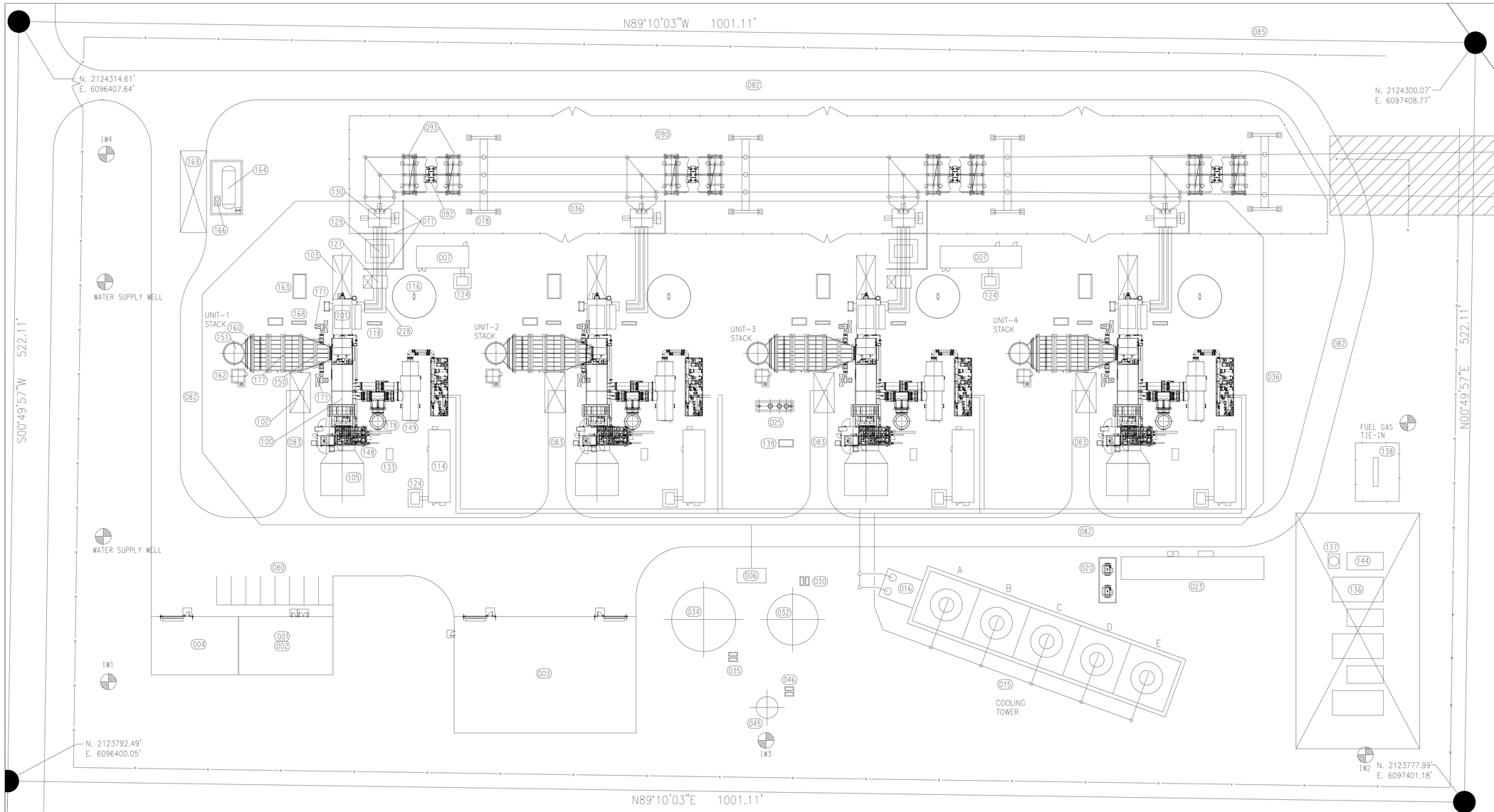

LEGEND

001	ADMINISTRATION BUILDING
002	CONTROL BUILDING
003	WATER TREATMENT BUILDING
004	WAREHOUSE BUILDING
006	FIRE WATER PUMP BUILDING
007	ELECTRICAL BUILDING
015	COOLING TOWER
016	CIRCULATING WATER PUMPS
020	COOLING TOWER XFMR'S
023	COOLING TOWER MCC AND CHEMICAL FEED BLDG
025	OIL/WATER SEPARATOR
030	DEMINERALIZED WATER PUMPS
032	DEMINERALIZED WATER STOR. TANK (240,000 GAL)
034	RAW WATER/FIREWATER STOR. TANK (500,000 GAL)
035	RAW WATER PUMPS
036	FIREWATER LOOP
045	WASTEWATER COLLECTION TANK (20,000 GAL)
046	WASTEWATER FORWARDING PUMPS
077	EQUIPMENT FIREWALL
078	DEADEND STRUCTURE (BY OWNER)
080	PARKING AREA
082	ROADWAY, 20' WIDTH
083	ROADWAY, 12' WIDTH
085	SITE FENCE
090	PLANT SWITCHYARD (BY OWNER)
092	SF6 BREAKER (BY OWNER)
093	SWITCHYARD DISCONNECT (BY OWNER)
100	COMBUSTION TURBINE (BY OWNER)
101	COMBUSTION TURBINE GENERATOR (BY OWNER)
102	TURBINE ROTOR REMOVAL AREA
103	GENERATOR REMOVAL AREA
105	AIR INLET FILTER (BY OWNER)
114	PACKAGED ELECTRICAL ELECTRONIC CONTROL CENTER (PEECC) (BY OWNER)
116	FUEL GAS FILTER/SEPARATOR
118	ELECTRIC DEW POINT HEATER
124	PAD MOUNTED TRANSFORMER
127	13.8KV GENERATOR BREAKER
129	AUXILIARY TRANSFORMER
130	CTG STEP-UP TRANSFORMER
133	WASTE WATER DRAINS TANK
136	FUEL GAS COMPR. WITH ACCOUSTICAL ENCLOSURE
137	NATURAL GAS SURGE TANK
138	FUEL GAS REGULATING AREA
139	AIR COMPRESSOR SKID
144	FUEL GAS COMPR. - RECYCLE GAS FIN FAN COOLER
148	CTG AUXILIARY SKID (BY OWNER)
149	INTERCOOLER SYSTEM (BY OWNER)
150	CTG EXHAUST DUCT (BY OWNER)
151	STACK (BY OWNER)
160	SCR (BY OWNER)
162	CONTINUOUS EMISSIONS MONITORING SYS. EQUIP.
163	AMMONIA VAPORIZER
164	AMMONIA STORAGE TANK
166	AMMONIA FORWARDING PUMPS
168	AMMONIA INJECTION SKID
169	AMMONIA UNLOADING CONTAINMENT AREA
171	COOLING/PURGE AIR FANS (BY OWNER)
177	CO CATALYST (BY OWNER)
178	COMBUSTION TURBINE VBV SLIENCER STACK
228	ISO-PHASE BUS DUCT

— PRELIMINARY —
NOT FOR CONSTRUCTION

CONFIDENTIAL

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EMISSION LOCATION POINT	NORTHING (FEET)	EASTING FEET
UNIT-1 STACK	N. 2124086.56	E. 6096555.74
UNIT-2 STACK	N. 2124086.56	E. 6096735.74
UNIT-3 STACK	N. 2124086.56	E. 6096915.74
UNIT-4 STACK	N. 2124086.56	E. 6097095.74
COOLING TOWER-A	N. 2123913.57	E. 6097045.11
COOLING TOWER-B	N. 2123901.03	E. 6097079.56
COOLING TOWER-C	N. 2123888.49	E. 6097114.02
COOLING TOWER-D	N. 2123875.95	E. 6097148.48
COOLING TOWER-E	N. 2123863.41	E. 6097183.05

LEGEND No.	NAME AND DESCRIPTION	STRUCTURE PLAN DIMENSION (FEET)	STRUCTURE HEIGHT DIMENSION (FEET)
001 002	ADMIN & CONTROL BLDG. INSULATED STD. SEAM METAL ROOF w/ SLOPE 1/2" PER FT	65' x 40'	20' MAX.
004	MAINTENANCE/WAREHOUSE BLDG INSULATED STD. SEAM METAL ROOF w/ SLOPE 1/2" PER FT	60' x 40'	28' MAX.
136	FUEL GAS COMPRESSOR ENCLOSURE INSULATED STD. SEAM METAL ROOF w/ SLOPE 1/2" PER FT	27' x 17'	15'
003	WATER TREATMENT BLDG.	124' x 80'	14'
006	FIRE WATER PUMP BLDG.	20' x 10'	13' @ EAVE
114	PEECC BLDG. INSULATED STD. SEAM METAL ROOF w/ SLOPE 1/2" PER FT	55' x 15'	20'
023	COOLING TOWER CHEMICAL BLDG. INSULATED STD. SEAM METAL ROOF w/ SLOPE 1/2" PER FT	16' x 100'	10'
100	COMBUSTION TURBINE INLET AIR FILTER, HIGHEST PART OF CT	18' x 135' NOTE AIR INLET SECT. IS 30' WIDE	40'
150	EXHAUST DUCT (UP TO STACK)	24'W x 70'L ON TOP THEN TAPERS DOWN TOWARD THE CTG EXHAUST	38'-45'
151	EXHUAST STACK	13'-6"ID 14'-2" - 14'-6"OD	90'

LEGEND No.	NAME AND DESCRIPTION	STRUCTURE PLAN DIMENSION	STRUCTURE HEIGHT DIMENSION
178	COMBUSTION TURBINE VBV SILENCER STACK	11'-0 1/2"ID 12'OD	53'-0 5/8"
015	COOLING TOWER	37'W x 151'L NOTE LENGTH BASED ON 5 CELLS	42' TO TOP OF STACK 30' TO FAN DECK
032	DM WATER STORAGE TANK 240,00 GALLON CAPACITY	35' DIAMETER	35' STRAIGHT SIDE HEIGHT WITH CONE ROOF
034	RAW WATER STORAGE TANK 500,00 GALLON CAPACITY	44' DIAMETER	44' STRAIGHT SIDE HEIGHT WITH CONE ROOF
045	WASTE WATER COLLECTION TANK 20,000 GALLON CAPACITY	15' DIAMETER	15' STRAIGHT SIDE HEIGHT
007	ELECTRICAL BLDG. INSULATED STD. SEAM METAL ROOF w/ SLOPE 1/2" PER FT	56' x 15'	20'

30' 0 30' 60'
SCALE: 1" = 30' - 0"

N

REV	DESCRIPTION	DWN	CHK	APP	DATE
C	REVISED WELL LOCATIONS AND BIBB DRAWING NUMBER	DNL	REB	SMG	07-21-06
B	RE-ISSUED FOR AIR QUALITY MODELING	JOY	CDH		06-06-06
A	FOR AIR QUALITY MODELING	IBR	JSG		05-08-06

KIEWIT INDUSTRIAL CO.
A Kiewit Company

PANOCHE ENERGY CENTER LLC

Bibb and associates
8455 Lenexa Drive
Lenexa, Kansas 66214

FIGURE 3.5-1

SITE ARRANGEMENT FOR AIR QUALITY MODEL

	by	date
DESIGNED	IBR	05-04-06
DRAWN	JSJ	05-08-06
CHECKED	---	----
APPROVED	---	----

DRAWING NUMBER
2006-027-CP-002