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May 9, 2007

VIA EMAIL AND HAND DELIVERY

Daniel F. Caruso Chairman Connecticut Siting Council Ten Franklin Square New Britain, CT 06051

> RE: Connecticut Siting Council Petition No. 805 – Ansonia Generation LLC Petition for a Declaratory Ruling that No Certificate of Environmental Compatibility and Public Need Is Required for the Proposed Construction, Maintenance, and Operation of a 58.4-MW Combined Heat and Power Natural Gas-Fired Electric Generating Facility and Transmission Line Tap Located at 75 Liberty Street, Ansonia, Connecticut

Dear Chairman Caruso:

On behalf of Ansonia Generation LLC ("AnGen"), enclosed are an original and fifteen (15) copies of each of the following:

- Revisions to AnGen's Petition for Declaratory Ruling, dated March 13, 2007 (to reflect comments from and discussions with the Connecticut Department of Environmental Protection, The United Illuminating Company, the City of Ansonia, and potential construction contractors);
- Water Flow Summary, Water Flow Diagram Annual Average, and Water Flow Diagram – Summer Maximum Peak (these replace Exhibit 8 of AnGen's Petition for Declaratory Ruling);
- Drawings entitled "Elevation," "Floor Plan Layout," and "Elevation Front and Rear Views" (these drawings replace those attached to AnGen's response to interrogatory Q-CSC-2, dated April 27, 2007); and
- the resume of Jessica Ferrato of URS Corporation (Ms. Ferrato will be available as a hearing witness for AnGen in lieu of Mr. Dayman and Ms. Posey).

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Please contact me with any questions concerning this filing.

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Very truly yours,

BROWN RUDNICK BERLACK ISRAELS LLP

Philip M. Small

Enclosures

cc: Service List

Bartholomew R. Flaherty III, Chairman, City of Ansonia Planning and Zoning Commission Peter W. Crabtree, City of Ansonia Zoning Enforcement Officer Oswald Ingles, Consultant, City of Ansonia Planning and Zoning Commission

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Ansonia Generation LLC is making the following revisions to its Petition for Declaratory Ruling (the "Petition") to reflect comments from and discussions with the Connecticut Department of Environmental Protection, The United Illuminating Company, the City of Ansonia, and potential construction contractors. These revisions to the original text of the Petition are redlined below.

§ III.B.2, The Facility

Revise the last sentence of the first paragraph of this subsection (page 6 and continuing to page 7) as follows:

It is currently contemplated that this transmission line tap will be installed <u>overhead</u> underground, except for a short overhead portion where it will cross the Naugatuck River.

Revise the second paragraph of this subsection (page 7) as follows:

As shown on Exhibit 5, most of the Facility's equipment will be located within the Building. Equipment to be located indoors includes the combustion turbine generator, the steam turbine generator, gas compressor, steam turbine condenser, smaller ancillary equipment such as feedwater and condensate pumps, the water treatment system, demineralized water storage, sump pumps, motor control centers, and the control room. The gas compressor, which will be enclosed, and demineralized water storage may be located outside the Building. The HRSG is expected to be located largely within the Building, although a portion of the HRSG may extend outside the Building due to the HRSG's length and height. The Facility's stand alone exhaust stack, which will not exceed a height of 92 feet, will be located either outdoors, adjacent to the Building, or within the Building and the Rod Mill immediately to the west. The switchyard will be located either within or adjacent to the Building.

Revise the third paragraph of this subsection (page 7) as follows:

Penetrations will be required in the Building roof for the combustion turbine air intake, and intake and exhaust cooling for the generators, and possibly the Facility's exhaust stack. Additionally, a portion of the southwest section of the Building wall and roof will need to be removed to allow construction equipment to access the interior of the Building for placement of generating facility components. AnGen will replace the wall and roof in an architecturally compatible manner. The Building's floor will likely require added concrete, and may require pilings, to withstand the additional static and dynamic weight of the turbines, generators, and other rotating equipment.

§ III.B.3, Natural Gas Supply

Revise the third sentence of this subsection (starting on page 7) as follows:

During construction, Yankee will replace this on-site 6-inch distribution line with a new 12-inch high-pressure line, approximately 500 feet in length, that will be connected to Yankee's existing 12 inch, 250 pound per square inch gauge pressure ("psig") distribution line located beneath North Main Street.

§ III.B.5, Switchyard and Transmission Line Tap

Revise the second sentence of the second paragraph of this subsection (starting on page 8) as follows:

This line will run-either underground or overhead, based on discussions with the owner of to minimize soil disturbance and to avoid passing under the railroad tracks running through the Site that the interconnection would need to cross.

Revise the third paragraph of this subsection (page 9) as follows:

The switchyard's 13.8/115-kV transformer will interconnect to UI's existing Ansonia Substation via a transmission line tap. Ansonia Substation is approximately 1/4-mile southwest of the Site and directly across the Naugatuck River. Except for a short aboveground section for the crossing of the Naugatuck River, i<u>I</u>t is contemplated that this transmission line tap will be installed <u>underground overhead</u>.

Delete in its entirety the fourth paragraph of this subsection (page 9) as follows:

UI has leased two underground duct banks, with a 40-feet easement, between the Naugatuck River and the Ansonia Substation. These duct banks will be utilized to route the 115-kV cable crossing from the edge of the Naugatuck River to the Ansonia Substation. UI plans to have the duct banks available by summer 2007. Each duct bank will be available for two to three 115-kV cables and, therefore, UI will have sufficient space for connecting the Facility.

§ III.C.1.b., Traffic Impacts

Revise the second and third sentences of this subsection (page 12) as follows:

A conservative estimate of the off-site truck trips necessary to deliver construction material to the Facility site would be approximately 15 vehicles per day, Monday-Friday during non-school hours for approximately-64_78 weeks. Additionally, at its peak, the construction process will employ approximately 60 workers, resulting in approximately

60 additional vehicle roundtrips per day during the $\frac{15}{18}$ -month construction and start-up period.

§ III.C.1.c., Water Impacts

Revise the last sentence of the second paragraph of this subsection (page 13) as follows:

<u>All new structures will be added to the ACB's existing AnGen will also prepare a</u> storm water pollution prevention plan in accordance with <u>ACB's existing the requirements of the</u> DEP Stormwater General Permit.

§ III.C.2.a., <u>Air Emissions and Permitting</u>

Replace Table 4 (page 18) in its entirety with the following:

		Actual Stack	
	MASC	Concentration	
HAP	<u>8-hr</u>	<u> 30-min</u>	<u>ug/m3</u>
Butadiene (1,3-butadiene)	<u>3.35E+06</u>	<u>1.67E+07</u>	<u>1.76E-01</u>
<u>Acetaldehyde</u>	<u>5.48E+05</u>	<u>2.74E+06</u>	<u>1.63E+01</u>
Acrolein	<u>7.61E+02</u>	<u>3.81E+03</u>	<u>2.62E+00</u>
Benzene	<u>2.28E+04</u>	<u>1.14E+05</u>	<u>4.91E+00</u>
<u>Ethylbenzene</u>	<u>1.32E+06</u>	<u>6.62E+06</u>	<u>1.31E+01</u>
Formaldehyde	<u>1.83E+03</u>	<u>9.13E+03</u>	<u>2.90E+02</u>
Naphthalene	<u>1.52E+05</u>	<u>7.61E+05</u>	<u>5.32E-01</u>
PAH	<u>1.52E+01</u>	<u>7.61E+01</u>	<u>9.02E-01</u>
Propelene Oxide	<u>1.52E+05</u>	<u>7.61E+05</u>	<u>1.18E+01</u>
<u>Toluene</u>	<u>1.14E+06</u>	<u>5.71E+06</u>	<u>5.32E+01</u>
<u>Xylenes</u>	<u>1.32E+06</u>	<u>6.61E+06</u>	<u>2.62E+01</u>

Table 4: Compliance with Connecticut HAP Regulations

§ III.C.2.b., Water Use and Discharge

Revise the first paragraph of this subsection (page 20) as follows:

When the Facility is operating with 30,000 pph of steam process flow, the Facility's total process water consumption will be approximately <u>250_256</u> gallons per minute ("gpm") or <u>360,000_368,000</u> gallons per day ("gpd"). Process water for the Facility will be supplied by ACB, which currently has a DEP water diversion registration for 4.32 million gpd from the Naugatuck River. The Facility's estimated wastewater discharge will be approximately <u>61_55</u> gpm or <u>88,000_80,000</u> gpd. Wastewater will be treated on-Site

within a portable wastewater treatment unit located within the Building. Excluding cooling tower blowdown (approximately 32 gpm), which is expected to be discharged to the Naugatuck River, It is expected that wastewater will be discharged to the local sewer treatment authority. A water balance diagram for the Facility is attached as Exhibit 8.

§ III.C.2.c., Visual and Aesthetic Effects

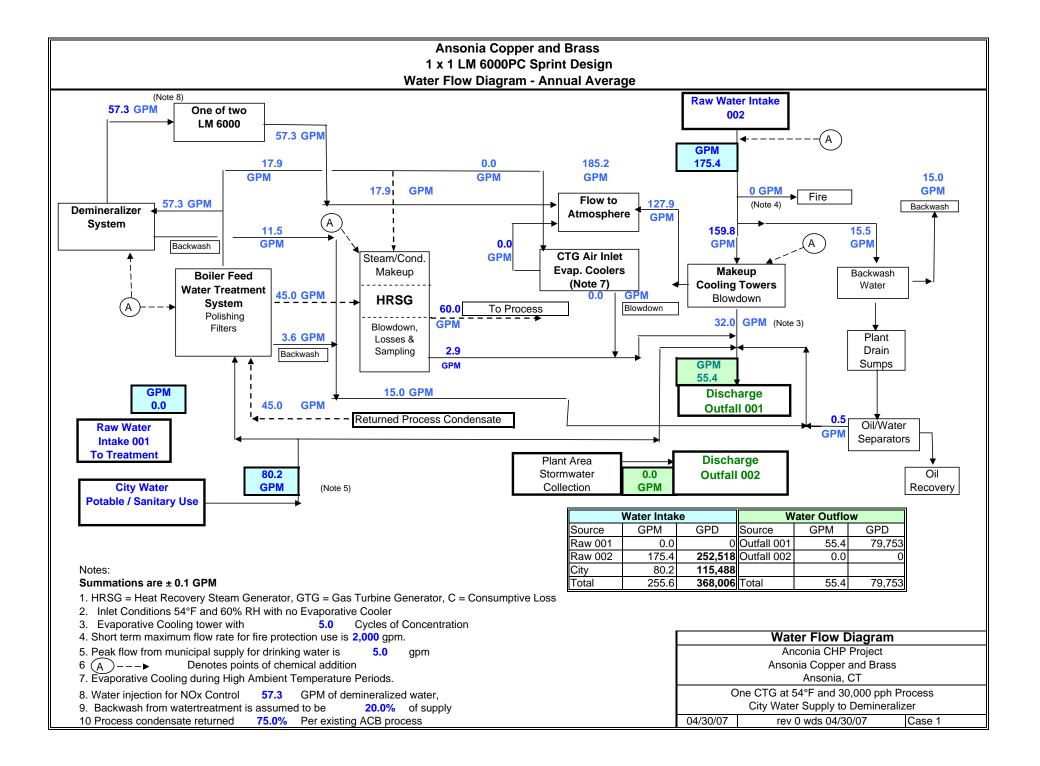
Revise the last sentence of this subsection (page 21) as follows:

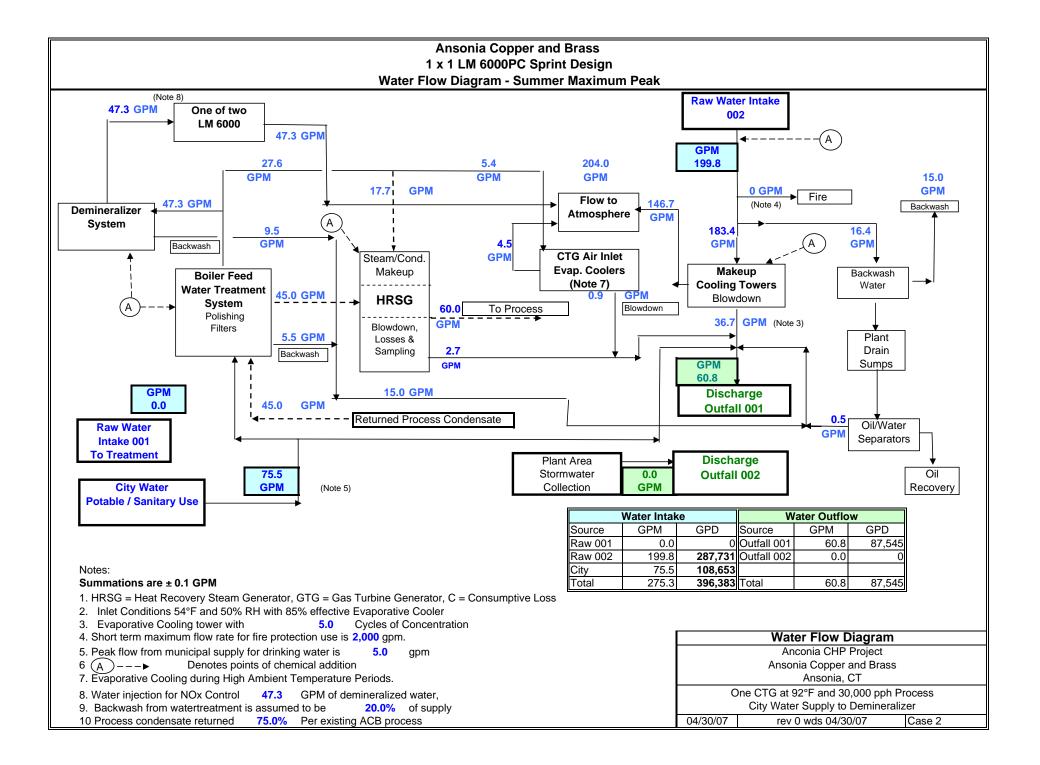
Similarly, the visibility visual impact of the transmission line tap-and on-Site distribution system interconnection will be largely eliminated mitigated by underground routing and aboveground routing that is lower than will be muted by the heights of the surrounding Site buildings.

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	Ansonia Copper and Brass 1 x 1 LM 6000PC Sprint Design								
	Water Flow Summary								
4	Case	Notes	Units	1	2				
5	Title	2		Annual Avg	Summer Max				
6	Site conditions		°F / RH	54° F / 60%	92°F / 50% RH				
7	Demin water supply			City	City				
	Net Plant Output - kW		kW	58,432	51,957				
9	Demin Water Quality from	City							
10	NOx Control	3	gpm	47.0	33.2				
11	Sprint Injection	3	gpm	10.3	14.1				
12	Evap Cooling	3	gpm	0.0	5.4				
13	Process makeup	3	gpm	15.0	15.0				
14	Steam Cycle makeup	3	gpm	2.9	2.7				
15	Potable water	3	gpm	<u>5.0</u>	<u>5.0</u>				
16	Total Demin quality required	3	gpm	80.2	75.5				
17	Water Supply From Canal								
18	Cooling Tower Make up		gpm	159.8	183.4				
	Back Wash		gpm	15.0	15.9				
20	Wash down waste		gpm	<u>0.5</u>	<u>0.5</u>				
21	Total River Intake		gpm	175.4	199.8				
22	River Intake "Raw 001"		gpm	0.0	0.0				
23	River Intake "Raw 002"		gpm	<u>175.4</u>	<u>199.8</u>				
24	Total River Intake	1	GPD	252,518	287,731				
25	City Water Intake		gpm	80.2	75.5				
26	Total Water Intake		gpm	255.6	275.3				
27	Total Water Intake		GPD	368,006	396,383				
	Water Discharge								
28	Discharge Outfall 001		gpm	55.4	60.8				
	Discharge Outfall 002		gpm	<u>0.0</u>	<u>0.0</u>				
30	Total Discharge		gpm	55.4	60.8				
31	Total Discharge		GPD	79,753	87,545				
32	Consumptive Water use								
33	Net Consumptive		gpm	200.2	214.5				
34	Net Consumptive	1	GPD	288,253	308,839				
	Rev 01 05/01/07 wds			n at inlat ambient o					

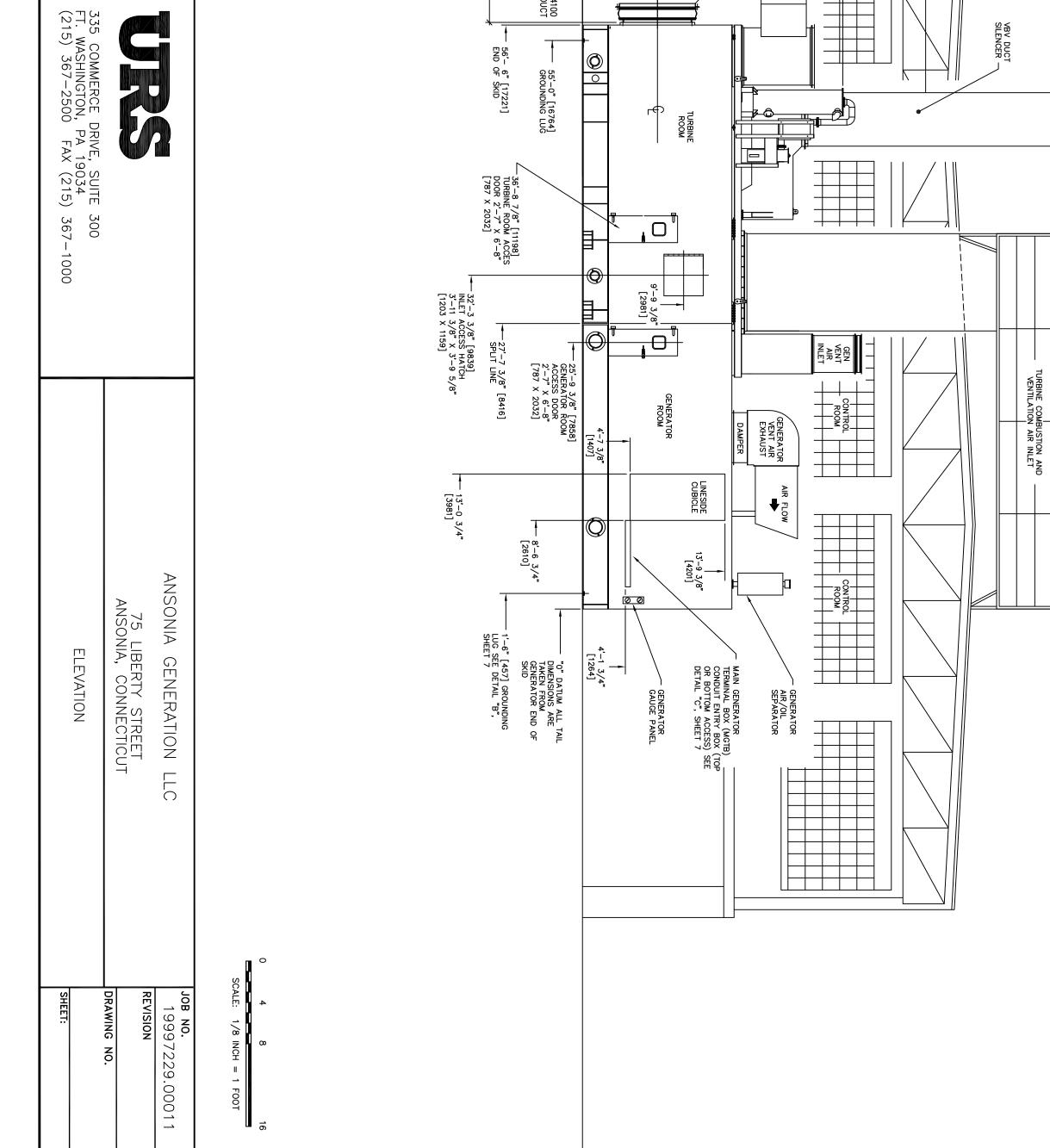
Gallons per day is based on 24 hour operation at inlet ambient conditions.
 See notes on water balance tabs for further assumptions
 Demineralized water supplied from "City" water





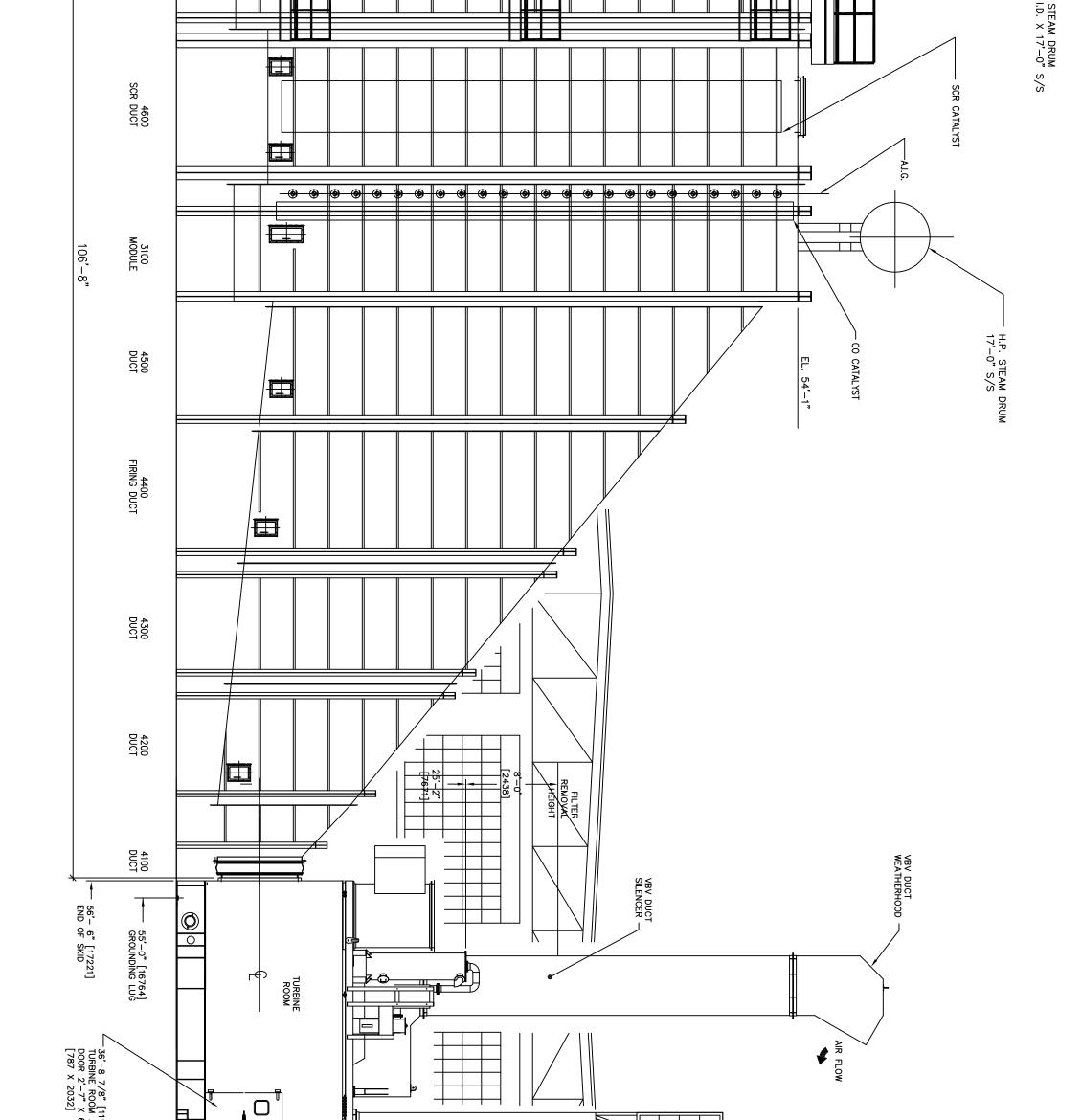
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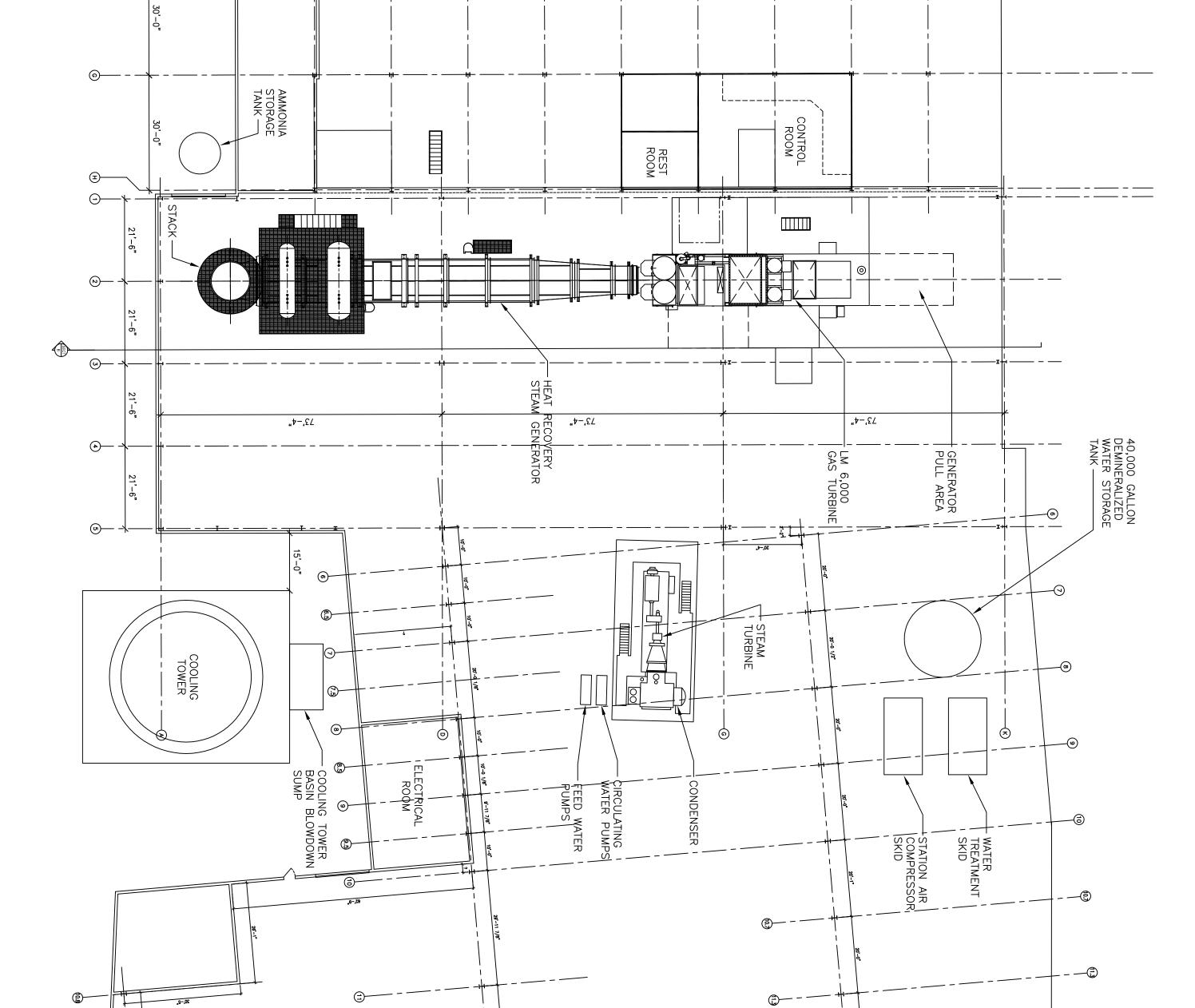
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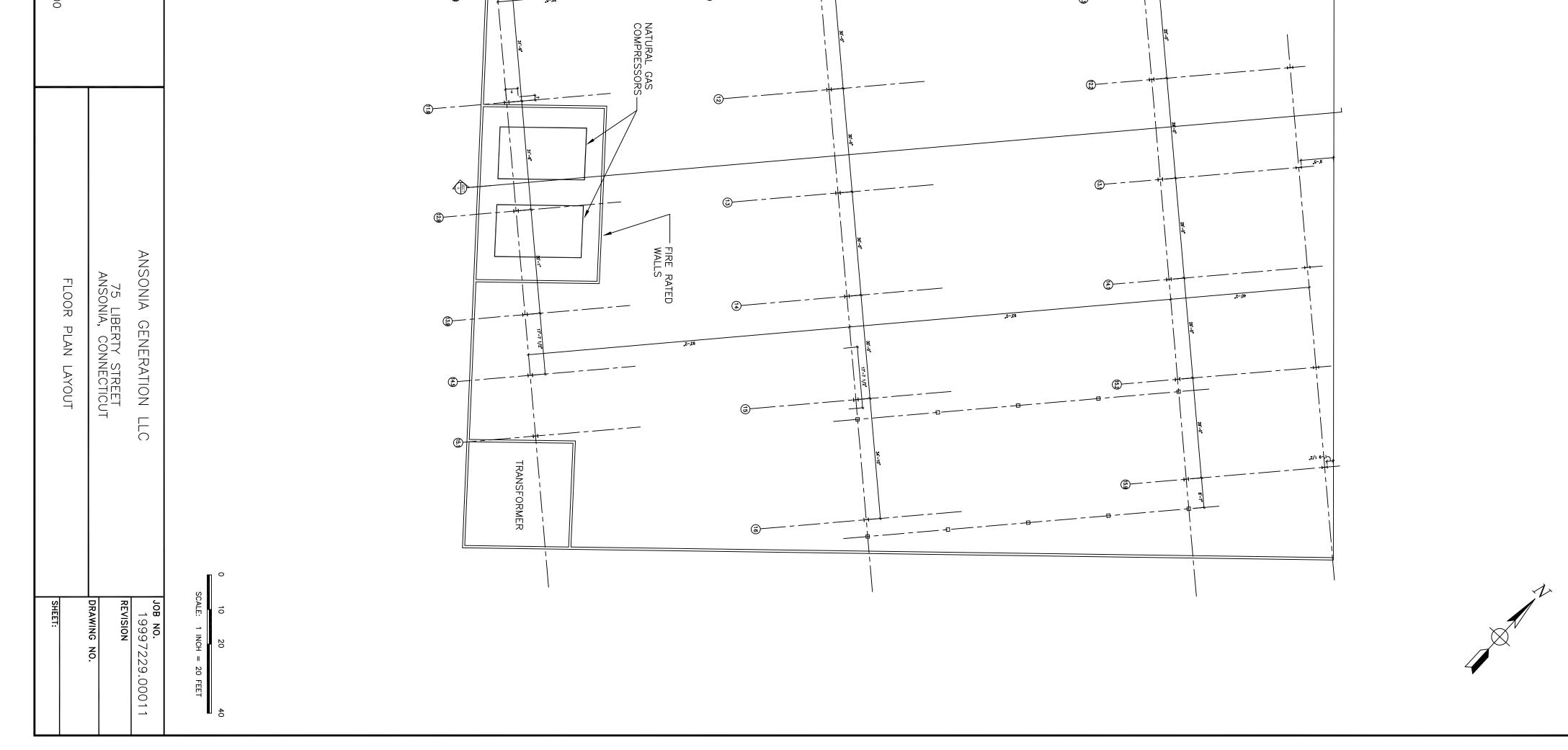
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335 COMMERCE DRIVE, SUITE 300 FT. WASHINGTON, PA 19034 (215) 367–2500 FAX (215) 367–1000



PRELIMINARY





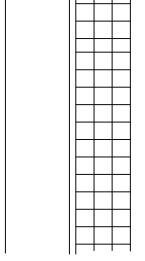
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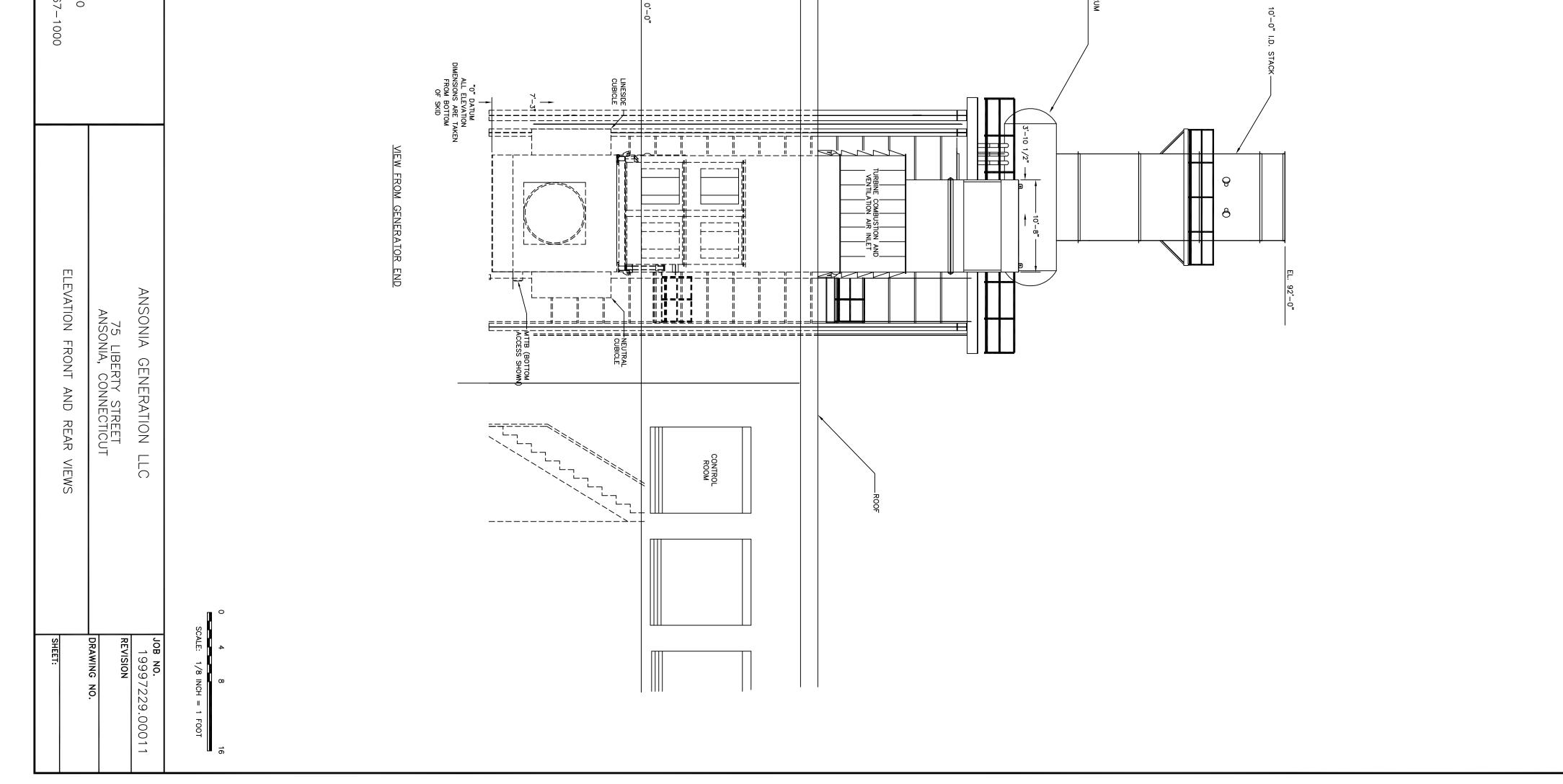
PRELIMINARY



ROOF

H.P. STEAM DRUM 17'-0" S/S _____

S STACK



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Jessica Ferrato

Water/Wastewater Engineer, Aquatic Biologist

Project Specific Experience URS Corporation

• Currently participating in 316(b) projects

Vero Fresh Produce

• Developed independently owned business specializing in home delivery of locally grown organic and all-natural produce

Nine Springs Permaculture Farm

- Designed and constructed small earthen dam for maximization of oxygenation to lower fish stocking pond
- Designed and constructed wetland to function as secondary outfall to dam and advised on native plant stocking
- Advised on storm and waste water issues
- Conducted soil and water analyses for optimum land use strategy
- Constructed terraces for soil-building and water retention
- Assisted with daily and seasonal farm tasks, including feeding and care of livestock, planting trees and market gardens, building and maintaining raised beds and livestock fencing, pump house maintenance, apiary construction

Ohio Environmental Protection Agency

- Reviewed Permit-To-Install applications and engineering plans of sewer and pump station designs for regulatory compliance
- Communicated with submitting engineers by letter and/or telephone regarding any additional terms or project needs, including technical and document requirements as well as mitigation approval
- Wrote agency technical reports for approved PTI applications
- Assisted in site inspections of industrial and construction sites with respect to storm water pollution prevention and waste water treatment NPDES permit compliance

EarthDay Coalition

• Provided comprehensive legal analysis of the hierarchy of jurisdiction over Dike 14, an Ohio submerged land and former Confined Disposal Facility (CDF) which has undergone natural succession to migratory bird habitat. Analysis included coverage of federal, state, and regional statutes, regulatory agencies and policies and addressed clean water, toxic waste, wildlife, historical, public planning, and public health concerns.

Education

Cleveland State University, M.S., Environmental Engineering (application pending 2007)

Ohio University, B.S., Marine and Freshwater Biology, 1997



Case Western Reserve University

- Through the Department of Biomedical Engineering, participated in Modeling Integrated Metabolic Networks (MIMS), a multiinstitutional collaborative and ongoing research project
- Designed network-analysis mathematical computer simulation models of the human metabolic system; compared results with similar models developed by a peer group at a sister institution; shared results with experimental research teams
- Participated in laboratory and modeling/simulation seminars on heart and muscle, brain, and liver metabolism

Committee for a Greener Lakewood

- Developed operating budget and negotiated funds with City of Lakewood mayor
- Developed evaluation criteria for City of Lakewood Go Green Awards; nominated and evaluated area businesses in accordance with criteria
- Wrote public relations material for Committee website and local media
- Presented Go Green Awards, and Committee goals, before Lakewood City Council

Schooner Explorations

- Outfitted and maintained 80-foot gaff-rigged wooden schooner
- Crewed passenger trips under sail in Penobscot Bay and the Florida Keys; led wildlife observations in Penobscot Bay and snorkeling trips in the Florida Keys; operated radio and GPS
- Operated vessel by motor and sail under harsh day and night conditions with Atlantic delivery crew from Camden, Maine to Key West, Florida; interpreted navigational charts and logged multiple daily watches; installed and operated bilge electronics; performed maintenance and repair of diesel inboard engine while underway

North Carolina Aquariums at Fort Fisher

- Administered "Touch Tank" exploratory tidal pool exhibit, including animal handling and feeding and exhibit presentation
- Administered "Reptile Room" herpetology exhibit
- Assisted with educational field trips
 - o Surfing and wave formation
 - o Exploring tide pools
 - o Canoeing the salt marsh
 - o Bird watching

Franz T. Stone Laboratory

- Taught ecology workshops to grades 4-12 at a biological field station in Lake Erie
 - Vessel-based lake ecology, field sampling techniques including fish, bottom, plankton, depth, wind speed



- Field-based bird behavior, water quality assessment and ecological niche, Lake Erie history, edible plants
- Laboratory-based fish identification and morphology using dichotomous keys, fish anatomy & dissection, lake ecology, plankton identification
- Assisted visiting researchers with ongoing studies
 - Effect of zebra mussel infestation on mayfly larvae habitat: collected and prepared study specimens, prepared experimental setup
 - Black snake population study: bagged, tagged, and released study specimens
 - o Small boat handling; laboratory management

Chronology

November 2006 – Present/URS Corporation
July 2005 – October 2006/Vero Fresh Produce
March 2005 – May 2005/Nine Springs Permaculture Farm
September 2004 – January 2005/Ohio Environmental Protection Agency
May 2004 – August 2004/Case Western Reserve University
January 2004 – May 2004/EarthDay Coalition (academic credit)
October 2003 – October 2006/Committee for a Greener Lakewood (volunteer)
March 1999 – December 1999/Schooner Explorations
May 1998 – September 1998/North Carolina Aquariums at Fort Fisher (volunteer)
April 1997 – August 1997/Franz T. Stone Laboratory

Contact Information

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