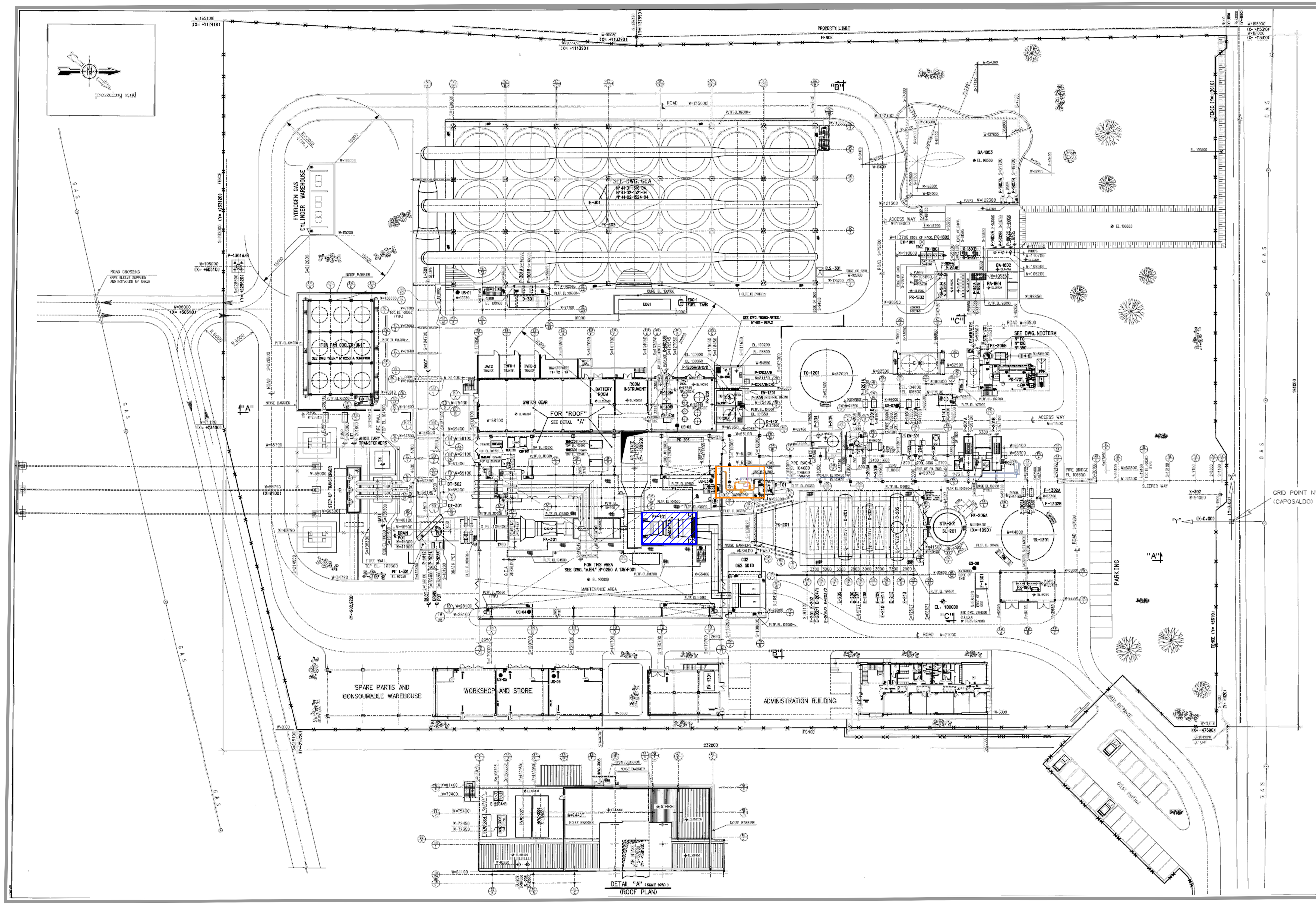


EQUIPMENT LIST

ITEM	DESCRIPTION	ELEVATION
BA-1801	POTENTIALLY OILY WATER COLLECTION BASINS	EL. 95500
BA-1802	RAIN WATER COLLECTION BASIN	EL. 93350
BA-1803	EMERGENCY COLLECTION BASIN	EL. 98500
BA-1804	SANITARY WATER COLLECTION BASIN	EL. 95350
BA-1805	SALINE BLOW DOWN BASIN	EL. 97000
BA-1806	NON SALINE BLOW DOWN BASIN	EL. 97000
CS-301	CLEANING SYSTEM	BASE EL. 100200
D-101	NATURAL GAS FILTER COALESCER	T.L. EL. 103450
D-201	HP STEAM DRUM	℄ EL. 128700
D-202	IP STEAM DRUM	℄ EL. 128050
D-203	LP STEAM DRUM	℄ EL. 129000
D-204	CONTINUOUS BLOW DOWN DRUM	T.L. EL. 103000
D-205	INTERMITTENT BLOW DOWN DRUM	T.L. EL. 97150
D-301	HOT WELL (PK-303)	℄ EL. 13350
D-1101	MACHINERY COOLING WATER EXPANSION DRUM	T.L. EL. 107750
D-1401	AIR RECEIVER	T.L. EL. 102200
DR-1401	AIR DRAYER (PK-1401)	BASE EL. 100200
DT-301	IP DUMP TUBE	——
DT-302	LP DUMP TUBE	——
E-201	HP SUPERHEATER 2nd SECTION (PK-201)	——
E-202	REHEATER 3rd SECTION (PK-201)	——
E-203/1/2	HP SUPERHEATER 1st SECTION (PK-201)	——
E-204/1	REHEATER 2nd SECTION (PK-201)	——
E-204/2	REHEATER 1st SECTION (PK-201)	——
E-205	HP EVAPORATOR (PK-201)	——
E-206	IP SUPERHEATER (PK-201)	——
E-207	HP ECONOMIZER 2nd SECTION (PK-201)	——
E-208	IP EVAPORATOR (PK-201)	——
E-209	LP SUPERHEATER (PK-201)	——
E-210	HP ECONOMIZER 1st SECTION (PK-201)	——
E-211	IP ECONOMIZER (PK-201)	——
E-212	LP EVAPORATOR (PK-201)	
E-213	L.P. ECONOMIZER (PK-201)	
E-217	BLOWDOWN COOLER	BASE EL. 100350
E-220 A/B	VDF COOLER	SUPPORT EL. 106500
E-301	AIR COOLED CONDENSER (PK-303)	
E-1101	MACHINERY COOLING WATER EXCHANGER	BASE EL. 100200
EDG1	EMERGENCY DIESEL GENERATOR	BASE EL. 100100
EW-201	EYE WASH & SHOWER	EL. 100000
EW-1201	EYE WASH & SHOWER (PK-1201)	——
EW-1801	EYE WASH & SHOWER	EL. 100000
F-1301	SAND FILTER	BASE EL. 100100
F-1302 A/B	WATER RETURN FILTERS	BASE EL. 100100
GCB1	GENERATOR CIRCUIT BREAKER	PLTF. EL.110000
HVAC-3001	HEATING, VENTILATION AND AIR CONDITIONING	BASE EL. 106550
HVAC-3002	HEATING, VENTILATION AND AIR CONDITIONING	BASE EL. 106550
HVAC-3004	HEATING, VENTILATION AND AIR CONDITIONING	BASE EL. 106550
HVAC-3005	HEATING, VENTILATION AND AIR CONDITIONING	
HVAC-3006	HEATING, VENTILATION AND AIR CONDITIONING	BASE EL. 106550
K-1401 A/B	AIR COMPRESSOR (PK-1401)	BASE EL.100200
L-301	EXHAUST STEAM DUCT (PK-303)	℄ W.P.EL. 105500(LOW POINT)

EQUIPMENT LIST

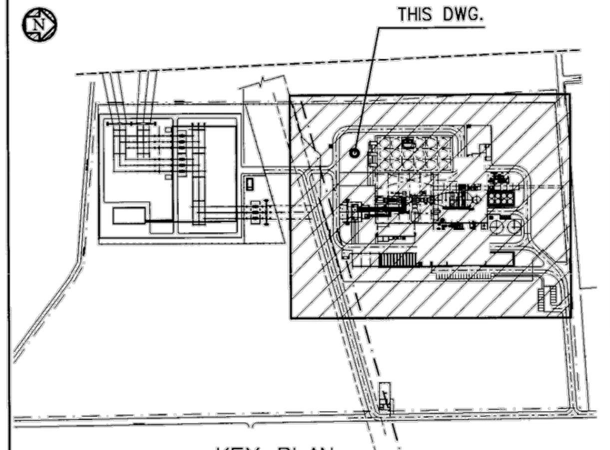
ITEM	DESCRIPTION	ELEVATION
P-201 A/B	BOILER FEED WATER PUMPS	BASE EL. 100300
P-203 A/B	RECIRCULATION PUMPS	BASE EL. 100200
P-204	START-UP PUMP	SUPPORT EL. 96200
P-301A/B	CONDENSATE PUMPS (PK-303)	BASE EL. 100200
P-302A/B	DRAINS RECOVERY PUMPS (PK-303)	BASE EL. 92750
P-1101 A/B	MACHINERY COOLING WATER PUMPS	BASE EL. 100200
P-1201 A/B	DEMINERALIZATION WATER MAKE-UP PUMPS	BASE EL. 100200
P-1203 A/B	NEUTRALIZED EFFLUENTS PUMPS (PK-1201)	BASE EL. 98800
P-1205 A÷D	HCL PUMPS (PK-1201)	BASE EL. 100860
P-1206 A÷D	Na OH PUMPS (PK-1201)	BASE EL. 100860
P-1301 A/B	WELL PUMPS	BASE TO LEAN EL.100150
P-1302 A/B	SERVICE WATER PUMPS	BASE EL. 100200
P-1801 A/B	POTENTIALLY OILY WATER TRANSFER PUMPS	SUPPORT EL. 95700
P-1802 A/B/C	RAIN WATER LIFTING PUMPS	BASE EL. 93800
P-1803 A/B	COLLECTED WATER EMPTYING PUMPS	BASE EL. 97500
P-1804 A/B	SANITARY WATER TRANSFER PUMPS	BASE EL. 95500
P-1805	SALINE BLOWDOWN PUMP	BASE EL.97000
P-1812	L-301 PIT DRAIN PUMP	BASE EL.92550
P-1813	D-205 PIT DRAIN PUMP	BASE EL.95000
PK-101	GAS TURBINE AND GENERATOR PACKAGE	BASE EL.101500
PK-201	HEAT RECOVERY STEAM GENERATOR PACKAGE	BOTT. FLOOR EL.104000
PK-202	PHOSPHATES INJECTION PACKAGE	BASE EL.100200
PK-203	OXYGEN SCAVENGER INJECTION PACKAGE	BASE EL.100200
PK-204	AMINES INJECTION PACKAGE	BASE EL.100200
PK-205	SAMPLING SYSTEM	SUPPORT EL. 100100
PK-206A/B	CONTINUOUS EMISSIONS MONITORING SYSTEM STACKS	BASE EL.100200
PK-301	STEAM TURBINE PACKAGE	BASE EL.104500
PK-303	AIR COOLED CONDENSER PACKAGE - SEE DWG.GEA 41-02-1521/1524-04	
PK-1201	DEMINERALIZATION PACKAGE- SEE DWG. BONO ARTES 3237/202	BASE EL. SEE DWG.
PK-1301	POTABILIZATION PACKAGE	BASE EL.100200
PK-1401	COMPRESSED AIR PACKAGE	——
PK-1701	AUXILIARY BOILER SEE DWG. NEOTERM N°120	BASE EL. SEE DWG.
PK-1801	INDUCED AIR FLOTATOR	BASE EL.100200
PK-1802	POLYELECTROLITE PREPARATION AND INJECTION PACKAGE	BASE EL.100200
PK-1803	BIOLOGICAL TREATMENT SYSTEM	BASE EL.100100
~~PK-1804~~	~~REVERSE OSMOSIS PACKAGE~~ DELETED	
PK-1901	FIRE WATER PUMPING STATION PACKAGE	BASE EL.100200
SL-201	STACK SILENCER (PK-201)	——
SL-202	HP STEAM LINE SILENCER	SUPPORT EL. 113500
SL-203	IP STEAM LINE SILENCER	SUPPORT EL. 113500
STK-201	STACK (PK-201)	——
STK-1701	STACK (PK-1701)	——
TVFD1	VFD TRASFORMER (P-201A)	BASE EL.100200
TVFD2	VFD TRASFORMER (P-201B)	BASE EL.100200
T1/T2/T3/T4	THREE PHASE TRANSFORMER	BASE EL.100200
TK-1201	DEMINERALIZED WATER TANK	BASE EL.100400
TK-1203	HCL TANK (PK-1201)	BASE EL.
TK-1204	Na OH TANK (PK-1201)	BASE EL.
TK-1301	FIRE / SERVICE WATER TANK	BASE EL.100400
UAT1	UNIT AUXIL.TRANSFORMER	BASE EL.100000
UAT2	UNIT AUXIL.TRANSFORMER	BASE EL.100200
UT1	UNIT STEP-UP TRANSFORMER	BASE EL.100000
X-302	MONITORING, CONTROL & ENERGY BILLING STATION	BASE EL.100200
X-1801 A/B	TILTED PLATE INTERCEPTOR	BASE EL.100200

REFERENCE DRAWINGS

TITLE	DWG. N°
GENERAL PLOT PLAN	BD-0137A-00-01-5
PLOT PLAN SECTION	BD-0137A-0-01-2

GENERAL NOTES

- ALL DIMENSIONS AND COORDINATES ARE IN MILLIMETERS
- ALL COORDINATES BETWEEN ( ) ARE REFERRED TO GRID POINT N°1
- ELEVATION 100.000 IS REFERRED TO HIGH POINT OF PAVING IS EQUAL TO EL. 72.34mt ABOVE NORMAL SEA LEVEL



KEY PLAN

SCALE IN METERS

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHD	APP.
3	19-04-05	AS BUILT	C.L.	A.O.	
2	06-05-04	REVISED WHERE INDICATED	C.L.	A.O.	S.T.
1	10-09-03	REVISED WHERE INDICATED	P.M.	A.O.	F.C.
0	14-04-03	ISSUED FOR CONSTRUCTION & REVIS.WHERE INDICATED	C.L.	G.B.	F.C.
H	04-02-03	UPDATED PK-303/L301- FIN FAN COOLER-TRANFORMERS-TURBINE PLATFORMS & REVISED WHERE INDICATED	C.L.	G.B.	F.C.
G	12-11-02	GENERAL REVISION	C.L.	G.B.	F.C.
F	01-10-02	REVISION INCLUDING V.E. COMMENTS AND A.EN. INTERFACE	C.B.	G.B.	F.C.
E	08-08-02	ISSUED FOR VE COMMENTS AND DRAWING RE-NUMBERING	C.C.	S.T.	F.C.
D	01-08-02	REVISIONATO IN ACCORDO CON COMMENTI VOGHERA ENERGIA	C.C.		
C	29-05-02	REVISIONE GENERALE	I.M.		
B	05-03-02	AGGIORNATO. INSERITI COMMENTI CLIENTE	N.C.		
A	18-02-02	PRIMA EMISSIONE	N.C.		

☐ YES ☐ NO HAND MODIFICATION

LEGEND

- GRADE ELEVATION
- GRID POINT UNIT
- UTILITY STATION (S.W./P.A.)
- PROPERTY LIMIT

Voghera Energia S.r.l.
VOGHERA 400MW C.C.P.P.
VOGHERA (PV) ITALY

PLOT PLAN

APPROVED FOR CONSTRUCTION
DWG. REV. 0 DATE 14-04-03
SIGNATURE G. MARZI
ORDER N°
SUPPLIER
CONTRACT N° 1-BD-0137A
THIS DWG. SUPERSEDED BY
THIS DWG. SUPERSEDES
SCALE 1:250
DWG. N° BD0137A-00-01-1
SHEET OF
REV. 3

FOSTER WHEELER ITALIANA

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CAD FILE NAME : BD0137a0001_1.dgn

Legenda

Interventi di progetto

- FGPH
- MXL2

Voghera Energia S.p.A.

PROGETTO MXL2/FGPH PER L'UPGRADE ENERGETICO-AMBIENTALE DELLA TURBINA A GAS DELLA CENTRALE DI VOGHERA

VERIFICA DI ASSOGGETTABILITÀ A VIA

INSEDIAMENTO
Centrale Termoelettrica di Voghera

TITOLO ELABORATO

Layout dell'impianto

DATA	ED.	REV.	DESCRIZIONE	REDATTO	VERIFICATO	APPROVATO
03/2020	1	0	Prima Emissione	A. Santilli	M. Massaro	M. Di Prete

CODICE ELABORATO	SCALA	FOGLIO
VOG-SPA-PL-02-01	1:250	01 di 01

NOME FILE	AMBIENTE SOFTWARE
VOG-SPA-PL-02-01-Layout dell'impianto.pdf	Autocad

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