

LIGHTING

	LED LUMINAIRE (X DENOTES TYPE)
	LED LUMINAIRE - EMERGENCY (X DENOTES TYPE)
	DOWNLIGHT RECESSED OR SURFACE TYPE LUMINAIRE (X DENOTES TYPE)
	DOWNLIGHT RECESSED / SURFACE TYPE LUMINAIRE - EMERGENCY (X DENOTES TYPE)
	WALL MOUNTED LUMINAIRE (X DENOTES TYPE)
	WALL MOUNTED LUMINAIRE - EMERGENCY (X DENOTES TYPE)
	EMERGENCY BULKHEAD - RECESSED OR SURFACE LUMINAIRE (X DENOTES TYPE)
	EXTERNAL BULKHEAD - WALL MOUNTED EMERGENCY LUMINAIRE (X DENOTES TYPE)
	LOW BAY TYPE LUMINAIRE (X DENOTES TYPE)
	EXTERNAL POLE MOUNTED LUMINAIRE (X DENOTES TYPE)
	EXTERNAL GROUND LUMINAIRE (X DENOTES TYPE)
	EXTERNAL BOLLARD LUMINAIRE (X DENOTES TYPE)
	EMERGENCY TWIN SPOT LUMINAIRE
	EMERGENCY EXIT SIGN - EXIT AT CENTRE (X DENOTES TYPE)
	EMERGENCY EXIT SIGN - EXIT AT YOUR LEFT (X DENOTES TYPE)
	EMERGENCY EXIT SIGN - EXIT AT YOUR RIGHT (X DENOTES TYPE)
	ONE WAY SWITCH
	TWO WAY SWITCH
	INTERMEDIATE SWITCH
	DIMMER SWITCH
	PASSIVE INFRA-RED MOTION DETECTOR
	PHOTOCELL
	CENTRAL TEST UNIT FOR EMERGENCY LIGHTING
	DOOR BELL PUSH BUTTON
	DOOR BELL

POWER / DISTRIBUTION

	SINGLE 13 AMP SWITCHED SOCKET OUTLET
	TWIN 13 AMP SWITCHED SOCKET OUTLET (X DENOTES LOCATION: HIGH LEVEL HL, LOW LEVEL LL)
	DEDICATED SPUR OUTLET (X DENOTES SERVICE TYPE)
	110V INDUSTRIAL TYPE SOCKET OUTLET
	230V INDUSTRIAL TYPE SOCKET OUTLET (SINGLE PHASE, NEUTRAL & EARTH)
	400V INDUSTRIAL TYPE SOCKET OUTLET (3 PHASE, NEUTRAL & EARTH)
	LOCAL ISOLATOR SINGLE POLE
	LOCAL ISOLATOR DOUBLE POLE
	LOCAL ISOLATOR TRIPLE POLE
	EMERGENCY LOCKSTOP PUSH BUTTON

POWER / DISTRIBUTION

	INSECT-0-CUTOR - FLYING INSECT CONTROL
	HAND DRYER
	DISABLED ALARM PANEL
	FLOOR BOX
	MAIN DISTRIBUTION BOARD
	DISTRIBUTION BOARD
	CABLE LADDER
	PERFORATED CABLE TRAY
	3 COMPARTMENT DADO WALL OR SKIRTING TRUNKING AND DROP
	EARTH CONNECTION
	EARTH BAR
	EARTH PIT
	FIREMANS SWITCH

COMMUNICATIONS / P.A. SYSTEM

	DUAL RJ45 OUTLET, 1 VOICE, 1 DATA
	RJ45 DATA OUTLET
	RJ45 VOICE OUTLET
	HDMI OUTLET
	VGA OUTLET
	PROJECTOR AUDIO FACEPLATE
	USB FACEPLATE
	COMMS CABINET
	ANALOGUE OUTLET FOR TELEPHONE
	ANALOGUE OUTLET FOR DATA
	SINGLE TV (RF) OUTLET
	FLOOR BOX
	T - TELEPHONE
	D - DATA
	PATCH PANEL
	PABX
	WIRELESS ROUTER
	CO-AXIAL OUTLET
	WALL MOUNTED SPEAKER (SOUND SYSTEM)
	CEILING MOUNTED SPEAKER (SOUND SYSTEM)
	MICROPHONE
	AMPLIFIER
	PUBLIC ADDRESS SPEAKER
	DISABLED ALARM PANEL
	(WITH RESET) DISABLED ALARM SENSOR STRIP
	DISABLED ALARM RESET POINT
	PULL CORD SWITCH/ALARM

SECURITY

	DOOR CONTACT/SENSOR
	KEYPAD OPERATED CONTROL PANEL
	BREAK GLASS DOOR RELEASE
	SECURITY MOTION DETECTOR
	SECURITY CONTROL PANEL
	SECURITY ALARM SOUNDER
	INTERCOM
	VIDEO INTERCOM
	INTERCOM DISPLAY (WITH DOOR RELEASE)
	DOOR RELEASE PUSH BUTTON
	GREEN BREAK GLASS UNIT
	FIXED MOUNTED CCTV CAMERA
	DOMED CCTV CAMERA
	DOOR MONITORING CONTACT
	DOOR ACCESS CONTROL MODULE
	CELL GUARD CALL POINT
	INDICATION LED
	UNDERGROUND ELECTRIC MOTOR FOR AUTOMATIC GATES
	MAGNETIC LOCK
	DOOR ACCESS PROXIMITY READER
	MORTISED ELECTRICAL ABLOY LOCK

FIRE DETECTION

	SMOKE DETECTOR cv - IN CEILING void fv - IN FLOOR void ah - IN AIR HANDLING DUCT
	COMBINED SMOKE DETECTOR/SOUNDER
	HEAT DETECTOR F - FIXED TEMPERATURE R - RATE OF RISE
	DUCT DETECTOR
	CARBON MONOXIDE DETECTOR MAINS AND BATTERY TYPE WITH INTEGRAL SOUNDER
	SMOKE DETECTOR MAINS AND BATTERY TYPE WITH INTEGRAL SOUNDER
	HEAT DETECTOR MAINS AND BATTERY TYPE WITH INTEGRAL SOUNDER
	COMBINED SMOKE & CARBON MONOXIDE DETECTOR MAINS AND BATTERY TYPE WITH INTEGRAL SOUNDER
	BEAM SMOKE DETECTOR R - RECEIVER T - TRANSMITTER
	MANUAL CALL POINT (BREAK GLASS UNIT)
	FIRE ALARM PANEL
	FIRE ALARM REPEATER PANEL
	FLASHING BEACON
	COMBINED FIRE DETECTOR, SOUNDER & FLASHING BEACON
	REMOTE LAMP INDICATOR UNIT
	REMOTE DETECTOR INDICATOR
	FIRE ALARM BELL CEILING MOUNTED
	FIRE ALARM BELL WALL MOUNTED
	FIRE ALARM EXTERNAL SOUNDER
	INPUT/OUTPUT MODULE
	DISABLED REFUGE ALARM PANEL
	DISABLED REFUGE ALARM CALLPOINT
	FIRE DOOR HOLDER
	KEYSWITCH

SINGLE LINE DIAGRAM

	TRANSFORMER
	INDICATION LAMP
	THREE PHASE & NEUTRAL CABLE
	THREE PHASE, NEUTRAL & EARTH CABLE
	CIRCUIT BREAKER. (MCCB) RATING TO BE SHOWN.
	MINIATURE CIRCUIT BREAKER. (MCB)
	CIRCUIT BREAKER
	MULTI FUNCTION METER WITH PULSED OUTPUT WITHDRAWABLE SWITCHGEAR
	SWITCH FUSE
	FUSED SWITCH
	3 PHASE FUSE SWITCH
	3 PHASE FUSE
	ISOLATOR/MAIN SWITCH
	FREQUENCY CONVERTER. (VSD)
	CONTACTOR
	DIRECT ON LINE STARTER
	STAR/DELTA STARTER
	JUNCTION
	MCC TERMINAL
	CURRENT TRANSFORMER
	SURGE PROTECTION EQUIPMENT
	POWER FACTOR CORRECTION
	SINGLE PHASE MOTOR. (RATING TO BE INDICATED)
	THREE PHASE MOTOR. (RATING TO BE INDICATED)
	AMMETER
	AMMETER SELECTOR SWITCH
	VOLTMETER
	VOLTMETER SELECTOR SWITCH

MECHANICAL SYMBOLS

	MOTOR CONTROL CENTRE
	CENTRIFUGAL FAN - SUPPLY/EXTRACT/RETURN
	AXIAL FAN - SUPPLY/EXTRACT/RETURN
	FAN COIL UNIT
	SUPPLY AHU
	CEILING CASSETTE UNIT (PLAN)
	CONTROL PANEL
	PANEL/LOCAL CONTROLLED INSTRUMENT
	B.M.S. CONTROLLED INSTRUMENT
	PRESSURE DIFFERENTIAL SWITCH
	PRESSURE DIFFERENTIAL INDICATOR
	TEMPERATURE SENSOR
	PRESSURE SENSOR
	PRESSURE STAT
	FROST STAT
	THERMOSTAT
	AIR FLOW SWITCH
	WATER FLOW SWITCH
	LEVEL SWITCH

MECHANICAL ABBREVIATIONS

	ABBREVIATION	DENOTES SCHEDULED ITEM OF EQUIPMENT
	P	PUMP
	EF	EXTRACT FAN
	AHU	AIR HANDLING UNIT
	B	BOILER
	PU	PRESSURISATION UNIT
	WH	WATER HEATER
	FCU	FAN COIL UNIT
	OU	OUTDOOR DX SPLIT UNIT
	IU	INDOOR DX SPLIT UNIT
	HU	HUMIDIFIER
	P 01	PUMP No.1

REVISIONS			
DATE	REV	BY	DETAILS
			XXXXXX

PRELIMINARY

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PROJECT
**CRECHE BUILDING EXTENSION
 ACDAL
 ALLENWOOD, CO KILDARE**

DRAWING TITLE
**ELECTRICAL SERVICES
 ELECTRICAL SYMBOLS SHEET**

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