















UGHOUT THE /ISUAL ALARM	Do Not Scale
E REQUIRED 'S REQUIRED	FIRE ALARM LEGEND MANUAL CALL POINT.
LEVELS AS	S SMOKE DETECTOR - CV DENOTES CEILING VOID.
HICH STATES	H HEAT DETECTOR.
CTIVE CLEAR	SS SMOKE DETECTOR c/w SOUNDER BASE.
ERFACES FOR NECESSARY	SMOKE DETECTOR c/w SOUNDER BEACON BASE.
ATION IN THE	HX HEAT DETECTOR c/w SOUNDER BEACON BASE.
THE ESCAPE	CM CARBON MONOXIDE DETECTOR.
	FAP FIRE ALARM PANEL.
	FAI FIRE ALARM INTERFACE.
ALARM IS IN	FIRE ALARM SOUNDER c/w INTEGRAL LED BEACON.
ISSIONING ON HE RELEVANT	FIRE ALARM SOUNDER – 'WP' DENOTES WEATHERPROOF.
FIRE ALARM	IAP INTRUDER ALARM PANEL.
PRODUCE ON	INTRUDER ALARM WALL MOUNTED PIR MOTION DETECTOR.
DENTIFY THE	(KR) INTRUDER ALARM REMOTE KEYPAD.
TEMS TO BE	DC INTRUDER ALARM DOOR CONTACT.
LOOR LEVEL. ITCHES. FIRE	INTRUDER ALARM EXTERNAL SOUNDER – * DENOTES
	$\mathcal{A}$ FRONT DOOR BELL SOUNDER.
	PB FRONT DOOR PUSH BELL.
	✓↑ DISABLED WC ALARM PULL CORD.
	RU DISABLED WC ALARM RESET UNIT.
Enclosure	OLG DISABLED WC ALARM OVERDOOR LAMP/SOUNDER.
	PTO ACCESS CONTROL PUSH TO OPEN.
	PTE ACCESS CONTROL PUSH TO EXIT BUTTON.
11	CCTV FULL COLOUR (POE) CCTV CAMERA. * DENOTES EXTERNAL GRADE VANDAL RESISTANT
Plant <sup>3 m<sup>2</sup></sup>	PSU CCTV POWER SUPPLY UNIT.
	NVR NETWORK VIDEO RECORDER.
	IVM CCTV 19" TV MONITOR.
10 Store 3 m <sup>2</sup>	
Footpath	
	T1 17.01.22 MK PE TENDER ISSUE
	P1 17.12.21 MK PF RIBA STAGE 3.
	REV. DATE DRN CHKD DESCRIPTION   JCP CONSULTING ENGINEERS Ltd. JCP CONSULTING ENGINEERS Ltd.
	1-2 BRENKLEY WAY, BLEZARD BUSINESS PARK, SEATON BURN
	NEWCASTLE UPON TYNE, NE13 6DS TEL: 0191 2170888 FAX: 0191 2170130
	CONSULTING E-Mail: Info@jcpce.com ENGINEERS Website: www.jcpce.com
	Client
	ARCHITECTURE & ENERGY
	Project
	CHINLEY COMMUNITY CENTRE
	Title ELECTRICAL ENGINEERING SERVICES
	FIRE ALARM & SECURITY LAYOUT
	Scale: Sheet: Date: Drawn by: MK
	I:30     AI     DEC. 2021     Checked by:     PF       Project No.:     Drg. No.:     Revision:
	3001 (65)_001 T1
	TENDER







	<u>LEGEND</u>					
	LV		V	300mm LV BAS	SKET	
	ELV	ELV	ELVI	300mm BA SUB-DIVIDERS SECURITY/CONT BASKET.	NSKET C/W 150mm DATA ROLS & 50	WITH 100mm 0mm FA
				SUB-DISTRIBUTI	ON BOARD.	
		X		RISE/DROPS.		
	[	FAP		FIRE ALARM PAI	NEL.	
		DC		DATA CABINET.		
	[	IAP		INTRUDER ALARI	M PANEL.	
	<u>NOTES</u>					
	1. DRA REL	AWING S _EVANT N	SHALL E 1&E DOO	BE READ IN C CUMENTATION.	CONJUNCTION	WITH ALL
	2. ALL MEC WIT OTH ANY	ELECTR CHANICAL H THE HER SER Y STRUC	RICAL SE SERVIO INSTALL VICES T TURAL E	RVICES SHALL CES AND INCLUI ATION OF THE AKING COGNIZA BEAMS ABOVE TI	BE CO-ORDINA DE FOR CO-O CEILING FINIS NCE OF THE E HE CEILING.	ATED WITH RDINATING HES AND DEPTH OF
e hoops	3. THE COM INC CAE SHA COM COM SITE	E CONTR MPLETE LUDE T BLE TRUI ALL BE NTAINMEN NTRACTOI E INSTAL	CACTOR CABLE THE CA NKING A NT SH R CAN LATION.	SHALL PROVIDE CONTAINMENT BLE SUPPORT ND CONDUITS. ED THROUGH IOWN IS M EXTEND SYSTEM ALL SIZES MINI	E, TEST AND I SYSTEM WHI SYSTEMS, I THE MAIN CON THE CEILIN INIMUM REQI MS TO ENABLE IMUM.	NSTALL A CH WILL NCLUDING ITAINMENT IG VOID. JIREMENT. SIMPLER
	4. ANY THE OF COM	Y ADDITIO E Contr. M&E SE NTAINMEN CHANICAL	ONAL CO ACTOR <sup>-</sup> ERVICES NT F( _ CONTR	ONTAINMENT DEE FO ROUTE CABL SHALL BE PRO OR ELECTRIC OLS SHALL BE	EMED AS NECES ES TO FINAL L OVIDED. ALL SE CAL SERVICE PROVIDED.	SSARY BY OCATIONS ECONDARY S AND
ASHP Enclosure	5. THE COM MEC THE NOT	E CONTR NTAINMEN CHANICAL ERE WILL T SHOWN	RACTOR NT WITH - PIPE N - BE A N ON TH	SHALL ALLOW H ALL OTHER WORK AT HIGH REQUIREMENT IIS DRAWING.	TO CO-ORDIN SERVICES I LEVEL AND ST FOR BENDS A	NATE THE NCLUDING RUCTURE. AND SETS
11 Plant 3 m <sup>2</sup>	6. PRI ALL PRC INS IND INC ALL	Mary C Low For DVIDE TALLATIO ICATED LUDED V LUDED V	CONTAINN SECON A FUL N. SE ON T WITHIN T S ARE F	IENT SHOWN NDARY CONTAIN LY CONTAINED CONDARY CON HE DRAWING 'HE CONTRACTO ULLY SUPPORTE	ONLY, CONTRA MENT AS REQ D ELECTRICAL NDUITS/TRUNKII HOWEVER SH RS TENDER RE ED IN THEIR EN	CTOR TO UIRED TO WIRING NG NOT HALL BE ETURN SO NTIRETY.
	7. Size For No1 Of	ES SHOW FULL ( T BE LIA A FIRE.	'N ON T CONTAINN ABLE TO	'HIS DRAWING AF IENT OF CABLIN PREMATURE C	RE MINIMUM REC IG. CONTAINMEN COLLAPSE IN TH	QUIREMENT NT SHALL HE EVENT
10 Store 3 m <sup>2</sup>	8. PEN INTI REC	NETRATIO UMESCEN QUIRED.	N OF ITLY S	FIRE WALLS/C SEALED TO	COMPARTMENTS CORRECT RA	TO BE TING AS
Footpath	T1 17.0 P1 17.1	1.22 Mk 2.21 Mk	< PF < PF	TENDER ISSUE RIBA STAGE 3	E. 3.	
	REV. DA	TE DRI	N CHKD	DE JCP CONSULTIN 1-2 BRENKLEY V BLEZARD BUSIN SEATON BURN, NEWCASTLE UF TEL: 0191 21708 E-Mail: info@jcpc Website: www.jcp	SCRIPTION NG ENGINEERS Ltd. NAY, NESS PARK, PON TYNE, NE13 6DS 188 FAX: 01 2e.com poce.com	91 2170130
	Client					
	Architect D3 ARC	ASSO CHITEC	CIATE CTURE	S & ENERG	γ	
	Project CHI	NLEY	СОМ	MUNITY CEI	NTRE	
	ELE CON		AL EI MENT	NGINEERING LAYOUT	G SERVICE	S
	Scale: 1:50 Project No.: 300	)   Si )   D ) 1	neet: A1 Irg. No.: (69)_	Date: DEC. 2021	Drawn by: M	< Revision: T1

Status:

TENDER

Do Not Scale



		<u>EXTERNA</u>	VAL LIGHTING LEGEND:				
	DISTRIBUTION BOARD	A B TC	THORLUX S PHOTOCELL THORLUX P, LUMINAIRE F TIME CLOCK	TARBEAM CO AND 5 MET ASSWAY ROU PW19913L. <	LUMN MOUNTED RE COLUMN SB ITE INSTALLED	) LUMINAIRE ( 088A2PL — F 1100MM BOLL	C/W MINI <sup>-</sup> C5. .ARD
ONTACTOR COIL			3 PHASE D 150mm BLA	ISTRIBUTION	BOARD. TS C/W WARNIN	IG TAPE.	
		AC	ACCESS CH	RPLE ELV DU AMBER	JCTS C/W WARI	NING TAPE.	
		ECP	ELECTRIC CH	HARGING POI	NT.		
ONTROL SCHEMATIC							
		NOTES ALL ELECT TESTED REGULATION GOOD PRA	'RICAL SERVIO TO BS7671 NS AND ALL CTICE GUIDEL	CES INSTALL :2018 201 AMENDMEN .INES.	ATIONS SHALL 18, 18TH EI TS, CIBSE COE	COMPLY TO DITION IET DES, BS AND	and be Wiring Other
	_	THIS DRAV DRAWINGS	VING SHALL AND DOCUME	BE READ W ENTS.	VITH REFERENC	E TO ALL R	ELEVANT
		ALL DUCTS DURING AI DEBRIS OI DUCTS TO – ALL HAV	S SHALL BE ND AFTER II R RODENTS. BE PROVIDE /E SLOW BEN	SEALED A NSTALLATION DRAW ROF D UNDER H NDS.	ND FILLED WIT TO PREVENT PES TO BE IN HARD STANDING	TH EXPANDING INGRESS OF ISTALLED IN AND INTO E	G FOAM WATER DUCTS. BUILDING
		MINIMUM CONTRACTO INSTALLATIO WITH WEAT FIXINGS SU	NUMBER C DR SHALL AU DN REQUIREM HER TIGHT I JITABLE FOR	OF ACCESS JGMENT AS IENTS. ACCE NSPECTION ROADS.	/INSPECTION NECESSARY ON SS CHAMBERS COVERS FITTED	Chambers N Site to Si Shall be P With Tampe	Shown. Uit the Rovided Rproof
		CONTRACTO SUIT THE CHANGE I BUILDINGS.	DR SHALL P INSTALLATION N DIRECTION	ROVIDE ACC N. ACCESS NS AND AT	CESS CHAMBER CHAMBERS TO INCOMING/OL	s as requii Be providi Jtgoing poii	RED TO ED FOR NTS TO
		EXACT SER Application Site Bo Ownership Bounds ONLY CAR	RVICES AND F	ROUTES TO E	BE DETERMINED ד DANCE WITH	ON SITE	_ JOINT
		UTILITIES G	ROUP GUIDE	LINES (NJUG			
		CLEARLY I SHALL BE	MARKED WITH PURPLE	H THE LEG	END "ELECTRIC	CABLE DUC	_Y AND ;T". ELV
		150MM DU	CTS ARE REC	QUIRED FOR	LV & 100MM	FOR ELV CAB	LES.
		ONLY TILE ASSOCIATIC ACCEPTABL DUCTING A EDGES.	E TAPE IN DN'S TECHN .E. THE TILE .ND MUST BI	ACCORDANC IICAL SPE TAPE MUST E CLEANLY	CE WITH THE CIFICATION EN BE INSTALLED CUT, SQUARE A	ENERGY NE IA-TS 12- IOOMM ABC AND WITH NO	TWORKS 23 IS VE THE SHARP
		THE CONT SERVICES EXISTING L	RACTOR SHA AS SOON JNDERGROUNI	ALL ALLOW AS THEY A D SERVICES	TO CAT SCAN ARE ON SITE AFFECTED BY T	THE UNDER TO ESTABLIS THE WORKS.	GROUND SH ANY
		DUCTING M	IUST BE INST -VOLTAGE AN	TALLED AT TH D ELV CABL	HE CORRECT DE	EPTH, AS FOL VOLTS) THE	.LOWS; 100mm
		DUCT MUS OF 450mm MINIMUM ROADWAYS.	T BE LAID S n BELOW TH OF 600mm	60 THAT THE E FINAL SU D BELOW	E TOP OF THE RFACE LEVEL ( THE FINAL S	DUCT IS A I )F PATHWAYS URFACE LEV	MINIMUM AND A /EL OF
		THE MAIN ASSOCIATEI	CONTRACTO D WITH LAYIN	)R SHALL IG THE NEW	CARRY OUT A EXTERNAL DUC	UL THE TRE	ENCHING
		THE CONT EXTERNAL NEW INFRA	TRACTOR SH LIGHTING CO STRUCTURE,	ALL MAKE DUMNS TO EXACT LOCA	ALLOWANCE T THE EAST OF TIONS TO FOLL	O RECONNEC THE SITE IN OW ON.	XT 3NO TO THE
		T2 T	2 24.01.22 1 17.01.22	MK PF MK PF	CIRCUIT REFERE TENDER ISSUE.	ENCES ADDED	
		P <sup>.</sup> RE	1 17.12.21 V. DATE I	MK PF DRN CHKD	RIBA STAGE 3. DES		
					JCP CONSULTING 1-2 BRENKLEY WA	ENGINEERS Ltd.	
	$\leq$		JL		BLEZARD BUSINES SEATON BURN, NEWCASTLE UPOI TEL: 0191 2170888	SS PARK, N TYNE, NE13 6DS FAX: 01	91 2170130
			CONSUL ENGINE	TING ERS	E-Mail: info@jcpce.c Website: www.jcpce	xom e.com	912170130
		Cli	ient				
Garage		Ar	chitect D3 ASS ARCHITE	SOCIATES ECTURE	& ENERGY	,	
		Pr	oject CHINLE`	Y COMM	UNITY CEN	TRE	
		Tit	tle ELECTR EXTERN	ICAL ENG IAL SERV	GINEERING /ICES LAYC	SERVICES	S
	1	Sc	cale: 1:50	Sheet: D A1	Date: DEC. 2021	Drawn by: MK Checked by: PF	-
		Pro	oject No.: 3001	Drg. No.: (96)_C	)01		Revision: T2
		Sta	atus:	T	ENDER		

Do Not Scale





	L3	20	
	L1	20	
4	L2	50	
	L3	20	Acti 9 iC60H type B 30mA, Fixed power, 1 x 2 core x 4mm, PVC multi R E, HD
	L1	20	
5	L2	20	Acti 9 iC60H type B 30mA, Fixed power, 1 x 2 core x 4mm, PVC multi R E, HOIST
	L3	20	
	L1	32	
6	L2	20	Acti 9 iC60H type B 30mA, Fixed power, 1 x 2 core x 4mm, PVC multi R E, IL
	L3	20	Acti 9 iC60H type B 30mA, Fixed power, 1 x 2 core x 4mm, PVC multi R E, RL
	L1	20	Acti 9 iC60H type B 30mA, Fixed power, 1 x 2 core x 4mm, PVC multi R E, AERIAL
7	L2	20	
DD	L3	20	Acti 9 iC60H type B 30mA, Fixed power, 1 x 2 core x 4mm, PVC multi R E, PUMP
4/D	L1	20	Acti 9 iC60H type B 30mA, Fixed power, 1 x 2 core x 4mm, PVC multi R E, PUMP
8	L2	32	
	L3	32	
	L1	50	
9	L2	16	C60H B 10kA single, Fixed power, 1 x 2 core x 2.5mm, FP200, FAP
	L3	20	
	L1	20	
10	L2	20	
	L3	20	C60H B 10kA single, Fixed power, 1 x 2 core x 2.5mm, FP200, IAP
	L1	20	
11	L2	20	
	L3	20	
	L1	32	Content of the provided o
12	L2	32	
	L3	32	
	L1	20	
13	L2	20	
	L3	20	
	L1	20	
14	L2	20	
	L3	20	
	L1	20	
15	L2	20	
	L3	20	Acti 9 iC60H type B 30mA, Fixed power, 1 x 2 core x 4mm, PVC multi R E, FC
	L1	40	
16	L2	50	
	L3	50	
	L1	32	

	Do Not Scale
LEGEN	<u>1D</u>
TV	SS TRANSIENT VOLT SURGE SUPPRESSION.
	SPLIT METERED LIGHTING/POWER METERS.
) ס	UTILITY PROVIDERS METER.
NOTE:	S ELECTRICAL RELAT.
1.	ALL ELECTRICAL SERVICES INSTALLATIONS SHALL COMPLY TO BS7671:2018 18TH EDITION IEE WIRING REGULATIONS AND ALL AMENDMENTS, BS7430, CIBSE CODES, BS AND OTHER GOOD PRACTICE GUIDELINES.
2.	THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT M&E DOCUMENTATION.
3.	ALL ELECTRICAL SERVICES INSTALLATIONS SHALL COMPLY TO BS7671:2018 18TH EDITION IET WIRING REGULATIONS AND ALL AMENDMENTS, CIBSE CODES, RELEVANT BRITISH STANDARDS AND OTHER GOOD PRACTICE GUIDELINES. THIS DRAWING SHALL BE READ WITH REFERENCE TO ALL RELEVANT DRAWINGS AND DOCUMENTS. ALL ELECTRICAL SERVICES SHALL BE CO-ORDINATED WITH MECHANICAL SERVICES, FF&E AND BUILDING STRUCTURE.
4.	PV SUPPLY TO BE CONFIRMED BY SPECIALIST.



T1	24.01.22	MK	PF	TENDE	R ISSUE.			
REV.	DATE	DRN	СНКД		DES	CRIPTION		
	CONSUL	LTING	P	JCP ( 1-2 B BLEZ SEAT NEW TEL: E-Ma Webs	CONSULTING RENKLEY WA ARD BUSINE ON BURN, CASTLE UPO 0191 2170888 il: info@jcpce. site: www.jcpce	ENGINEERS I IY, SS PARK, N TYNE, NE13 5 FA com 9.com	-td. 6DS X: 019	1 2170130
Clier	nt							
Arch	itect D3 AS ARCHIT	SOC	URE	S & E	NERGY	/		
Proje	ect CHINLE	[Y (	COMN	IUNIT	Y CEN	TRE		
Title	ELECTF PROPC	RICA SEE	L EN ) LV	NGINE SCH	ERING EMATIC	SERVI S	CES	5
Scale	e:	She	et:	Date:		Drawn by:	MK	
	NTS		A1	JAN.	2022	Checked by:	PF	
Proje	ct No.: 3001	Drg (	.№.: 61)_	001				Revision: T1
Statu	IS:		T	EN	DER			