Existing drop for new services including air conditioning pipework to ground floor. Provide additional trunking if necessary

Fit 4 no. new led strip light fittings connected to existing supply. 2no. fittings to be emergency. Provide new switch adjacent to D103. Hang fittings from ceiling as adjacent room.

Fit new air conditioning unit internally at high level.

D103
CCTV
KP
D102
New switch to be connected to existing lighting in office space

Collections Workspace

SD   Relocate extg   SD

CCTV

IAP NVR

Collections Store

Museum Office

D104
MAG

2D   W109   W108   W107   2D   W106   D101   CCTV   W105   W104   W103 FS   W102   W101

Air conditioning pipework route at high level

Fit new air conditioning unit internally at high level.

Proposed First Floor Plan
1:100 @ A3

0   1   2   3   4   5 M

Intruder Alarm

Supply and fit:
Control Equipment:
1 x Grade 3 Scantronic ION alarm panel to be located on the rear wall in the collections store.
1 x Grade 3 Scantronic ION keypad located adjacent to either door D103 or D104 depending in the choice of entry rout.
1 x Grade 3 Scantron ION10 Wired expander, Located on the rear wall in collections near the alarm panel.

Warning Devices:
1 x internal sounder location above D103

Alarm Monitoring:
1 X GRADE 3 Redcare secure to be located inside the main control panel

Detection Device: (not shown on drawings but to be included)
ZONE 1 - Supply and fit 1 x Grade 3 door contact on the top lock side of door D104.
ZONE 2 - Supply and fit 1 x Grade 3 door contact on the top lock side of door D103.
ZONE 3 - Supply and fit 1 x Grade 3 door contact on the top lock side of door D104.
ZONE 4 - Supply and fit 1 x Grade 3 Dual tech motion detector above door D101 in collections store.
ZONE 5 - Supply and fit 1 x Grade 3 Dual tech motion detector adjacent to the alarm panel in collections store.
ZONE 6 - Supply and fit 1 x Grade 3 Dual tech 360 motion detector on the cage celling above window W103 LEFT walk way.
ZONE 7 - Supply and fit 1 x Grade 3 Dual tech 360 motion detector on the cage celling above window W103 RIGHT walk way.
ZONE 8 - Supply and fit 1 x grade 3 Panic Alarm button in collections workspace.
ZONE 9 - Supply and fit 1 x grade 3 Panic Alarm button in collections store.

CCTV
Supply and fit:
1 x 8 channel Network Video Recorder (NVR) in the collections store located on a desk next to door D101.
1 x 21inch flat screen LED monitor to be located on top of the NVR in the collections store.
1 x 3TB Surveillance Seagate hard drive.

Cameras:
Camera type A
4 MP IR Fixed Dome Network Camera
• 1/3" Progressive Scan CMOS
• 2688 ×1520@30fps
• 2.8 fixed lens
• Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
• H.265+, H.265, H.264+, H.264
• Three streams
• 120dB WDR
• 2 Behavior analyses, and face detection
• BLC/3D DNR/ROI/HLC
• IP67

Camera 1 - Supply and fit camera type A above door D101 looking into collections workspace covering the doors and windows.
Camera 2 - Supply and fit camera type A above door D103 looking into collections workspace covering the doors and windows.
Camera 3 - Supply and fit camera type A above door D101 looking into collections store looking along the main windows down to the back wall.
Camera 4 - Supply and fit camera type A in the collections store adjacent to the alarm panel looking down the back walkway.

All new cabling to run in existing conduit/ trunking or to be installed in new to match existing

Provide all power supplies/ data points as required for CCTV cameras, maglocks etc

Symbol	Description	Symbol	Description
(red circle)	Manual break glass call point	i2	Twin switched socket
SD	Smoke detector		Light switch
(envelope)	Emergency light	FS	Fused spur
(bollard)	Emergency bollard light	2D	Twin data point
(green arrow)	Escape route	IAP	Intruder alarm panel
MAG	Maglock linked to fire alarm	KP	Intruder alarm key pad
		DC	Intruder alarm door contact
		IA	Intruder alarm movement sensor
			Intruder alarm sounder
			Panic button
			Break glass door release button
		NVR	Network video recorder
		CCTV	CCTV camera