

Question 18.

Is there use or storage of any chemicals, acids or corrosive agents, animal, vegetable or mineral oils or grease, petroleum products, or explosive materials?

Question 19.

If answer is YES, identify all such items indicating: a) Quantity of each, b) Gallons or weight of each, c) Type of Container, d) Storage Area: indoors/outdoors, above or below ground.

#	Key	Chemical Name	Purpose	Location	Material Category	Quantity		Containers		Storage Area	
						Total	Unit	Cont. Type	# of Cont.	In/Out	AG/BG
1	A	Biomass	Raw material feed for process	Process Area and Storage	Combustible Solid	9,715	lbs	2.3 m ³ Super Sack (1,619 lb)	6	In	AG
2	B	Catalyst	Catalytic Reaction	Process Area and Storage	Non-combustible Solid	2,191	lbs	55 gallon drum	5	In	AG
3	C	Mixed Benzene, Toluene, and Xylene	Liquid Product	Process Area and Storage	Flammable Liquid (IB)	165	gallons	55 gallon drum	3	In	AG
4	D	Benzene	Distillation product	Process Area and Storage	Flammable Liquid (IB)	55	gallons	55 gallon drum	1	In	AG
5	E	Toluene	Distillation product	Process Area and Storage	Flammable Liquid (IB)	55	gallons	55 gallon drum	1	In	AG
6	F	Xylene	Distillation product	Process Area and Storage	Flammable Liquid (IC)	55	gallons	55 gallon drum	1	In	AG
7	G	Waste Water	By-product	Storage	Waste Water	550	gallons	275 gallon tote	2	In	AG
8	H	Liquid Nitrogen	Purging and carrier gas	Outside, front pad/fenced-in	Cryogenic Liquid	13,000	gallons	Cryogenic Tank	1	Out	AG
9	I	Hydrochloric Acid (liquid, 25-38%)	Waste Water Analytical	Analytical Room	Corrosive Liquid	1	gallons	0.5 L bottle (0.1 gallon)	10	In	AG
10	J	Sulfuric Acid (liquid, 95-98%)	Waste Water Analytical	Analytical Room	Corrosive Liquid	1	gallons	0.5 L bottle (0.1 gallon)	10	In	AG
11	K	Isopropyl Alcohol	Solvent	Analytical Room	Flammable Liquid (IA)	10	gallons	1 gallon bottle	10	In	AG
12	L	Acetone	Solvent	Analytical Room	Flammable Liquid (IB)	10	gallons	1 gallon bottle	10	In	AG
13	M	Methanol	Analytical	Analytical Room	Flammable Liquid (IB)	10	gallons	4 L bottle (1 gallon)	10	In	AG
14	N	Karl Fischer Reagent	Analytical	Analytical Room	Flammable Liquid (IB)	2	gallons	1 L bottle (0.2 gallons)	10	In	AG
15	O	Sodium Hydroxide (caustic soda)	Analytical	Analytical Room	Corrosive Solid	1	pounds	1 pound bottle	1	In	AG
16	P	Flammable Storage Cabinets	Storage	Analytical Room	Flammable Liquid	100	gallons	50 gallon Cabinet	2	In	AG
17	Q	Air Cylinders	Analytical	Outside back wall	Compressed Gas	5	cylinders	350 CF Cylinder	5	Out	AG
18	R	Helium Gas Cylinders	Analytical	Outside back wall	Compressed Gas	4	cylinders	350 CF Cylinder	4	Out	AG
19	S	Nitrogen Gas Cylinders	Analytical	Outside back wall	Compressed Gas	5	cylinders	350 CF Cylinder	5	Out	AG
20	T	Hydrogen Gas Cylinders	Analytical	Outside back wall	Compressed Gas	2	cylinders	350 CF Cylinder	3	Out	AG
21	U	Argon Gas Cylinders	Analytical	Outside back wall	Compressed Gas	2	cylinders	350 CF Cylinder	2	Out	AG
22	V	Propane Cylinders	Fork Lift	Outside back wall	Compressed Gas	5	cylinders	33.5 pound cylinder	5	Out	AG

NOTES:

- 1) In/Out: Indoors/Outdoors
- 2) AG/BG: Above ground/Below ground

New

Existing

Anellotech: Addition to Building 123 FLOOR PLAN

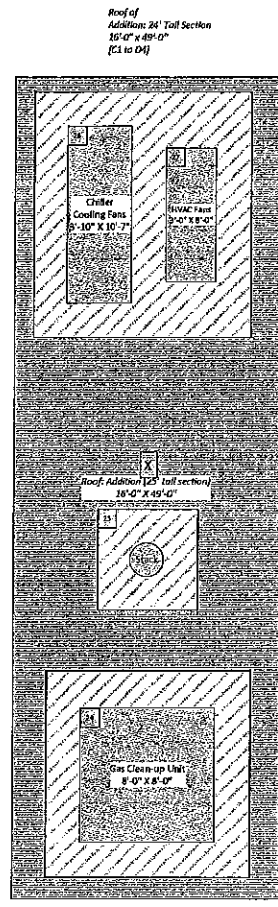
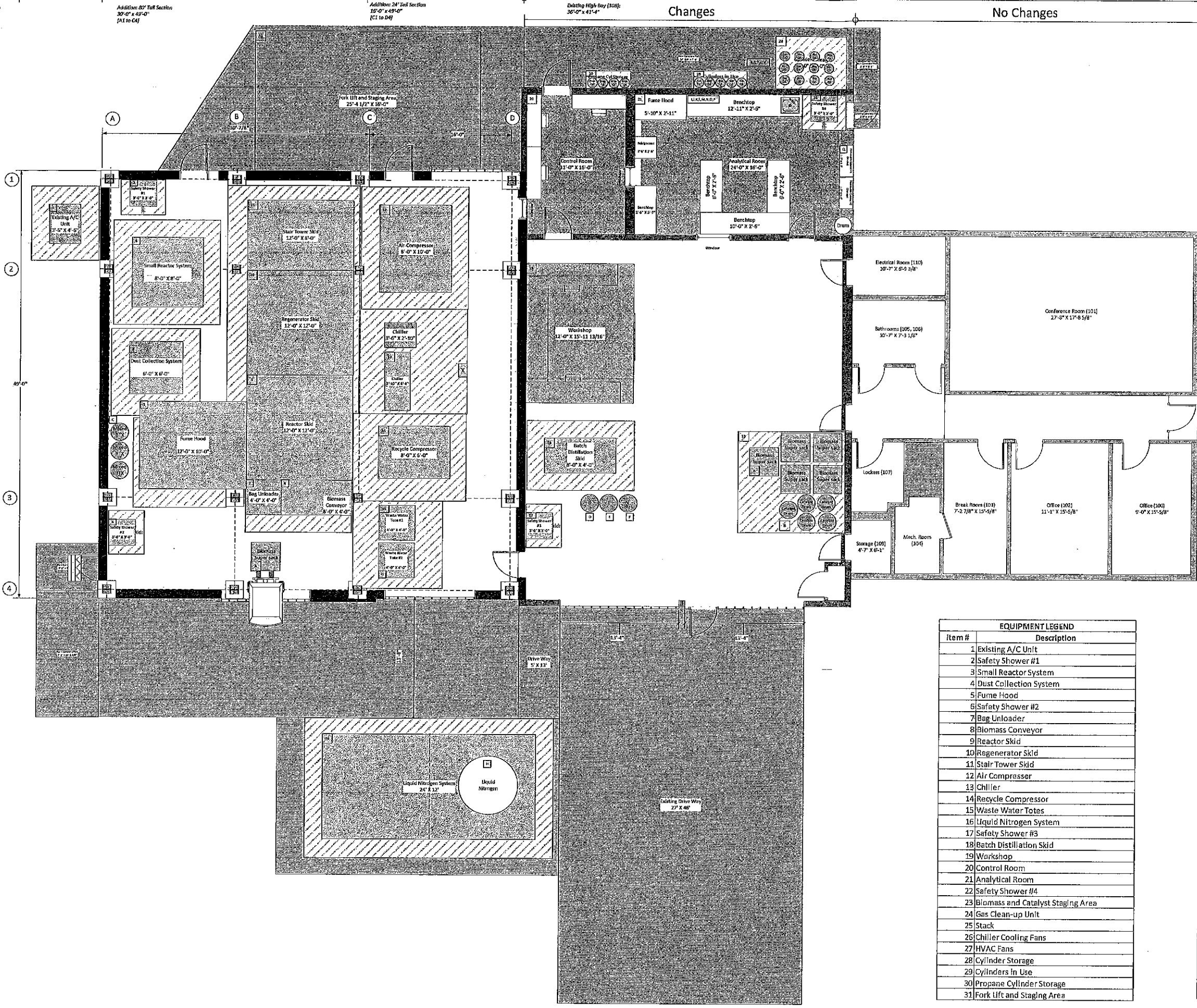
Date: 9/29/14
Latest Rev: 16

ORIGINAL

ZONING BOARD OF APPEALS

NOV 19 2014

Date



EQUIPMENT LEGEND	
Item #	Description
1	Existing A/C Unit
2	Safety Shower #1
3	Small Reactor System
4	Dust Collection System
5	Fume Hood
6	Safety Shower #2
7	Bag Unloader
8	Biomass Conveyor
9	Reactor Skid
10	Regenerator Skid
11	Stair Tower Skid
12	Air Compressor
13	Chiller
14	Recycle Compressor
15	Waste Water Totes
16	Liquid Nitrogen System
17	Safety Shower #3
18	Batch Distillation Skid
19	Workshop
20	Control Room
21	Analytical Room
22	Safety Shower #4
23	Biomass and Catalyst Staging Area
24	Gas Clean-up Unit
25	Stack
26	Chiller Cooling Fans
27	HVAC Fans
28	Cylinder Storage
29	Cylinders In Use
30	Propane Cylinder Storage
31	Fork Lift and Staging Area

MATERIALS LEGEND	
Item #	Description
A	Biomass
B	Catalyst
C	Mixed Benzene, Toluene, and Xylene
D	Benzene
E	Toluene
F	Xylene
G	Waste Water
H	Liquid Nitrogen
I	Hydrochloric Acid
J	Sulfuric Acid
K	Isopropyl Alcohol
L	Acetone
M	Methanol
N	Karl Fischer Reagent
O	Sodium Hydroxide (caustic soda)
P	Flammable Storage Cabinets
Q	Air Cylinders
R	Helium Gas Cylinders
S	Nitrogen Gas Cylinders
T	Hydrogen Gas Cylinders
U	Argon Gas Cylinders
V	Propane Gas Cylinders