TAYLOR ELECTRICAL CONTRACTORS YARM

FIRE DETECTION AND ALARM SYSTEM INSPECTION AND SERVICING REPORT

Certificate Reference:	10938414

1 DETAILS OF THE CLIENT

Client:	XXX
Address:	XXX

2 DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Installation Address:	XXX
Details of the system:	Kentec 8 Zone Conventional Fire Detection System Covering Two Floors + Attic And Consisting Of x5 Manual Call Points + x30 Automatic Detectors + x10 Bells

3 EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND SERVICING

Extent of the fire detection and alarm system covered by this report:

All Control Indicating Equipment, Accessible Cabling, Manual Call Points, Accessible Automatic Detectors + Sounders/Bells

Agreed and operational limitations of the inspection and servicing (include reasons and person agreed with):

None

4 CERTIFICATION OF INSPECTION AND SERVICING

I/we being the competent person(s) responsible (as indicated by my/our signatures below) for the servicing of the fire detection and fire alarm system, particulars of which are set out below, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of Clause 45 of BS 5839-1:2017 quarterly inspection of vented batteries/periodic inspection and test/inspection and test over a 12 month period (delete as applicable), except for the variations, if any, stated in this certificate.

Variations from the recommendations of Clause 45 of BS 5839-1:2017 for periodic or annual inspection and test (as applicable):

None

The extent of liability of the signatory is limited to the system described above.

For the INSPECTION and SERVICING of the system:

Name:	Jason Taylor	Position:	Qualified Supervisor	Signature:		Date:	25/02/2019

5 DETAILS OF THE ELECTRICAL CONTRACTOR

Trading Title:	Taylor Electrical Contractors of Yarm LTD
Address:	12 Harker Close Yarm Post code: TS15 9TT
Registration Number (if applicable):	041686
Telephone Number:	07967470934

NICEIC APPROVED CONTRACTOR

6 SUMMARY OF THE INSPECTION AND SERVICING

See page 3 for a summary of the general condition of the fire detection and alarm system.

Overall assessment of the inspection and servicing in terms of it's suitability for continued use*: UNSATISFACTORY

* An unsatisfactory assessment indicates that dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.

7 OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached Schedule(s) of Inspections and Test Results, and subject to the limitations specified on page 1 of this report under 'Extent of the Installation and Limitations of Inspection and Testing':

N/A There are no items adversely affecting operational performance of the fire detection and alarm system

or

✔ The following observations and recommendations are made

Item No	Observations	Classification Code
1	System Operating Instructions Not Available	C3
2	No Set Time or Day For Weekly Testing	C3
3	Detectors Do Not Have CE Marks/Numbers	C3
4	No VADs in Sanitary Facilities	C2
5	Detectors Not Correctly Positioned - See Schedule	C2
6	A Number Of Detectors >10Yrs Old Or Have No Date On Them	C3
7	Sound Levels Do Not Meet Minimum Requirements	C2
8	No Special Key Isolation	C3
9	Not Connected to ARC	C3
10	Various Detector Removal Warning Not Working - See Schedule	C2
11	Various Detectors Obstructed - See Schedule	C2
12	No Warning Labels At Various Required Points	C3
13	Detectors Not On CIE Compatibility List - See Schedule	C3
14	Not 15 Lux At CIE (Fire Panel)	C3
15	Radiator Below CIE (Fire Panel)	C3
16	No Call Point - Top/Bottom Stairs	C2
17	No Detection - Kitchen Lobby	C2
18	No Detection - Basement Hallway Cupboard	C2
19	No Detection - Basement Main Boot Room	C2
20	No Detection - Gym/Hall Large Storage Cupboard	C2
21	No Detection - Outside (Attached) Shed	C2
22	Insufficient Coverage - Music Room	C2
23	Cable Fixings Not Non-combustible	C3
24	Incorrect Detection Type - Heat/Thermal When Optical More Appropriate	C2
25	Kindergarten Maglocks Dont Release On Fire Alarm Activation	C2

One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action:

- C1 Danger Present. Risk of injury. Immediate remedial action required
- C2 Potentially dangerous. Urgent remedial action required
- C3 Improvement recommended
- FI Further investigation required without delay

Immediate remedial action required for items:	N/A
Urgent remedial action required for items:	4, 5, 7, 10, 11, 16, 17, 18, 19, 20, 21, 22, 24, 25
Improvement recommended for items:	1, 2, 3, 6, 8, 9, 12, 13, 14, 15, 23
Further investigation required for items:	N/A

7 OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN (CONTINUED)

Item No	Observations	Classification Code
26	No Log Book Available	C3
27	Call Points Obstructed - See Schedule	C2
28	Call Points Incorrectly Located - See Schedule	C2

One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action:

C1 Danger Present
Risk of injury. Immediate remedial action required

C2 Potentially dangerous
Urgent remedial action required

C3 Improvement recommended

FI Further investigation required without delay

Immediate remedial action required for items:	N/A
Urgent remedial action required for items:	27, 28
Improvement recommended for items:	26
Further investigation required for items:	N/A

8 SUMMARY OF THE INSPECTION AND SERVICING

Where the overall assessment of the suitability of the fire detection and alarm system for continued use on page 1 is stated as 'UNSATISFACTORY', I/We recommend that any observations classified as 'Code 1 - Danger Present' or 'Code 2 - Potentially dangerous' are acted upon as a matter of urgency.
Investigation without delay is recommended for observations identified as 'Further Investigation Required'.
Observations classified as 'Code 3 - Improvement recommended' should be given due consideration.

General condition of the fire detection and alarm system:

Significant Improvements Required

Date(s) of the inspection and servicing: 25/02/2019

✔ Outstanding defects reported to responsible person

✘ Relevant details of the work carried out and faults identified have been entered in the system log book

During the past 12 months: N/A false alarms have occurred.

This number of false alarms equates to false alarms per 100 automatic fire detectors per annum: N/A
(for Category M systems enter 'Not Applicable').

9 NEXT INSPECTION AND SERVICING

Based upon risk assessment, taking into account the type of system and the environment, I/We recommend that this installation is further inspected and serviced after an interval of not more than:

6 Months (Enter interval in terms of years, months or weeks, as appropriate)

provided that any items in section 7 which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or require further investigation are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable (see section 7).

10 RELATED REFERENCE DOCUMENTS

Related reference documents and certificate numbers:

FSM6C/04180805 - 07/07/18

11 QUARTERLY INSPECTION OF VENTED BATTERIES

N/A Batteries checked

N/A Electrolyte levels checked and topped up as necessary

N/A Battery connections checked

12 SCHEDULE OF ITEMS INSPECTED

Premises Note that structural or occupancy changes may have affected compliance with BS 5839-1:2017.

✘ Manual call points suitably sited

✘ Manual call points are unobstructed

✘ Manual call points are conspicuous

✔ All exits, including any new exits, have manual call points

✘ Automatic fire detectors suitable for building use or occupancy

✘ Automatic fire detectors suitably sited

✘ Fire alarm devices suitably sited

✘ No partitions within 500 mm horizontally of any automatic fire detector (Clause 22.3g)

✔ No storage within 300 mm of ceilings (Clause 22.3i)

✘ Clear space of 500 mm exists below each automatic fire detector (Clause 22.3n)

✘ Each automatic fire detector's ability to receive the stimulus it is designed to detect has not been impeded by any other means

✔ Building use or occupancy does not make existing types of automatic fire detector unsuitable for detection of fire or prone to unwanted alarms

N/A Additional fire detection and alarm equipment provided in any extensions or alterations to the building

Documentation

✘ System log book examined

N/A Any faults recorded have been attended to

False Alarms

N/A Record of false alarms checked in accordance with Clause 30.2i

N/A Rate of false alarms during the previous 12 months recorded (Clause 30.2i)

N/A Action taken in respect to false alarms complies with the recommendations of Clause 30.2j:

No Recorded False Alarms (No Log Book)

13 SCHEDULE OF ITEMS TESTED

✔	Fire alarm functions of CIE checked by operation of at least one detector or manual call point in each circuit and entry made in log book indicating which initiating devices used for these tests
✔	Operation of fire alarm devices
✔	Controls and visual indicators at CIE checked for correct operation
N/A	Ancillary functions of CIE tested
✔	For CIE, manufacturer's checks and tests performed
✔	Fault indicators and their circuits checked by simulation of fault conditions
N/A	Automatic transmission of alarm signal to receiving centre
N/A	Automatic transmission of other signals, such as fault signals, to receiving centre
N/A	Radio systems serviced in accordance with manufacturer's recommendations
✔	For other equipment, manufacturer's checks and tests performed
N/A	Printers checked for correct operation
N/A	Printers checked that characters are legible
N/A	Print consumables available in sufficient quantity to ensure operation until next service visit
✔	Standby battery disconnected and full load alarm simulated
N/A	Specific gravity of each cell of vented batteries checked
✔	Mains disconnected and batteries momentarily load tested (other than those within devices such as manual call points, detectors and fire alarm sounders of a radio linked system)

14 ARRANGEMENTS IN PLACE FOR REPAIR OF FAULTS OR DAMAGE

✔	Emergency call out arrangement in place where maintenance carried out by a third party
✔	Name and telephone number of any third party responsible for maintenance prominently displayed at main CIE
✔	Records and documentation give information on maintenance arrangements. See Clause 40
✘	User records faults or damage in log book
✔	User arranges for repairs to be carried out as soon as possible

15 OVER A 12 MONTH PERIOD - SCHEDULE OF ITEMS INSPECTED

Premises

✔	Automatic fire detectors unpainted
✔	Automatic fire detectors undamaged
N/A	Visual fire alarm devices not obstructed
N/A	Lenses of visual fire alarm devices are clean
✘	Readily-accessible cable fixings secure
✔	Readily-accessible cable fixings undamaged

Documentation

✔	Cause and effect programme confirmed as being correct

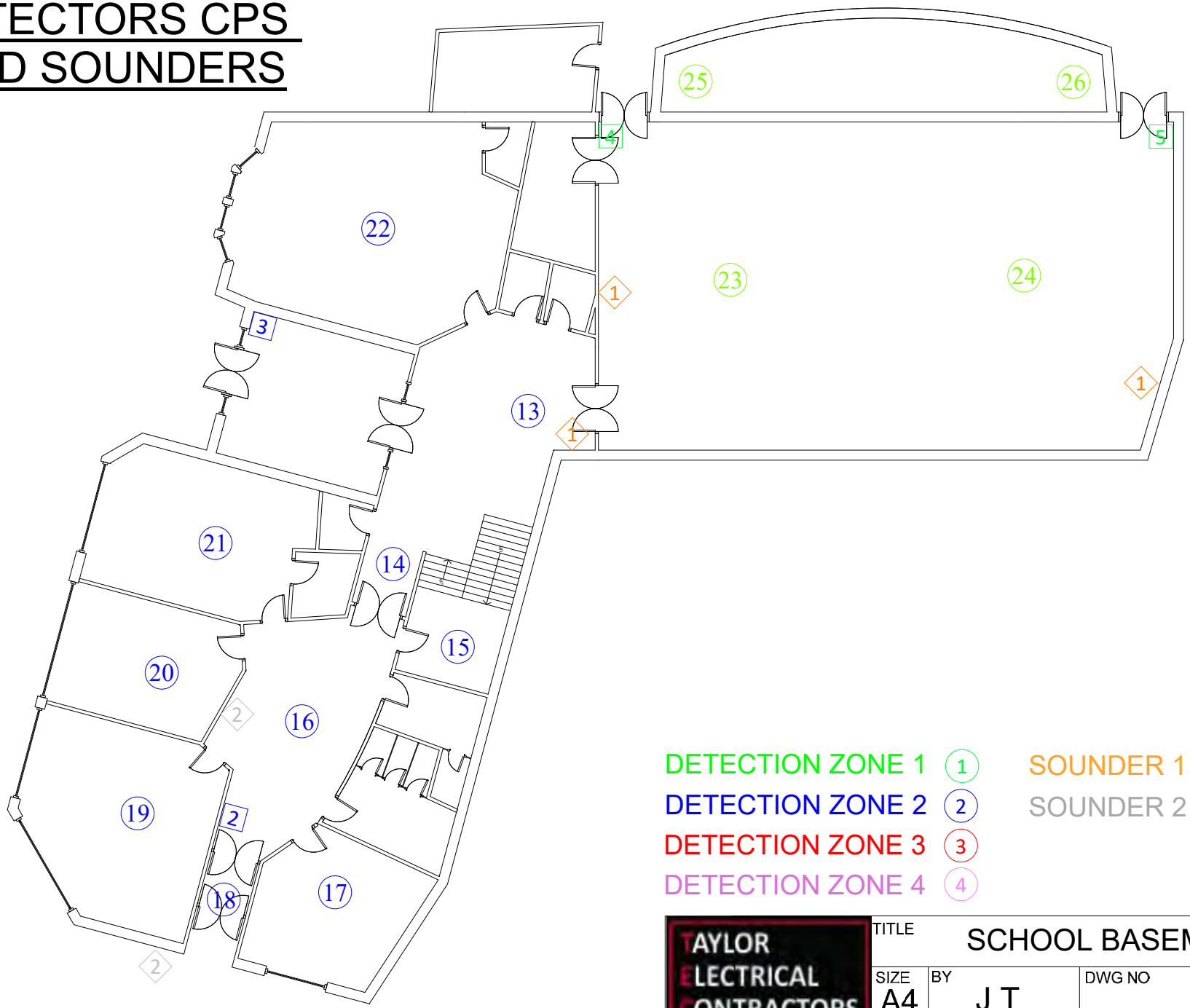
16 OVER A 12 MONTH PERIOD - SCHEDULE OF ITEMS TESTED

✔	Switch mechanism of every manual call point
✔	Fire alarm devices checked for correct operation
✔	Automatic fire detectors functionally tested, including heat detectors, point smoke detectors, optical beam smoke detectors, aspirating fire detection systems, carbon monoxide fire detectors, flame detectors and multi-sensor detectors
N/A	All unmonitored, permanently-illuminated filament lamp indicators at CIE replaced
✔	CIE manufacturer's annual checks and tests carried out
N/A	Radio signal strengths checked for adequacy
N/A	For fire detection systems that enable analogue values to be determined it should be confirmed that each analogue value is within the range specified by the manufacturer
✔	Standby power supply capacity checked
✔	Checks recommended by manufacturers of other components of system carried out

17 ADDITIONAL CHECKS UPON CHANGE OF SERVICING ORGANISATION

N/A	Adequate number of call points (Clause 20.2)
N/A	Adequate provision of fire detection for the category of system
N/A	Sound pressure levels comply with Clause 16.2
N/A	Changes in use, layout or construction of the premises have not reduced system effectiveness
N/A	Cabling has fire resistance complying with Clause 26.2
N/A	Circuits monitored in compliance with Clause 12.2
N/A	Requirements of BS 7671 are met (Clause 29)
N/A	Standby power supplied provided
N/A	Standby power supplies comply with Clause 25.4
N/A	Exposure to false alarms is not excessive (see Section 3)
N/A	Experience to false alarms is not excessive (see Section 3)
N/A	Existing records checked
N/A	Log book available. (If not available, a suitable log book should be provided by the servicing organisation). (See Clause 48.2)

DETECTORS CPS AND SOUNDERS



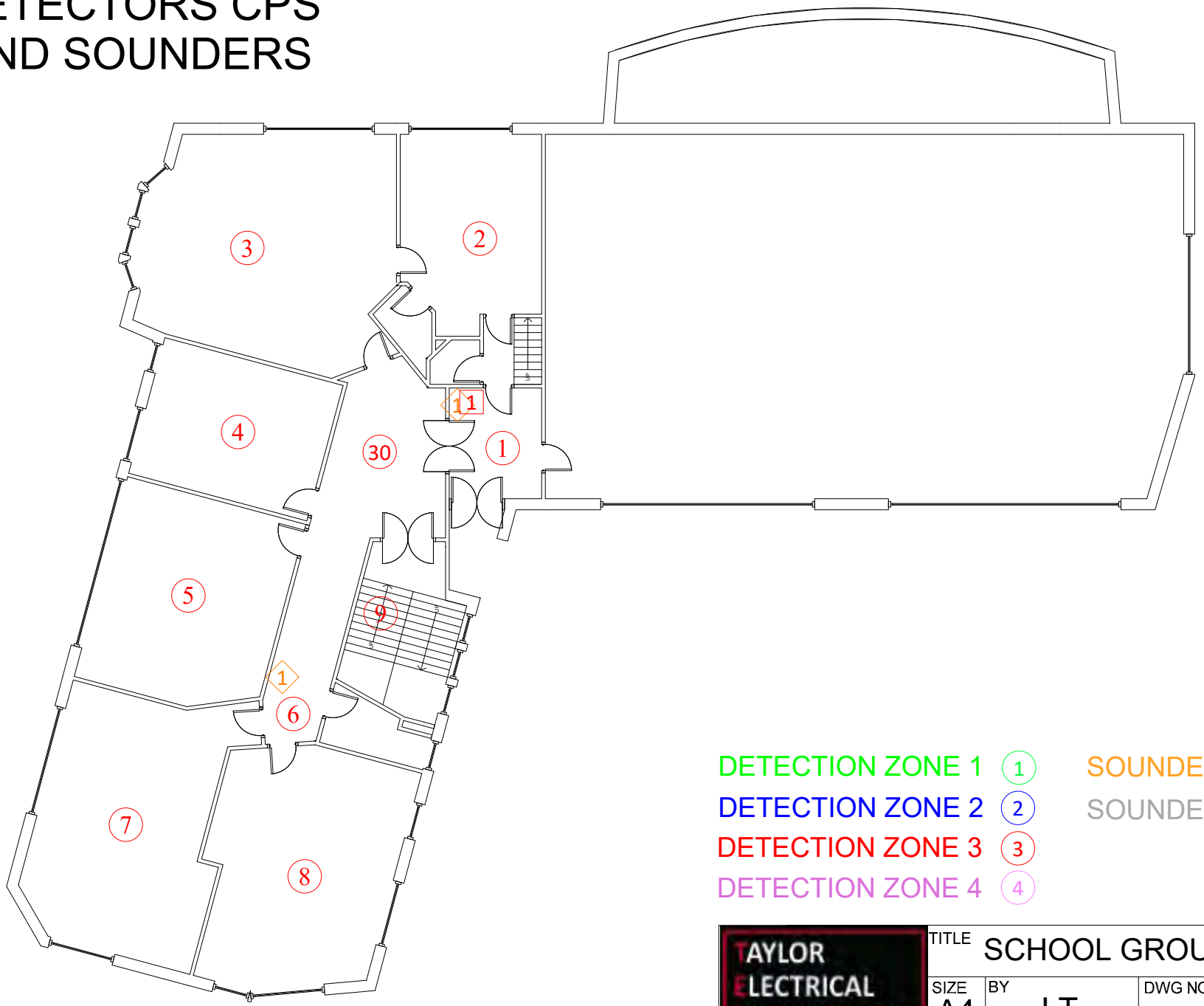
DETECTION ZONE 1 (1)
DETECTION ZONE 2 (2)
DETECTION ZONE 3 (3)
DETECTION ZONE 4 (4)

SOUNDER 1 (1)
SOUNDER 2 (2)

TAYLOR ELECTRICAL CONTRACTORS YARM

TITLE	SCHOOL BASEMENT		
SIZE A4	BY J T	DWG NO	REV
SCALE NOT TO SCALE		SHEET	

DETECTORS CPS AND SOUNDERS



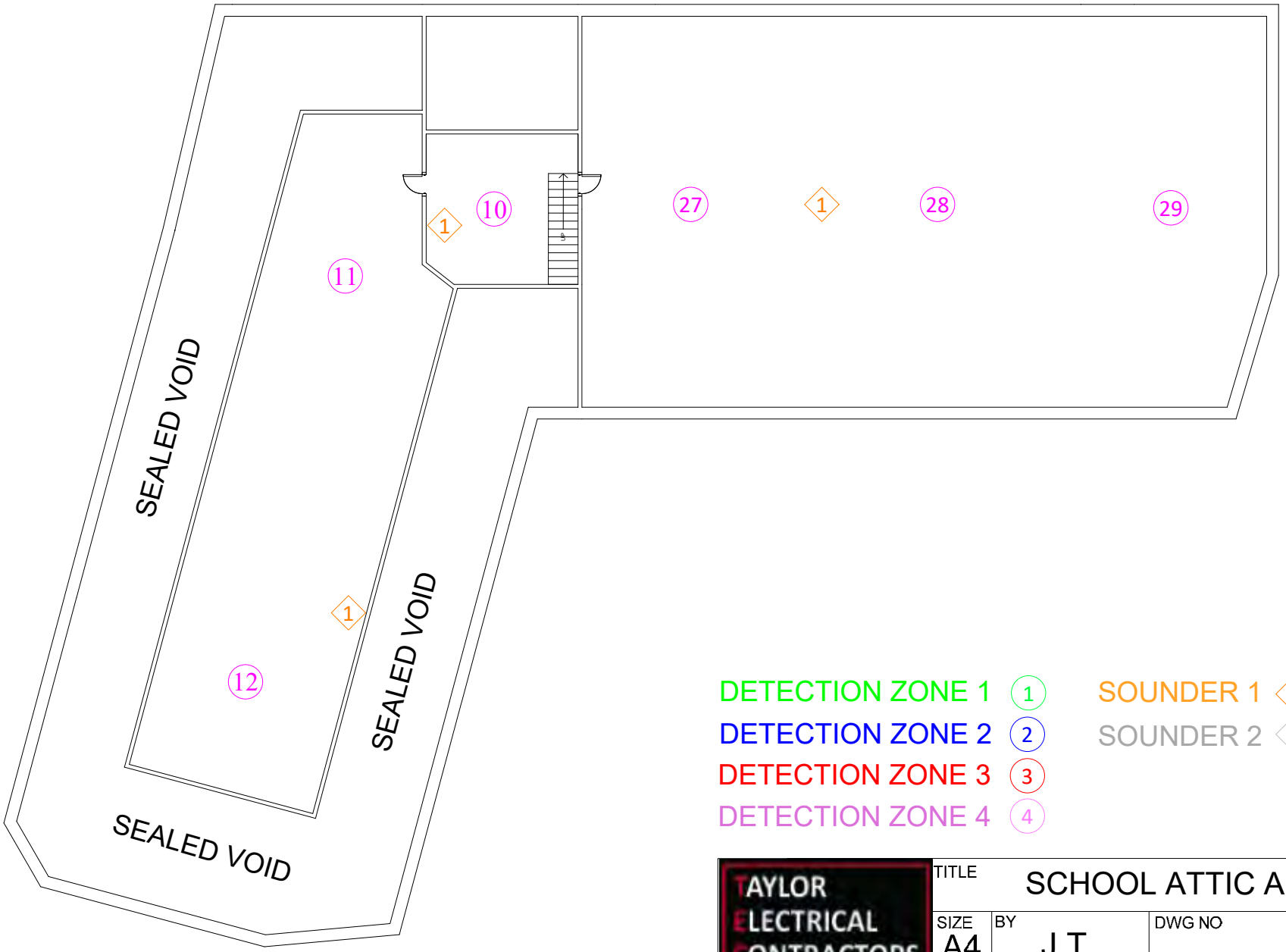
DETECTION ZONE 1 (1)
DETECTION ZONE 2 (2)
DETECTION ZONE 3 (3)
DETECTION ZONE 4 (4)

SOUNDER 1 (1)
SOUNDER 2 (2)

TAYLOR ELECTRICAL CONTRACTORS YARM

TITLE	SCHOOL GROUND FLOOR		
SIZE A4	BY J T	DWG NO	REV
SCALE NOT TO SCALE		SHEET	

DETECTORS CPS AND SOUNDERS



DETECTION ZONE 1 (1)
DETECTION ZONE 2 (2)
DETECTION ZONE 3 (3)
DETECTION ZONE 4 (4)

SOUNDER 1 (1)
SOUNDER 2 (2)

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TITLE	SCHOOL ATTIC AREA		
SIZE A4	BY J T	DWG NO	REV
SCALE NOT TO SCALE		SHEET	

TAYLOR ELECTRICAL CONTRACTORS YARM

Fire Detector Test Schedule

School

Test Date 25/02/2019
Panel Kentec K11080M2
Battery Date 05/10/2017
Battery Type x2 12V 7.0Ah

ID	Make	Model	Type	Zone	Location	Date	Test	Warn	Cable	Sealed	Obstruct	Position	EOL	Notes
1	Menvier	MPD720	Photoelectric	3	Entrance	Dec-97		N	MICC	Y	N	N	N	<200mm Light
2	Hochiki	DFE_60E	Heat -Grade 2	3	Kitchen	Oct-92		Y	MICC	Y	N	N	N	>150mm Apex
3	Hochiki	DCA/E	Thermal	3	Dining Room	X		Y	MICC	Y	Y	N	N	Lampshade Within 500mm
4	Hochiki	DCA/E	Thermal	3	Craft Room	X		Y	MICC	Y	N	Y	N	
5	Hochiki	DCA/E	Thermal	3	Office	X		Y	MICC	Y	N	Y	N	
6	Menvier	MPD720	Photoelectric	3	Hallway	Jul-97	Y	N	MICC	Y	Y	N	N	<500mm Wall
7	Hochiki	DCA/E	Thermal	3	Classroom 5	X	Y	Y	MICC	Y	Y	N	N	Lampshade Within 500mm
8	Hochiki	DCA/E	Thermal	3	Classroom 6	X	Y	Y	MICC	Y	N	N	Y	<200mm Light
9	Menvier	MPD720	Photoelectric	3	Top Stairs	Jul-97	Y	Y	MICC	Y	Y	N	N	<500mm Wall
10	Hochiki	SIH-E	Ionisation	4	Top Attic Stairs	X		Y	MICC	Y	Y	N	N	<x2 Beam
11	Hochiki	SLK-E	Photoelectric	4	Attic	Oct-92		Y	MICC	Y	Y	N	N	<x2 Beam / Plastic Clips
12	Hochiki	SIH-E	Ionisation	4	Attic	Oct-92		Y	MICC	Y	Y	N	N	<x2 Beam / Plastic Clips
13	Hochiki	SIH-E	Ionisation	2	Bottom Stairs	X		Y	MICC	Y	N	Y	N	
14	Hochiki	SIH-E	Ionisation	2	Bottom Stairs	X		Y	MICC	Y	N	Y	N	
15	Hochiki	DFE_60E	Thermal	2	Boiler Room	X		Y	MICC	Y	Y	Y	N	Pipes Obstructing
16	Apollo	CPR-F	Optical Smoke	2	Inner Foyer	Mar-17		N	MICC	Y	N	Y	N	
17	Hochiki	DCA/E	Thermal	2	Teachers Room	X	Y	Y	MICC	Y	N	N	N	>150mm Apex
18	Hochiki	DCA/E	Thermal	2	Kindergarten Lobby	X	Y	Y	MICC	Y	Y	N	N	Wall Mounted/ / <150mm Apx
19	Hochiki	DCA/E	Thermal	2	Kindergarten	X	Y	Y	MICC	Y	N	N	N	<200mm Light
20	Hochiki	DCA/E	Thermal	2	Classroom 2	X	Y	Y	MICC	Y	N	Y	N	
21	Hochiki	DCA/E	Thermal	2	Classroom 1	X	Y	Y	MICC	Y	N	N	N	>150mm Apex
22	Hochiki	DCA/E	Thermal	2	Boot Room	X	Y	Y	MICC	Y	N	Y	Y	Insufficent Coverage
23	Hochiki	SLR/E3N	Smoke	1	Main Hall	X		N	MICC	Y	N	Y	N	
24	Hochiki	SLR/E3N	Smoke	1	Main Hall	X		N	MICC	Y	N	Y	N	
25	Hochiki	DCA/E	Thermal	1	Stage Cupboard	X	Y	Y	MICC	Y	Y	N	N	<500mm Wall/>150mm Apex
26	Hochiki	DCA/E	Thermal	1	Stage Cupboard	X	Y	Y	MICC	Y	N	N	N	>150mm Apex
27	Hochiki	SIH-E	Ionisation	4	Hall/Gym Attic	X	Y	Y	MICC	Y	Y	Y	N	< x2 Beam/Plastic Clips
28	Hochiki	SIH-E	Ionisation	4	Hall/Gym Attic	X	Y	Y	MICC	Y	Y	Y	N	< x2 Beam/Plastic Clips
29	Hochiki	SIH-E	Ionisation	4	Hall/Gym Attic	X	Y	Y	MICC	Y	N	Y	Y	Plastic Clips
30	Hochiki	DCA/E	Thermal	3	GF Corridor	X	Y	Y	MICC	Y	N	Y	N	

CP1 	Manual Call Point	3	Entrance	N/A		N/A	MICC	Y	Y	N	N	Items In Front	Cover
CP2 	Manual Call Point	2	Kindergarten Boot Rm	N/A		N/A	MICC	Y	N	Y	N		Cover
CP3 	Manual Call Point	2	Main Boot Room	N/A	Y	N/A	MICC	Y	N	Y	N		Cover
CP4 	Manual Call Point	1	Hall Gym	N/A		N/A	MICC	Y	N	Y	Y		Cover
CP5 	Manual Call Point	1	Hall Gym	N/A	Y	N/A	MICC	Y	N	Y	N		Cover
Bell 1	6" Bell	1	See Plans	N/A	Y	Y	MICC	Y	N	Y	Y	Eol - Large Attic	
Bell 2	6" Bell	2	See Plans	N/A	Y	Y	MICC	Y	N	Y	Y	Eol - Outside Kindergarten Entrance	