



**GENERAL NOTES:**

- DO NOT SCALE FROM THIS DRAWING.
- ALL SECURITY SYSTEMS TO BE INSTALLED BY 1No. NACOSS NSI GOLD SPECIALIST REGISTERED SUB-CONTRACTOR.
- THE COMPLETE SECURITY SYSTEMS (CCTV, INTRUDER ALARM AND ACCESS CONTROL) SHALL BE A CONTRACTOR DESIGN PORTION (CDP) WITHIN THE CONTRACT. THE ELECTRICAL CONTRACTOR MUST APPOINT THE NOMINATED SECURITY SPECIALIST CONTRACTOR TO CARRY OUT THE FULL DESIGN, SUPPLY, INSTALLATION AND COMMISSIONING OF THE SECURITY SYSTEMS IN THEIR ENTIRETY.
- THE NOMINATED SECURITY SYSTEMS SPECIALIST CONTRACTOR SHALL BE PACIFIC FIRE & SECURITY LTD WHO ARE THE INCUMBENT SYSTEMS MAINTENANCE CONTRACTOR. A FULL QUOTE AND PROPOSALS FOR THE SECURITY SYSTEMS WORKS HAS BEEN PROVIDED BY PACIFIC AND IS INCLUDED WITHIN THE KJT/TENDER INFORMATION. THIS QUOTE WILL BE ACCEPTED BY THE ELECTRICAL CONTRACTOR.
- THIS DRAWING REPRESENTS THE DEVELOPED STAGE 3 DESIGN. THE DESIGN MUST BE REVIEWED BY THE SECURITY SYSTEMS SPECIALIST CONTRACTOR AND DEVELOPED BY THEM AS PART OF THEIR DESIGN.
- FINAL LOCATION OF ALL EQUIPMENT TO BE AGREED WITH ARCHITECT. FINAL LOCATION OF EQUIPMENT WITHIN ROOMS TO SUIT ROOM FURNITURE LAYOUTS.
- SYSTEM EQUIPMENT REFERENCES ARE FOR GUIDANCE ONLY. SPECIALIST CONTRACTOR SHALL COMPLETE DETAILED DESIGN OF SYSTEM AND CABLING.
- ALL CABLING SHALL BE CONCEALED WHERE POSSIBLE EXCEPT WITHIN PLANTROOMS AND RISERS.
- CONTAINMENT DROPS SHALL BE INSTALLED FROM LOCAL CEILING VOID CABLE TRAY TO A STEEL BACK BOX AT EACH EQUIPMENT LOCATION AS SHOWN BY THE ELECTRICAL CONTRACTOR. A DRAW WIRE WILL BE INSTALLED IN EACH DROP TO ALLOW THE CABLE INSTALLATION BY THE SECURITY CONTRACTOR.

**CCTV System Scope & Notes:**

- THE EXISTING LANDLORD CCTV SYSTEM SHALL BE RETAINED AND UPGRADED. THERE ARE CURRENTLY 50No CAMERAS PROVIDING PERIMETER COVERAGE OF THE BUILDING AND KEY INTERNAL AREAS. 18No ARE IP AND THE REMAINING 32No ARE ANALOGUE. ALL CAMERAS SHALL BE REPLACED WITH NEW HD 1080P IP CAMERAS. EXISTING COAX CABLING SHALL BE REUSED WHERE APPROPRIATE PARTICULARLY WITHIN THE HERITAGE AND LISTED AREAS OF THE BUILDING. CONTRACTOR TO ALLOW FOR COAX TO ETHERNET CONVERTER WHERE REQUIRED.
- AT THIS STAGE IT IS NOT PROPOSED TO ADD ANY ADDITIONAL CAMERA COVERAGE.
- A NEW DEDICATED CCTV SERVER, NVT RECEIVER HUBS, NVR STORAGE, AND NEW VIDEO MANAGEMENT SOFTWARE SHALL BE INSTALLED. THE EXISTING CONTROL SYSTEMS SHALL BE REPLACED IN ITS ENTIRETY AND MOVED ON TO THE GENETEC CONTROL & MONITORING PLATFORM USED BY THE ACCESS CONTROL SYSTEM.
- THE GENETEC SECURITY MANAGEMENT SYSTEM SHALL BE CAPABLE OF INTERFACING WITH THE FUTURE DIGITAL BUILDING MANAGEMENT SYSTEM UTILIZING A CONVERGED NETWORK CONNECTION AT THE CCTV/SECURITY FRONT END RACK.
- NEW POE SWITCHES SHALL BE INSTALLED WITHIN THE EXISTING SECURITY RACK AT BASEMENT LEVEL TO ACCOMMODATE THE PROPOSED NEW CAMERAS.
- THE EXISTING CCTV MONITORS WITHIN THE SECURITY ROOM SHALL ALSO BE REPLACED WITH NEW 4No 24" MONITORS TO PROVIDE ENHANCED USER MONITORING FACILITY.
- REFER TO THE KJT/T SPECIFICATION AND PACIFIC FIRE & SECURITY CCTV PROPOSALS FOR FURTHER DETAILS.
- ALL CAMERA VIEWING ANGLES AND LENS TYPES INCLUDING FOCAL LENGTHS TO BE SELECTED BY THE SPECIALIST CCTV MANUFACTURER TO SUIT THE LOCATION AND DESIGN INTENT AREA OF COVERAGE AS SHOWN
- CCTV SYSTEM TO PROVIDE 31 DAYS STORAGE CAPACITY. FRAME RATE AND IMAGE RESOLUTION TO BE DETERMINE DBY THE SECURITY SPECIALIST CONTRACTOR.

**Access Control System Scope & Notes:**

- THE EXISTING ACCESS CONTROL SYSTEM WAS INSTALLED IN 2020-21 AND IS FULLY OPERATIONAL. THE EXISTING SYSTEM SHALL BE RETAINED AND EXTENDED UNDER THE REFURBISHMENT WORKS.
- THE SYSTEM USES THE GENETEC CONTROL PLATFORM. THE GENETEC SECURITY MANAGEMENT SYSTEM SHALL BE EXTENDED TO INCORPORATE THE CCTV AND INTRUDER ALARM SYSTEMS TO PROVIDE AN INTEGRATED MANAGEMENT SYSTEM WITH THE FACILITY TO INTERFACE WITH THE FUTURE DIGITAL BUILDING MANAGEMENT SYSTEM UTILIZING A CONVERGED NETWORK CONNECTION AT THE SECURITY FRONT END RACK.
- THERE ARE CURRENTLY 10No ACCESS CONTROLLED DOORS LOCATED AT BASEMENT AND GROUND FLOOR LEVELS. THESE DOOR PROXIMITY CARD READERS SHALL BE UPGRADED TO BLE CAPABLE READERS TO ALLOW USER SMART PHONE ACCESS VIA APP BASED SOFTWARE.
- THE GENETEC ACCESS CONTROL SYSTEM IS FULLY EXTENDABLE TO PROVIDE ACCESS CONTROL COVERAGE THROUGHOUT THE BUILDING. ALL NEW PROXIMITY CARD READERS SHALL BE BLE TYPE TO ALLOW USER SMART PHONE/APP ACCESS.
- THE PROPOSED ACCESS CONTROL STRATEGY IS AS FOLLOWS:
  - ACCESS CONTROL TO EACH INDIVIDUAL LAB
  - LAB ENABLED FLOORS - ACCESS CONTROL TO EACH SUITE/ZONE ONLY. SYSTEM CAN BE EXTENDED BY TENANT TO INDIVIDUAL LABS.
  - LIFTS - ACCESS CONTROL ADDED WITHIN EACH LIFT CAR.
- ALL DOOR ACCESS/ENTRYPHONE CALL SETS TO BE AT DDA COMPLIANT HEIGHT. FINAL SETTING OUT BY THE ARCHITECT.
- ALL ACCESS CONTROLLED DOORS TO FAIL SAFE TO OPEN ON SYSTEM FAILURE, POWER FAILURE OR SIGNAL FROM FIRE ALARM SYSTEM.
- DOOR ACCESS CONTROLLERS SHALL BE CONTAINED WITH STEEL LOCKABLE BOXES WITHIN CEILING VOIDS/RISERS AND BE COMPLETE WITH INTEGRAL 12HOUR BATTERY BACK UP.
- ALL ELECTRONIC LOCKS ON ACCESS CONTROLLED DOORS TO BE SPECIFIED BY THE ARCHITECT AND SUPPLIED AS PART OF THE DOOR IRONMONGERY PACKAGE. SECURITY CONTRACTOR MUST LIAISE WITH IRONMONGERY CONTRACTOR TO CONFIRM FINAL INTERFACE REQUIREMENTS IN TERMS OF VOLTAGE ETC.
- ACCESS CONTROL SYSTEM TO OPERATE ON A DEDICATED PEER TO PEER NETWORK BY SECURITY SPECIALIST CONTRACTOR
- SECURITY CONTRACTOR TO INCLUDE FOR THE SUPPLY AND PROGRAMMING OF 500No CARDS WITHIN TENDER

**Intruder Alarm System Scope & Notes:**

- THE EXISTING INTRUDER ALARM SYSTEM IS CURRENTLY NOT FULLY OPERATIONAL. THE SECURITY SYSTEMS SPECIALIST CONTRACTOR SHALL INCLUDE FOR INVESTIGATING THE EXISTING SYSTEM AND IDENTIFYING EXISTING FAULTS THEN CARRYING OUT REMEDIAL WORKS TO BRING THE SYSTEM BACK INTO OPERATION.
  - THE INTRUDER ALARM SYSTEM COVERS ONLY THE EXTERNAL PERIMETER AND ENTRY/EXIT POINTS OF THE BUILDING. IT IS NOT PROPOSED TO EXTEND THE SYSTEM OR COVERAGE UNDER THE REFURBISHMENT WORKS.
  - THE INTRUDER ALARM SYSTEM MONITORING SHALL BE INCORPORATED INTO THE INTEGRATED SECURITY MANAGEMENT SYSTEM SOFTWARE/GRAPHICAL FRONT END
- Video Entryphone System Scope & Notes:**
- NO ADDITIONAL VIDEO ENTRYPHONE SYSTEMS ARE PROPOSED AS PART OF THE WORKS.

**ACCESS CONTROL LEGEND:**

- DOOR ACCESS CONTROLLER - THE SPECIALIST SECURITY CONTRACTOR SHALL DETERMINE THE QUANTITY OF CONTROLLERS REQUIRED TO SUIT THE GENETEC SYSTEM. LOCATION OF CONTROLLERS TO BE AGREED. SECURITY CONTRACTOR TO INCLUDE FOR ALL NECESSARY FIRE ALARM INTERFACES TO ENSURE ALL DOORS RELEASE ON FIRE SIGNAL.
- GREEN SEMI-FLUSH BREAKGLASS TO ALLOW EMERGENCY USE OF DOOR ON SYSTEM FAILURE
- CARD ACCESS READER (PROXIMITY) WITH BLE COMPATIBILITY
- ELECTRO MAGNETIC SOLENOID LOCK. EXACT TYPE TO BE SPECIFIED BY ARCHITECT AND INSTALLED BY DOOR IRONMONGERY CONTRACTOR.
- ELECTRO MAGNETIC STRIKE "KEEPER LOCK WITH FREE LATCHING EGRESS. TO BE SPECIFIED BY ARCHITECT AND INSTALLED BY DOOR IRONMONGERY CONTRACTOR.
- PUSH TO EXIT BUTTON
- FIXED CCTV CAMERA DOME
- CCTV MONITOR/KEYBOARD & JOYSTICK
- CCTV MULTIPLEXOR
- CCTV DIGITAL RECORDER

**DISABLED ALARM LEGEND:**

- DISABLED RESET UNIT
- DISABLED CALL INDICATOR/BUZZER
- DISABLED PULL CORD/INDICATOR
- DISABLED CALL SYSTEM REMOTE INDICATOR PANEL

EXISTING CORE AREAS ARE GENERALLY OUTWITH THE REFURBISHMENT SCOPE/WORKS AREAS. SECURITY SYSTEMS SPECIALIST CONTRACTOR SHALL EXTEND EXISTING SYSTEM NETWORK CABLING AS REQUIRED. CABLE ROUTES TO TAKE COGNISANCE OF HERITAGE FINISHES ETC.

S4 - P01	26/01/24	STAGE 3 CAT-B ISSUE	MZ	SH
SUIT-REV	DATE	DESCRIPTION	DRN	CHK

**STAGE 3**

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**DRAWING INFORMATION**

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