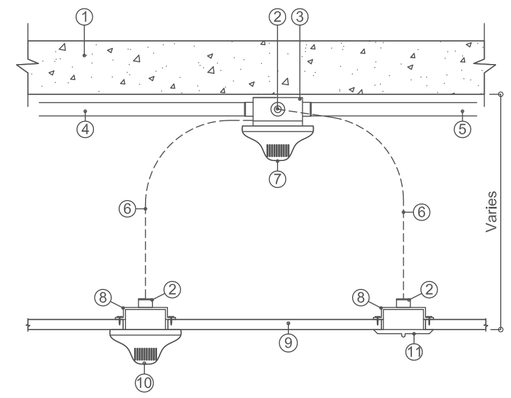

Legend :

1 - Slab
2 - Gland
3 - 4-Way drawbox
4 - Ø25 conduit with metallic saddles
5 - Fire Rated cable to BS 6387
6 - Reyroll type sprague adaptalock flexible, black
7 - Detector for ceiling void
8 - Back entry drawbox
9 - Ceiling tile
10 - Detector in room space
11 - Void detector LED and address

Typical Smoke Detector Detail
(Ceiling Void Detector only when applicable)

GENERAL NOTES

A) THIS DRAWING TO BE USED FOR SECURITY, ACCESS CONTROL, FIRE DETECTION, INTERCOM, BGM (P.A.), TELEPHONE AND DATA/COMMS PURPOSES ONLY.

B) DO NOT SCALE THIS DRAWING.

C) REFER TO ARCHITECTS AND STRUCTURAL ENGINEERS DRAWINGS FOR ALL BUILDING DIMENSIONS, LATEST BUILDING REVISIONS AND SERVICES.

D) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SECURITY, ACCESS CONTROL, FIRE DETECTION, INTERCOM, BGM (P.A.), TELEPHONE AND DATA/COMMS SPECIFICATION.

E) ALL WORK TO COMPLY WITH RELEVANT STANDARD CODES OF PRACTICE, SPECIFICATIONS AND REGULATIONS.

F) NOT WITHSTANDING ANYTHING TO THE CONTRARY, ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED IN ANY MATERIAL FORM (INCLUDING PHOTOCOPYING OR STORING IN ANY MEDIUM OR BY ELECTRONIC MEANS AND WHETHER OR NOT TRANSIENTLY OR INCIDENTLY TO SOME OTHER USE OF THIS DRAWING) AND ALSO, THIS DRAWING MAY NOT BE USED FOR ANY PURPOSE OR REASON OTHER THAN FOR WHICH IT WAS ORIGINALLY ISSUED, WITHOUT THE WRITTEN PERMISSION OF IBUYA CONSULTING ENGINEERS.

DRAWING NOTES:

REFER TO DETAIL DRAWING NO. 17052_511 FOR ACCESS CONTROL DETAILS.

NOTES: (1) - Contractor to ensure max distance between draw boxes 20 metres notwithstanding anything to contrary. (2) - Draw boxes required after every second 90 deg. bend or 180 deg. total of slow bends. (3) - All unwired conduits to be provided with draw wires. These will be withdrawn and checked at random. (4) - Cast in conduits to be spaced 35mm. minimum.

- S 100x100 CONDUIT BOX.
- MS 100x100 CONDUIT BOX AT 500AFFL.
- MS 100x100 CONDUIT BOX AT 1200AFFL.
- L 100x50 CONDUIT BOX
- L 100x50 CONDUIT BOX AT 500AFFL.
- T 100x50 CONDUIT BOX AT 1200AFFL.
- 100x100 CONDUIT BOX.
- ROUND DRAW BOX
- S 100x100 DRAW BOX

MA - MOTION ALARM
AA - ACCESS ALARM
AC - ACCESS CONTROL
etc. CR - ACCESS CONTROL READER
EO - EXIT OVERRIDE
AO - ALARM OVERRIDE
DR - DOOR RELEASE
DM - DOOR MONITOR
MG - MAGLOCK
ER - ELECTRIC RELEASE
EL - ELECTRIC LOCK/STRIKE
CAM - CAMERA
BGU - BREAK GLASS UNIT
SD/HD - SMOKE DETECTOR / HEAT DETECTOR
SS - SOUNDER ALARM

COM - COMMUNICATION/INTERCOM
BGM - BACK GROUND MUSIC SYSTEM WITH OR WITHOUT AUDIBLE VOICE REINFORCEMENT (PA)
100x50 BOX BEHIND POWER SKIRTING
CONDUIT TURNED UP ('D' FOR DOWN)
DOWN CONDUCTOR TO EARTH OR EARTH TIE.
SECTION OF CONDUIT OMITTED FOR CLARITY
20mm. DIA. CONDUIT.
25mm. DIA. CONDUIT.
32mm. DIA. CONDUIT.
50mm. DIA. CONDUIT.

OC - OVERHEAD CAST-IN
OS - OVERHEAD ON SURFACE OR LAID ON CEILING.
FC - FLOOR SLAB CAST-IN.
SQUARE GALV. STEEL DRAW TRAY AS SHOWN SHOWN.
POWER SKIRTING
TRUNKING
CABLE SLEEVE.
CABLE TRAY/LADDER

REFERENCE TO QUANTITY i.e. 3No.
REFERENCE TO A DETAIL i.e. DETAIL 2.
REFERENCE TO AN ELECTRICAL NOTE i.e. NOTE 4.
REFERENCE TO A STANDARD DRAWING i.e. STANDARD DRAWING No.34
CABLE NUMBER - REFER TO SCHEDULE FOR DETAILS
POWER CABLE

TELEPHONE JUNCTION BOX.
INTERCOM JUNCTION BOX.
DATA/COMMS JUNCTION BOX.
SECURITY, ETC. JUNCTION BOX
DISTRIBUTION BOARD POSITION.
DB-1 BOARD DESIGNATION NUMBER.
TELEPHONE POINT.
DATA/COMMS OUTLET.

CCTV CAMERA
CCTV CAMERA ON AUTO PANNING MOUNT
CCTV CAMERA ON PAN & TILT MOUNT
CCTV CAMERA ON AUTO PANNING IN DISCRETE OPAQUE DOME COVER
CCTV CAMERA FIELD OF VIEW

PASSIVE INFRARED CURTAIN DETECTOR
INFRARED BEAM TRANSMITTER AND RECEIVER
INFRARED OR ULTRASONIC MOTION DETECTOR
DOOR MONITOR - FLATLINE OF SYMBOL FACES ATTACK SIDE
X-RAY INSPECTION MACHINE OR LETTER/ PARCEL BOMB /EXPLOSIVE DETECTOR
WALK THROUGH METAL DETECTOR

220 VOLT POWER OUTLET FACILITY
SIGNAL OUTLET 2x4/4x4 FLUSH CONDUIT BOX.
SECURITY CONTROL PANEL/JUNCTION BOX
ELECTRIC LOCK/STRIKE
KEY SWITCH
FLOOR PEDAL SWITCH
DOOR RELEASE

MAGLOCK
ACCESS CONTROL READER
POLE MOUNTED ACCESS CONTROL CARD READER
VEHICLE BARRIER BOOM CONTROLLER
COMMUNICATION PANEL/JUNCTION BOX
INTERCOM MASTER STATION
INTERCOM SLAVE/SUBSTATION
INTERCOM CALL PUSH BUTTON UNIT

HORN/TRUMPET LOUDSPEAKER
CEILING FLUSH MOUNTED LOUDSPEAKER
WALL MOUNTED LOUDSPEAKER
TALK-BACK WALL MOUNTED LOUDSPEAKER
COLUMN SPEAKER
AT ATTENUATOR

MJ MICROPHONE INPUT JACK IN 100x100 CONDUIT BOX
SJ SPEAKER OUTPUT JACK IN 100x100 CONDUIT BOX
FM OR AM ANTENNA AS SPECIFIED
SOUND EQUIPMENT - CABINET RACK
CEILING MOUNTED MICROPHONE

MICROPHONE
RADIO MICROPHONE
FIRE ALARM PANEL/JUNCTION BOX
ALARM BELL
SMOKE IONISATION DETECTOR
HEAT DETECTOR
B BREAK GLASS UNIT

REV	DATE	BY	DESCRIPTION	CHK
A	01/09/22	VT	Revised to suit new layouts	MK
0	22/02/18	VT	ISSUED FOR APPROVAL	AM

REVISIONS

LDM
Solutions For The Built Environment

PROJECT/SERVICES

Government Printing Works
Refurbishment

TITLE

Fifth Floor
Electronic Services Devices
and Wiring Layout

ENGINEER:	DRAWN BY	DATE:	CHECKED	SCALE:
AM	VT	NOV'17		1:100

PAPER SIZE: A1

PROJECT No.	DRAWING No.	SHEET:	REV:
17052	706		A

FILE:17052_306 LAYERS:

A1_MST_1