



HAN WHA SAMP NETWORK IR FLATVEY
CCTV CAMERA



PRPONIX TMD 15 GRADE 3 DUAL
INTRUDER ALARM DETECTOR



HAN WHA TECHWIN XRN-3210R2 NVR
32 CHANNEL CONTROL UNIT



PROTEC OPTICAL SMOKE & HEAT
DETECTOR/SENSOR WITH VISUAL ALARM



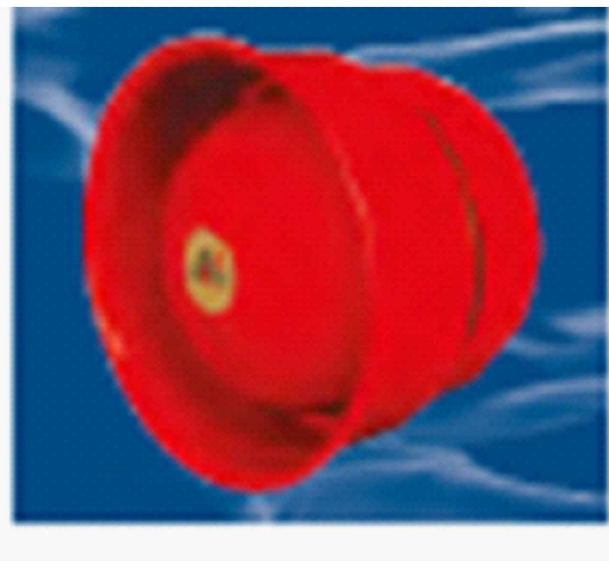
PROTEC DIGITAL ADDRESSABLE FIRE ALARM
PANEL ALSTEC 8500 - 8 COOP UNIT



SAMPLE OF FIRE ALARM ZONE CHART



PROTEC FIRE ALARM CALL POINT



PROTEC EXTERNAL IP65 SOUNDER
WITH FLASHING BEACON

MAINS DISTRIBUTION LEGEND	
SYMBOL	DESCRIPTION
	"P16A / SPAN" DISTRIBUTION BOARD "P / L / P / D / CCTV"

SMALL POWER LEGEND	
SYMBOL	DESCRIPTION
	TWIN SWITCHED SOCKET OUTLET MOUNTED AT 450mm AFL

DATA AND TELECOMS LEGEND	
SYMBOL	DESCRIPTION
	SINGLE RJ45 DATA OUTLET

CCTV LEGEND	
SYMBOL	DESCRIPTION
	WALL MOUNTED CCTV CABINET NETWORK VIDEO RECORDER REF: HAN WHA WISENET 32 CHANNEL NVR
	WALL / CEILING MOUNTED CCTV CAMERA REF: HAN WHA WISENETIP CAM MPXSEL DWR IR 5 AMP 4mm IR 20 CAMERA
	HD CCTV MONITOR
	SWITCH POE 8 PORT 30 WATT 10/100 POE+
	SWITCH POE 16 PORT 30 WATT 10/100 POE+
	POWER SUPPLY UNIT
	HD CCTV MONITOR

FIRE ALARM LEGEND	
SYMBOL	DESCRIPTION
	HEAT DETECTOR
	HEAT DETECTOR WITH SOUNDER AND STROBE BASE
	COMBINED OPTICAL HEAT DETECTOR
	COMBINED OPTICAL HEAT DETECTOR WITH SOUNDING SOUNDER & VAD
	STROBE (VAD) UNIT
	INPUT/OUTPUT INTERFACE UNIT
	FIRE ALARM PANEL "CONVENTIONAL / ANALOGUE ADDRESSABLE" "SINGLE LOOP / TWIN LOOP"
	20A KEY SWITCHED FUSED CONNECTION UNIT METAL CLAD FINISHED IN RED
	MANUAL CALL POINT
	FIRE ALARM CHARGING UNIT
	SURFACE MOUNTED ELECTRONIC SIREN & STROBE UNIT (IP65)

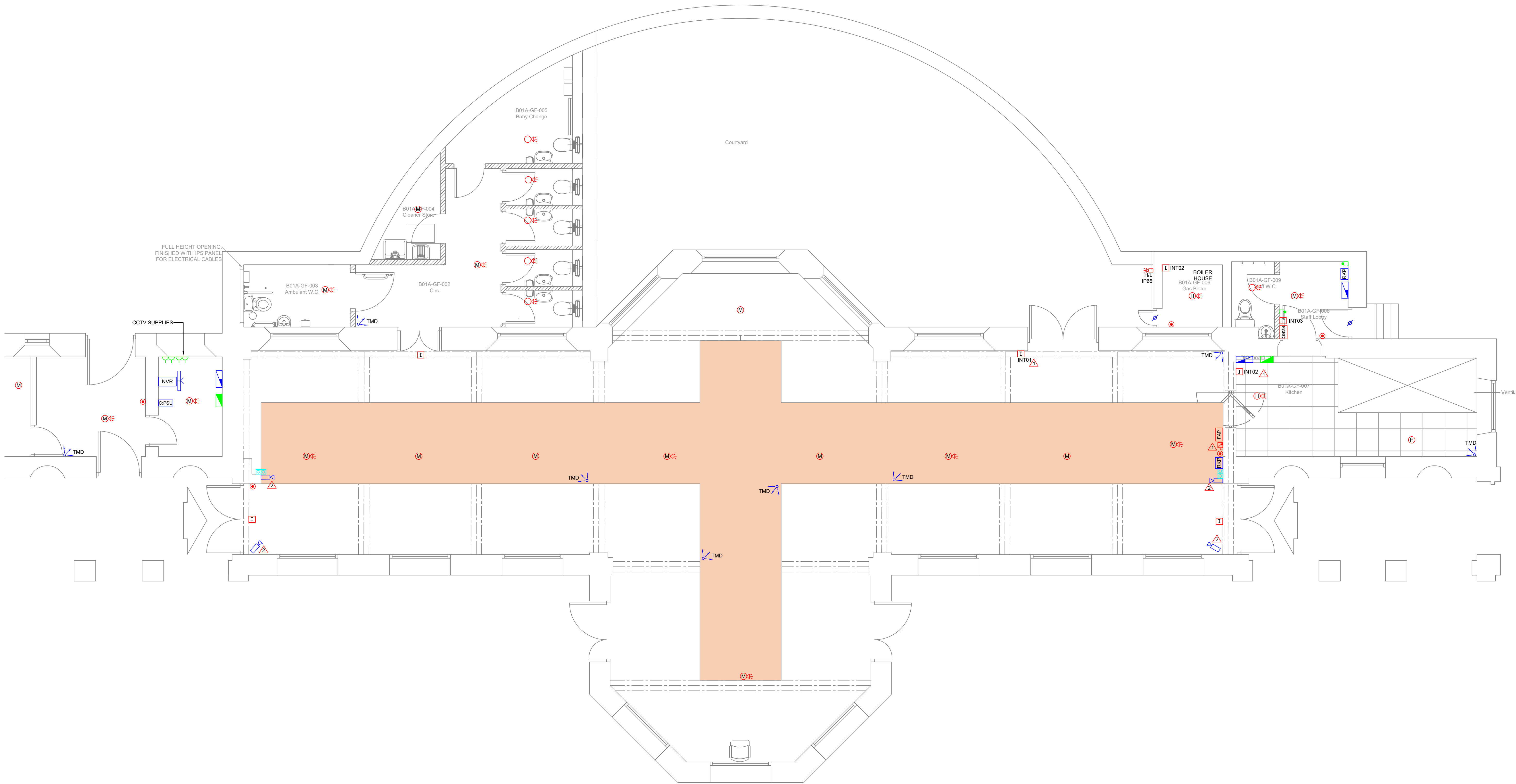
INTRUDER ALARM LEGEND	
SYMBOL	DESCRIPTION
	TEXCOM GRADE 3 (168) MULTI-CIRCUIT MICRO PROCESSOR CONTROL PANEL
	POWER SUPPLY UNIT
	REMOTE KEYPAD
	REMOTE ALARM SIGNALING COMMUNICATOR
	GSM COMMUNICATOR
	GRADE 3 ANTI-MASKING DIGITAL DUAL TECHNOLOGY MOTION DETECTOR
	GRADE 3 ANTI-MASKING DIGITAL LONG RANGE DUAL TECHNOLOGY DETECTOR
	GRADE 3 LARGE WHITE SURFACE MOUNTED MAGNETIC CONTACT
	GRADE 3 ANTI-MASKING DIGITAL TWIN MOTION DETECTOR WITH 2 NON-OVERLAPPING DETECTORS (PIR & DUAL TECHNOLOGY IN ONE HOUSING) PYRONIC TMD 15
	REMOTE ZONE EXPANDER
	REMOTE ZONE EXPANDER WITH SPEAKER DRIVE OUTPUTS 2 AMP PSU
	INTERNAL SOUNDER
	DECOY EXTERNAL SOUNDER
	TEXCOM PREMIER ELITE COYSEYE 3 ULTRA COMPACT LOW PROFILE IP65 GRADE 3 EXTERNAL SOUNDER AND STROBE UNIT
	RADAR DETECTOR (ROOF AREA ONLY) AX15 D2 110-Volt SECURITY RADAR

SMALL POWER LEGEND	
SYMBOL	DESCRIPTION
	13 AMP UNSWITCHED FUSED SPUR CONNECTION UNIT
	13 AMP SWITCHED FUSED SPUR CONNECTION UNIT

GENERAL NOTES	
1	THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ECS ELECTRICAL ENGINEERING SPECIFICATIONS.
2	THIS DRAWING IS INDICATIVE AND IS INTENDED TO HIGHLIGHT THE PROPOSED LOCATION FOR ELECTRICAL SERVICES. THE CONTRACTOR SHALL NOTE THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL INCLUDE TO PRODUCE THEIR OWN WORKING DRAWINGS. TAKE DETAILED SITE MEASUREMENTS. INDICATE THE PROVISION OF BUILDERS WORKS AND COORDINATE THE INSTALLATION OF ALL SERVICES.
3	THE CONTRACTOR SHALL NOTE THIS DRAWING HAS BEEN PRODUCED USING LIMITED SITE SURVEY INFORMATION. THE CONTRACTOR SHALL INCLUDE TO CARRY OUT AN INTRUSIVE SURVEY AND TO PRODUCE DRAWINGS THAT REFLECT THE INSTALLATION.
4	ALL EQUIPMENT SHALL BE INSTALLED & LOCATED TO MAINTAIN SPATIAL REQUIREMENTS TO FACILITATE ACCESS & MAINTENANCE IN LINE WITH MANUFACTURERS RECOMMENDATIONS AND GOOD PRACTICE GUIDES.
5	ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES.
6	DO NOT SCALE FROM THIS DRAWING.
7	ALL DETAILS ARE APPLICABLE TO EVERY DRAWING UNLESS INDICATED OTHERWISE.
8	THE CONTRACTOR SHALL INCLUDE TO IDENTIFY THE COMPLETE EXISTING ELECTRICAL INSTALLATION. EXTEND AND ADAPT TO FACILITATE THE PROPOSED WORKS.

DRAWING NOTES	
SYMBOL	DESCRIPTION
	THE CONTRACTOR SHALL NOTE FINAL LOCATIONS OF ALL FIRE ALARM PANELS INTERFACES. CALL POINTS TO BE AGREED ON SITE.
	THE CONTRACTOR SHALL NOTE FINAL LOCATIONS OF ALL CCTV CAMERAS AND INTRUDER ALARM DETECTORS TO BE AGREED ON SITE.
	THE CONTRACTOR SHALL NOTE THE MAIN BUILDING FIRE ALARM PANEL AND THE ORANGERY FIRE ALARM PANEL WILL BE LINKED USING INTERFACES (NEAREST TO EACH BUILDING)

LEGEND	
SYMBOL	DESCRIPTION
	THE RAFTING IS SHOWN AS TRANSPARENT HATCHING ON THE DRAWINGS



INTERFACE NOTES			
	COMMENTS	QUANTITY	UNIT
INT 01	FIRE ALARM INTERFACE LINK TO MAIN BUILDING FIRE ALARM PANEL	1	COUNT
INT 02	GAS SOLENOID VALVE	2	COUNT
INT 03	MUSIC CUT OFF	1	COUNT

14	INFORMATION ISSUE	G.M.	Feb. 2024
13	INFORMATION ISSUE (PLANNING)	G.M.	Feb. 2024
12	PRE ISSUE PLANNING	G.M.	Jan. 2024
11	INFORMATION ISSUE	G.M.	Aug. 2023
Rev.	Description	Revised By	Date

INFORMATION

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JOB NO.	DRAWING NO.	COMPUTER FILE	REVISION
24/100/OR	24/100/OR/E/03	24_100_OR_E_03	14
DATE	SCALE	DRAWN	CHECKED
Aug. 2023	1:50 @ A0	J.M.	G.M.
JOB TITLE	Heaton Park Hall		
DRAWN BY	Orangery Fire Safety and Security Systems Layout		

ISO 9001