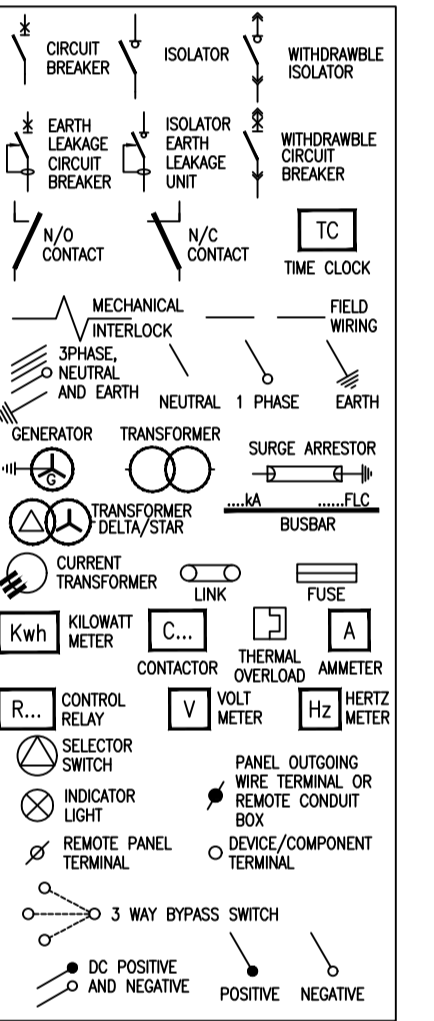


This drawing is issued for Electrical purposes only, and should be read in conjunction with the Electrical Specification. Setting out of Electrical and Electronic accessories are to be as indicated on Architects details.

Do not scale this drawing.

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<u>PROJECT/SERVICES</u> Makhaza Police Station Electrical Installation	
<u>TITLE</u> Reticulation Schematic for 2No. 12kW Inverters with 15No.10kWh Batteries	

L_MST_1

NOTES: (1) – Contractor to ensure max distance between draw boxes 20 metres notwithstanding anything to contrary.		(2) – Draw boxes required after every second 90 degree bend or 180 degree total size bends.		(3) – All unwired conduits to be provided with draw wires. These will be withdrawn and checked at random.		(4) – Cast in conduits to be spaced 35mm. minimum.	
<p> S 100/100 CONDUIT BOX. S 100/100 CONDUIT BOX AT 500A/F. S 100/100 CONDUIT BOX AT 1400A/F. P 100/100 BOX BEHIND POWER SKINT. T CONDUIT TURNED UP ("D" FOR DOWN) D DOWN CONDUIT TO EARTH OR EARTH IE. L 100/50 CONDUIT BOX AT 300A/F. L 100/50 CONDUIT BOX AT 1400A/F. C CLUSTER BOX (SIZE AS NOTED). </p>	<p> X distance DRAW BOX X 100/100 DRAW REC. P 100/100 BOX BEHIND POWER SKINT. T CONDUIT TURNED UP ("D" FOR DOWN) D DOWN CONDUIT TO EARTH OR EARTH IE. </p>	<p> M DRAW CONDUIT BOX FOR: DM – DOOR MONITOR CM – CAMERA AM – ACCESS ALARM AC – ACCESS CONTROL CR – CARD READER CM – COMMUNICATION/INTERCOM BM – BACK GROUND SURVEILLANCE EL – ELECTRIC LOCK/STRIKE </p>	<p> 20mm. DIA. CONDUIT. 25mm. DIA. CONDUIT. 32mm. DIA. CONDUIT. 50mm. DIA. CONDUIT. SECTION OF CONDUIT JUNCTION BOX REQUIRED. 3 SURFLEX THW AND EARTH ELECTRIC ROUTE </p>	<p> oc OVERHEAD CAST-IN oc OVERHEAD ON SURFACE OR LAID ON CEILING. oc FLOOR SLAB CAST-IN oc FLOOR SURFACE (IN FLOOR VOID). oc POWER SKIRTING oc TRUNKING oc CABLE TRAY oc CABLE TRAY/JACKET </p>	<p> D 16A 150S 164-1 SWITCHED SOCKET OUTLET (SSO). D 16A 150S 164-1 3/4 S/S SOCKET OUTLET. D 16A 150S 164-1 1/2 S/S SOCKET OUTLET. D 16A 150S 164-1 1/4 S/S SOCKET OUTLET. D 16A 150S 164-1 1/8 S/S SOCKET OUTLET. D 16A 150S 164-1 1/16 S/S SOCKET OUTLET. D 16A 150S 164-1 1/32 S/S SOCKET OUTLET. D 16A 150S 164-1 1/64 S/S SOCKET OUTLET. D 16A 150S 164-1 1/128 S/S SOCKET OUTLET. D 16A 150S 164-1 1/256 S/S SOCKET OUTLET. D 16A 150S 164-1 1/512 S/S SOCKET OUTLET. D 16A 150S 164-1 1/1024 S/S SOCKET OUTLET. D 16A 150S 164-1 1/2048 S/S SOCKET OUTLET. D 16A 150S 164-1 1/4096 S/S SOCKET OUTLET. D 16A 150S 164-1 1/8192 S/S SOCKET OUTLET. D 16A 150S 164-1 1/16384 S/S SOCKET OUTLET. D 16A 150S 164-1 1/32768 S/S SOCKET OUTLET. D 16A 150S 164-1 1/65536 S/S SOCKET OUTLET. D 16A 150S 164-1 1/131072 S/S SOCKET OUTLET. D 16A 150S 164-1 1/262144 S/S SOCKET OUTLET. D 16A 150S 164-1 1/524288 S/S SOCKET OUTLET. D 16A 150S 164-1 1/1048576 S/S SOCKET OUTLET. D 16A 150S 164-1 1/2097152 S/S SOCKET OUTLET. D 16A 150S 164-1 1/4194304 S/S SOCKET OUTLET. D 16A 150S 164-1 1/8388608 S/S SOCKET OUTLET. D 16A 150S 164-1 1/16777216 S/S SOCKET OUTLET. D 16A 150S 164-1 1/33554432 S/S SOCKET OUTLET. D 16A 150S 164-1 1/67108864 S/S SOCKET OUTLET. D 16A 150S 164-1 1/134217728 S/S SOCKET OUTLET. D 16A 150S 164-1 1/268435456 S/S SOCKET OUTLET. D 16A 150S 164-1 1/536870912 S/S SOCKET OUTLET. D 16A 150S 164-1 1/1073741824 S/S SOCKET OUTLET. D 16A 150S 164-1 1/2147483648 S/S SOCKET OUTLET. D 16A 150S 164-1 1/4294967296 S/S SOCKET OUTLET. D 16A 150S 164-1 1/8589934592 S/S SOCKET OUTLET. D 16A 150S 164-1 1/17179869184 S/S SOCKET OUTLET. D 16A 150S 164-1 1/34359738368 S/S SOCKET OUTLET. D 16A 150S 164-1 1/68719476736 S/S SOCKET OUTLET. D 16A 150S 164-1 1/137438953472 S/S SOCKET OUTLET. D 16A 150S 164-1 1/274877906944 S/S SOCKET OUTLET. D 16A 150S 164-1 1/549755813888 S/S SOCKET OUTLET. D 16A 150S 164-1 1/1099511627776 S/S SOCKET OUTLET. D 16A 150S 164-1 1/2199023255552 S/S SOCKET OUTLET. D 16A 150S 164-1 1/4398046511104 S/S SOCKET OUTLET. D 16A 150S 164-1 1/8796093022208 S/S SOCKET OUTLET. D 16A 150S 164-1 1/17592186044416 S/S SOCKET OUTLET. D 16A 150S 164-1 1/35184372088832 S/S SOCKET OUTLET. D 16A 150S 164-1 1/70368744177664 S/S SOCKET OUTLET. D 16A 150S 164-1 1/140737488355328 S/S SOCKET OUTLET. D 16A 150S 164-1 1/281474976710656 S/S SOCKET OUTLET. D 16A 150S 164-1 1/562949953421312 S/S SOCKET OUTLET. D 16A 150S 164-1 1/1125899906842624 S/S SOCKET OUTLET. D 16A 150S 164-1 1/2251799813685248 S/S SOCKET OUTLET. D 16A 150S 164-1 1/4503599627370496 S/S SOCKET OUTLET. D 16A 150S 164-1 1/9007199254740992 S/S SOCKET OUTLET. D 16A 150S 164-1 1/18014398509481984 S/S SOCKET OUTLET. D 16A 150S 164-1 1/36028797018963968 S/S SOCKET OUTLET. D 16A 150S 164-1 1/72057594037927936 S/S SOCKET OUTLET. D 16A 150S 164-1 1/144115188075855872 S/S SOCKET OUTLET. D 16A 150S 164-1 1/288230376151711744 S/S SOCKET OUTLET. D 16A 150S 164-1 1/576460752303423488 S/S SOCKET OUTLET. D 16A 150S 164-1 1/1152921504606846976 S/S SOCKET OUTLET. D 16A 150S 164-1 1/2305843009213693952 S/S SOCKET OUTLET. D 16A 150S 164-1 1/4611686018427387904 S/S SOCKET OUTLET. D 16A 150S 164-1 1/9223372036854775808 S/S SOCKET OUTLET. D 16A 150S 164-1 1/18446744073709551616 S/S SOCKET OUTLET. D 16A 150S 164-1 1/36893488147419103232 S/S SOCKET OUTLET. D 16A 150S 164-1 1/73786976294838206464 S/S SOCKET OUTLET. D 16A 150S 164-1 1/147573952589676412928 S/S SOCKET OUTLET. D 16A 150S 164-1 1/295147905179352825856 S/S SOCKET OUTLET. D 16A 150S 164-1 1/590295810358705651712 S/S SOCKET OUTLET. D 16A 150S 164-1 1/1180591620717411303424 S/S SOCKET OUTLET. D 16A 150S 164-1 1/2361183241434822606848 S/S SOCKET OUTLET</p>		