

TYPE E1				
	MANUFACTURER	VENTILUX	EVOLENS	
	INSTALLATION TYPE	RECESSED	DIMENSIONS	1100mm x 78mm x 97.5mm DEEP
	CONSTRUCTION	ALUMINIUM/ABS	BALLAST TYPE	LED DRIVER
	COLOUR / RAL NO.	WHITE RAL 9016	DIMMING	NO
	REFLECTOR / LOUVRE	ABS	EMERGENCY	YES
	LAMP SOURCE	LED 6500K	LIGHT DISTRIBUTION	SYMMETRICAL
	NO. OF LAMPS	X1 3W	INGRESS PROTECTION	IP20

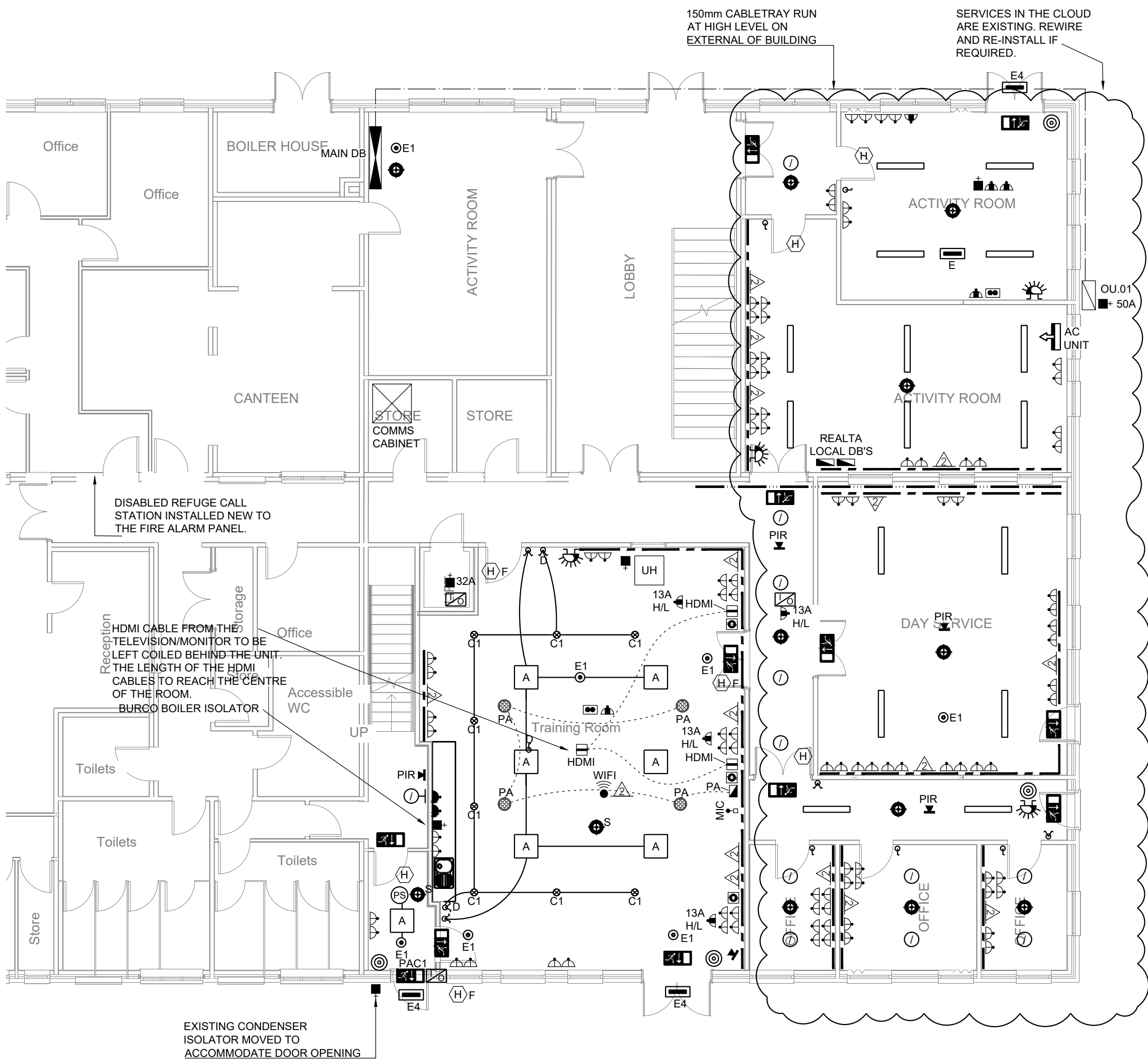
TYPE E2				
	MANUFACTURER	VENTILUX	FUSION LED	
	INSTALLATION TYPE	SURFACE	DIMENSIONS	310mm x 149mm x 45.3mm DEEP
	CONSTRUCTION	ALUMINUM/ ACRYLIC	BALLAST TYPE	LED DRIVER
	COLOUR / RAL NO.	WHITE RAL 9016	DIMMING	NO
	REFLECTOR / LOUVRE	ACRYLIC	EMERGENCY	YES
	LAMP SOURCE	LED 5000K	LIGHT DISTRIBUTION	SYMMETRICAL
	NO. OF LAMPS	14 X 0.4W	INGRESS PROTECTION	IP20

TYPE E3				
	MANUFACTURER	VENTILUX	ALPHA	
	INSTALLATION TYPE	SURFACE	DIMENSIONS	319mm x 265mm x 165mm DEEP
	CONSTRUCTION	ALUMINIUM	BALLAST TYPE	LED DRIVER
	COLOUR / RAL NO.	BLACK RAL 9017	DIMMING	NO
	REFLECTOR / LOUVRE	POLYCARBONATE	EMERGENCY	YES
	LAMP SOURCE	LAMP 4000K	LIGHT DISTRIBUTION	SYMMETRICAL
	NO. OF LAMPS	18W	INGRESS PROTECTION	IP65

TYPE E4				
	MANUFACTURER	TEGRAL	DEL 20	
	INSTALLATION TYPE	SURFACE	DIMENSIONS	87 X 300mm
	CONSTRUCTION	POLYCARBONATE	BALLAST TYPE	LED DRIVER
	COLOUR / RAL NO.	WHITE EYEID	DIMMING	NO
	REFLECTOR / LOUVRE	POLYCARBONATE	EMERGENCY	YES
	LAMP SOURCE	LAMP 3000K	BATTERIES	NICD
	NO. OF LAMPS	20 W	INGRESS PROTECTION	IP65

TYPE A				
	MANUFACTURER	TEGRAL LIGHTING	Com Lite High Efficiency Low UGR 3CCT - CHL32LG/MC	
	INSTALLATION TYPE	RECESSED	DIMENSIONS	595X595X30MM
	CONSTRUCTION	ALUMINIUM	BALLAST TYPE	LED
	COLOUR / RAL NO.	WHITE	DIMMING	NO
	REFLECTOR / LOUVRE	POLYCARBONATE	EMERGENCY	NO
	LAMP SOURCE	LED 30W	LIGHT DISTRIBUTION	SYMMETRICAL
	NO. OF LAMPS	1 LED	INGRESS PROTECT.	IP44

TYPE C1				
	MANUFACTURER	TEGRAL	COM LITE LG190MMW	
	INSTALLATION TYPE	RECESSED	DIMENSIONS	1900x97mm
			BALLAST TYPE	LED
	COLOUR / RAL NO.	RA80	DIMMING	DALI
			EMERGENCY	NO
	LAMP SOURCE	4000K LED 2CCT	LIGHT DISTRIBUTION	UGR <19
	WATTAGE	25W LED - 3045LM	INGRESS PROTECTION	IP44 IK08



Ground Floor

GENERAL SERVICES

Standard notes:

- The electrical installation works shall be in full accordance with the ETCI Regulations IS10101.
- All cabling to be LSOH Cca Singles cable in steel conduit and steel cabletray.
- All electrical accessories shall be by one manufacturer / supplier.
- All power circuits shall not have a cross sectional area less than 4.0mm².
- The electrical contractor shall liaise and co-ordinate with the main contractor and mechanical contractor prior to the installation of any services system. Claims for abortive work will not be entertained.
- Separate containment systems shall be provided for low voltage and extra low voltage services.
- Location of all electrical services to be agreed with the design team prior to installation.
- All high level fused connection units to be installed at 2200mm AFFL unless noted otherwise.
- All bench level services to be installed at 700mm AFFL unless noted otherwise.

LIGHTING SERVICES

Standard notes:

- This drawing is to be read in conjunction with the Electrical Technical Specification which mentions items not specifically mentioned on these drawings.
- All cabling for lighting circuits to be 1.5mm Cca LSOH singles in steel conduit and trunking.
- All switch locations to be co-ordinated on site with the latest architectural drawings at the time of installation.
- Each light fitting to have its own click as described in the technical specification.
- The wiring installation must be installed in accordance with the ETCI Regulations IS10101
- All light switches to be mounted at 1200mm AFFL from centre of light switch.
- The electrical contractor shall include for providing a light sample of each light fitting for the Consulting Engineers and architects approval prior to ordering.
- The Electrical Contractor shall co-ordinate fully with the Main Contractor and Mechanical prior to the installation of any cabling and containment. Claims for abortive work will not be entertained.
- Light Fittings shall be installed in strict accordance with the manufactures instructions.
- In the event that alternative light fittings are proposed, the electrical contractor shall produce and submit full lighting calculations and cost benefit analysis for the Consulting Engineer to review and approve.

PROTECTIVE SERVICES

Standard Fire Alarm notes:

- The Fire Alarm system shall be installed and tested in accordance with IS3218:2024 Code of Practice for Fire Detection and Alarms
- All cabling to be PH120 Enhanced - fire rated cables and contained on cabletray and steel conduit.
- In the event the main cabletray cannot be utilised, the cables shall be clipped using steel clips to the building fabric and structural components
- The cabling installation shall be in full compliance with the relevant chapter (cable systems) of the standard.
- Cable segregation shall be adhered to at all times.
- Where a new and independent system is installed, the fire alarm panel shall be linked to the intruder alarm panel and shall have 24hr monitoring. Contractor to provide telephone to fire alarm panel.
- All fire alarm devices shall be clearly labeled and a laminated zone and device chart provided adjacent the main fire alarm panel
- All void detectors are to be fitted with a remote led indicator fixed to underside of ceiling directly below the device in the void
- Location of all electrical services to be agreed with the design team prior to installation
- All break glass units to be installed at 1000mm AFFL unless noted otherwise
- All sounder units to be installed at 2200mm AFFL unless noted otherwise
- All high level fused connection units to be installed at 2200mm AFFL unless noted otherwise
- This drawing is to be read in conjunction with the electrical technical specification which mentions items not specifically mentioned on contract drawings.
- Final location of devices to be coordinated with the architect's reflective ceiling plan and coordinated through the main contractor on site.
- The contractor shall include for the supply and installation 15No. additional devices to cater for unforeseen obstructions as part of the building construction.
- As part of handover, the contractor shall include for two client demonstrations. The contractor shall ensure adequately trained personnel shall be on site to give the client demonstrations and will have full knowledge of the system.

Standard Emergency Lighting notes:

- All cabling for lighting and emergency lighting circuits to be 1.5mm LSOH Cca singles in steel conduit and trunking.
- All switch locations to be co-ordinated on site with the latest architectural drawings at the time of installation.
- Each luminaire to have its own click as described in the technical specification.
- The wiring installation must be installed in accordance with the ETCI regulations IS10101
- The emergency lighting installation shall be installed, tested and commissioned in accordance with IS3217:2013 + A1 2017 Code for Emergency Lighting.
- All products shall be CE marked.
- All products shall comply with the specification.
- Light Fittings shall be installed in strict accordance with the manufactures instructions.
- In the event that alternative light fittings are proposed, the electrical contractor shall produce and submit full lighting calculations and cost benefit analysis for the Consulting Engineer to review and approve.
- The contractor shall include for the supply and installation 15No. additional fittings to cater for unforeseen obstructions as part of the building construction.

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General notes:

This drawing to be read in conjunction with all relevant architectural drawings and specifications.

This drawing to be read in conjunction with all relevant structural drawings and specifications.

This drawing to be read in conjunction with all relevant mechanical and electrical drawings and specifications.

All dimensions in millimeters, do not scale from this drawing, only use figured dimensions only.

Contractor must verify all dimensions on site prior to installation of services and production of working drawings.

Legend:

SYMBOL	DESCRIPTION
	OPTICAL SMOKE DETECTOR
	MANUAL CALL POINT C/W LID
	FIRE ALARM SOUNDER C/W FLASHING BEACON
	DOOR HOLD DEVICE
	MAINTAINED EXIT
	RECESSED LED EMERGENCY SPOT
	RECESSED EMERGENCY BULKHEAD
	13A SWITCH TWIN SOCKET LOW LEVEL - 450MM AFFL
	13A SWITCHED FUSED CONNECTION UNIT
	ISOLATOR
	2 GANG CAT 6A DATA POINT
	1 GANG RG59 TV POINT
	HDMI POINT
	PA UNIT
	PA CEILING MOUNTED SPEAKERS
	MIC
	EV CHARGING POINT
	INLINE EXTRACT FAN
	FAN INFRA RED DETECTOR
	FREE SWING CLOSER
	UNIT HEATER CONTROLLER
	FIREFIGHTER ISOLATION SWITCH
	DADO TRUNKING TO BE RETAINED
	50X50 GALVANISED LV TRUNKING AT HIGH LEVEL TO BE RETAINED
	75X75 GALVANISED LV TRUNKING AT HIGH LEVEL TO BE RETAINED
	HIGH LEVEL - 2200MM AFFL
	LOW LEVEL - 450MM AFFL
	BENCH LEVEL - 1100MM AFFL
	BOILERHOUSE CONTROL PANEL
	SUB-DISTRIBUTION BOARD
	SINGLE POLE ONE WAY SWITCH
	SINGLE POLE TWO WAY SWITCH
	1200 X 600 RECESSED/SURFACE FITTING
	600 X 600 RECESSED/SURFACE FITTING
	1500MM RECESSED/SURFACE FITTING
	RECESSED DOWNLIGHT
	WALL LIGHT
	READ IN KEYPAD/FOB, FREE EGRESS COMPLIES TO EN179 AND EN13637. INCLUDE FOR AN EDS - IRONMONGERY EQUIPMENT ABLOY OR SIMILAR COMPLIANT.

C02	For Tender	13/07/2026
C01	For Tender	30/06/2026
Rev	Description	Date

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Client: Corlann Ireland
Kilcoman House, Galway

Architect: Ian Sheehy
Askeaton Limerick

Project: Proposed Extension to Offices
Gort Road

Drawing: Electrical Installation
General Services
Ground Floor

MFC Project Reference	26.3142	Scale 1:100 A1
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Drawn GJA	Checked DM	Approved JM
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Drawing Reference: Status: Rev:

26.3142-MFC-XX-00-DR-E-6200 (A4) (C02)