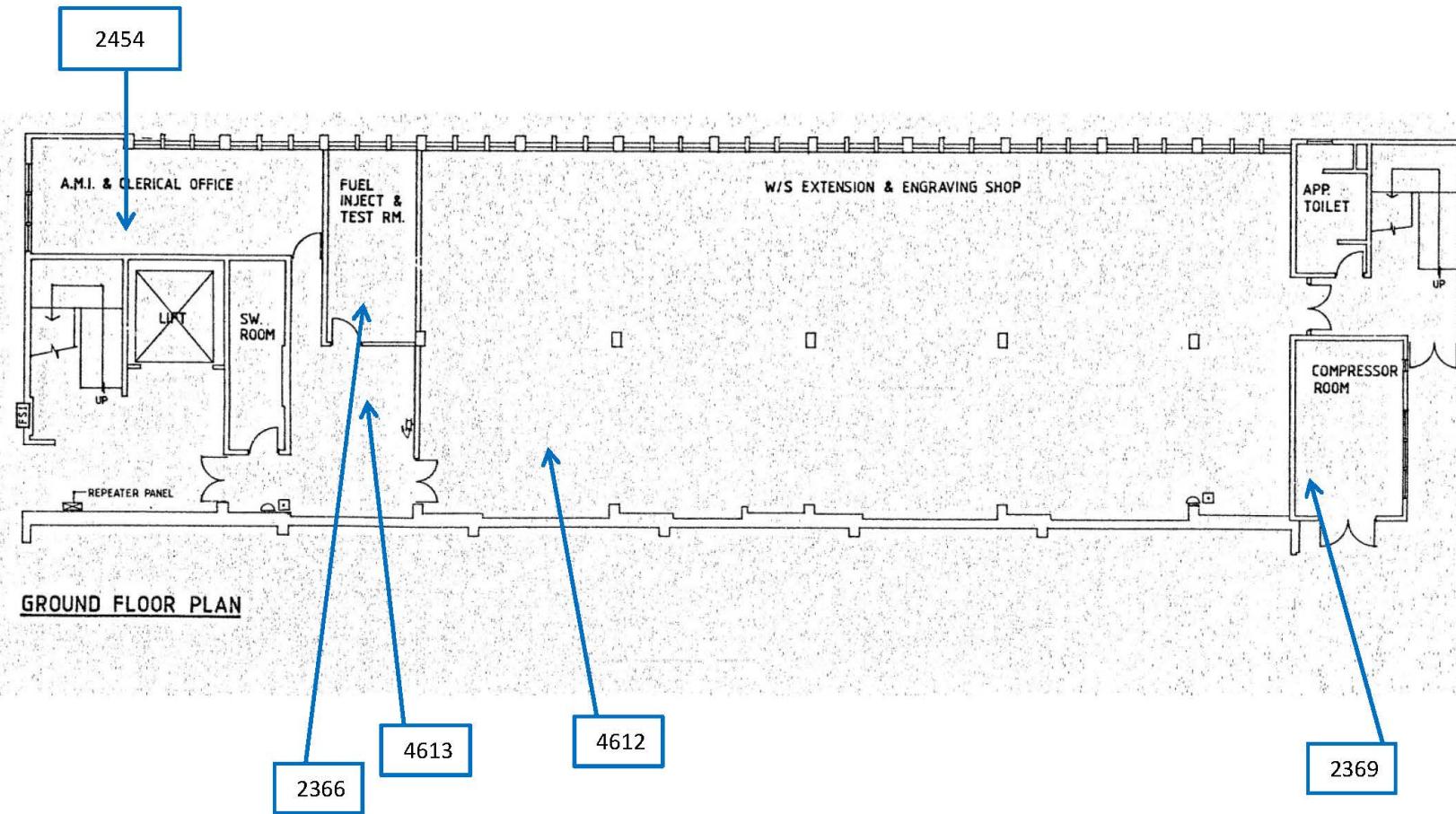
Date

MAY 2016

Figure

A5-WS3

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Locations of Photos Taken on G/F, Training Centre

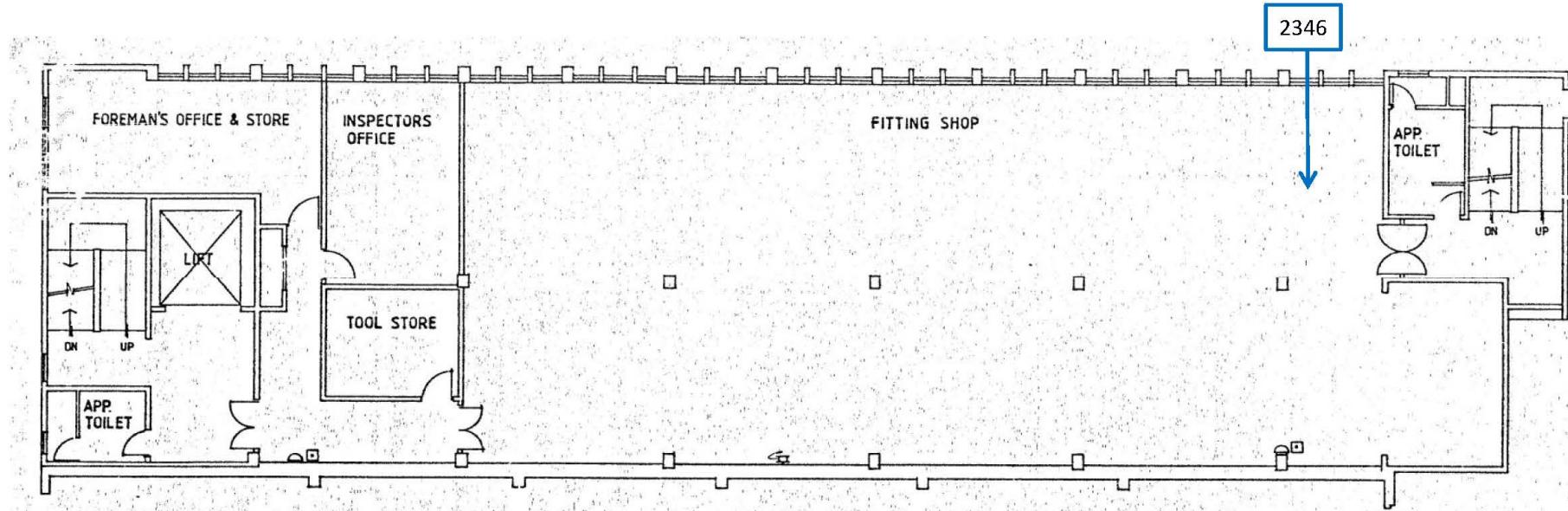
Date

MAY 2016

Figure

A5-TC1

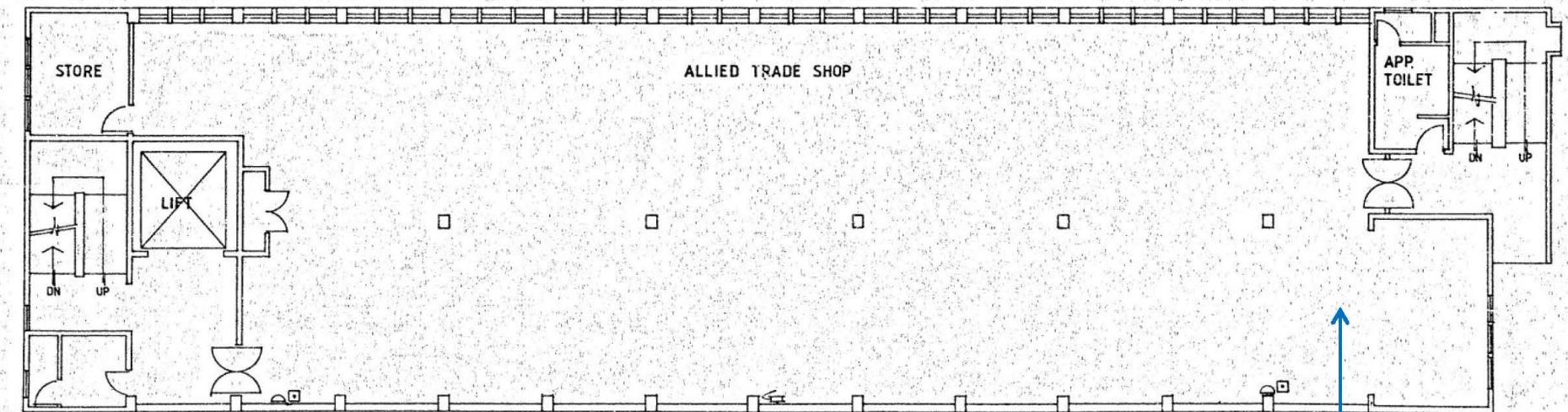
CINOTECH



FIRST FLOOR PLAN

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 1/F, Training Centre	Date MAY 2016	Figure A5-TC2

CINOTECH

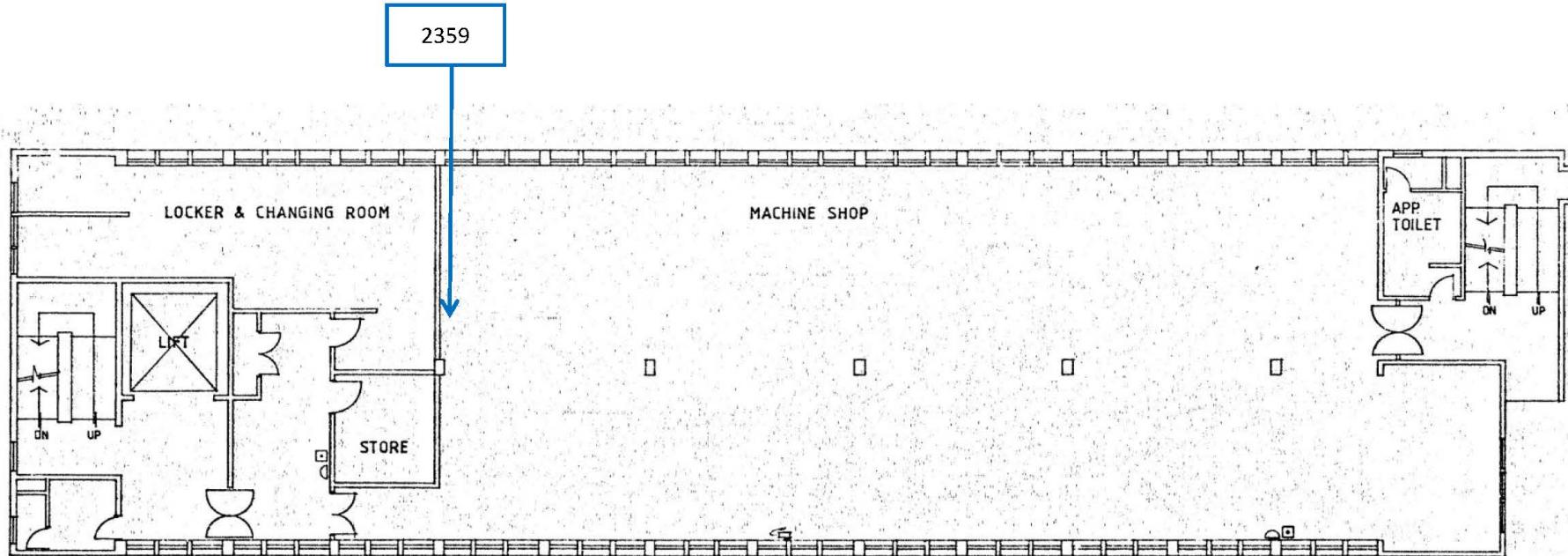


SECOND FLOOR PLAN

2358

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 2/F, Training Centre	Date MAY 2016	Figure A5-TC3

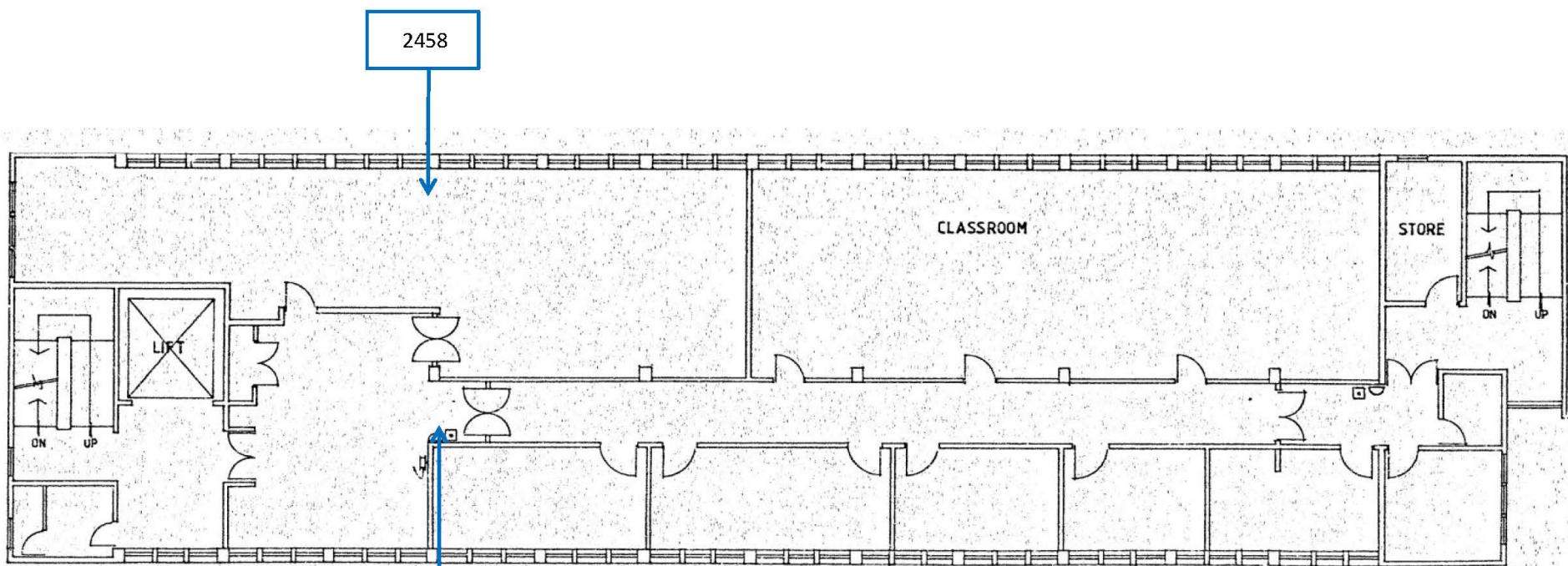
CINOTECH



THIRD FLOOR PLAN

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 3/F, Training Centre	Date MAY 2016	Figure A5-TC4

CINOTECH



FOURTH FLOOR PLAN

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 4/F, Training Centre	Date MAY 2016	Figure A5-TC5

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Locations of Photos Taken on 2nd Basement, CAS Headquarters

Scale

N.T.S.

Project No.

AS16004

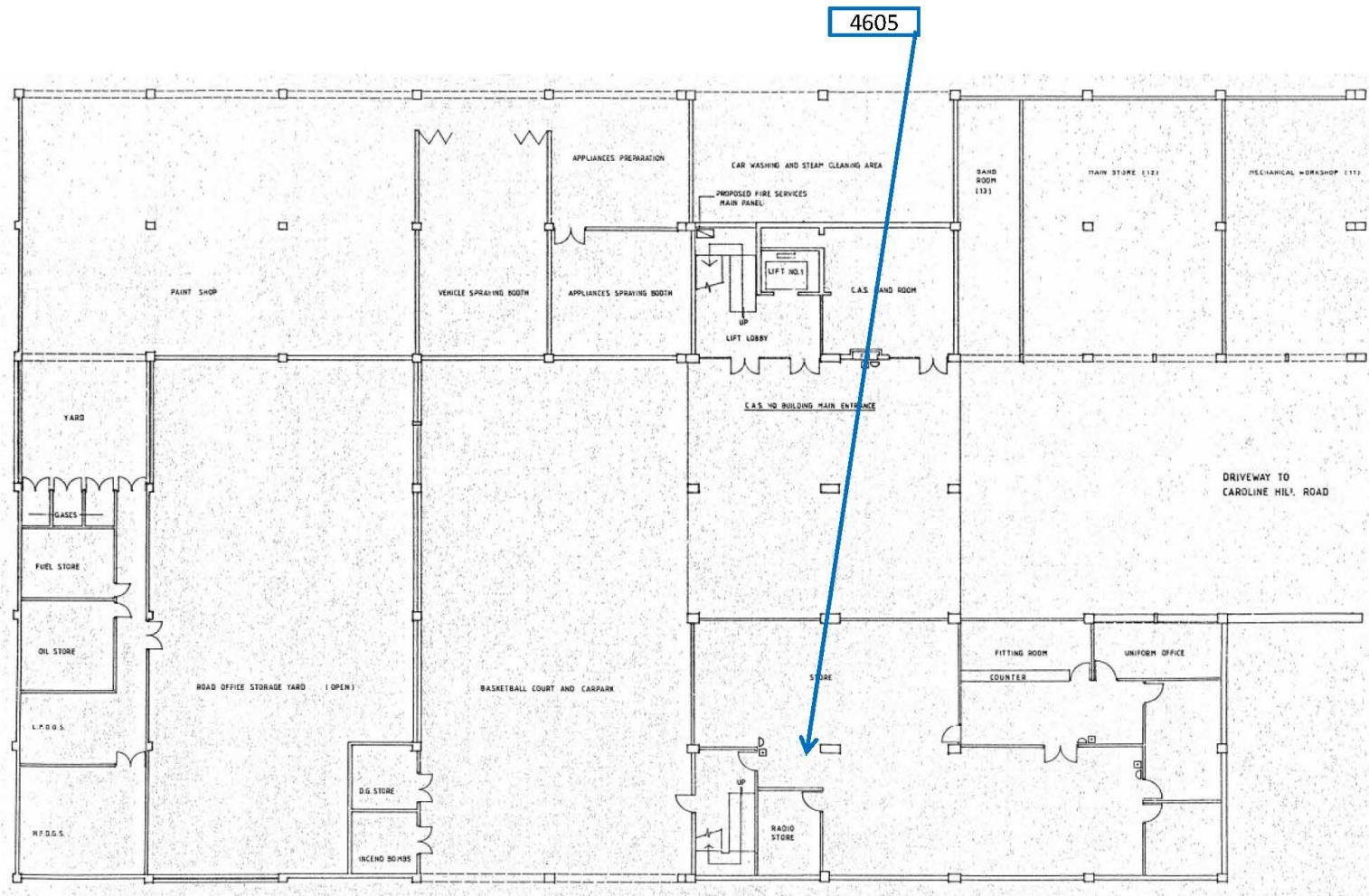
Date

MAY 2016

Figure

A5-CAS1

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Locations of Photos Taken on G/F, CAS Headquarters

Scale

N.T.S.

Project No.

AS16004

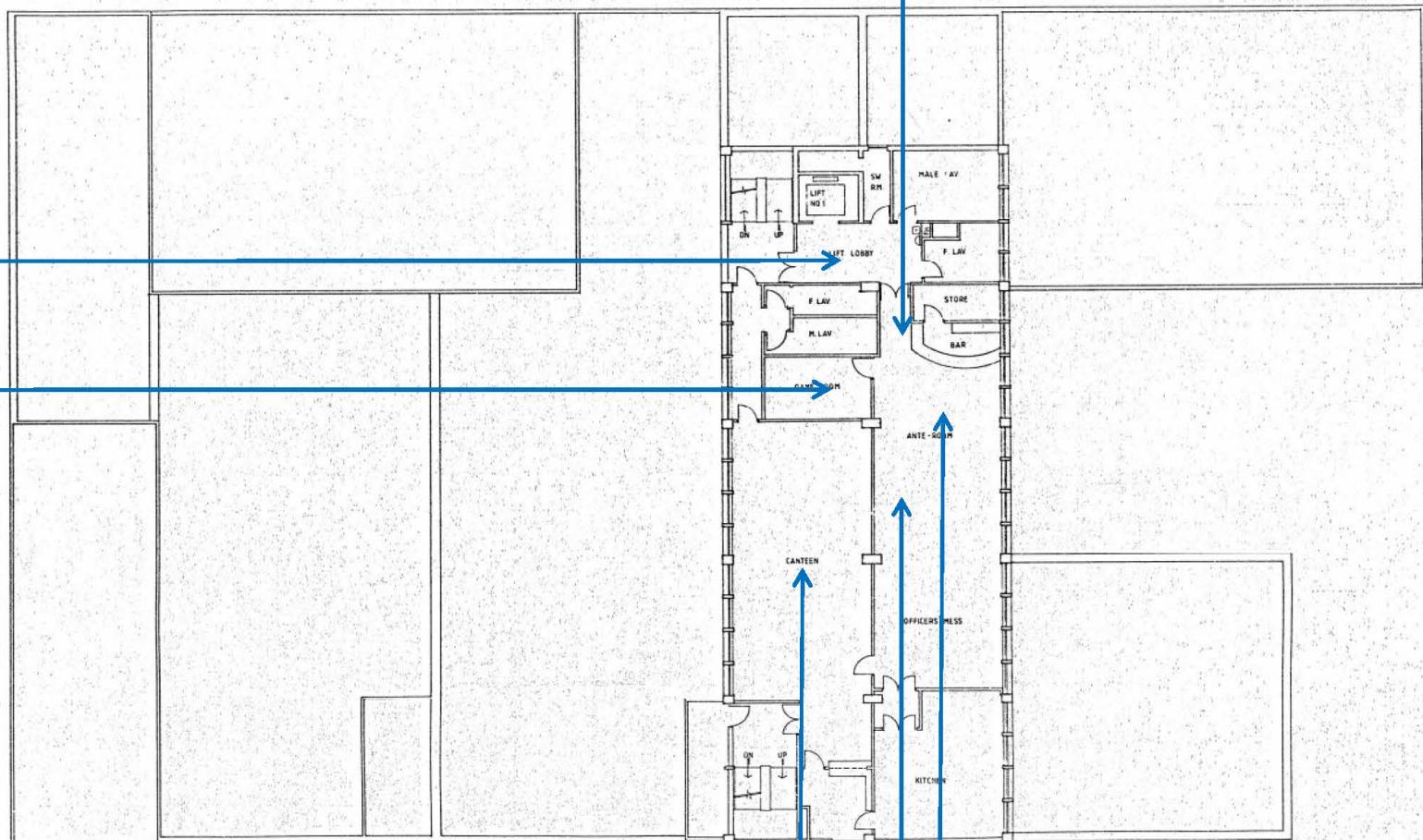
Date

MAY 2016

Figure

A5-CAS2

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay
Locations of Photos Taken on 1/F, CAS Headquarters

Figure Title

Scale

N.T.S.

Project No.

AS16004

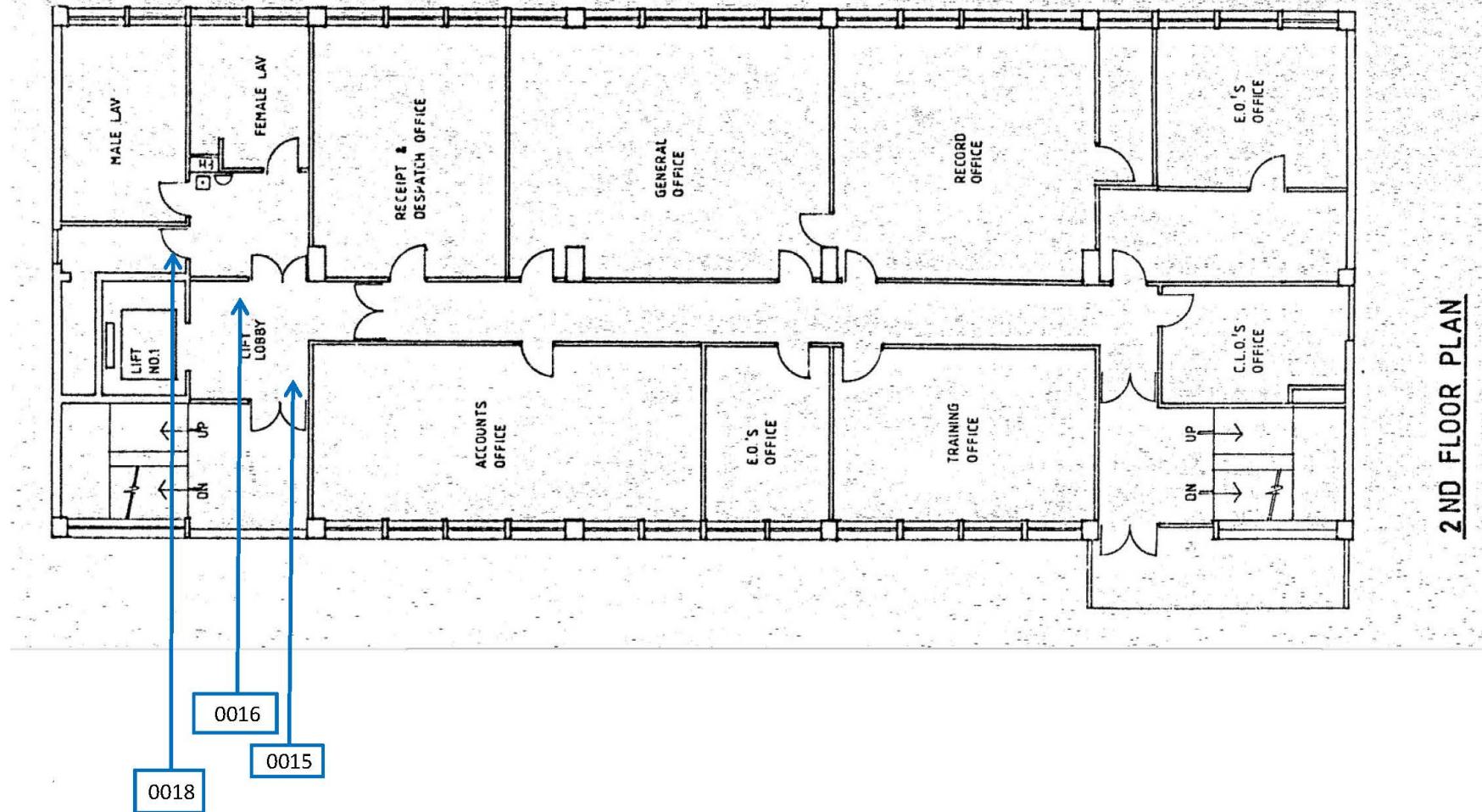
Date

MAY 2016

Figure

A5-CAS3

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Locations of Photos Taken on 2/F, CAS Headquarters

Date

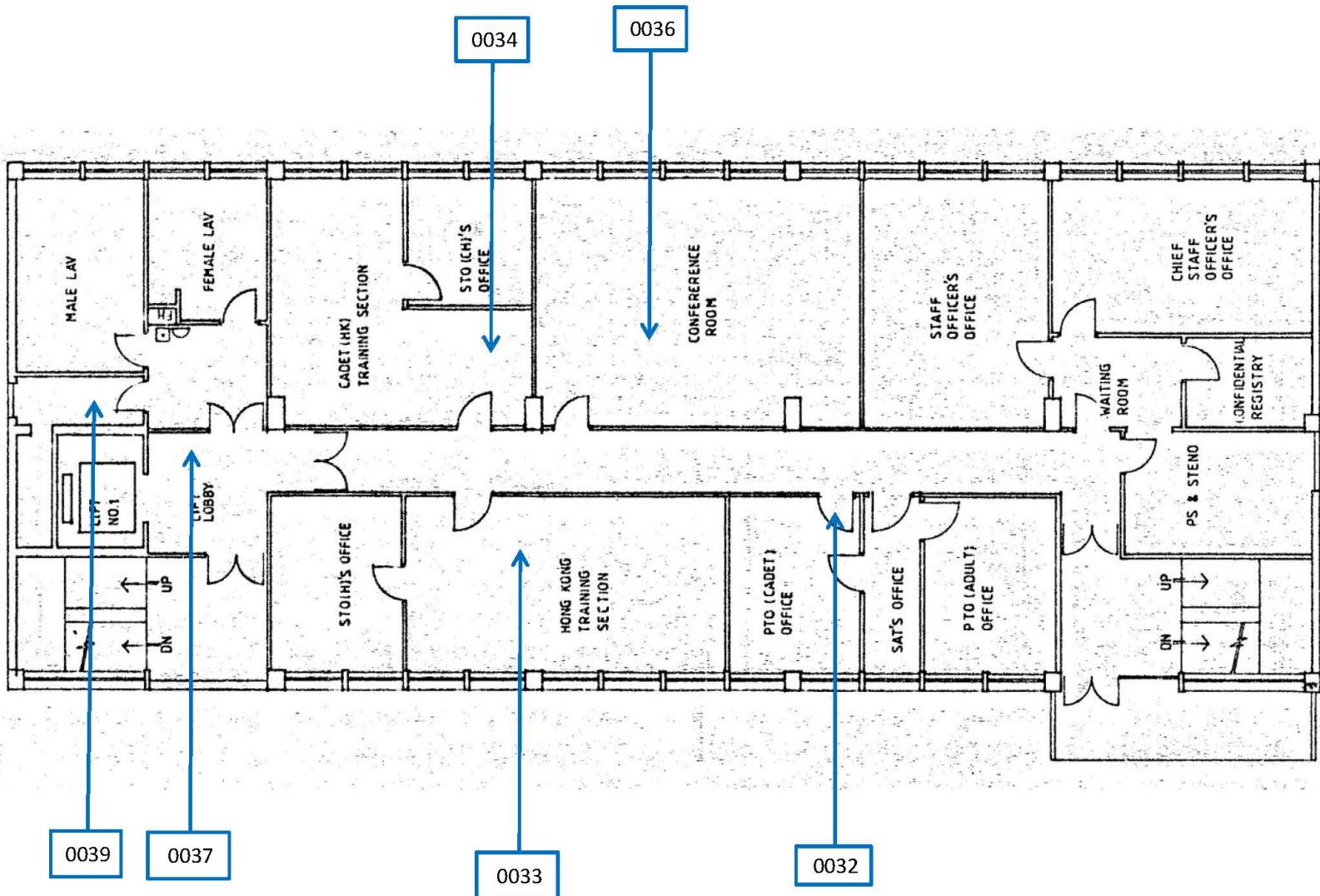
MAY 2016

Figure

A5-CAS4

CINOTECH

3RD FLOOR PLAN



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Locations of Photos Taken on 3/F, CAS Headquarters

Date

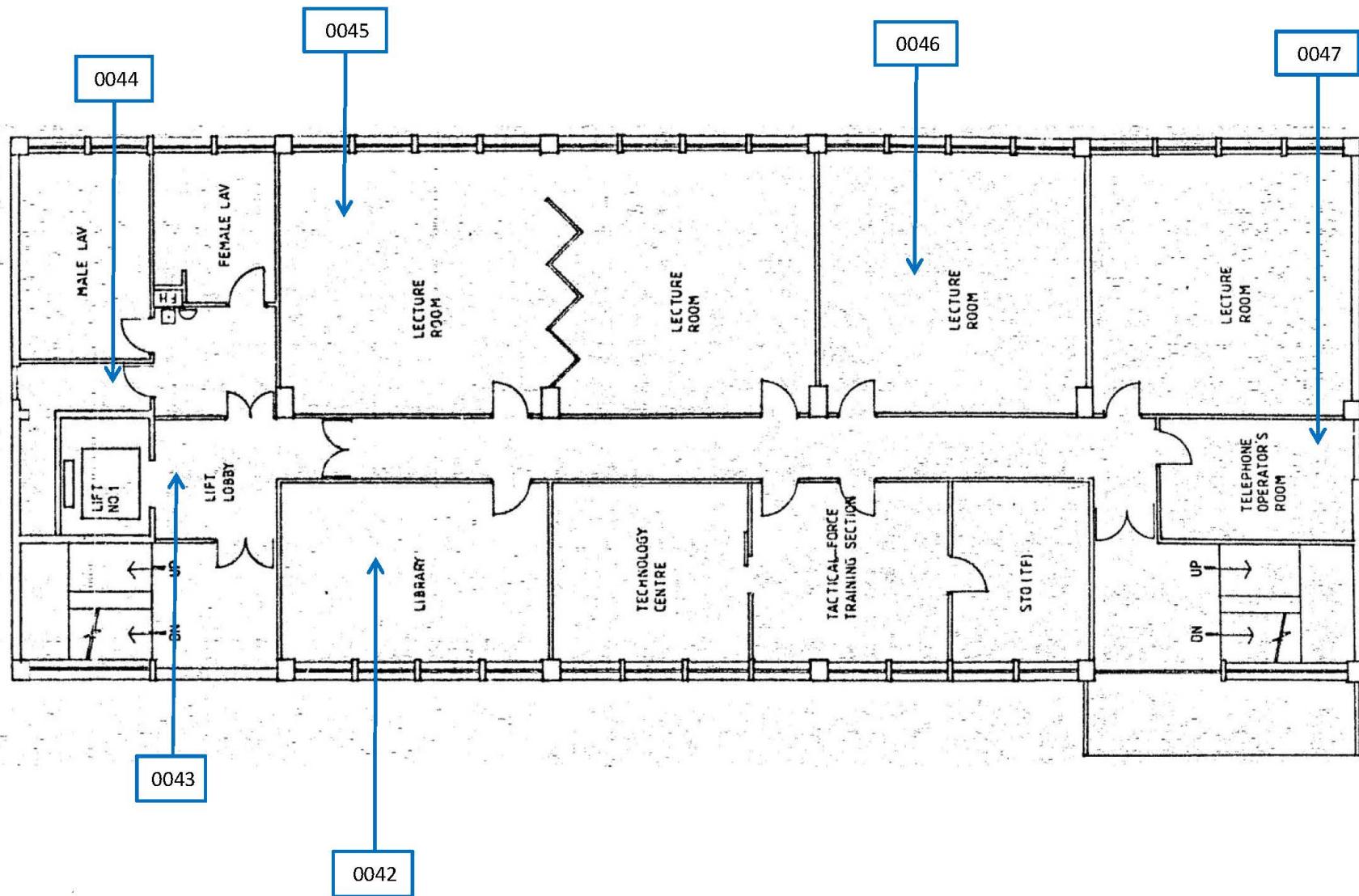
MAY 2016

Figure

A5-CAS5

CINOTECH

4TH FLOOR PLAN



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Locations of Photos Taken on 4/F, CAS Headquarters

Scale

N.T.S.

Project No.

AS16004

Figure Title

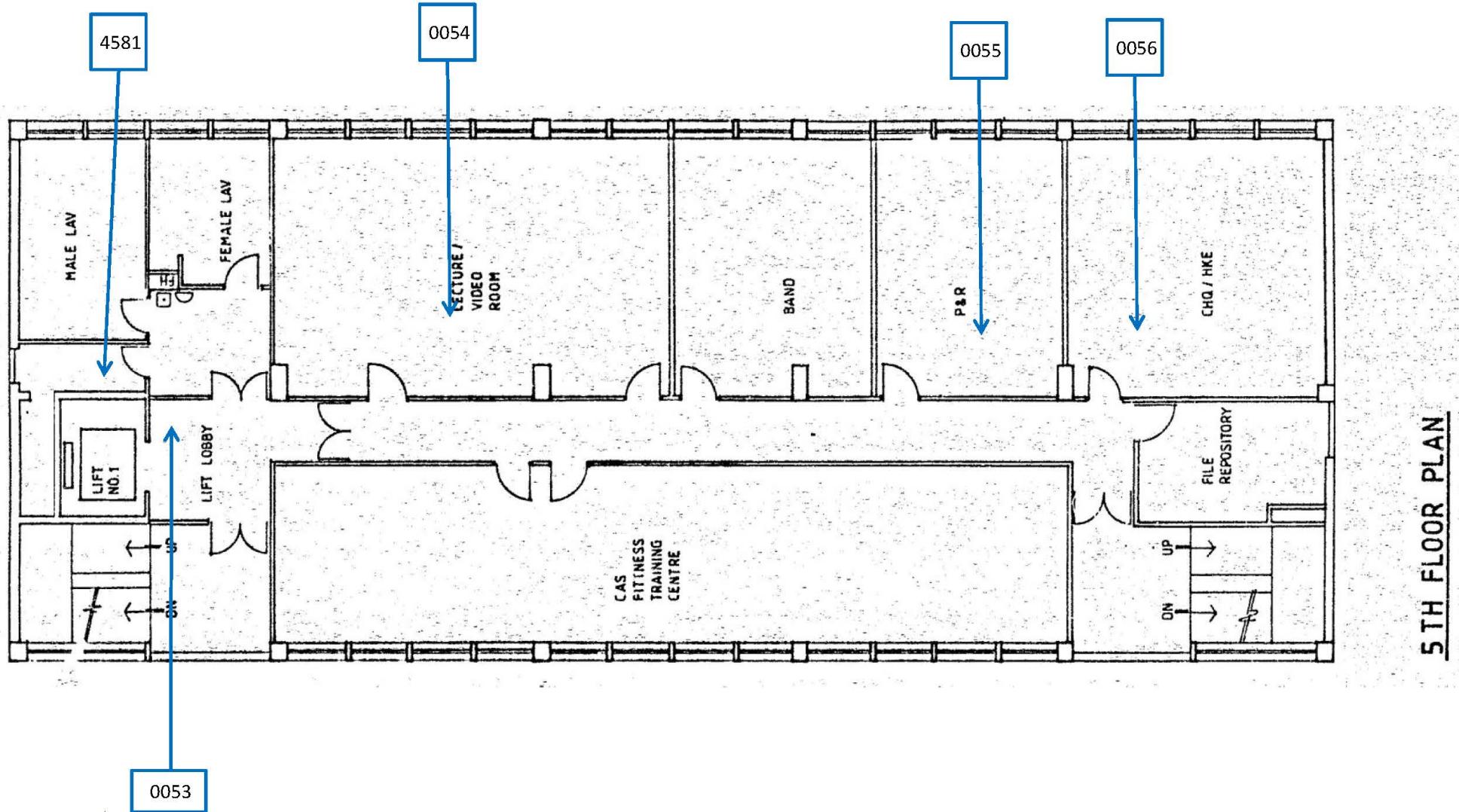
Date

MAY 2016

Figure

A5-CAS6

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Locations of Photos Taken on 5/F, CAS Headquarters

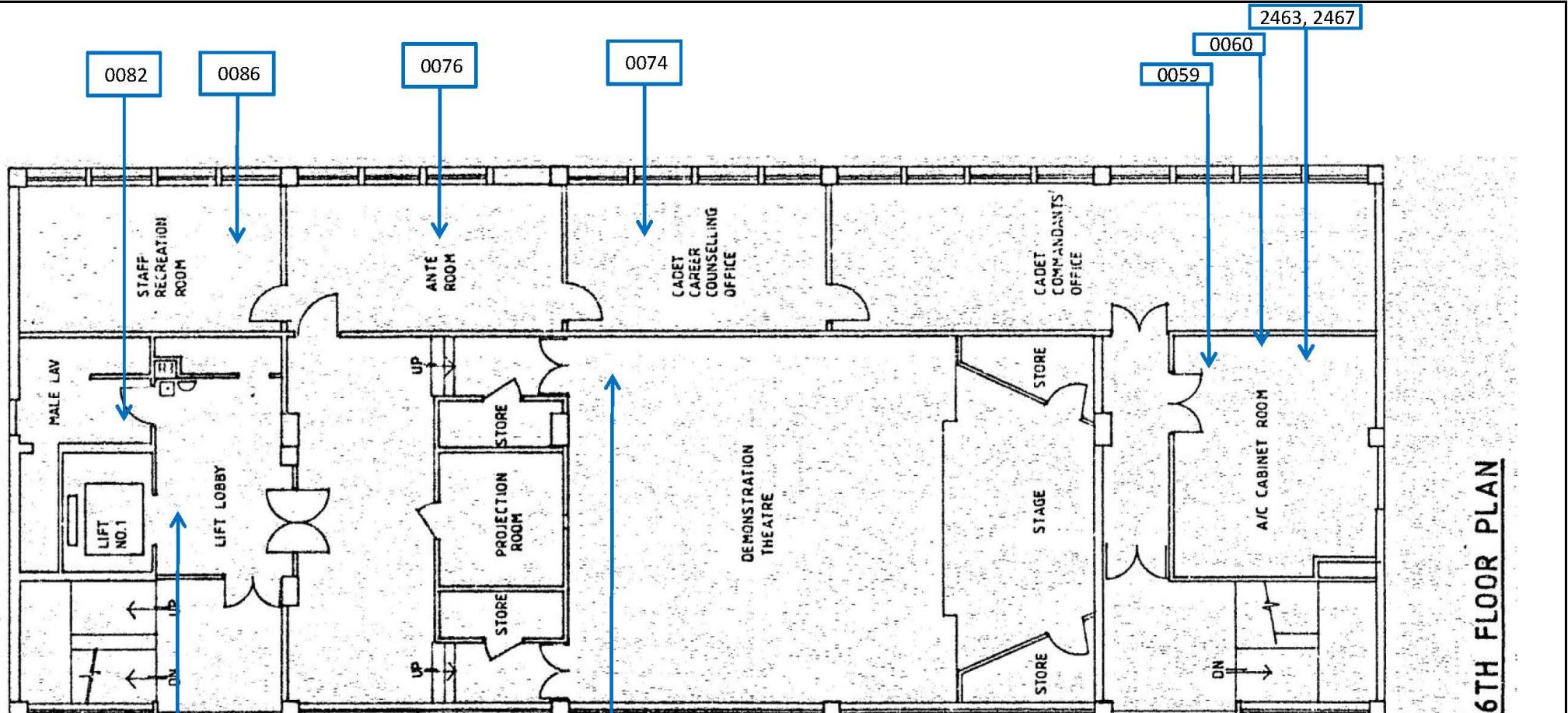
Date

MAY 2016

Figure

A5-CAS7

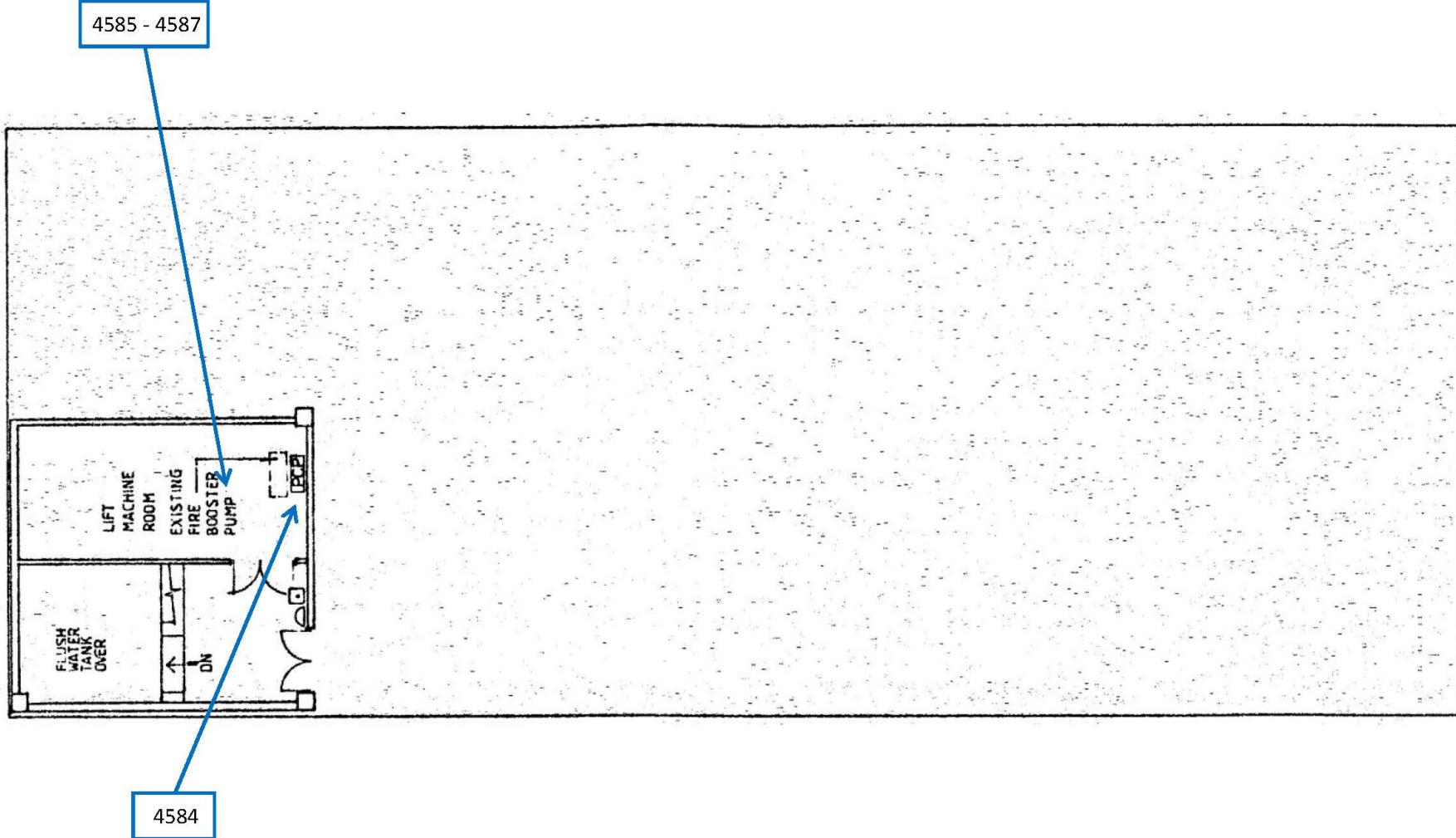
CINOTECH



6TH FLOOR PLAN

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay		Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on 6/F, CAS Headquarters		Date MAY 2016	Figure A5-CAS8

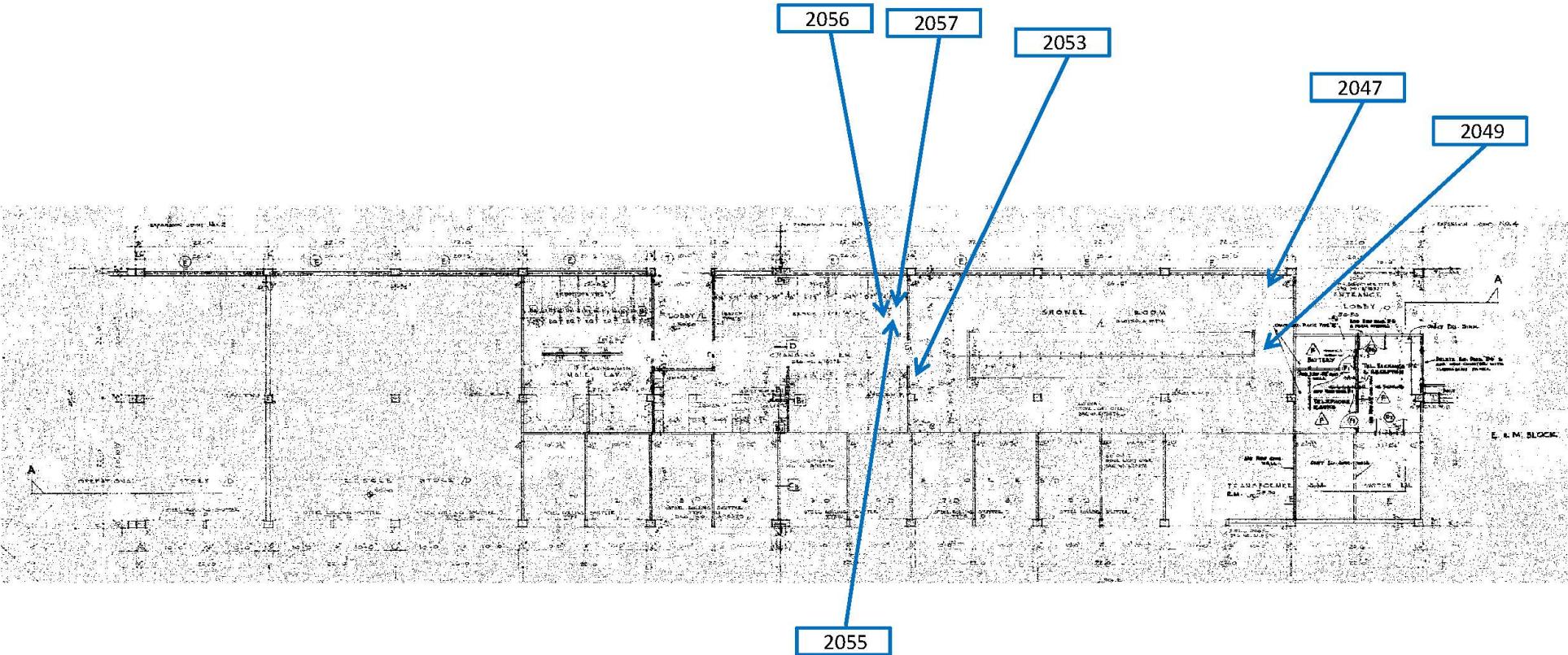
CINOTECH



ROOF PLAN

Project Title	Programme No.: 794CL The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay	Scale N.T.S.	Project No. AS16004
Figure Title	Locations of Photos Taken on Roof, CAS Headquarters	Date MAY 2016	Figure A5-CAS9

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Locations of Photos Taken in E&M Workshop

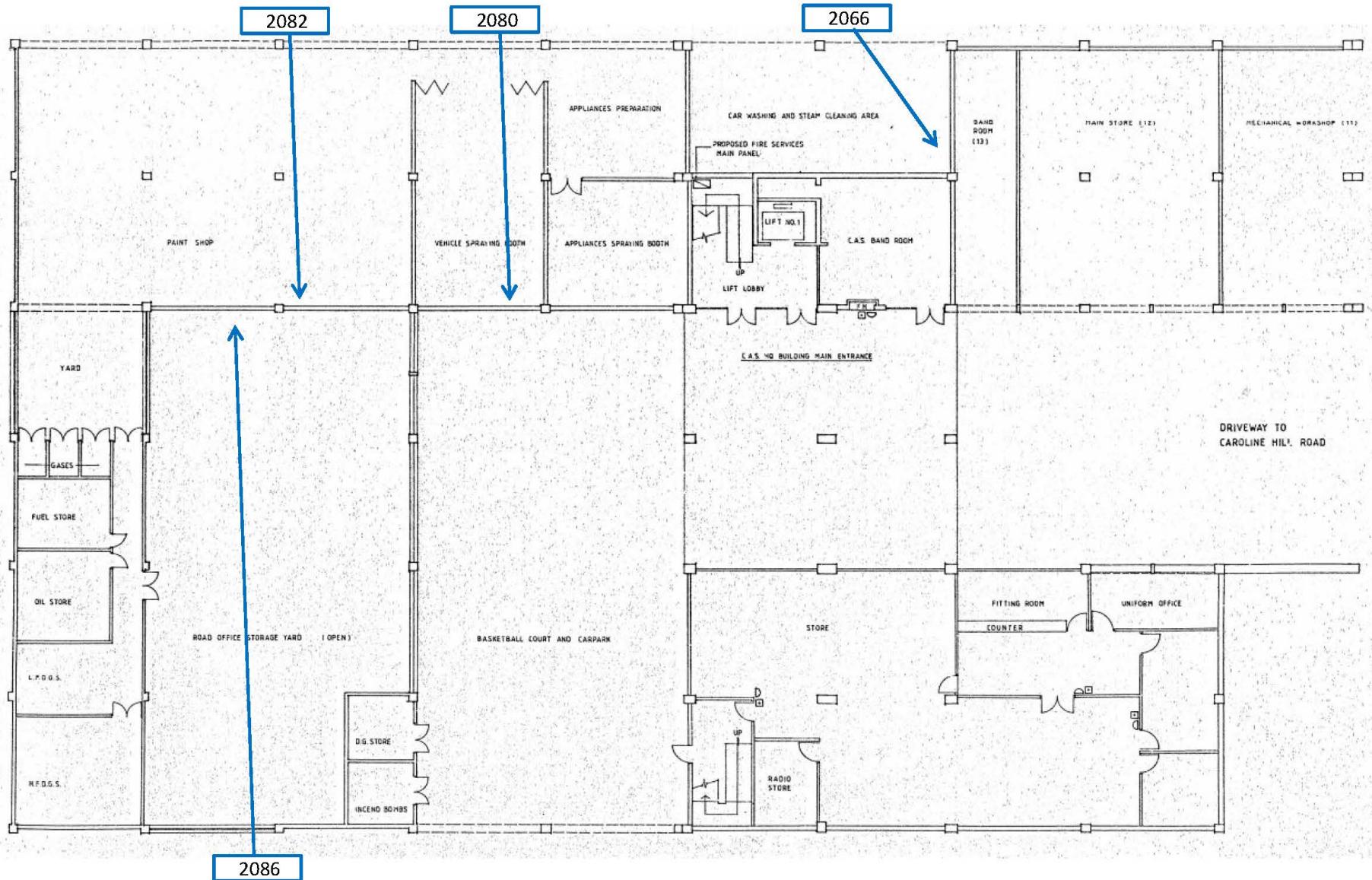
Date

MAY 2016

Figure

A5-EMWS1

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Scale

N.T.S.

Project No.

AS16004

Figure Title

Locations of Photos Taken in E&M Workshop (Painting Workshops)

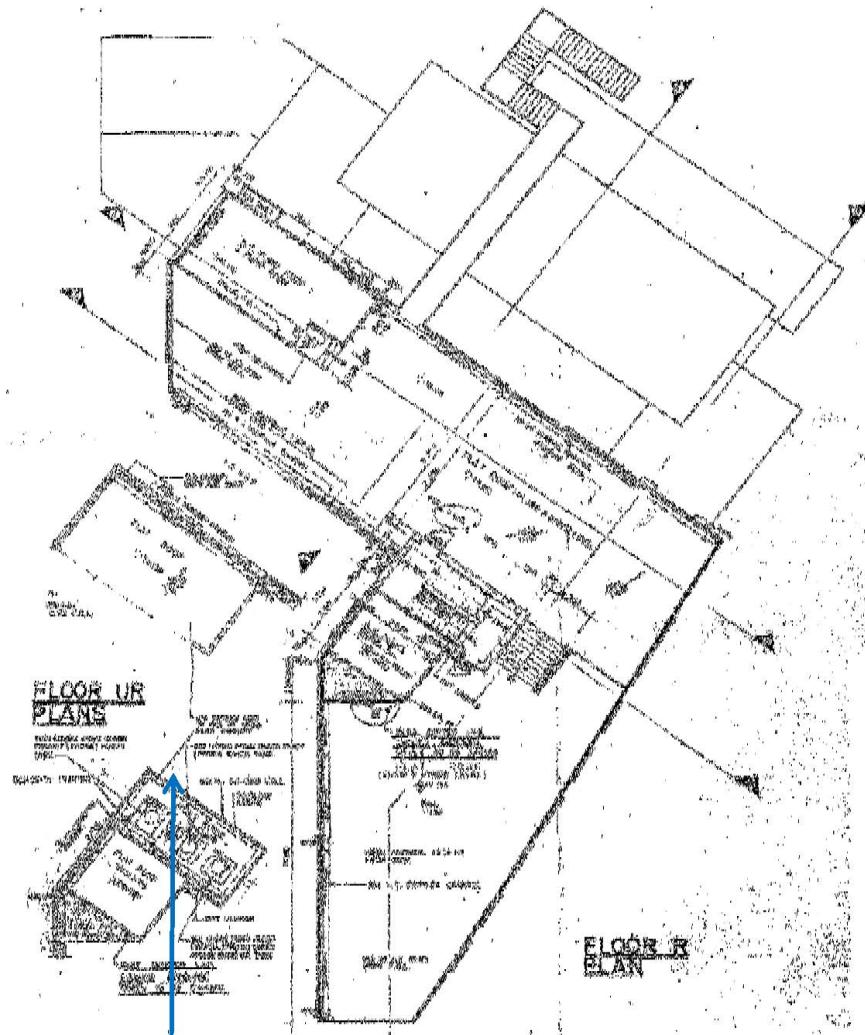
Date

MAY 2016

Figure

A5-EMWS2

CINOTECH



2283

Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Locations of Photos Taken on Upper Roof, PCCW Recreation Club

Scale

N.T.S.

Project No.

AS16004

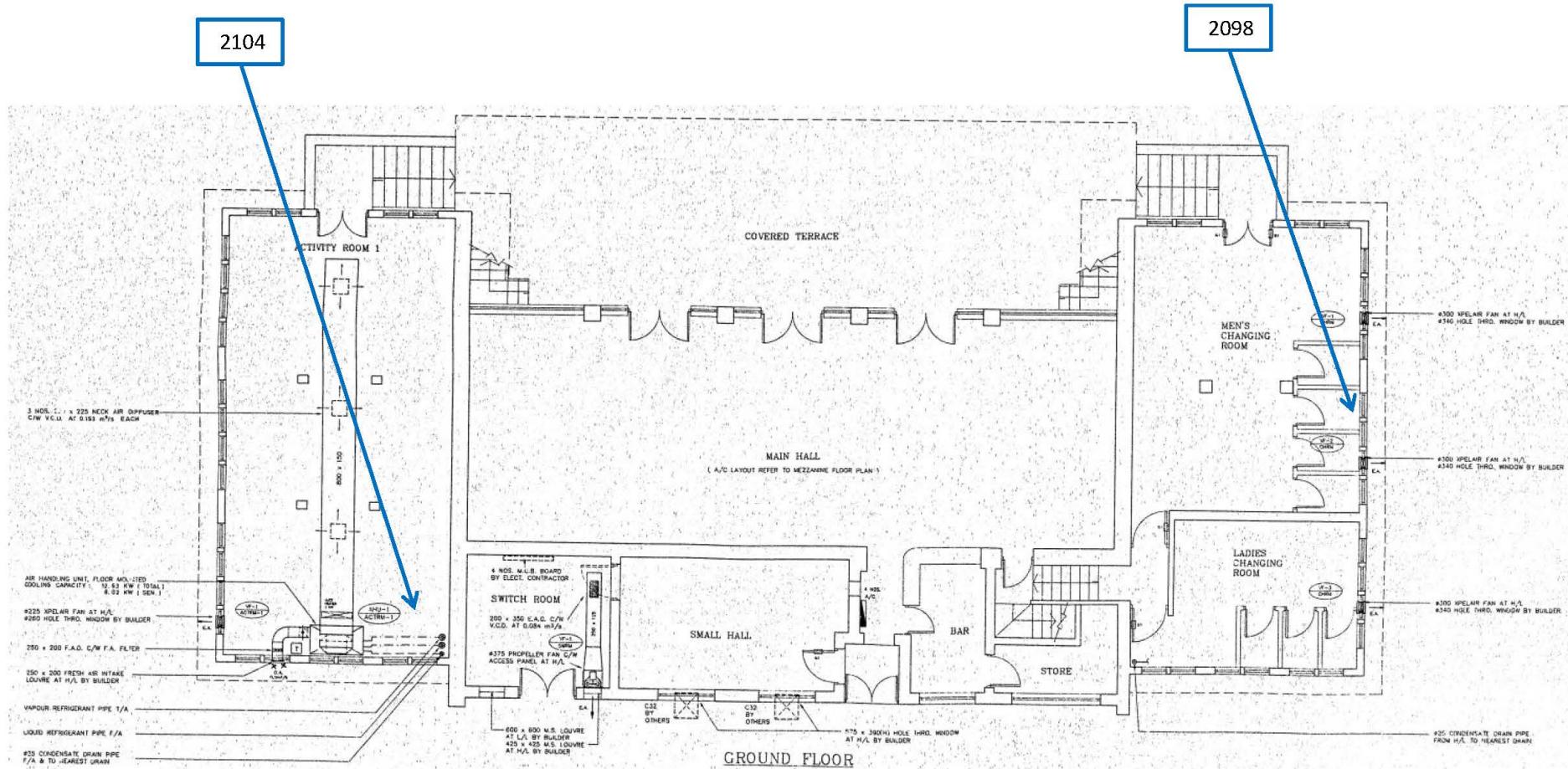
Date

MAY 2016

Figure

A5-PCCW

CINOTECH



Project Title

Programme No.: 794CL
The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Figure Title

Locations of Photos Taken on G/F, Post Office Recreation Club

Scale

N.T.S.

Project No.

AS16004

Date

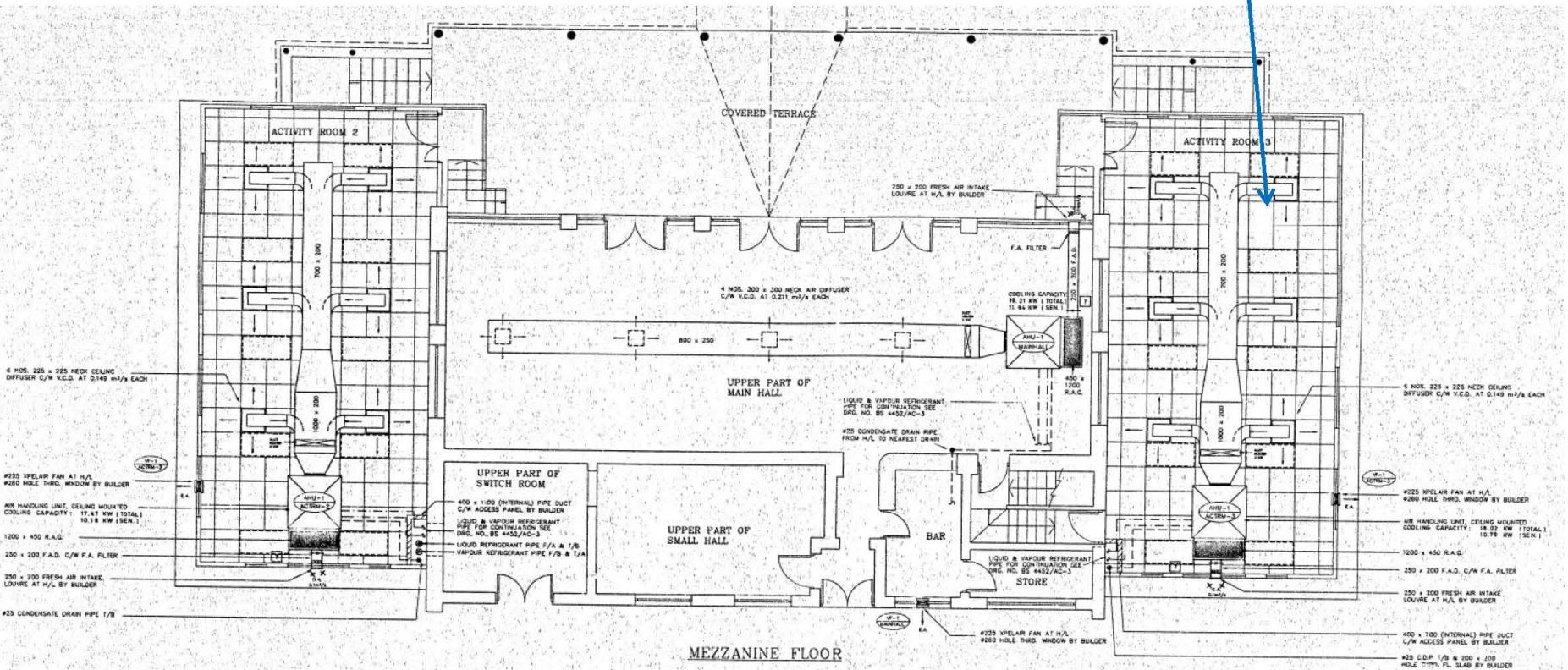
MAY 2016

Figure

A5-PO1

CINOTECH

2092



Project Title

Programme No.: 794CL

Figure Title

The Demolition of Existing Superstructures at Caroline Hill Road Site, Causeway Bay

Locations of Photos Taken on M/F, Post Office Recreation Club

Scale

N.T.S.

Project No.

AS16004

Date

MAY 2016

Figure

A5-PO2

CINOTECH

Annex VI
Representative Photographs of Inspected
Installations



Photo 0006: Vinyl floor tile with mastic (ACM) in Game Room on the 1/F of CAS Headquarters



Photo 0007: Vinyl floor tile with mastic (ACM) in Officers' Mess on the 1/F of CAS Headquarters



Photo 0009: Vinyl floor tile with mastic (ACM) in canteen on the 1/F of CAS Headquarters



Photo 0015: Vinyl floor tile with mastic (ACM) in lift lobby on the 2/F of CAS Headquarters



Photo 0016: Vinyl floor tile with mastic (ACM) in lift lobby on the 2/F of CAS Headquarters



Photo 0018: Switch box with ACM containing arc cloth in Switch Room on the 2/F of CAS Headquarters



Photo 0032: Vinyl floor tile with mastic (ACM) in office area on the 3/F of CAS Headquarters



Photo 0033: Vinyl floor tile with mastic (ACM) in office area on the 3/F of CAS Headquarters



Photo 0034: Vinyl floor tile with mastic (ACM) in office area on the 3/F of CAS Headquarters



Photo 0036: Vinyl floor tile with mastic (ACM) in office area on the 3/F of CAS Headquarters



Photo 0037: Vinyl floor tile with mastic (ACM) in lift lobby on the 3/F of CAS Headquarters



Photo 0039: Switch box with ACM containing arc cloth in Switch Room on the 3/F of CAS Headquarters



Photo 0042: Vinyl floor tile with mastic (ACM) in office area on the 4/F of CAS Headquarters



Photo 0043: Vinyl floor tile with mastic (ACM) in lift lobby on the 4/F of CAS Headquarters



Photo 0044: Switch box with ACM containing arc cloth in Switch Room on the 4/F of CAS Headquarters



Photo 0045: Vinyl floor tile with mastic (ACM) in lecture room on the 4/F of CAS Headquarters



Photo 0046: Vinyl floor tile with mastic (ACM) in lecture room on the 4/F of CAS Headquarters



Photo 0047: Vinyl floor tile with mastic (ACM) in office area on the 4/F of CAS Headquarters



Photo 0053: Vinyl floor tile with mastic (ACM) in lift lobby on the 5/F of CAS Headquarters



Photo 0054: Vinyl floor tile with mastic (ACM) in office area on the 5/F of CAS Headquarters



Photo 0055: Vinyl floor tile with mastic (ACM) in office area on the 5/F of CAS Headquarters



Photo 0056: Vinyl floor tile with mastic (ACM) in office area on the 5/F of CAS Headquarters



Photo 0059: Switch box with ACM containing arc cloth in A/C Cabinet Room on the 6/F of CAS Headquarters



Photo 0060: Switch box with ACM containing arc cloth in A/C Cabinet Room on the 6/F of CAS Headquarters



Photo 0074: Vinyl floor tile with mastic (ACM) in office area on the 6/F of CAS Headquarters



Photo 0076: Vinyl floor tile with mastic (ACM) in office area on the 6/F of CAS Headquarters



Photo 0081: Vinyl floor tile with mastic (ACM) in lift lobby on the 6/F of CAS Headquarters



Photo 0082: Switch box with ACM containing arc cloth in Switch Room on the 6/F of CAS Headquarters



Photo 0086: Vinyl floor tile with mastic (ACM) in office area on the 6/F of CAS Headquarters



Photo 1857: Vinyl floor sheet with mastic (ACM) in corridor on the 10/F of EMSD Headquarters



Photo 1859: Vinyl floor sheet with mastic (ACM) in passenger lift lobby on the 10/F of EMSD Headquarters



Photo 1867: Sewage pipes were made of cast iron in EMSD Headquarters



Photo 1869: Foam was identified in the chiller pipes of EMSD Headquarters



Photo 1884: Photo 1859: Vinyl floor sheet with mastic (ACM) in passenger lift lobby on the 8/F of EMSD Headquarters



Photo 1909: Rain water and sewage pipes were made of PVC and cast iron in EMSD Headquarters



Photo 1940: Rain water and sewage pipes were made of PVC and cast iron in EMSD Headquarters



Photo 1993: Vinyl floor tile with mastic (ACM) in passenger lift lobby on the 1/F of EMSD Headquarters



Photo 2007: Vinyl floor tile with mastic (ACM) in office area on the 1/F of EMSD Headquarters



Photo 2047: Plastic flexible joint in E&M Workshop



Photo 2049: Copper hot water pipes with PVC lagging in E&M Workshop



Photo 2053: Electrical hot water boilers at the bath room in E&M Workshop



Photo 2055: Towergas hot water boilers at the bath room in E&M Workshop



Photo 2056: Copper hot water pipes in E&M Workshop



Photo 2057: Glasswool insulation of the heater under the metal casting in E&M Workshop



Photo 2066: No ACM flange gasket in the exhaust gas air-duct in E&M Workshop



Photo 2080: No ACM flange gasket in the exhaust gas air-duct in E&M Workshop



Photo 2082: No ACM flange gasket in the exhaust gas air-duct in E&M Workshop



Photo 2086: Plastic flexible joint in E&M Workshop



Photo 2092: No airduct gasket at the air-duct above activity room 3 in Post Office Recreation Club



Photo 2098: Electrical hot water heater and hot water pipe with plastic lagging in male toilet in Post Office Recreation Club



Photo 2104; Black plastic flexible joint for the air-duct inactivity room one in Post Office Recreation Club



Photo 2133: Switch box with ACM containing arc cloth in Chiller Room on the roof of EMSD Headquarters



Photo 2135: Switch box with ACM containing arc cloth in Chiller Room on the roof of EMSD Headquarters



Photo 2136: Switch box with ACM containing arc cloth in Chiller Room on the roof of EMSD Headquarters



Photo 2138: Switch box with ACM containing arc cloth in Lift M/C & F/S Pump Room on the roof of EMSD Headquarters



Photo 2139: Switch box with ACM containing arc cloth in Lift M/C & F/S Pump Room on the roof of EMSD Headquarters

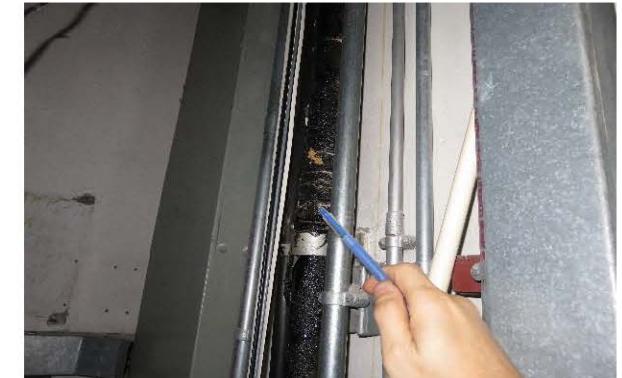


Photo 2165: No ACM was identified in oil cloth of cable in Switch Room, 9/F, EMSD Headquarters



Photo 2167: Vinyl floor sheet with mastic (ACM) in office area , 9/F, EMSD Headquarters

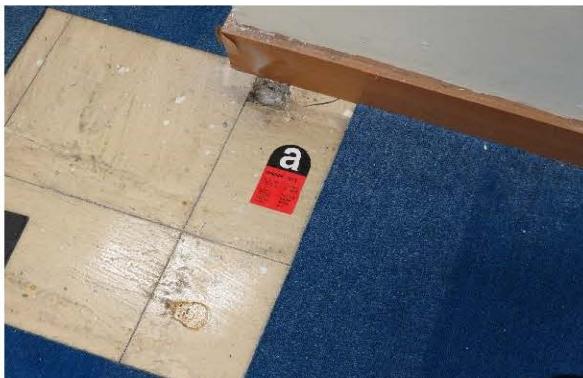


Photo 2173: Vinyl floor tile with mastic (ACM) in office area , 8/F, EMSD Headquarters



Photo 2175: Vinyl floor tile with mastic (ACM) in office area , 9/F, EMSD Headquarters



Photo 2177: Vinyl floor sheet with mastic (ACM) in cargo lift lobby on the 8/F of EMSD Headquarters



Photo 2180: Vinyl floor tile with mastic (ACM) in office area , 7/F, EMSD Headquarters



Photo 2183: Vinyl floor sheet with mastic (ACM) in passenger lift lobby on the 4/F of EMSD Headquarters



Photo 2185: No ACM was identified in oil cloth of cable in Switch Room, 4/F, EMSD Headquarters



Photo 2187: Vinyl floor tile with mastic in store room on the 4/F of EMSD Headquarters



Photo 2189: Vinyl floor tile with mastic in office area on the 4/F of EMSD Headquarters



Photo 2191: Vinyl floor tile with mastic in office area on the 4/F of EMSD Headquarters



Photo 2193: Vinyl floor tile with mastic in cargo lift lobby on the 4/F of EMSD Headquarters



Photo 2197: Vinyl floor tile with mastic in office area on the 3/F of EMSD Headquarters



Photo 2202: Vinyl floor sheet with mastic (ACM) in passenger lift lobby on the 2/F of EMSD Headquarters



Photo 2204: Vinyl floor tile with mastic in pantry on the 2/F of EMSD Headquarters



Photo 2206: Vinyl floor sheet with mastic in office area on the 2/F of EMSD Headquarters



Photo 2207: Not Used



Photo 2209: Vinyl floor sheet with mastic (ACM) in cargo lift lobby on the 2/F of EMSD Headquarters

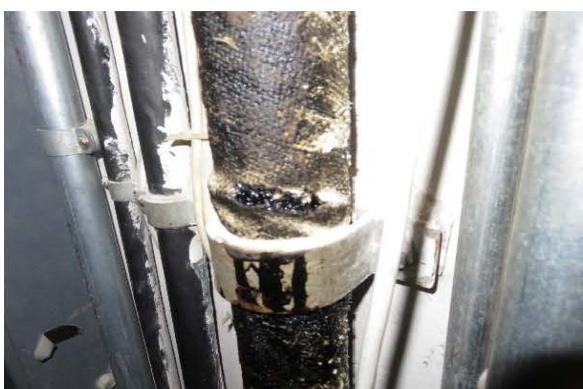


Photo 2214: Vinyl floor tile with mastic in office area on the 1/F EMSD Headquarters



Photo 2216: No ACM was identified in oil cloth of cable in Switch Room, 1/F, EMSD Headquarters

Photo 2219: Vinyl floor tile with mastic in store room on the G/F of EMSD Headquarters



Photo 2221: Vinyl floor tile with mastic in store room on the G/F of EMSD Headquarters



Photo 2226: Vinyl floor tile with mastic (ACM) in office area on the 10/F of EMSD Headquarters



Photo 2231: Vinyl floor tile with mastic in office area on the 6/F of EMSD Headquarters



Photo 2234: Vinyl floor tile with mastic in office area on the 5/F of EMSD Headquarters



Photo 2283: Cast iron pipe in PCCW Recreation Club



Photo 2293: Vinyl floor tile with mastic (ACM) in anteroom on the 1/F of CAS Headquarters



Photo 2294: Vinyl floor tile with mastic (ACM) in corridor on the 1/F of CAS Headquarters



Photo 2295: Vinyl floor tile with mastic (ACM) in lift lobby on the 1/F of CAS Headquarters



Photo 2324: Hot water pipe with metal lagging in bathroom, 6/F, Quarter Block



Photo 2329: Electrical hot water heater and hot water pipe with metal lagging in bathroom, 4/F, Quarter Block



Photo 2339: Vinyl floor tile with mastic (ACM) in living room, 1/F, Quarter Block



Photo 2341: Vinyl floor tile with mastic (ACM) in living room, 1/F, Quarter Block



Photo 2346: Vinyl floor sheet with mastic (ACM) in office / workshop area on the 1/F of Training Centre



Photo 2358: Vinyl floor sheet with mastic (ACM) in office / workshop area on the 2/F of Training Centre



Photo 2359: Vinyl floor sheet with mastic (ACM) in office / workshop area on the 3/F of Training Centre



Photo 2361: Vinyl floor sheet with mastic (ACM) in office / workshop area on the 4/F of Training Centre



Photo 2366: Vinyl floor tile with mastic (ACM) in Room G11 on the G/F of Training Centre



Photo 2367: Corrugated cement sheet on roof of a separate storage at the south-east to the Machine Shop in the Workshop



Photo 2369: Switch box with ACM containing arc cloth in Compressor Room on the G/F of Training Centre



Photo 2370: Corrugated cement sheet on roof of a separate storage at the south-east to the Machine Shop in the Workshop



Photo 2371: Corrugated cement sheet on roof of a separate storage at the south-east to the Rooms G07, G08 & G09 in the Workshop



Photo 2372: Corrugated cement sheet roofing at the south-east to the Rooms G01, G02, G03, G05 & G06 in the Workshop



Photo 2376: No ACM air duct flange gaskets was identified in the Workshop



Photo 2377: Switch box with ACM containing arc cloth in Garage of the Workshop



Photo 2378: Switch box with ACM containing arc cloth in Garage of the Workshop



Photo 2379: Switch box with ACM containing arc cloth in Block C of the Workshop



Photo 2421: Vinyl floor tile with mastic (ACM) in office area on the 5/F of EMSD Headquarters



Photo 2430: Vinyl floor tile with mastic (without ACM) in corridor of Room 4, 2/F, Quarter Block



Photo 2434: Rope lagging on flue of generator in the Workshop



Photo 2435: Hard gasket at flue flange of generator in the Workshop



Photo 2438: Vinyl floor tile with mastic (without ACM) in Room G07, Workshop



Photo 2445: Corrugated cement sheet roofing of DG Store, Workshop



Photo 2446: Corrugated cement sheet roofing of at the south-east to the Electrician Shop in the Workshop



Photo 2453: Vinyl floor tile with mastic in Room G11 on the G/F of Training Centre



Photo 2454: Vinyl floor tile with mastic (ACM) in Room G11 on the G/F of Training Centre



Photo 2458: Vinyl floor sheet with mastic (ACM) in office / workshop area on the 4/F of Training Centre



Photo 2462: Vinyl floor tile with mastic (ACM) in hall on the 6/F of CAS Headquarters



Photo 2463: Insulation board (ACM) inside heater box in A/C plant Room, 6/F, CAS Headquarters



Photo 2467: Insulation board (ACM) inside heater box in A/C plant Room, 6/F, CAS Headquarters



Photo 2476: Rope lagging on flue of generator in the 1st Basement, EMSD Headquarters



Photo 2477: Hard gasket at flue flange of generator in the 1st Basement, EMSD Headquarters



Photo 2482: Switch box with ACM containing arc cloth in Main Switch Room on the G/F of EMSD Headquarters



Photo 2483: Switch box with ACM containing arc cloth in Main Switch Room on the G/F of EMSD Headquarters



Photo 2490: Switch box with ACM containing arc cloth in A/C Plant & Store Room in the 1st Basement of EMSD Headquarters



Photo 2491: Switch box with ACM containing arc cloth in A/C Plant & Store Room in the 1st Basement of EMSD Headquarters



Photo 2501: Vinyl floor tile with mastic (ACM) in office area on the 4/F of EMSD Headquarters



Photo 2502: Vinyl floor tile with mastic (ACM) in store room on the 4/F of EMSD Headquarters



Photo 2505: Vinyl floor tile with mastic (ACM) in cargo lift lobby on the 4/F of EMSD Headquarters



Photo 2509: Vinyl floor tile with mastic (ACM) in office area on the 3/F of EMSD Headquarters



Photo 2510: Vinyl floor sheet with mastic (ACM) in office area on the 2/F of EMSD Headquarters

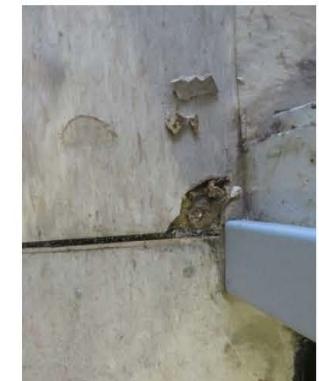


Photo 2512: Vinyl floor tile with mastic (ACM) in pantry on the 2/F of EMSD Headquarters



Photo 2515: Vinyl floor tile with mastic (ACM) in office area on the 1/F EMSD Headquarters



Photo 2516: Vinyl floor tile with mastic (ACM) in cargo lift lobby on the 1/F EMSD Headquarters



Photo 2518: Vinyl floor tile with mastic (ACM) in store room on the G/F of EMSD Headquarters



Photo 2519: Vinyl floor tile with mastic (ACM) in store room on the G/F of EMSD Headquarters



Photo 2527: Vinyl floor tile with mastic (ACM) in office area on the 6/F of EMSD Headquarters



Photo 2530: Vinyl floor tile with mastic (ACM) in office area on the 5/F of EMSD Headquarters



Photo 4581: Switch box with ACM containing arc cloth in Switch Room on the 5/F of CAS Headquarters



Photo 4584: Switch box with ACM containing arc cloth in Lift Machine Room on the Roof of CAS Headquarters



Photo 4585: Lift brake pad/shoe in Lift Machine Room on the Roof of CAS Headquarters



Photo 4586: Lift brake pad/shoe in Lift Machine Room on the Roof of CAS Headquarters



Photo 4587: Lift brake pad/shoe in Lift Machine Room on the Roof of CAS Headquarters



Photo 4605: Vinyl floor tile with mastic (ACM) in office area on the G/F of CAS Headquarters

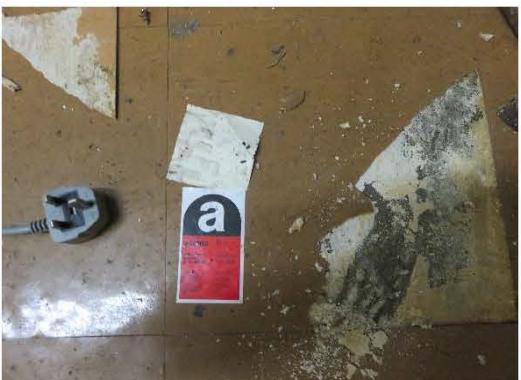


Photo 4612: Vinyl floor tile with mastic (ACM) in Room G10 on the G/F of Training Centre



Photo 4613: Vinyl floor tile with mastic (ACM) in Room G11 on the G/F of Training Centre



Photo 4624: Vinyl floor tile with mastic (ACM) in office area on the 4/F of EMSD Headquarters

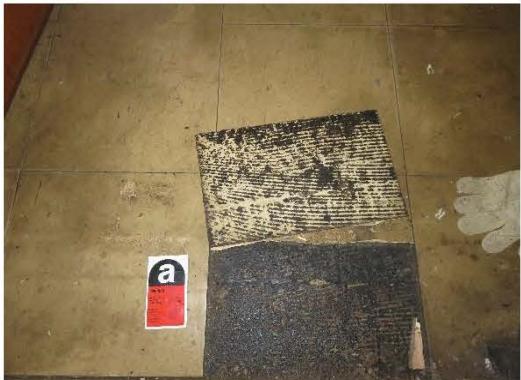


Photo 4637: Vinyl floor tile with mastic (ACM)
in office area on the 2nd basement of CAS
Headquarters