REGIONE LAZIO
PROVINCIA DI VITERBO
COMUNE DI TESSENNANO - COMUNE DI ARLENA DI CASTRO

PROGETTO PER LA REALIZZAZIONE DI UN IMPIANTO EOLICO NEI COMUNI DI ARLENA DI CASTRO E TESSENNANO

Denominazione impianto:

EOLICO ARLENA

Committenza:

Energy Wind 1 s.r.l.
Via della Stazione,36
01033 - Civita Castellana (VT)

WIND ENERGY 1 S.r.l.
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Progettazione:

TEIMEC Tecnologie e Impianti

Progettazione impianti
progettazione e sviluppo
energie da fonti rinnovabili

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Documento:	Denominazione elaborato:
TAV. E13	IMPIANTI AUSILIARI STAZIONE DI ELEVAZIONE UTENTE 30/150 kV

Revisione:

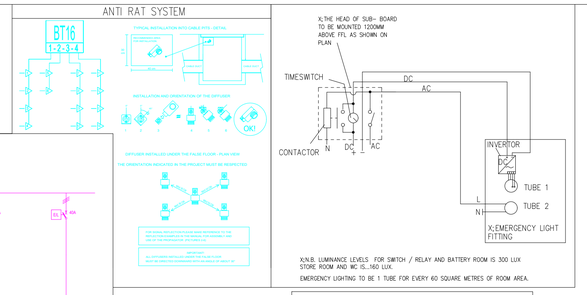
REV.	DATA	DESCRIZIONE	REDATTO	APPROVATO
00	29/06/2021	Prima emissione		

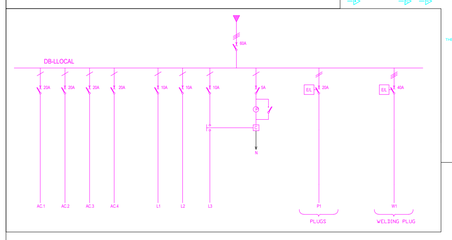
EMERGENCY LIGHTING

FITTING NO. 2-1, 2-2 AND 5-2 ARE THE EMERGENCY FITTING :
ONE TUBE IN THE FITTING IS TO HAVE AN ADDITIONAL CONDUIT RUN FROM THE DC SIDE OF THE DISTRIBUTION BOARD WHICH WILL INCLUDE 1 POSITIVE, 1 SWITCHED POSITIVE & ONE NEGATIVE WIRE. CONTRACTOR TO SUPPLY & INSTALL A 110 V DC TO 220 V AC INVERTOR IN THE FITTING AND CONTACTOR RATED AT 10A IN THE SUB BOARD.

AFFECTED FITTINGS END CAPS TO BE PAINTED RED TO DIFFERENTIATE BETWEEN FITTINGS.
CONTRACTOR TO SUPPLY AND FIT SWITCH AND TIMER ON WALL AS SHOWN. WIRING TO BE CONNECTED TO AC/DC BOARD.

INVERTERS TO AFFECTED LIGHT FITTINGS : INVERTER TO BE FIXED INTO FITTING AND REPLACE THE NORMAL BALLAST. INVERTER TO BE 110V. DC INPUT AND 1 X 60W OUTPUT.

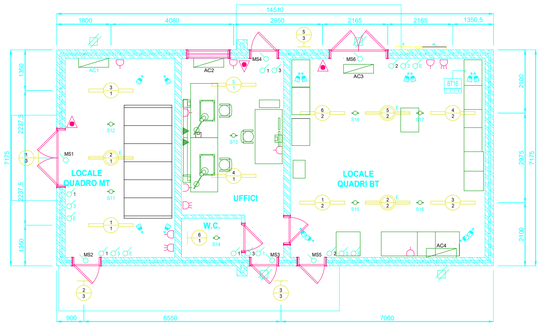




X:N.B. LUMINANCE LEVELS FOR SWITCH / RELAY AND BATTERY ROOM IS 300 LUX
STORE ROOM AND WC IS..160 LUX.
EMERGENCY LIGHTING TO BE 1 TUBE FOR EVERY 60 SQUARE METRES OF ROOM AREA.

LEGEND

	X:2 X 58W FLUORESCENT FITTING HANG FROM ROOF BEAMS WITH CALV CHAINS (CENTRAL TYPE) OR FIXED TO CEILING (ALL OTHER TYPES).
	1 X 58W FLUORESCENT FITTING FIXED TO WALL @ 2600MM ABOVE F.F.L
	X:2 X 58W FLUORESCENT FITTING. (SEE EMERGENCY LIGHTING NOTES ABOVE).
	WALL MOUNTED LIGHT FITTING MOUNTED 2600MM ABOVE F.F.L.
	16A TOGGLE LIGHT SWITCH.
E	SABS APPROVED 1 HR. MECHANICAL TIMER MOUNTED ON SUB BOARD AND CONNECTED TO AC/DC BOARD.
	X:TELEPHONE OUTLET WITH 25MM CONDUIT TO CABLE TRAY OVER.
	X:20A THREE POLE ISOLATOR MOUNTED 3000MM ABOVE F.F.L. FOR AIRCON UNIT.
	16A SSO INSTALLED 300 ABOVE F.F.L
	32A 3 PHASE WELDING SOCKET ISTALLED 1000 ABOVE F.F.L
	FIRE EXTINGUISHER
	MS1 MS2 MS3 MS4 MS5 MS6 MICRO SWITCH
	EMITERS WALL INSTALLATION
BT16	BT16 CENTRAL ANTI RAT SYSTEM
	SY1 SY2 SY3N SY4 SY5 SMOKE DETECTION OPTICAL SENSOR
	ETHERNET PLUG RJ45
	SMEN ANTINTRUSION
	BEACON FIRE ALARM
	KEYSWITCH ANTINTRUSION



ELECTRICAL SPECIFICATION

GENERALLY. ALL ELECTRICAL WORK TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE LATEST REVISIONS OF S.A.N.S. 10142- 1993 CODE OF PRACTICE FOR THE WIRING OF PREMISES.

X:AC/ DC BOARD SUPPLIED AND INSTALLED BY CONTRACTOR. ELECTRICAL CONTRACTOR TO SUPPLY AND HANG ALL LIGHT FITTINGS. ALL WIRING TO THESE FITTINGS TO BE RUN SURFACE AND TERMINATE IN SUB BOARD AS SHOWN ON PLAN. CONTRACTOR TO WIRE CONDUIT AND TERMINATE WIRING AT SURFACE MOUNTED JUNCTION BOX ABOVE AC/ DC BOARD. TOP OF BOARD IS 2200MM ABOVE FFL. WIRING TO BE TAGGED TO SHOW DESTINATION.

WIRING. TO BE P.V.C. SHEATHED IN WHITE SEAMLESS PLASTIC CONDUIT (WITH S.A.N.S. MARK). ALL CONDUIT TO BE RUN SURFACE IN STRAIGHT LINES.

M.C.B'S. TO BE 5KA RATING.
EARTH LEAKAGE UNIT. TO BE HY-MAG. OR EQUAL APPROVED
SOCKET OUTLETS. 3 NO. 15A THREE PIN ROUND SURFACE MOUNTED
} X:SUPPLIED BY ESKOM IN AC /DC BOARD

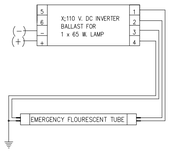
SWITCHES. SANS APPROVED SURFACE MOUNTED TOGGLE TYPE MOUNTED IN SUB BOARD.

LIGHTING. N.B ALL FITTINGS TO HAVE SABS MARK.

FITTING No.	DESCRIPTION OF FITTING	No.REQ
1-1 to 1-5 & 2-1 to 2-6	TWO TUBE 58W FLUORESCENT FITTING	11
1-6	X:60W INCANDESCENT FITTING WITH SPHERICAL BOWL.	1
1-3 to 5-3	100W INCANDESCENT CORROSION PROOF WEATHERPROOF FITTING	5

AIRCONS:

FITTING No.	DESCRIPTION OF FITTING	No.REQ
AC1	18000 BTU	1
AC2-AC3-AC4	9000 BTU	3



X:DIAGRAM SHOWING HOW THE DC INVERTER IS CONNECTED TO THE AFFECTED TUBE. (WITHIN THE FITTING).