

1.6 INCOMING SUPPLIES – EMERGENCY CONTACTS / PLANS OF SERVICES TO SITE

1.6.1 Emergency Contact Details

Service	Company	Contact telephone number
ELECTRICITY SUPPLY	Walter Miles	01663 112477
GAS SUPPLY		
DATA CABLING	Walter Miles	01663 112477
WATER SUPPLY		

Useful Information in Case of an Emergency

What to do if your electricity goes off

Firstly it is important that you check if it is just your electricity that is off or if other people are affected too. If the problem is affecting other people then you can call the Emergency Help Line number for the distribution company where you live. They will advise you on how long it will take to restore supply to your home or business.

Your local electricity distribution company is responsible for the power supply in your area. They are responsible for the wires and cables that connect your home or business to the National Grid. The event of a power cut that affects other houses or business in your area; you should contact your local distribution company.

If yours is the only home or business that is off supply, check your trip switch. If your trip switch is in the off position switch it back on. If it switches off again, one of your electrical appliances may be faulty. To find out if this is the case, switch off all your appliances, set the trip switch to the on position and switch on your appliances one by one. If the trip switch goes off again then you have found the faulty appliance.

Gas

If you smell gas or are worried about gas safety, call the National Gas Emergency Number IMMEDIATELY on 0800 111 999.

- DON'T smoke
- DON'T use naked flames
- DON'T turn electric switches on or off
- DO turn off the gas supply at the meter
- DO open doors and windows

SECTION 1.6: INCOMING SUPPLIES - PLANS OF SERVICES TO SITE

1.6.2 Plans of Services to Site

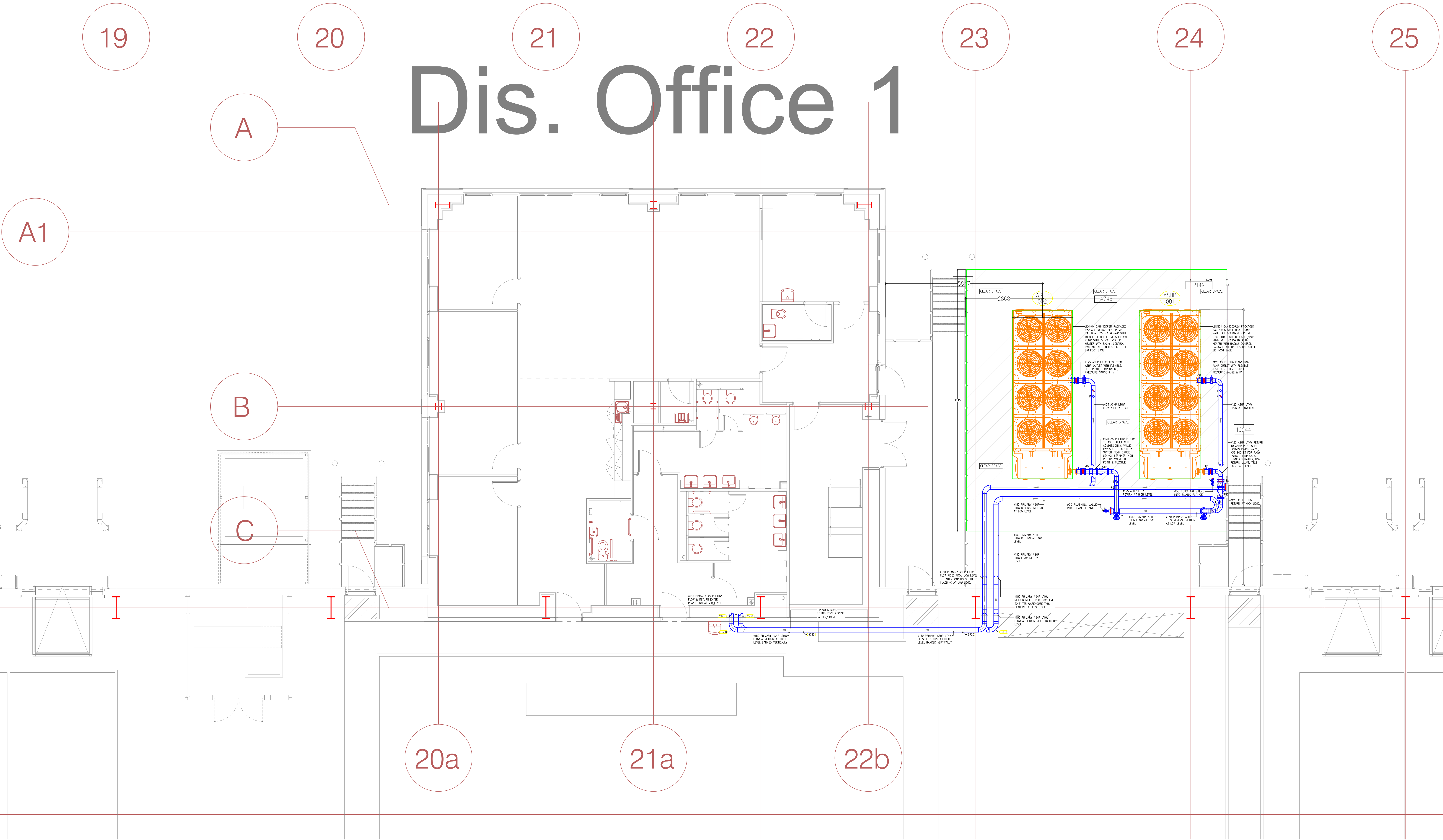
The Drawings follow in this section:

Do not allow any future contractors to dig within the building footprint without all statutory Health and Safety precautions and a full survey being undertaken.

Mechanical Works WME Electrical Works Walter Miles

Drawing Number	Drawing Title	Rev
P23027-WMB-WH-00-DR-M-1000	Distribution Office 1 Warehouse & External	AB
P23027-WMB-WH-00-DR-M-1002	Distribution Office 2 Warehouse & External ASHP Heating Services Layout	AB
P23027-WMB-ZZ-00-DR-M-0906	Distribution Office No. 1 & 2 External ASHP Mechanical Services Wiring Layout	AB
P23027-WME-EW-SI-DR- E-0500	External Services Layout	AB
P23027-WME-EW-SI-DR-E-0508	External Duct Layout	AB

REF	LOCATION	MAKE	MODEL	REFRIGERANT TYPE	HTG DUTY (kW)	NETT DUTY (kW)	FLOW TEMP (°C)	RETURN TEMP (°C)	AIR SOURCE HEAT PUMP				INTEGRAL SAFETY VALVE	SIZE (mm)	WEIGHT (KG)	DUTY(SHARE) CASCADE	POWER REQUIREMENTS	RUNNING CURRENT (Amps)	ACCESSORIES
									MODE	FLOW RATE (L/S)	INTEGRAL PRIMARY PUMP	INTEGRAL EXP. VESSEL							
ASHP-001	EXTERNAL TO DISTRIBUTION OFFICE	LENNOX	KCOMFORT GAH502P2M	R32	329.00	274.00	45	40	16.47	Yes Twin	Yes	Yes	Yes	5240x2250(W) x2401.5(H)	5501	CasCade	3Ph: 415V / 50Hz	448	LOW NOISE RIGID ACOUSTIC COMPRESSOR HOUSING, REINFORCED LEAK DETECTION, 5000 LITRE BUFFER VESSEL, 72 KW BACK UP ELECTRIC HEATER, 5000 WATT COMMUNICATION TO BMS, ENERGY METER, 500 WATT MOUNTS
ASHP-002	EXTERNAL TO DISTRIBUTION OFFICE	LENNOX	KCOMFORT GAH502P2M	R32	329.00	274.00	45	40	16.47	Yes Twin	Yes	Yes	Yes	5240x2250(W) x2401.5(H)	5501	CasCade	3Ph: 415V / 50Hz	448	

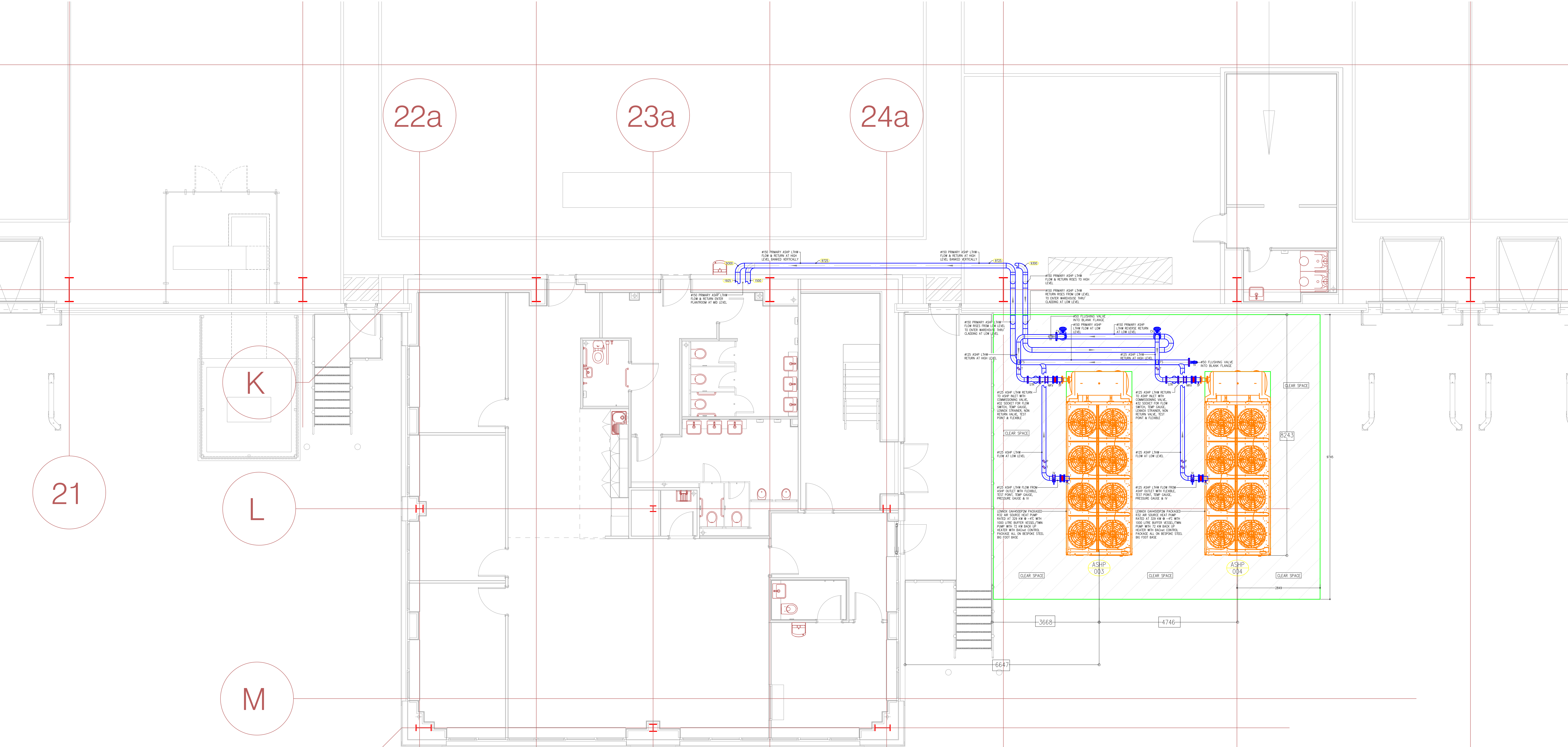


- NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL & STRUCTURAL DRAWINGS.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT BUILDING SERVICES DRAWINGS & THE RELEVANT SECTIONS OF THE SPECIFICATIONS & SCHEDULES.
 - ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
 - ALL PIPEWORK SLEEVED & FIRESTOPPED WHERE PENETRATING FIRE COMPARTMENTS
 - ALL LTHW HEATING PIPEWORK MILD STEEL WITH THREADED MALEABLE/WELDED STEEL FITTINGS.
 - ALL PIPEWORK INSULATED WITH PHENOLIC SECTION, FOIL FACED WITH ID
 - AUTOMATIC AIR VENTS FITTED AT ALL HIGH POINTS, DRAIN COCKS FITTED AT ALL LOW POINTS.
 - ALL PIPEWORK FITTED WITH INSULATED CLIPS & BLOCK TO PROVIDE VAPOUR SEAL
 - REFER TO SCHEMATIC DRAWING FOR VALVE ARRANGEMENT

- LEGEND
- PIPEWORK IN CEILING VOID
 - PIPEWORK AT HIGH LEVEL
 - PIPEWORK AT LOW LEVEL
 - F & R FLOW AND RETURN
 - ISOLATING VALVE
 - LSV LOCKSHIELD ISOLATING VALVE
 - COMMISSIONING VALVE
 - DOUBLE REGULATING VALVE
 - NON RETURN VALVE
 - PCV DOUBLE CHECK VALVE
 - STRAINER
 - THREE PORT CONTROL VALVE
 - TWO PORT CONTROL VALVE
 - BINDER TEST POINT
 - AUTO AIR VENT
 - PC FLEXIBLE CONNECTION
 - SAFETY VALVE
 - PRESSURE SENSOR
 - FLOW SWITCH
 - BMS SENSOR
 - DIFFERENTIAL PRESSURE SWITCH
 - PRESSURE GAUGE
 - TEMPERATURE GAUGE
 - WATER METER

REV	DATE	DESCRIPTION	BY
 WM BUILDING SERVICES (LEICESTER) LTD 657 Melton Road Thurnston Leicester LE16 8BB Tel: (0116) 311 2477 Fax: (0116) 360 9537 Email: office@wmbuildingservices.com Web: www.wmbuildingservices.com			
			
Project:  Plot 4000 STOWMARKET			
Client:  winvic			
Title: Distribution Office 1 Warehouse & External ASHP Services Layout			
Scale of A3: 1:50	Date: 10.01.24	Designed: L.S	Drawn: L.S
Drawing No: P23027-WMB-WH-00-DR-M-1000	Rev: -	Design Check: J.M	
AS FITTED			

AIR SOURCE HEAT PUMP														ACCESSORIES
REF	LOCATION	MAKE	MODEL	REFRIGERANT TYPE	HTG DUTY (kW)	NETT HTG DUTY (kW)	FLOW TEMP (°C)	RETURN TEMP (°C)	BACK FLOW RATE (L/S)	INTEGRAL PRIMARY PUMPS	INTEGRAL EXP. VESSEL	INTEGRAL SAFETY VALVE	SIZE (mm)	
ASHP-003	EXTERNAL TO DISTRIBUTION OFFICE 2	LENNOX	KCOMFORT GAH450CP2M	R32	325.00	274.00	45	40	16.47	Yes Twin	Yes	Yes	5240(H)X255(W) X2401 (D)	LOW NOISE RIGID ACOUSTIC COMPRESSOR HOUSING/REPERFORANT LEAK DETECTION/RECHARGE KIT/16.5 KW BACK UP ELECTRIC WATER/DRUM/HEAT PUMP COMMUNICATION TO BR/ENERGY METER/SHAW MOUNTS
ASHP-004	EXTERNAL TO DISTRIBUTION OFFICE 2	LENNOX	KCOMFORT GAH450CP2M	R32	325.00	274.00	45	40	16.47	Yes Twin	Yes	Yes	5240(H)X255(W) X2401 (D)	



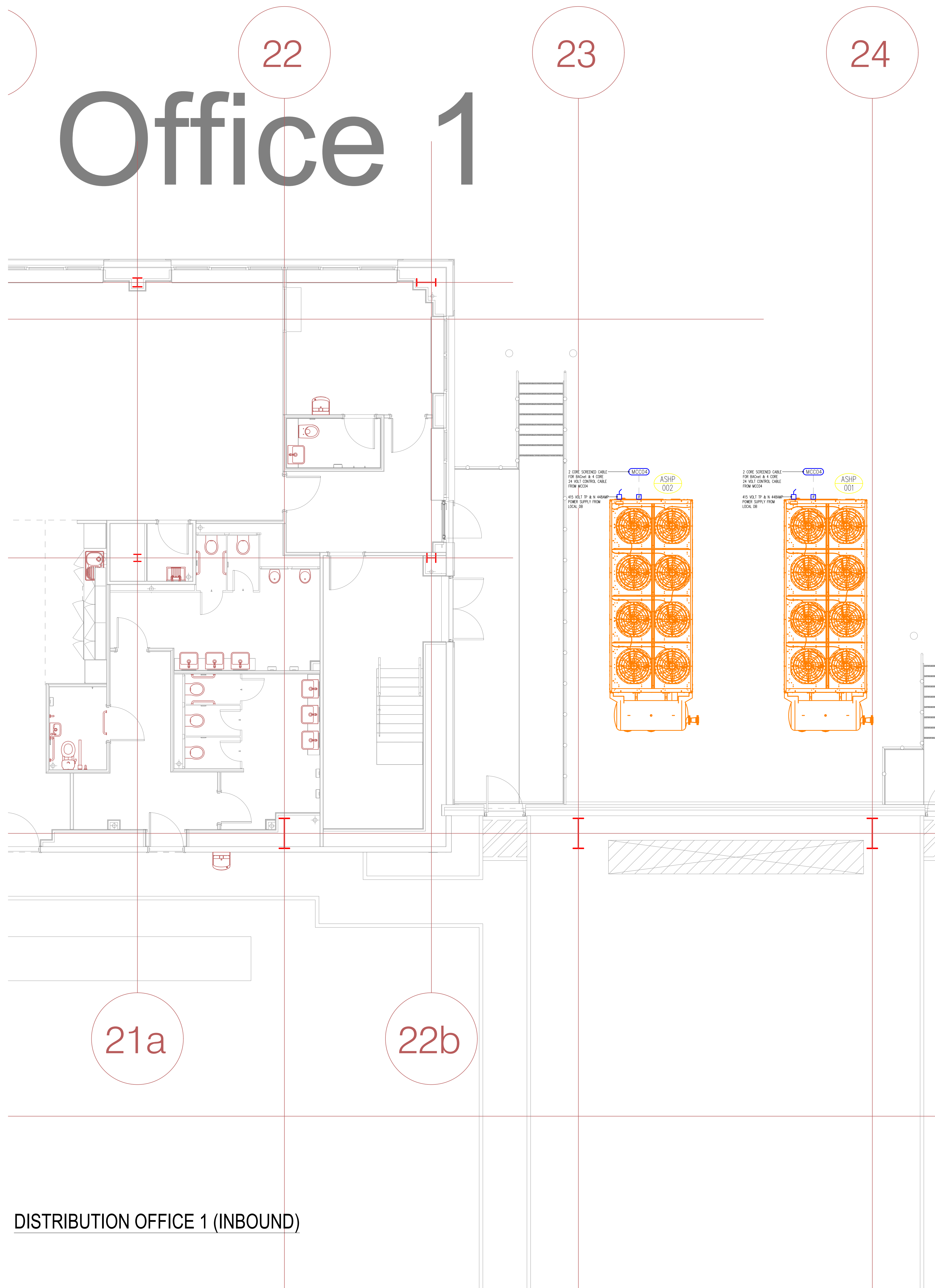
Dis. Office 2

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- LEGEND**
- PIPEWORK IN CEILING VOID
 - PIPEWORK AT HIGH LEVEL
 - PIPEWORK AT LOW LEVEL
 - F & R FLOW AND RETURN
 - ISOLATING VALVE
 - LOCKSHIELD ISOLATING VALVE
 - COMMISSIONING VALVE
 - DOUBLE REGULATING VALVE
 - NON RETURN VALVE
 - DOUBLE CHECK VALVE
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 - THREE PORT CONTROL VALVE
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 - PRESSURE SENSOR
 - FLOW SWITCH
 - BMS SENSOR
 - DIFFERENTIAL PRESSURE SWITCH
 - PRESSURE GAUGE
 - TEMPERATURE GAUGE
 - WATER METER

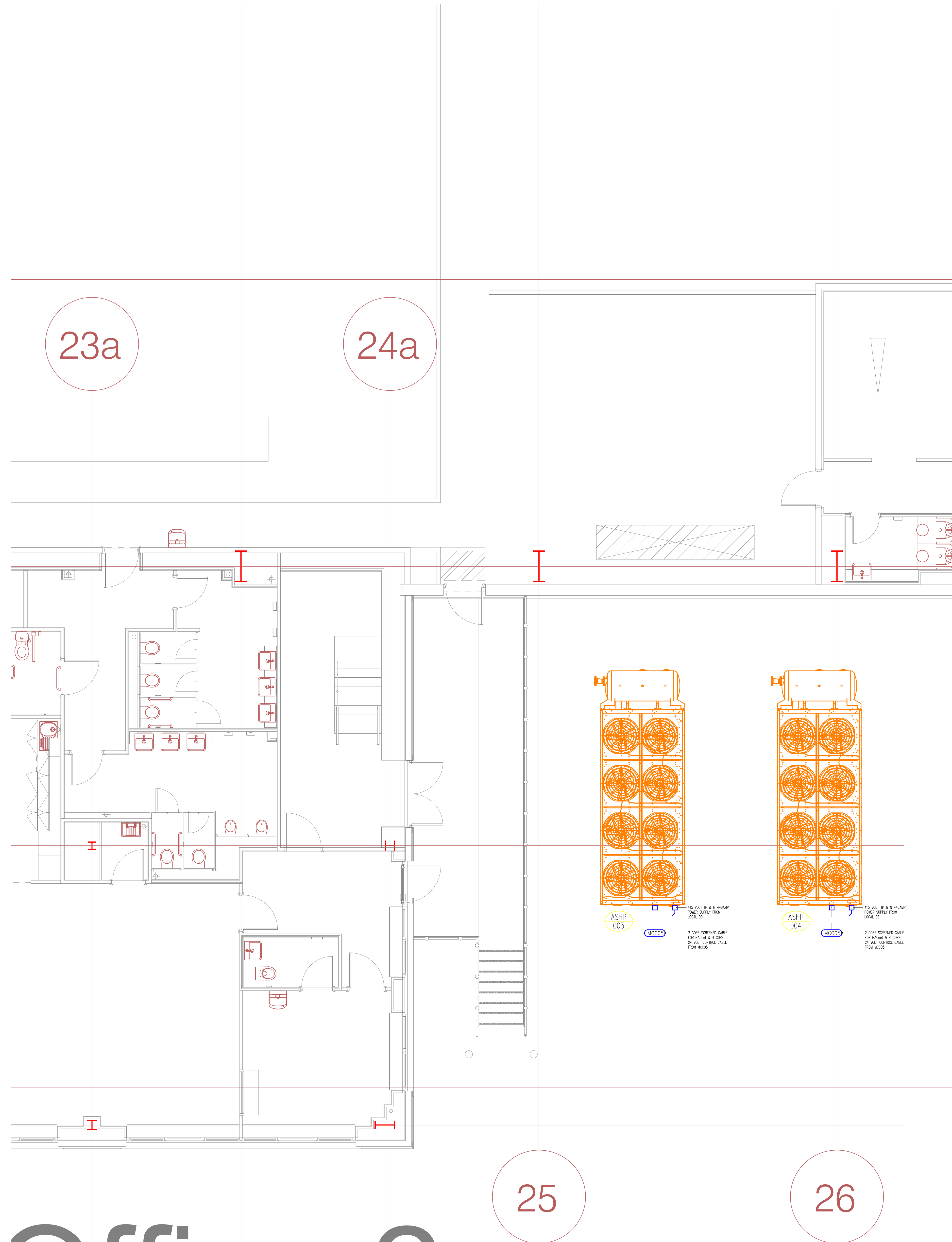
REV	DATE	DESCRIPTION	BY
 WM BUILDING SERVICES (LEICESTER) LTD 657 Melton Road Thurmaston Leicester LE4 8BB Tel: (0116) 311 2477 Fax: (0116) 360 9537 Email: office@wmbuildingservices.com Web: www.wmbuildingservices.com			
			
Project:  Plot 4000 STOWMARKET			
Client:  winvic			
Title: Distribution Office 2 Warehouse & External ASHP Services Layout			
Scale of A3: 1:50	Date: 10.01.24	Designed: L.S	Drawn: L.S Design Check: J.M
Drawing No: P23027-WMB-WH-00-DR-M-1002		Rev: -	
AS FITTED			

Office 1



DISTRIBUTION OFFICE 1 (INBOUND)

Office 2



DISTRIBUTION OFFICE 2 (OUTBOUND)

- NOTES**
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 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT BUILDING SERVICES DRAWINGS & THE RELEVANT SECTIONS OF THE SPECIFICATIONS & SCHEDULES.
 3. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
 4. ALL AUTOMATIC CONTROL CABLING AS CONTROL PANEL WIRING DIAGRAMS
 5. SCREENED 230 VOLT RATED CABLES USED FOR ALL SENSORS/METERS

REV	DATE	DESCRIPTION	BY

WM BUILDING SERVICES (LEICESTER) LTD
657 Mutton Road
Thurnston
Leicester
Tel: (0116) 311 2477
Fax: (0116) 260 9537
Email: office@wmbuildingservices.com
Web: www.wmbuildingservices.com

Project: **The Range**
Home, Leisure & Garden
PLOT 4000 STOWMARKET

Client: **winvic**

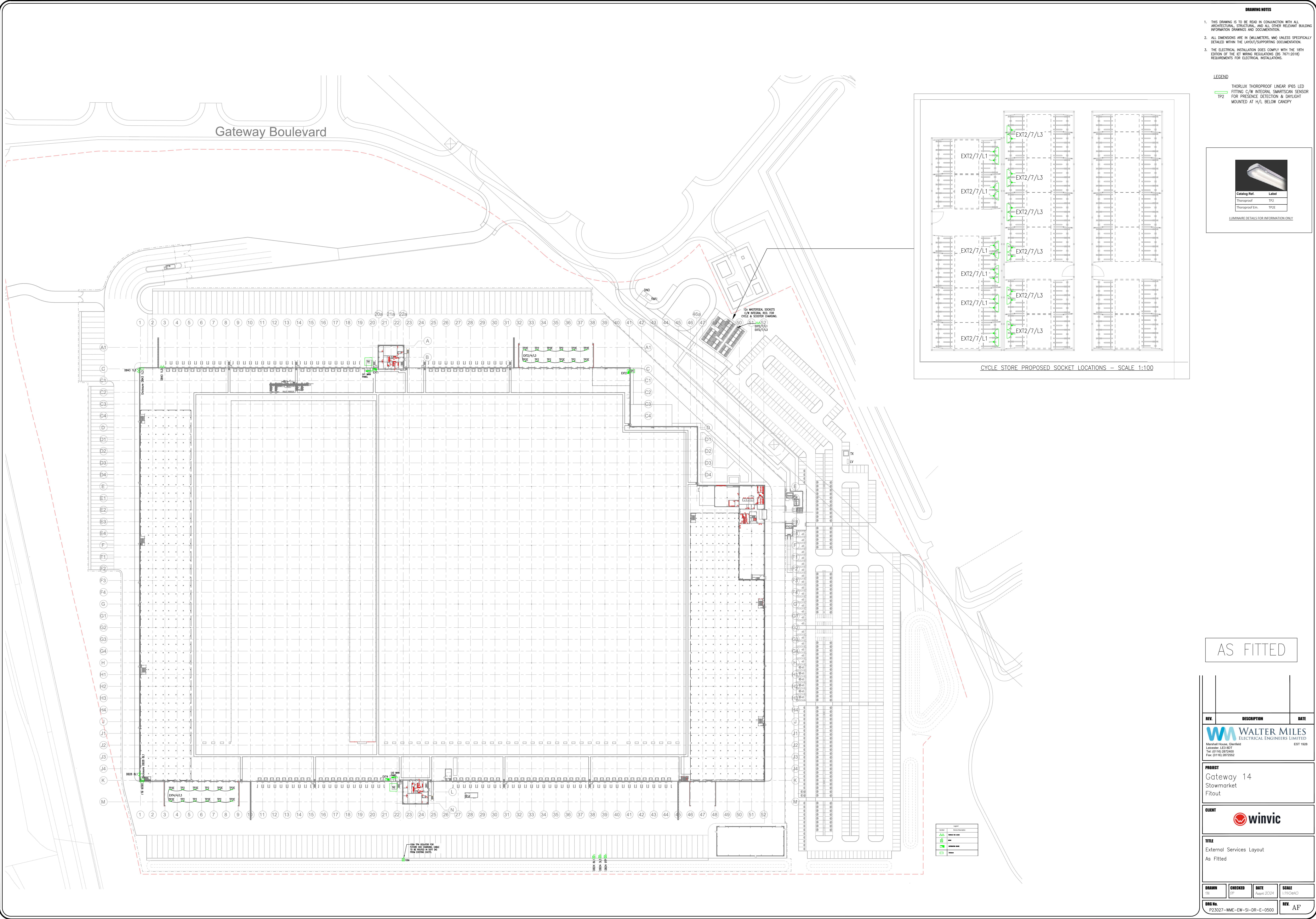
Title: **Distribution Office No. 1 & 2 External ASHP Plant Mechanical Power & Controls Wiring**

Scale at A3	Date	Designed	Drawn	Design Check
1:50	10.02.24	L.S	L.S	J.M

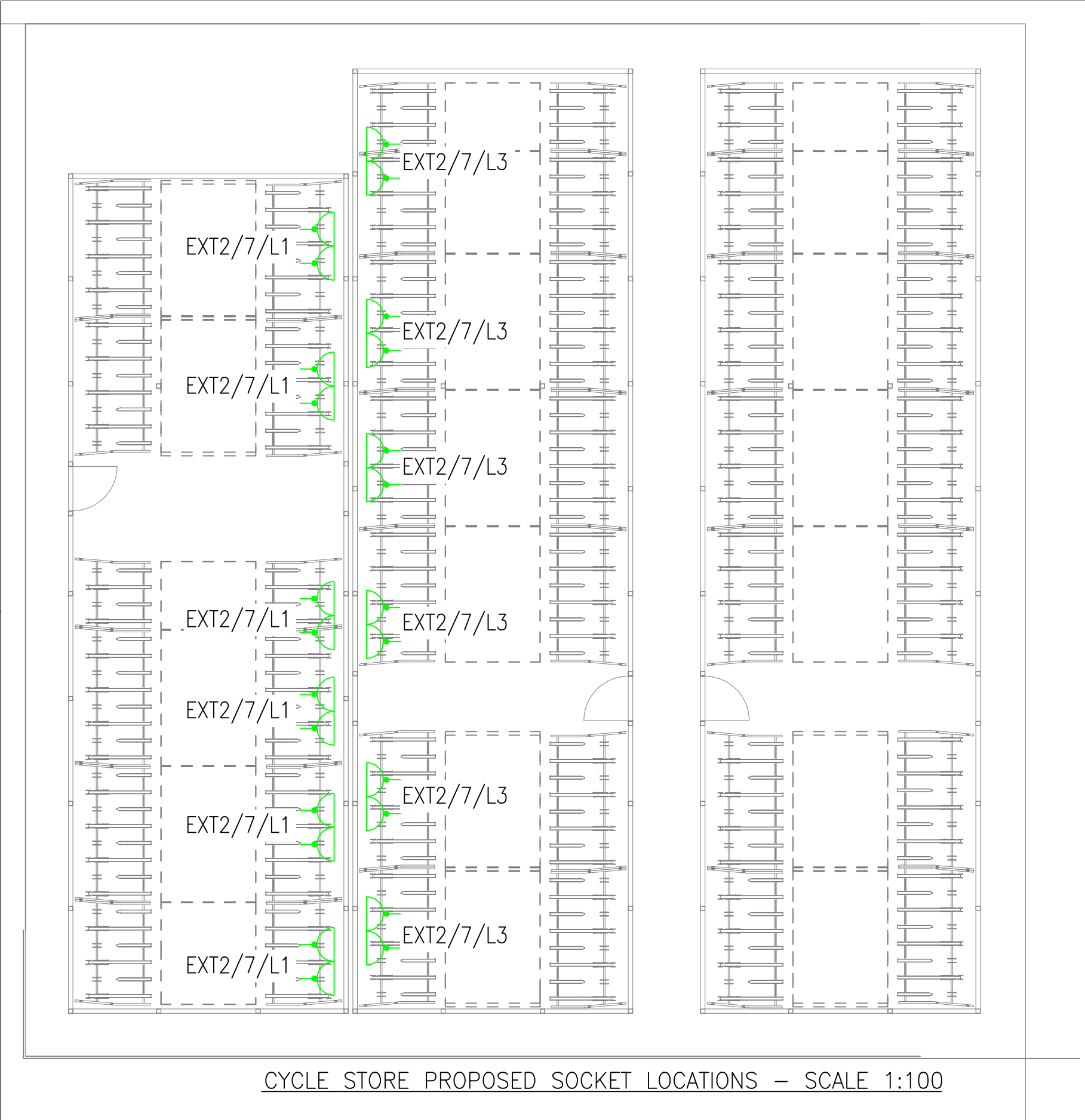
Drawing No: **P23027-WMB-ZZ-00-DR-M-0906**

Rev: **-**

AS FITTED

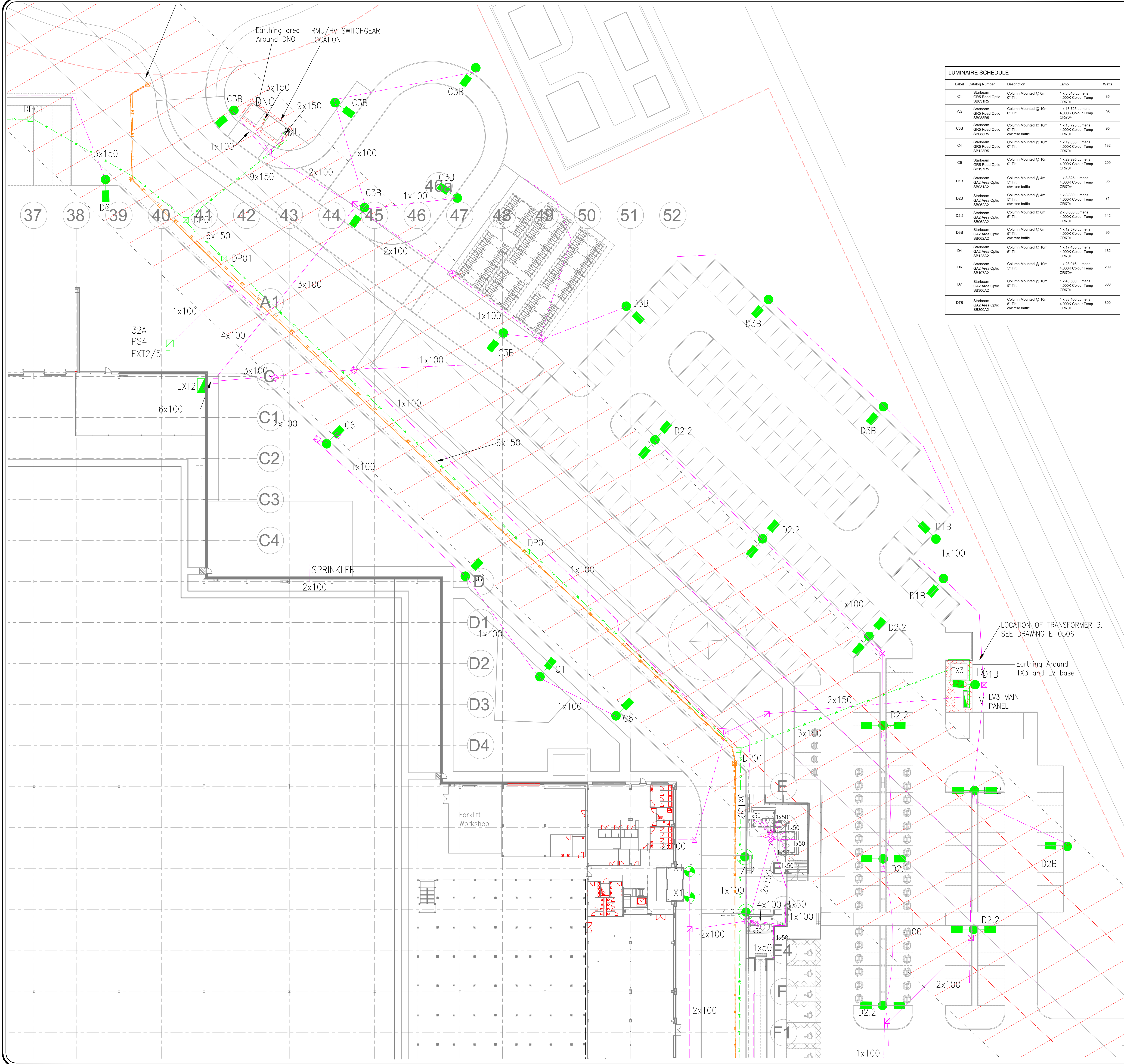


- DRAWING NOTES**
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 - ALL DIMENSIONS ARE IN (MILLIMETERS, MM) UNLESS SPECIFICALLY DETAILED WITHIN THE LAYOUT/SUPPORTING DOCUMENTATION.
 - THE ELECTRICAL INSTALLATION DOES COMPLY WITH THE 18TH EDITION OF THE IET WIRING REGULATIONS (BS 7671:2018) REQUIREMENTS FOR ELECTRICAL INSTALLATIONS.
- LEGEND**
- THORLUX THOROPROOF LINEAR IP65 LED FITTING C/W INTEGRAL SMARTSCAN SENSOR TP2 FOR PRESENCE DETECTION & DAYLIGHT MOUNTED AT H/2 BELOW CANOPY



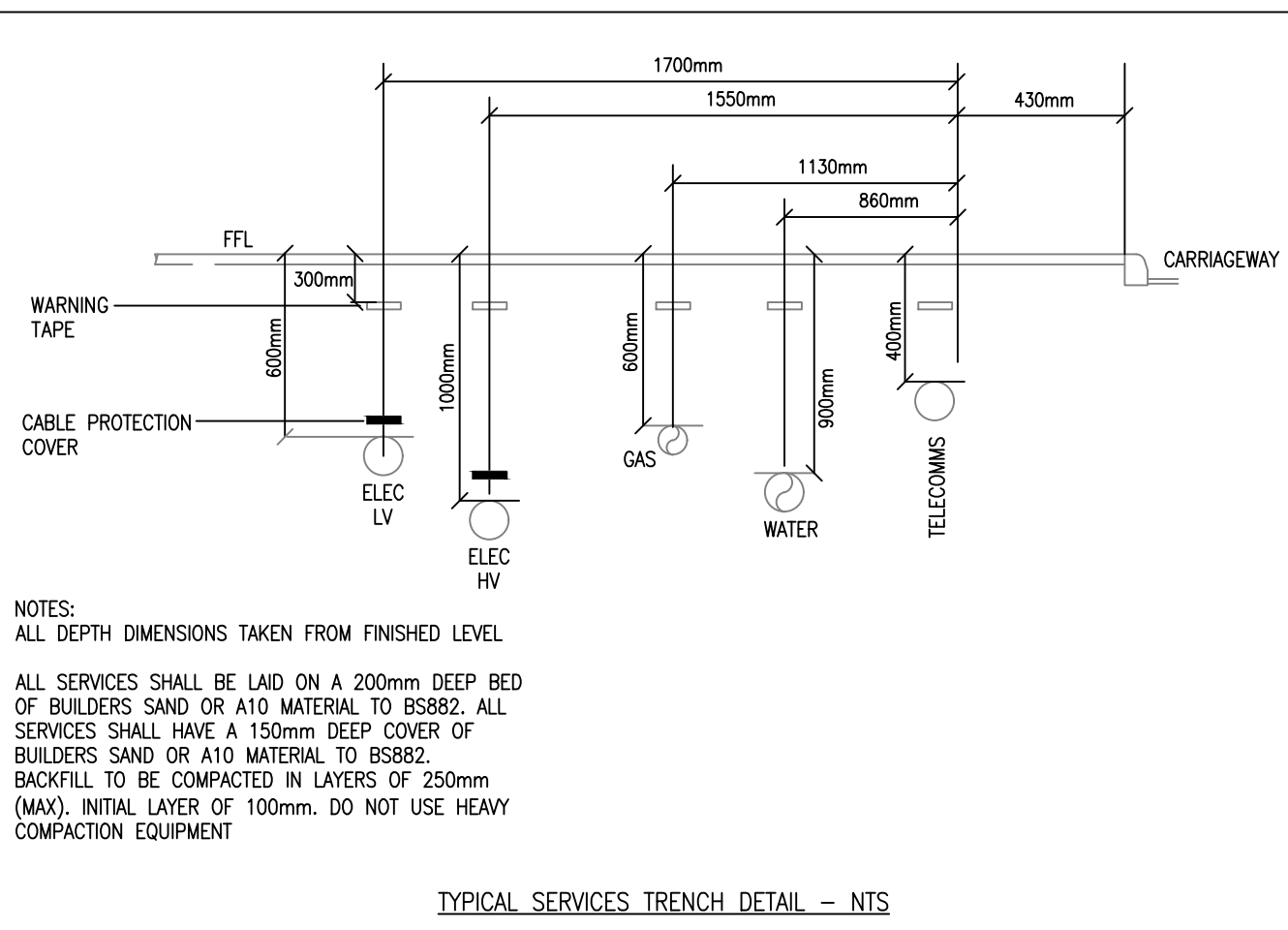
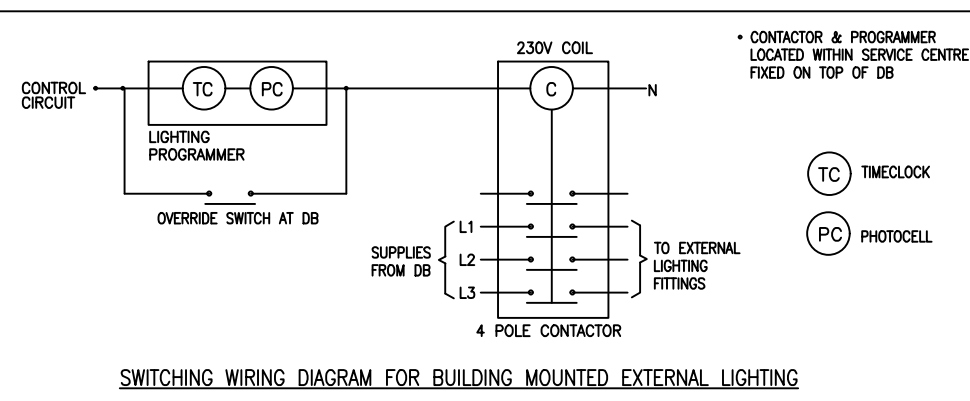
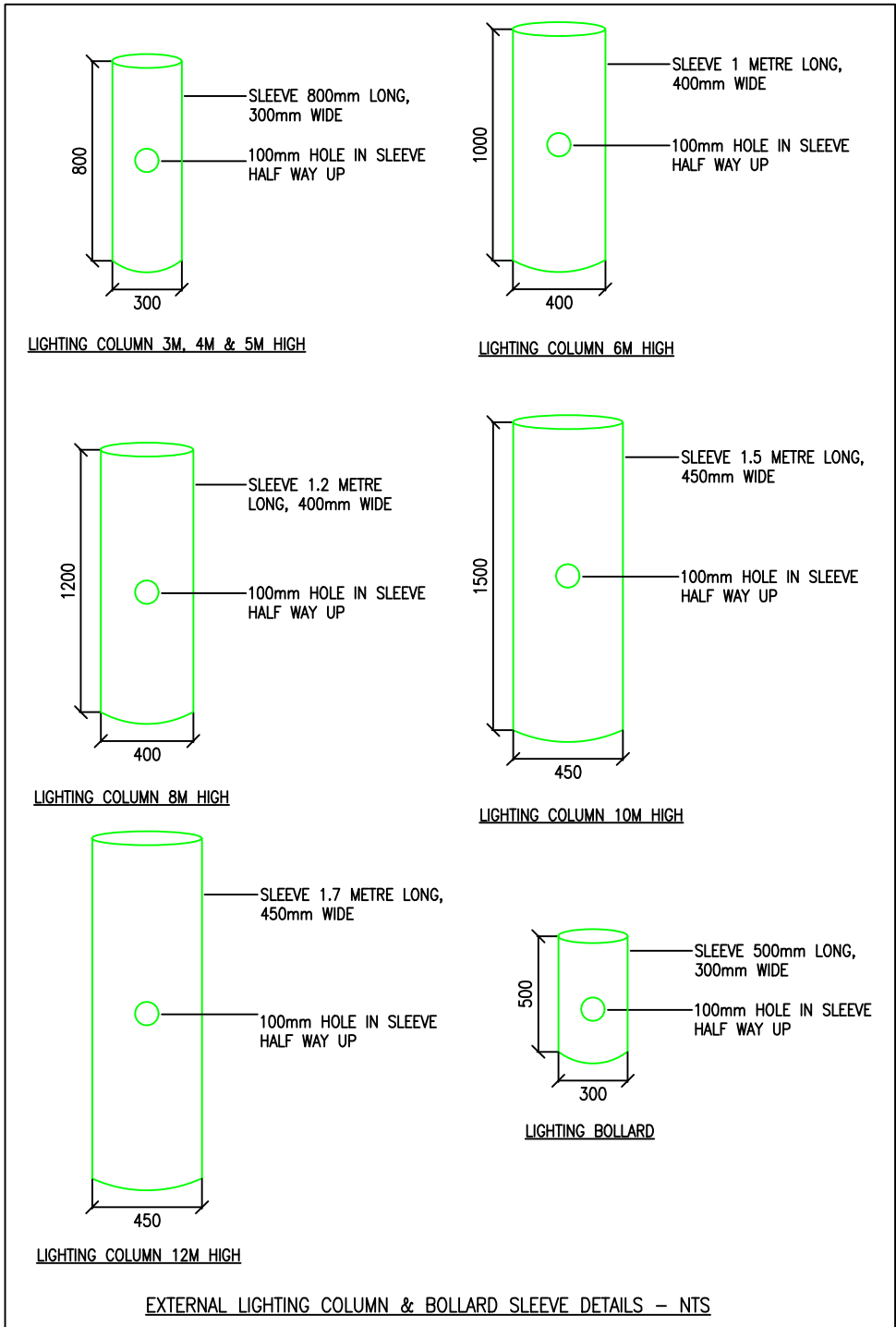
AS FITTED

REV.	DESCRIPTION	DATE
WALTER MILES ELECTRICAL ENGINEERS LIMITED Marshall House, Glenfield Leicester, LE3 8DT Tel: (0116) 2872400 Fax: (0116) 2872552		
PROJECT Gateway 14 Stowmarket Fitout		
CLIENT 		
TITLE External Services Layout As Fitted		
DRAWN TW	CHECKED CP	DATE August 2024
SCALE 1:750 @ A0	REL AP	



LUMINAIRE SCHEDULE				
Label	Catalog Number	Description	Lamp	Watts
C1	Sterbeam GRS Road Optic SB031R5	Column Mounted @ 6m 0° Tilt	1 x 3,340 Lumens 4,000K Colour Temp CR70+	35
C3	Sterbeam GRS Road Optic SB08R5	Column Mounted @ 10m 0° Tilt	1 x 13,725 Lumens 4,000K Colour Temp CR70+	95
C3B	Sterbeam GRS Road Optic SB08R5	Column Mounted @ 10m 0° Tilt c/w rear baffle	1 x 13,725 Lumens 4,000K Colour Temp CR70+	95
C4	Sterbeam GRS Road Optic SB12R5	Column Mounted @ 10m 0° Tilt	1 x 19,025 Lumens 4,000K Colour Temp CR70+	132
C6	Sterbeam GRS Road Optic SB19R5	Column Mounted @ 10m 0° Tilt	1 x 29,295 Lumens 4,000K Colour Temp CR70+	209
D1B	Sterbeam GA2 Area Optic SB031A2	Column Mounted @ 4m 0° Tilt c/w rear baffle	1 x 3,325 Lumens 4,000K Colour Temp CR70+	35
D2B	Sterbeam GA2 Area Optic SB062A2	Column Mounted @ 4m 0° Tilt c/w rear baffle	1 x 8,830 Lumens 4,000K Colour Temp CR70+	71
D2.2	Sterbeam GA2 Area Optic SB062A2	Column Mounted @ 6m 0° Tilt	2 x 8,830 Lumens 4,000K Colour Temp CR70+	142
D3B	Sterbeam GA2 Area Optic SB062A2	Column Mounted @ 6m 0° Tilt c/w rear baffle	1 x 12,570 Lumens 4,000K Colour Temp CR70+	95
D4	Sterbeam GA2 Area Optic SB123A2	Column Mounted @ 10m 0° Tilt	1 x 17,435 Lumens 4,000K Colour Temp CR70+	132
D6	Sterbeam GA2 Area Optic SB197A2	Column Mounted @ 10m 0° Tilt	1 x 28,916 Lumens 4,000K Colour Temp CR70+	209
D7	Sterbeam GA2 Area Optic SB30A2	Column Mounted @ 10m 0° Tilt	1 x 40,500 Lumens 4,000K Colour Temp CR70+	300
D7B	Sterbeam GA2 Area Optic SB30A2	Column Mounted @ 10m 0° Tilt c/w rear baffle	1 x 38,400 Lumens 4,000K Colour Temp CR70+	300

H1	June D. By-PLY (JUN18011)	Column Mounted @ 8m 0° Tilt	1 x 24,000 Lumens 4,000K Colour Temp CR80 121 LumW	197
C6.w	Sterbeam GA2 Area Optic SB197R5	Wall Mounted @ 10m 0° Tilt	1 x 29,295 Lumens 4,000K Colour Temp CR70+	209
D4.w	Sterbeam GA2 Area Optic SB123A2	Wall Mounted @ 6m 0° Tilt	1 x 17,435 Lumens 4,000K Colour Temp CR70+	132
D5.w	Sterbeam GA2 Area Optic SB197A2	Wall Mounted @ 6m 0° Tilt	1 x 21,890 Lumens 4,000K Colour Temp CR70+	171
D7.w	Sterbeam GA2 Area Optic SB30A2	Wall Mounted @ 10m 0° Tilt	1 x 40,500 Lumens 4,000K Colour Temp CR70+	300
M	Reetha Bulkhead	Wall Mounted @ 6m 0° Bracket Tilt	1 x 4,500 Lumens 4,000K Colour Temp CR80 145 LumW	32
T2	Thorproff (TP19774)	Surface Mounted	1 x 9,895 Lumens 4,000K Colour Temp CR80 145 LumW	68
T2B	Thorproff (TP19774)	Surface Mounted C/w 3hr 6m	1 x 9,895 Lumens 4,000K Colour Temp CR80 145 LumW	68
X1	Passway Bollard Area Optic PW19913+PW199 15	1m Root Mount Bollard	1 x 1,450 Lumens 4,000K Colour Temp CR80	21
ZL2	Sterbeam LV Zebra Z255402.F	Column Mounted @ 6m 0° Bracket Tilt	1 x 10,130 lumens 5,700K Colour Temp CR80	95
M1	Mercian LED MER19104L	Wall Mounted @ 2m	1 x 3,330 lumens 4,000K Colour Temp CR80	30
M1E	Mercian LED AustFast E&M TMR19104L	Wall Mounted @ 2m	1 x 3,330 lumens 4,000K Colour Temp CR80	30



NOTE:
THIS DRAWING DOES NOT INDICATE THE DUCT REQUIREMENTS FOR THE FOLLOWING: SITE INCOMING HV, INCOMING LV SUPPLY, INCOMING GAS, SITE INCOMING BT, INCOMING WATER, SITEWIDE HYDRANT, DUCTS FOR FUTURE AS MAYBE DETAILED IN THE SPECIFICATION.

BT DUCTS
THE SIZE, COLOUR, NUMBER & TYPE OF THE BT DUCTS AND ASSOCIATED DRAW PITS ALL TO BE AS PER THE BT SPECIFICATION REQUIREMENTS

- DRAWING NOTES**
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 - ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS SPECIFICALLY DETAILED WITHIN THE LAYOUT/SUPPORTING DOCUMENTATION.
 - THE ELECTRICAL INSTALLATION DOES COMPLY WITH THE 18TH EDITION OF THE WIRING REGULATIONS (BS 7671:2018) REQUIREMENTS FOR ELECTRICAL INSTALLATIONS.
 - CONCRETE CABLE MARKERS ARE INSTALLED AT EACH CHANGE OF DIRECTION AND ENTRY POINT INTO THE BUILDING. THE MARKERS SHALL BE MINIMUM 450 x 450mm AND 100mm THICK AND THE WORDS 'CABLE ROUTE' SHALL BE IMPRESSED IN THE TOP.
 - ALL DUCTS TERMINATE WITHIN WAREHOUSE, OFFICE AREAS & GATEHOUSE C/W SLOW RADIUS BENDS.
 - ALL DUCTS C/W SLOW RADIUS BENDS.

- LEGEND**
- COLUMN MOUNTED ROAD LANTERN
 - BUILDING MOUNTED ROAD LANTERN
 - COLUMN
 - WALL MOUNTED AMENITY FITTING
 - BOLLARD
 - DUCT FOR EXTERNAL LIGHTING & POWER
 - BT
 - 90 CABLE DUCT FOR INCOMING BT.

- DRAW PIT 600x600 INTERNAL OPENING
- HIGH VOLTAGE (HV) CABLE ROUTE.
- FUTURE HIGH VOLTAGE (HV) CABLE ROUTE.
- HV DRAW PIT 01 (NOT REQUIRED IF HV CABLES ARE IN TRENCH)
1200mm x 1200mm
- HV DRAW PIT 02 (NOT REQUIRED IF HV CABLES ARE IN TRENCH)
1200mm x 1200mm
- HV DRAW PIT 04 (NOT REQUIRED IF HV CABLES ARE IN TRENCH)
3000mm x 1500mm
- MCWS PIPEWORK BELOW GROUND
- HYDRANT MAIN PIPEWORK BELOW GROUND
- SPRINKLER INFILL PIPEWORK BELOW GROUND
- CONTROL DUCT BELOW GROUND
- HOT WATER SERVICE
- ISOLATING VALVE
- SINGLE CHECK VALVE
- DOUBLE CHECK VALVE
- INCOMING VALVE POINT
- WATER METER
- HYDRANT



TYPICAL DRAW PIT DETAIL - NTS

AS FITTED

REV. DESCRIPTION DATE

WALTER MILES
ELECTRICAL ENGINEERS LIMITED
EST 1928
Marshall House, Glenfield
Lancaster, LA1 4RT
Tel: (01524) 287240
Fax: (01524) 287252

PROJECT
Gateway 14
Stowmarket Fit Out

CLIENT

TITLE
External Duct Layout
Car Park Area Extract
As Fitted

DRAWN PM	CHECKED MH	DATE Aug 2024	SCALE 1:250x10
DOC No. P23027-WME-EW-SI-DR-E-0508			REV. A