



Department of Environmental Protection

Lawton Chiles
Governor

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Virginia B. Wetherell
Secretary

August 4, 1994

Mr. William J. Boye, Director
Commercial Personal Property Division
Broward County Property Appraiser
115 South Andrews Avenue, Room 111
Fort Lauderdale, Florida 33301-1899

Re: Reuter Recycling of Florida, Inc./Pembroke Pines
Facility

Dear Mr. Boye:

I have reviewed the "Engineer's Certificate" dated July 28, 1994, as provided by Mr. Joseph A. Jamerson, P.E. concerning the Reuter Recycling Facility. Included in the certificate are tables that list and describe various components of the recycling facilities showing costs, lists of environmental permits, process flow diagrams, descriptions, and drawings. After reviewing the material submitted, it is my opinion that the listed equipment are eligible for assessment at salvage value pursuant to ss 193.621(4), F.S.

It is my understanding after a telephone conversation with Mr. Lee McKee of your office that you have a copy of the material submitted by Mr. Jamerson in your files. If you have any questions on this matter, please contact me at (904) 487-0472.

Sincerely,

Hamilton S. Oven

Hamilton S. Oven, P.E.
Administrator, Siting
Coordination Section

cc: Joseph A. Jamerson, P.E.
Lee McKee



DEPARTMENT OF
ENVIRONMENTAL PROTECTION

AUG 11 1994

SITING COORDINATION

OFFICE OF THE PROPERTY APPRAISER
DUVAL COUNTY, FLORIDA

ERNIE MASTROIANNI
PROPERTY APPRAISER

SUITE 270
231 EAST FORSYTH STREET
JACKSONVILLE, FLORIDA 32202

July 25, 1994

Hamilton S. Oven, P.E.
Florida Department of Environmental Regulation
Twin Towers Office Building
Tallahassee, Florida

Dear Mr. Oven:

Our letter of May 31, 1994, requested your assistance in conducting an indepth analysis into the tax returns submitted to us by utilities, manufacturing facilities, and power generation plants that are currently participating in a reduced assessment for pollution control equipment under FS 193.621. This submitted information, furnished by the identified organizations varies in substance. The information has been analyzed, and reviewed by this department with disappointing results.

Those organizations that did not comply with our request are being denied the reduced assessment under FS 193.621. The determination on the amount to assess the remaining organizations awaits your findings and conclusions as to the validity and accuracy of their listed pollution control assets. In the analysis of the listed assets for each organization your best technical judgement as to whether any device, fixture, equipment or machinery is used primarily for the control or abatement of pollution is a major factor.

Again, your expertise and assistance in the determination of the provided list of assets to meet the classified use status is appreciated. Please feel free to contact me for any questions or concerns you may have regarding this effort at (904) 630-1963.

Respectfully,

A. Thomas Felter
A. Thomas Felter, Supervisor
Tangible Personal Property



RECYCLING OF FLORIDA INC.

20701 PEMBROKE ROAD ■ PEMBROKE PINES ■ FLORIDA 33029

(305) 436-9500
FAX 436-5893

July 28, 1994

Siting Coordination Section
Department of Environmental Protection
3900 Commonwealth Blvd, MS 48
Tallahassee, Florida 32399-3000

FEDERAL EXPRESS

Re: **Ad Valorem Tax Exclusion for Pollution Control Equipment
Reuter Recycling of Florida, Inc. / Pembroke Pines Facility**

Dear Hamilton S. Oven:

This petition and its attachments are submitted in support of an exclusion from the Ad Valorem Tax, DER Chapter 17-8, on the pollution control devices being utilized at the Pembroke Pines Facility. Reuter Recycling of Florida, Inc. owns and operates the Pembroke Pines Facility, a processing plant designed to extract recyclables (corrugated, aluminum, plastic and ferrous) and recover the organic fraction for composting from residential and commercial waste. The process generates air and water pollutants which are regulated by the State and County environmental authorities. Bag house filters mitigate particulate emissions and aeration with bio-filters mitigate odor emissions. These devices are subject to State permits and County licenses.

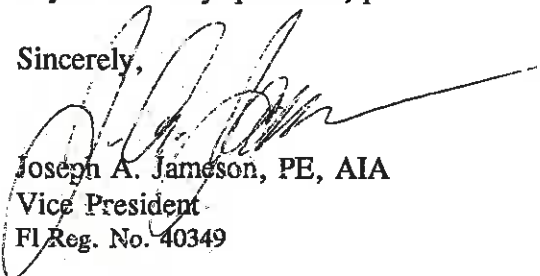
State Facility Permit SC-06 169001
County Facility License SWCO 90-2001

State Air Permit AC 06-174995
County Air License AC-26556

I certify, in my professional judgement, the devices represented are pollution control devices; and the information is correct to the best of my knowledge and belief.

If you have any questions, please call me at (612) 935-6921.

Sincerely,


Joseph A. Jameson, PE, AIA
Vice President
Fl Reg. No. 40349

Attachments

cc Dave Pendelton, RRF
Norman Segall, KMLCL

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Cost Listing of Pollution Control Devices for : PEMBROKE PINES FACILITY

PART I – BUHLER SUPPLIED

Item No.	Item Description	Number Of Items/ Systems	Process Description Page Reference (Section 5 – Item No.)	Drawing No. (Section 4,6,7)	Item No. on Drawing	Equipment Cost	Remarks
DC-155	DUST COLLECTOR	1	45	AUGP-40147	155-001	37,568	
FA-156	DUST COLLECTOR FAN	1	46	AUGP-40147	156-001	9,095	
RV-157	ROTARY VALVE (AIRLOCK)	1	47	AUGP-40147	157-001	8,880	
AD-159	ASPIRATION DUCTWORK	1	48	AUGP-40147	AD-159	71,721	
DC-160	DUST COLLECTOR	1	49	AUGP-40146	DC-160	20,492	
FA-161	DUST COLLECTOR FAN	1	50	AUGP-40146	FA-161	6,915	
AD-162	ASPIRATION DUCTWORK	1	51	AUGP-40146	AD-162	23,548	
RV-167	ROTARY VALVE (AIRLOCK)	1	55	AUGP-40146	RV-167	8,880	
AA-308	AERATION SYSTEM	4	64	AUGP-40186, 40187, 40188, 40196	-	198,436	Fans only (See Part II Construction)
DC-516	DUST COLLECTOR	1	85	AUGP-40185	DC-516	37,568	
RV-517	ROTARY VALVE (AIRLOCK)	1	86	AUGP-40185	RV-517	8,980	
FA-518	DUST COLLECTOR FAN	1	87	AUGP-40185	FA-518	7,937	
AD-519	ASPIRATION DUCTWORK	1	88	AUGP-40185	AD-519	10,246	
EC-991	ELECTRICAL CONTROL PANEL (1)	1	90	AUEG-45708	68	26,089	Est. 3% of total elect. equip. cost
EC-992	MOTOR CONTROL CENTER (1)	1	91	AUEG-45709	69	17,393	Est. 2% of total elect. equip. cost
EC-993	ELECTRICAL CONTROL PANEL (1)	1	92	AUEG-45714	20	130,447	Est. 15% of total elect. equip. cost
EC-994	MOTOR CONTROL CENTER (1)	1	93	AUEG-45715	21	86,965	Est. 10% of total elect. equip. cost
(1) Electrical Equipment for Pollution Control Devices						\$710,760	

PART II – ENCORP and KIMMINS CONSTRUCTION COSTS

Item No.	Item Description	Number Of Items/ Systems	Process Description Page Reference (Section 5 – Item No.)	Drawing No. (Section 4,6,7)	Item No. on Drawing	Construction Cost	Remarks
-	FOUNDATIONS FOR DUST COLLECTORS	3	-	AUGP-40146, 40147, 40185	-	13,000	
AA-308	AERATION DUCTWORK, TRENCHES, GRATING, AERATION DRAINAGE PIPING / SUMP / PUMPS FOR LEACHATE/CONDENSATE COLLECTION/REUSE	4 1	304.3, Pg 52, Facility App.	Eckler - 3 of 7 Eckler - 4 of 7 Eckler - 5 of 7	- - -	2,693,000	
AA-308	BIO-FILTER (EARTH FILTER) CONSTRUCTION	4	304.4, Pg 52, Facility App.	AUGP-40186, 40187, 40188, 40196	-	163,000	
-	MILLWRIGHT (Equipment Installation)	-	-	-	-	192,000	Estimated 15% of total
-	ELECTRICAL (Power Equipment and Control)	2	-	-	-	211,000	Estimated 15% of total
SUBTOTAL						\$3,272,000	
TOTAL						\$3,982,760	



Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406 • 407-964-9668

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary
Scott Benyon, Deputy Assistant Secretary

NOTICE OF PERMIT

Broward County
SW - Reuter Recycling of Florida, Inc.

Reuter Recycling of Florida, Inc.
c/o Mr. Joseph A. Jameson, P.E.
Reuter Inc.
410 11th Avenue So.
Hopkins, MN 55343

Dear Mr. Jameson:

Enclosed is Permit Number **SC-06 169001** for a permit to construct/operate a Solid Waste Management Facility for the production of compost issued pursuant to Section 403.707, Florida Statutes.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION


J. Scott Benyon
Deputy Assistant Secretary
1900 South Congress Avenue, Suite A
West Palm Beach, FL 33406
407/964-9668

JSB:jlh/23

Copies furnished to:

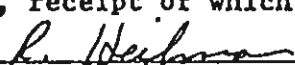
John Chase, BCEQCB
Eduardo Lopez, SFWMD
Chris McGuire, OGC, Tlh.
John Reese, Solid Waste, Tlh.
Melvin Love
Stephanie Brooks, DER/WPB
David Pendleton
Rockland Burr, P.G., Ardaman & Assoc.
John W. Divine, Steel Hector & Davis

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on FEB 22 1990 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to §120.52(10), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


Clerk

FEB 22 1990
Date



Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406 • 407-964-9668

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary
Scott Benyon, Deputy Assistant Secretary

PERMITTEE:

Reuter Recycling of Florida, Inc.
c/o Mr. Joseph A. Jameson, P.E.
Reuter Inc.
410 11th Avenue So.
Hopkins, MN 55343

I.D. NUMBER:

PERMIT/CERTIFICATION NUMBER: SC 06-169001
DATE OF ISSUE: FEB 22 1990
EXPIRATION DATE: FEB 22 1995
COUNTY: Broward
LATITUDE/LONGITUDE: 25°59'38"N/80°25'00"W
SECTION/TOWNSHIP/RANGE: 23/51S/39E
PROJECT: Reuter Recycling of Florida, Inc.

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule 17-701 and 17.709. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT/OPERATE: A 667 tons/day solid waste aerobic windrow compost facility with expansion capabilities to process approximately of 1000 tons/day on an annual average from four contracted cities, Broward County and other municipalities and entities. Solid waste will be processed by a primary screening drum, magnetic separation, a handpicking recycling line, fermentation, secondary shredding and transferred to compost storage for loadout distribution and marketing. The solid waste will be composted for approximately 42 days and aerated completely at least 5 times. The windrow piles shall attain a minimum temperature of 55°C (131°F) for approximately 15 consecutive days. Composting activities will be conducted inside a pre-engineered metal constructed building or buildings with an initial area of approximately 412,350 square feet.

IN ACCORDANCE WITH: An application for Construct a Solid Waste Resource Recovery and Management Facility dated August 21, 1989 and additional information received on September 6, September 21, October 6 and November 13, 1989 along with a Notice of Application published September 26, 1989 respectively.

LOCATED AT: Approximately 5/8 mile east off Highway 27 on Pembroke Road, Pembroke Pines, Broward County, Florida.

SUBJECT TO: General Conditions 1-15 and Specific Conditions 1-9.

PERMITTEE:
Mr. Joseph A. Jameson, P.E.
Reuter Inc.

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: SC 06-169001
DATE OF ISSUE: FEB 22 1990
EXPIRATION DATE: FEB 22 1995

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. Having access to and copying any records that must be kept under the conditions of the permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in the permit, the permittee shall immediately notify and provide the Department with the following information:
 - a. a description of and cause of non-compliance; and
 - b. the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

PERMITTEE:
Mr. Joseph A. Jameson, P.E.
Reuter Inc.

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: SC 06-169001
DATE OF ISSUE: FEB 22 1990
EXPIRATION DATE: FEB 22 1995

GENERAL CONDITIONS Cont'd:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
13. This permit also constitutes:
 - () Determination of Best Available Control Technology (BACT)
 - () Determination of Prevention of Significant Deterioration (PSD)
 - () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
 - () Compliance with New Source Performance Standards
14. The permittee shall comply with the following monitoring and record keeping requirements:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.
 - b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - analytical techniques or methods used; and
 - results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be submitted or corrected promptly.

PERMITTEE:
Mr. Joseph A. Jameson, P.E.
Reuter Inc.

I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: SC 06-169001
DATE OF ISSUE: FEB 22, 1990
EXPIRATION DATE: FEB 22 1995

SPECIFIC CONDITIONS:

1. The permittee is responsible to retain the engineer of record in the application for the supervision of construction of this project. Within thirty (30) days upon completion of this project, the engineer shall submit a summary report and a completed "Certification of Construction Completion" (DER Form 17-701.130(2), Exhibit A) with signed/sealed As-Built Drawings of this facility describing conformance with the construction drawings submitted in the application.
2. The stormwater control system shall be constructed and maintained to meet the requirements of the South Florida Water Management District's (SFWMD) regulations. The permittee shall submit a copy of the SFWMD permit to the Department within 7 days of receipt of said permit.
3. Nonprocessable solid waste separated from the municipal solid waste stream or from compostable materials shall be disposed of in a Class I bottom lined landfill that has a currently valid Department permit pursuant to Chapter 17-701, FAC. All solid waste shall be processed within 72 hours of disposal at the tipping floors.
4. Condensate/leachate from the compost process shall be either recycled into the process or disposed of into the sanitary sewer system.
5. The permittee shall submit an annual report by the 31st of October each year to:
 - a. Solid Waste Administrator
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301
 - b. Southeast District office
Florida Department of Environmental Regulation
1900 South Congress Avenue
West Palm Beach, Florida 33406

This report shall include the following information:

- I. types of solid waste received (i.e. trash, yard trash garbage);
- II. quantities of solid waste received (expressed in tons);
- III. types of solid waste rejected;
- IV. quantities of solid waste rejected (expressed in tons);
- V. quantities of final composted product produced and removed off site;
- VI. quantities of solid waste recycled (i.e. aluminum, ferrous, glass, plastics, corrugate).

Note: The starting year for this report shall be 1992 or three years after permit issuance, whichever is less.

6. The permittee shall maintain a bound log book monitoring each windrow for moisture, oxygen and temperature in accordance with the operations plan, part 5, sections 504.7 and 504.9 of the application.
7. The permittee shall sample and analyze the final compost product in accordance with Rules 17-709.530, 17-709.550 and 17-709.600, FAC. The results of the analyses shall be submitted to the Department on a quarterly basis (January, April, July, October).
8. The initial storage of final compost product shall not exceed the design capacity of the storage building being 53,333 cubic yards or fifteen days of production, whichever is more stringent.

PERMITTEE:
Mr. Joseph A. Jameson, P.E.
Reuter Inc.

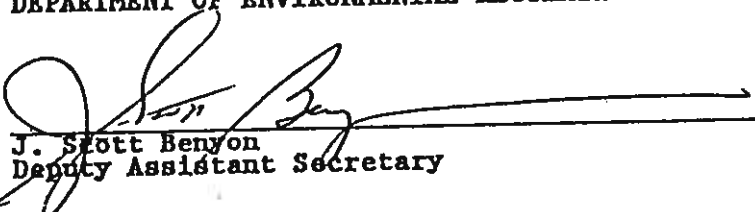
I.D. NUMBER:
PERMIT/CERTIFICATION NUMBER: SC 06-169001
DATE OF ISSUE: FEB 22 1990
EXPIRATION DATE: FEB 22 1995

SPECIFIC CONDITIONS Cont'd:

9. This facility shall not process any material suspected of being hazardous or infectious wastes for composting. The permittee shall notify the Southeast District Office of the Department immediately of any infectious or hazardous wastes received.

Issued this 22nd day of February, 1990

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION


J. Scott Benyon
Deputy Assistant Secretary



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
FOR APPLICATION TO OPERATE ONLY
RESOURCE RECOVERY AND MANAGEMENT FACILITY
CERTIFICATION OF CONSTRUCTION COMPLETION

DER Construction Permit No.: _____ County: _____

Name of Project: _____

Name of Owner: _____

Name of Engineer: _____

Type of Project: _____

Cost: Estimated \$ _____ Actual \$ _____

Site Design: Quantity: _____ ton/day Site Acreage: _____ Acres

Population: _____ Dumping Fee: \$ _____ Ton

Deviations from Plans and Application Approved by DER: _____

Water Monitoring Data Submitted to DER, Date: _____

Address and Telephone No. of Site: _____

Name(s) of Site Supervisor: _____

Date Site Inspection is requested: _____

This is to certify that, with the exception of deviations noted above, the construction of the project has been completed in accordance with the plans authorized by Construction Permit No.: _____ Dated: _____

Date: _____

Signature of Professional Engineer



Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406 • 407-964-9668

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary
Scott Benyon, Deputy Assistant Secretary

New Telephone No. 407/433-2650

NOV 19 1990

NOTICE OF PERMIT

Broward County
AP - Reuter Recycling of Florida, Inc.
Recycling & Compost Plant

Mr. Joseph A. Jameson
Director of Engineering
Reuter Recycling of Florida, Inc.
20701 Pembroke Road
Pembroke Pines, Florida 33029

Dear Mr. Jameson:

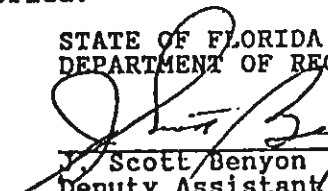
Enclosed is Permit Number AC 06-174995, to construct an air pollution source, issued pursuant to Section(s) 403.087, Florida Statutes.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

In addition, please be advised that some processes generate hazardous wastes. Please consult 40 C.F.R. Parts 260-271 and Chapter 17-730, F.A.C. for specific rules and regulations applicable to hazardous waste handlers. Attached for your use is a document titled "Highlights of Hazardous Waste Regulations" which outlines typical compliance items applicable to various hazardous waste generators/facilities.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF REGULATION


Scott Benyon
Deputy Assistant Secretary
1900 South Congress Ave., Suite A
West Palm Beach, FL 33406
407/964-9668

JSB:SB/k13

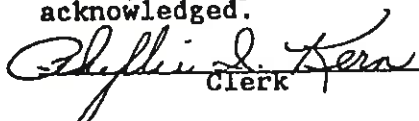
cc: Michael T. Hendley
John Lanciault
Melvin L. Love
Joseph Lurix, DER, WPB
David Pendleton
Pat Comer, Office of General Counsel, DER, Tallahassee

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on NOV 19 1990 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to §120.52(10), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


Clerk

NOV 19 1990
Date



Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406 • 407-964-9668

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary
Scott Benyon, Deputy Assistant Secretary

PERMITTEE:
Mr. Joseph A. Jameson
Director of Engineering
Reuter Recycling of Florida, Inc.
20701 Pembroke Road
Pembroke Pines, Florida 33029

I.D. NUMBER: 50/BRO/06/2109
PERMIT/CERTIFICATION NUMBER: 46-06-174995
DATE OF ISSUE: NOV 19 1990
EXPIRATION DATE: February 28, 1992
COUNTY: Broward
LATITUDE/LONGITUDE: 25°59'38"N/80°25'00"W
UTM: Zone 17; 558.38 Km. E; 2874.97 Km. N
PROJECT: Reuter Recycling of Florida, Inc.
Recycling & Composting Plant

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-2, and in conformance with all existing regulations of the Florida Department of Environmental Regulation. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

CONSTRUCT: An air pollution source consisting of an air the processing of municipal solid waste at a compost/recycling facility. Dust emissions from the coarse and fine treatment areas are controlled by Buhler-Miag, Inc. Reverse Pulse Jet filters. Odor emissions are controlled by good operating and housekeeping practices.

IN ACCORDANCE WITH: Application to Construct an Air Pollution Source received January 16, 1990, additional information received March 15 and 19, 1990, and Public Notice of Intent issued May 22, 1990 and published June 5, 1990 in the Broward Review (none are attached).

LOCATED AT: 20701 Pembroke Road, Pembroke Pines, Broward County, Florida.

TO SERVE: A recycling/composting facility (SIC # 4953).

SUBJECT TO: General Conditions 1-14. and Specific Conditions 1-14.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under the conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in the permit, the permittee shall immediately notify and provide the Department with the following information:

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

GENERAL CONDITIONS:

9. In accepting this permit, the permittee understands and agrees that all records, test results, monitoring data and other information relating to the construction or operation of the permitted source which are submitted to the Department, may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. The permittee shall comply with the following :

(a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically, unless otherwise stipulated by the Department.

(b) The permittee shall hold at the facility or other location designated by this permit, records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

(c) Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be submitted or corrected promptly.

PERMITTEE:
Mr. Joseph A. Jameson
Neuter Recycling of Florida, Inc.
embroke Pines, Florida

I.D. NUMBER: 50/BRO/06/2109
PERMIT/CERTIFICATION NUMBER: AC 06-174995
DATE OF ISSUE: NOV 19 1990
EXPIRATION DATE: February 28, 1992

SPECIFIC CONDITIONS:

1. Application for a permit to operate shall be submitted to the Department at least sixty (60) days prior to the expiration of this permit, but in no case more than fourteen (14) days after commencement of operation. In no case shall a source be operated without an appropriate operating permit. The Certification of Completion of Construction, DER Form 17-1.202(3) may be submitted in lieu of the application for a permit to operate.

2. Emission limiting standards are as follows:

- a) In accordance with Florida Administration Code Rule 17-2.610(1)(b) - No person shall cause, let, permit, suffer or allow the emission of particulate matter through a stack or vent from any air pollutant source subject to this section in excess of the amount shown in Table 610-1 or the following formula:

$$E = 17.32P^{0.16} \text{ where}$$

P is the process rate and is greater than 30 tons/hr.

E is the emission rate in pounds/hr.

- b) In accordance with Florida Administrative Code (F.A.C.) Rule 17-2.610(2)(a): No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere any air pollutants from new, or existing, sources with an opacity greater than or equal to 20% opacity.
- c) In accordance with Florida Administrative Code Rule 17-2.610(3)(a) - No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any source whatsoever, including, but not limited to vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrially related activities such as loading, unloading, storing or handling, without taking reasonable precautions to prevent such emission.
- d) In accordance with Florida Administrative Code Rule 17-2.620(2) - No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

3. The compliance test report shall include results of tests by the following method:

<u>Source/Emission Point</u>	<u>Pollutant</u>	<u>Test Method</u>
Coarse Processing Baghouse	Particulate	EPA Method 5
	Visible Emissions	EPA Method 9
Fine Processing Baghouse	Particulate	EPA Method 5
	Visible Emissions	EPA Method 9

The compliance test report shall be submitted to the Department in accordance with Florida Administrative Code (F.A.C.) Rule 17-2.700(7).

4. The compliance test report shall provide the following information on the air pollution control devices and other information as indicated:

- a. General condition of equipment (e.g., date of last thorough inspection and result of that inspection). Also note any deficiencies/problems, with the equipment which occur during testing,
- b. Normal generating parameters of the equipment and the actual operation parameters for each test run (indicate how each parameter was determined).
- 1) Pressure drop across the baghouse
 - 2) Baghouse inlet temperature
 - 3) Process rate

PERMITTEE:

Mr. Joseph A. Jameson
Auto Recycling of Florida, Inc.
Melbourne Pines, Florida

I.D. NUMBER: 50/BRO/06/2109

PERMIT/CERTIFICATION NUMBER: AC 06-174995

DATE OF ISSUE: NOV 19 1990

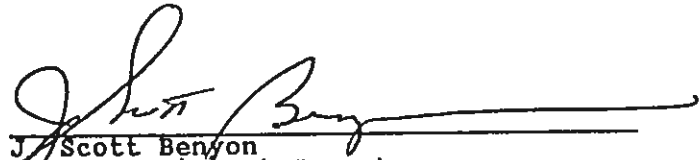
EXPIRATION DATE: February 28, 1992

SPECIFIC CONDITIONS:

5. Testing of emissions should be conducted using the fuel and/or process input which are expected to result in the highest emissions and within ten percent (10%) of the rated capacity of the source, otherwise the Department may require the test to be repeated or require modification of the permit to reflect tested rates and/or fuels.
6. The Department shall be notified of expected test dates at least fifteen (15) days prior to compliance testing.
7. On or before March 1 of each calendar year, a completed DER Form 17-1.202(6), Annual Operations Report Form for Air Emissions Sources shall be submitted to the Department.
8. Copies of all reports, tests, notifications or other submittals required by this permit shall be submitted to both the Department of Environmental Regulation, Southeast District Office and Broward County Environmental Quality Control Board.
9. Unconfined emissions of particulate shall be controlled by the following means:
 - a. Paved parking and trafficked areas shall be maintained and kept free of particulate matter build-up.
 - b. Landscaping or planting of vegetation.
10. The permittee shall test the exhaust gases from the baghouses for airborne bacteria.
11. The permittee shall notify DER & Broward County Environmental Quality Control Board of any equipment failure or malfunction that may generate odor emissions.
12. In addition to the compliance tests required by rule, the permittee shall submit a performance evaluation report after 60 days of operation. This report should be a joint effort between vendor and operator.
13. The permittee shall keep a log with the following:
 - a) equipment malfunctions and solutions and
 - b) maintenance schedules
14. The permittee shall be aware of and operate under the attached "General Permit Conditions #1 thru #14." General Permit Conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.

Issued this 19th day of November, 1990

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION


J. Scott Benyon
Deputy Assistant Secretary



BROWARD COUNTY ENVIRONMENTAL QUALITY CONTROL BOARD

500 S.W. 14th Court
Fort Lauderdale, FL 33315
(305) 765-4900

SOLID WASTE LICENSE

APPLICANT:

REUTER RECYCLING OF FLA., INC.
c/o MR. JOSEPH A. JAMESON, P.E.
1721 NW 103 AVENUE
POMPANO PINES, FL 33026

LICENSE NO. SWCO 90-2001

**PROJECT: PEMBROKE PINES FACILITY
SOLID WASTE COMPOSTING
PLANT**

This license is issued under the provisions of the Code of Regulations of the Broward County Environmental Quality Control Board hereinafter called the Code. The above named applicant, hereinafter called licensee, is hereby authorized to perform the work or operate the facility shown on the approved drawing(s), plans, documents and specifications, as submitted by applicant, and made a part hereof and specifically described as follows:

Construct and operate a Solid Waste Composting Plant with materials recovery processing 667 tons per day, expandable to 1000 tons per day. Municipal Solid Waste will be processed by initial sorting, primary screening, hand picking, magnetic separation, shredding, mixing, screening, composting, fine treatment, and ballistic separation. Recyclable materials including cardboard, ferrous metals, plastic, aluminum, and glass will be recovered for sale. Hazardous waste will not be processed but will be properly stored and disposed. Nonprocessable waste and reject material will be properly disposed in an approved sanitary landfill.

In accordance with the Application Form 17-7., 130(1), supporting documents, plans and additional information submitted.

The project is located approximately 5/8 miles east of U.S. 27 on Pembroke Road, Section 23, Township 51S, Range 39E.

GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth herein are accepted by the licensee and enforceable by the EQCB pursuant to Chapter 27 of the Broward County Environmental Quality Control Board (EQCB) Code. The EQCB will review this license periodically and may revoke the license, initiate administrative and/or judicial action for any violation of the conditions by the licensee, its agents, employees, servants or representatives.
2. This license is valid only for the specific uses set forth in the license application and any deviation from the approved uses may constitute grounds for revocation and enforcement action by the EQCB.
3. In the event the licensee is temporarily unable to comply with any of the conditions of the license, the licensee shall notify the PCO within twelve (12) hours. Within five (5) working days of the event, the licensee shall submit a written report to the PCO that describes the incident, its cause, the measures being taken to correct the problem and prevent its reoccurrence, the owner's intention toward repair, replacement, and reconstruction of destroyed facilities, and a schedule of events leading toward operation within the license conditions.
4. The issuance of this license does not convey any vested rights or exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any violations of federal, state or local laws or regulations.
5. This license must be available for inspection on licensee's premises during the entire life of the license.
6. By accepting this license, the licensee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, that are submitted to the EQCB, may be used by the EQCB as evidence in any enforcement proceeding arising under EQCB rules and regulations, except where such use is prohibited by Section 403.111, Florida Statutes.
7. The licensee agrees to comply with Chapter 27, Code of Regulations of the EQCB.
8. Any new owner of a licensed facility shall apply by letter for a transfer of license within thirty (30) days after sale or legal transfer. The transferor shall remain liable for performance in accord with the license until the transferee applies for and is granted transfer of license.
9. The licensee, by acceptance of this license, specifically agrees to allow access to the licensed source at reasonable times by EQCB personnel for the purposes of inspection and testing to determine compliance with this license and EQCB rules and regulations.
10. This license does not constitute a waiver of or approval of any other license that may be required for other aspects of the total project.
11. If the licensee wishes to renew the license or extend its term, he shall make application sixty (60) days prior to its expiration.
12. In addition to the general conditions set forth above, each license issued by the EQCB shall contain specific conditions determined by site conditions and requirements pursuant to the regulations as determined by the PCO. Licensee agrees that specific conditions are enforceable by the EQCB for any violation thereof.

License No. SWCO 90-2001

APPLICANT: REUTER RECYCLING OF FLORIDA, INC.

SPECIFIC CONDITIONS:

1) The Licensee shall retain the engineer of record to supervise the construction of the project. Within 30 days of the completion of construction, the engineer shall submit signed and sealed as-built drawings and his signed and sealed statement that the completed project is constructed in accordance with the approved plans and application.

2) Odors shall be strictly controlled at all times. If odors are determined to be a problem, the Licensee shall promptly take any and all actions necessary to correct the situation.

3) The Licensee shall submit a monthly report to the EQCB, no later than the 15th day of the succeeding month. The report shall include the following information:

Quantity of Solid Waste Received (in tons)
Quantity of Non-Processable Waste Landfilled (in tons)
Quantity of Solid Waste Recycled by Type (in tons)
Quantity of Compost Produced (in tons)
Quantity of Compost Removed from Site (in tons)

4) No discharge of process water, leachate, condensate or truck wash water to ground or surface water is allowed.

5) No discharge of process water, leachate, or condensate to sanitary sewer is allowed without the prior written approval of the EQCB.

6) No raw or finished compost or solid waste shall be stored outside at any time.

7) All hazardous waste shall be removed from the waste stream, properly segregated and stored and properly disposed of in a timely manner.

8) All non-processable waste and reject material shall be disposed of in an approved lined sanitary landfill.

9) All solid waste received at the site shall be processed within 72 hours of its receipt at the facility.

10) All compost shall be processed to achieve an internal temperature of at least 55°C for a minimum of 15 consecutive days and shall be stabilized prior to discharge from the compost hanger.

11) Finished compost shall be sampled and analyzed quarterly (January, April, July, October) for:

% Reduction in Organic Matter
Moisture content
Nitrogen

Phosphorus

Potassium

pH

Cadmium

Copper

Lead

Nickel

Zinc

Fecal Couform

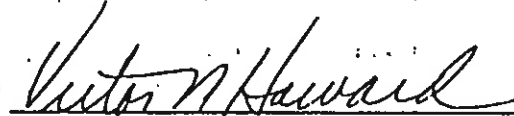
The analysis results shall be reported to the EQCB within 60 days of sampling.

12) A COPY OF THIS LICENSE SHALL BE KEPT ON SITE DURING ALL PHASES OF LICENSED CONSTRUCTION.

Expiration Date: May 31, 1992

Issued this 31st day of May, 1990

Broward County Environmental
Quality Control Board



VICTOR N. HOWARD, P. E.
POLLUTION CONTROL OFFICER

S90-2001



BROWARD COUNTY ENVIRONMENTAL QUALITY CONTROL BOARD

500 S.W. 14th Court
Fort Lauderdale, Florida 33315
(305) 765-5881

AIR SECTION

621 S. Andrews Avenue
Fort Lauderdale, Florida 33301
(305) 765-4436

EFFECTIVE JANUARY 7, 1991
EQCB BECOMES OFFICE OF
NATURAL RESOURCE PROTECTION

Air License

LICENSE TO CONSTRUCT AN AIR POLLUTION SOURCE ISSUED UNDER THE PROVISIONS OF BROWARD COUNTY ENVIRONMENTAL QUALITY CONTROL BOARD CODE OF REGULATIONS, CHAPTERS 27-3 AND 27-4, AND FLORIDA ADMINISTRATIVE CODE, CHAPTER 17-2.

LICENSE NO. AC-26556 DATE OF ISSUE January 14, 1991
DATE OF EXPIRATION February 28, 1992

LICENSE ISSUED TO: NAME Reuter Recycling, of Florida, Inc.

ADDRESS 20701 Pembroke Rd.

TELEPHONE Pembroke Pines, Fl 330295

TO BE KNOWN AS (301) 436-6196

TO BE LOCATED AT Same as above
Same as above

FOR THE Construction of particulate matter control equipment
associated with a composting and recycling facility to
process municipal solid waste, as described in attachment

WORK SCHEDULE 20 hrs/day; 7 days/wk; 52 wks/yr

EMISSION LIMITING STANDARDS Broward County Code, Chapter 27-4
FAC Rule 17-2.610(1)(b); 17-2.610(3)(a);
17-2.620(2); 17-2.610(2)(a)

IN ACCORDANCE WITH THE LICENSE APPLICATION WHICH IS CONSIDERED PART OF THIS LICENSE. THIS LICENSE IS SUBJECT TO ALL FLORIDA STATE, BROWARD COUNTY AND LOCAL LAWS, REGULATIONS, RULES, AND THE CONDITIONS ATTACHED HERETO.

POST THIS LICENSE IN A PROMINENT PLACE ON THE PLANT PREMISES.

Victor N. Howard PE 1/14

Victor N. Howard, P.E.
Pollution Control Officer

FACILITY DESCRIPTION

1. The recycling/composting facility consists of:

Receiving Area
Coarse Treatment Area
Fermentation Area
Fine Treatment Area
Compost Storage/Loadout Area

2. Plant processing capacity: 667 tons/day - 1000 tons/day

3. Particulate matter emissions generated at the Coarse Treatment Area and Fine Treatment Area are controlled by two Buhler-Miag reverse pulse jet baghouses.

Odor emissions from the Coarse Screening Area are reduced by negative air pressure on the screening drums and by good operation and housekeeping practices.

Odor emissions from the Fermentation Area are reduced by discharging exhaust through 4 biofilters, controlled aerobic decomposition, daily processing of compostable materials, good operation and house keeping procedures.

LICENSEE: Reuter Recycling
Of Florida, Inc.

LICENSE NO: AC-26556
DATE OF ISSUE: January 14, 1991
EXPIRATION DATE: February 28, 1992

GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth herein are accepted by the licensee and enforceable by the Office of Natural Resource Protection pursuant to Chapter 27 of the Broward County Code. The Office of Natural Resource Protection will review this license periodically and may revoke the license, initiate administrative and/or judicial action for any violation of the conditions by the licensee, its agents, employees, servants or representatives.
2. This license is valid only for the specific uses set forth in the license application and any deviation from the approved uses may constitute grounds for revocation and enforcement action by the Office of Natural Resource Protection.
3. In the event the licensee is temporarily unable to comply with any of the conditions of the license, the licensee shall notify the PCO within 12 hours. Within 5 working days of the event, the licensee shall submit a written report to the PCO that describes the incident, its cause, the measures being taken to correct the problem and prevent its reoccurrence, the owner's intention toward repair, replacement, and reconstruction of destroyed facilities, and a schedule of events leading toward operation within the license condition.
4. The issuance of this license does not convey any vested rights or exclusive privileges, nor does it authorize any injury to public or private property or any invasion of personal rights, or any violations of federal, state or local laws or regulations.
5. This license must be available for inspection on licensee's premises during the entire life of the license.
6. By accepting the license, the licensee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, that are submitted to the Office of Natural Resource Protection, may be used by the Office of Natural Resource Protection as evidence in any enforcement proceeding arising under Office of Natural Resource Protection rules and regulations, except where such use is prohibited by Section 403.111, Florida Statutes.
7. The licensee agrees to comply with Chapter 27, Code of Broward County.

LICENSEE: Reuter Recycling
of Florida, Inc.

LICENSE NO: AC-26556

GENERAL CONDITIONS (Continued)

8. Any new owner of a licensed facility shall apply by letter for a transfer of license within thirty (30) days after sale or legal transfer. The transferor shall remain liable for performance in accordance with the license until the transferee applies for, and it is granted a transfer of license.
9. The licensee, by acceptance of this license, specifically agrees to allow access to the licensed source at reasonable times by Office of Natural Resource Protection personnel for the purpose of inspection and testing to determine compliance with this license and Broward County rules and regulations.
10. This license does not constitute a waiver or approval of any other license that may be required for other aspects of the total project.
11. If the licensee wishes to renew the license or extend its term, he shall make application 60 days prior to its expiration. Expired licenses are not renewable.
12. In addition to the general conditions set forth above, each license issued by the Office of Natural Resource Protection shall contain specific conditions determined by site conditions and requirements pursuant to the regulations as determined by the PCO. Licensee agrees that specific conditions are enforceable by the Office of Natural Resource Protection for any violation thereof.
13. When requested by the Office of Natural Resource Protection, the licensee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the license. If the licensee becomes aware that relevant facts were not submitted or were incorrect in the license application or in any report to the Office of Natural Resource Protection, such facts or information shall be submitted or corrected promptly.

LICENSEE: Reuter Recycling of Florida, Inc.

LICENSE NO: AC-26556

ISSUE DATE: January 14, 1991

EXPIRATION DATE: February 28, 1992

SPECIFIC CONDITIONS

1. This license to construct has been issued under the provisions of Broward County Environmental Quality Control Board Code of Regulations, Chapter 27-3 and 27-4 and in accordance with the Application to Construct an Air Pollution Source dated: April 19, 1990.
2. Application for a license to operate shall be submitted to the Environmental Quality Control Board at least 60 days prior to the expiration date of this license, but no more than 120 days after commencement of operation.

A copy of the Certificate of Completion of Construction submitted to the Department of Environmental Regulation, Southeast District, will be accepted as an application for a license to operate.

The following documents are required to be submitted with the application for a license to operate:

- a) A compliance test report, as required under Specific Conditions #4, 5, and 6 to document the capability of the equipment to meet the specifications of the above mentioned Specific Conditions.
- b) A 90-day operation performance evaluation report to confirm the ability of the facility to operate in compliance with Specific Condition #3.c). The report shall provide information as outlined in Appendix A.

The conclusions of the operation performance evaluation report shall be made part of the operation license.

3. Emission limitation standards are as follows:

- a) In accordance with Florida Administrative Code Rule 17-2.610(1)(b) - No person shall cause, let, permit, suffer or allow the emission of particulate matter through a stack or vent, from any air pollutant source in total quantities in excess of the amounts shown in the Process Weight Table (Table 610-1) or calculated using the following equation for process weight rates in excess of 30 tons per hour:

$$E = 17.31 \times P^{0.16}$$

Where: E = Emissions in pounds per hour
P = Process weight rate in tons per hour

- b) In accordance with Florida Administrative Code Rule 17-2.610(2)(a) - No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere any air pollutants from new or existing sources with an opacity greater than or equal to 20%.
- c) In accordance with Florida Administrative Code Rule 17-2.620(2) - No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
- d) In accordance with Florida Administrative Code Rule 17-2.610(3)(a) - No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any source whatsoever, including, but not limited to, vehicular movement, transportation materials, construction, alteration, demolition or wrecking, or industrially related activities such as loading, unloading, storing or handling, without taking reasonable precautions to prevent such emissions, including the following:
- Paving and maintenance of roads, parking areas and yards.
 - Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar sources.
 - Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the source to prevent re-entrainment.

4. In accordance with Florida Administrative Code Rule 17-2.700(2)(a)1 - The owner or operator of a new source that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining an operation license.

Testing emissions should be conducted using the fuel and/or process input which are expected to result in the highest emissions and within 10% of the rated capacity of the source; otherwise, the test may have to be repeated or the license will be modified to reflect tested rates and/or fuels.

5. The emissions from the two baghouses shall be tested by the following test methods:

Particulate Matter	EPA Method 5
Visible Emissions	EPA Method 9

6. The compliance test report shall provide the following information on the air pollution control devices and other information as indicated:
 - a) General condition of equipment (e.g., date of last thorough inspection and result of that inspection). Also note any deficiencies/problems with the equipment which occur during testing.
 - b) Normal operation parameters of the equipment and the actual operation parameters for each test run (indicate how each parameter was determined):
 - Pressure drop across the baghouse
 - Baghouse inlet temperature
 - Process rate
7. The test report shall be submitted as soon as possible but no later than 45 days after the testing.
8. The Office of Natural Resource Protection shall be notified of the expected test dates at least 15 days prior to testing.
9. The processing of hazardous waste or biological waste is prohibited.
10. On or before March 1 of each calendar year, a completed DER Form 17-1.202(6), Annual Operations Report Form for Air Emissions Sources, shall be submitted to the Office.

11. If baghouse operation failure is observed, the segment of the process which is affected will be shut down until the malfunction is corrected.
12. In case of fan failure in the composting area, odor emissions will be controlled by not turning the windrows until the ventilation system is back on line.
13. The licensee shall monitor and record all operation parameters as established in the Operation Evaluation Report on a daily basis. These data will be kept on site and made available for inspection upon request.
14. The licensee shall keep records and report quarterly: equipment malfunctions, duration of malfunction, effects of malfunction upon particulate matter and odor emissions, corrective action taken.
15. The licensee shall provide any other data deemed necessary to ascertain that the source is operating in an acceptable manner.
16. In accordance with the Broward County Code, Chapter 27-4.03:
 - a) Concealment - No person shall build, erect, install, or use any article, machine, equipment or other contrivance the use of which will conceal an emission which would otherwise constitute a violation of any of the provisions of this Chapter.
 - b) Circumvention - No person shall circumvent any air pollution device, or allow the emissions of air pollutants without the applicable air pollution control device operating properly.
 - c) Maintenance - All air pollution control devices and systems shall be properly and constantly maintained in order to maintain emissions in compliance with the license requirements.

F.A.C. RULE 17-2

Interpolation of the data in Table 610-1 for the process weight rates up to 30 tons per hour shall be accomplished by the use of the equation: $E=3.59p^{0.62}$, where P is less than or equal to 30 tons per hour; and interpolation and extrapolation of the data for process weight rates in excess of 30 tons per day/hour shall be accomplished by use of the equation: $E = 17.31p^{0.10}$, where P is greater than 30 tons per hour. Where: E = Emission in pounds per hour, P = Process Weight rate in tons per hour.

PROCESS WEIGHT TABLE
TABLE 610-1

RATE (Tons Per Hour)	EMISSION RATE (Pounds Per Hour)
.025	0.36
.050	0.56
.250	1.52
.50	2.34
2.50	6.34
5	9.74
10	14.97
30	29.57
40	31.23
60	33.33
80	34.90
100	36.17
200	40.41
500	46.79

OPERATION PERFORMANCE EVALUATION REPORT

A. OPERATION

The report shall provide daily records of:

1. Date, time and duration of operation
2. Amount of waste received
3. Amount of waste processed
4. Significant operation parameters at each work area as related to potential particulate matter or odor emissions, including but not limited to:
 - composting area (duration of composting cycle, aeration schedule, temperature, moisture, carbon dioxide content)
 - baghouses (optimum pressure drop)
 - biofilters (residence time, moisture content, exhaust volume)
 - compost storage, etc.
5. Malfunctions occurred, time and duration, particulate matter and/or odor emissions generated by the malfunction, time and duration of emissions, corrective measures taken, results of measures taken.
6. Cleaning and maintenance schedule.

B. ODOR EMISSIONS AND CONTROL

1. The report shall contain a comprehensive odor control strategy, including, but not limited to the following aspects:
 - optimum operation parameters for each work area as related to potential odor emissions
 - an inventory of potential odor sources
 - equipment reliability (odor control system, conveyor systems, other equipment)
 - standby equipment, backup power, spare parts

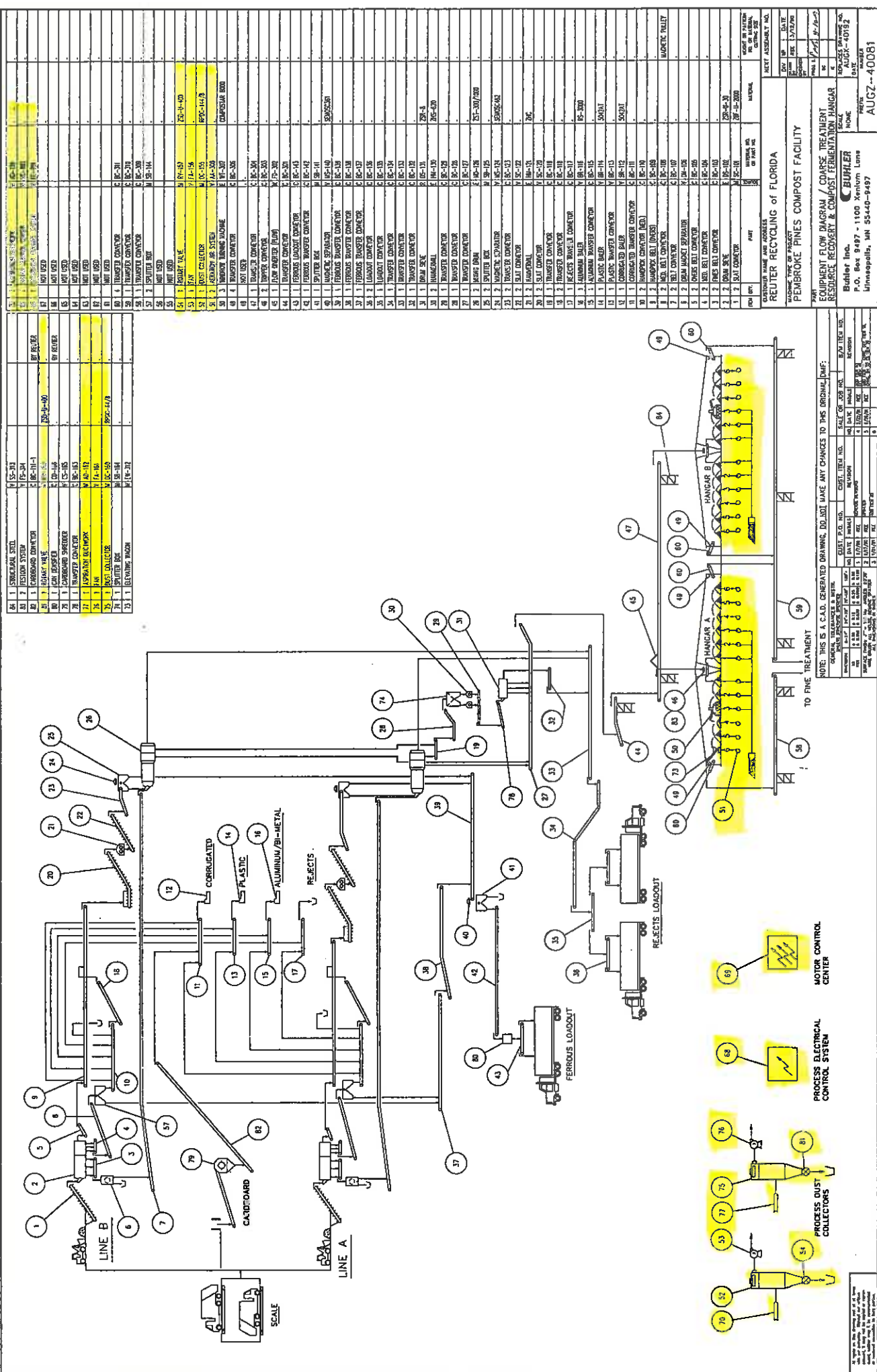
- study of odor dispersal characteristics at the facility site under worst-case weather conditions
2. The report shall contain a daily odor survey at the property limit, providing the following information:
- time and location
 - odors detected/not detected.

If odors are detected provide the following:

- odor source and characterization
 - odor evaluation - when odors are detected and the odor source is located, samples of air will be collected and analyzed for odorous constituents.
 - wind direction
 - actions taken to minimize odor emission, response time, effectiveness of action taken
3. The report shall contain a contingency plan to handle odor emissions and odor related citizen complaints. This plan shall contain, as appropriate, provisions for:
- reduce operation rates
 - shutdown of segments of the process or of the entire process
 - completely contain the odor generating process to allow for efficient collection and treatment of odorous gases
 - identify the specific odor causing compounds and install additional odor control equipment to treat those specific compounds
 - increase air volume to improve odor dispersion
 - establish a public relations program

B. MISCELLANEOUS

1. The report shall contain a contingency plan to handle receipt of unacceptable waste, receipt of hazardous waste production of excess product and product which does not meet specifications.
2. The report shall contain a contingency plan to handle scheduled and unscheduled facility shutdown.
3. The report shall contain a plan to train operators.





EQUIPMENT NO.: DC-155

QUANTITY: 1

EQUIPMENT TYPE: Dust Collector

SIZE: RPDC-144/8

FUNCTION: For collecting dust generated by plant equipment and processes.

APPROXIMATE DIMENSIONS: Length: 8'-0"
Width: 8'-0"
Height: 20'-0"

APPROXIMATE WEIGHT: 8,000 LBS.

INCLUDING:

- Heavy gauge steel housing with service doors.
- 16 oz. polyester bags.
- Quick-open access door to dusty air plenum.
- External compressed air reservoir.
- Solid-state sequencing timer is standard, protected by dust tight, water proof enclosure.
- Mounting brackets, structural steel support legs with service platform and ladder.
- Clean air outlet oriented to meet customer requirements.
- Reinforced wire mesh grid under bags for safety of personnel and to keep larger objects out of bin or hopper.
- Quick release bag clamps.
- Pressure differential gauge.
- Access port on clean side.
- Hopper access port.
- Assembly requirements:

Shipped in major sub-assemblies, must assemble filter housing, outlet hopper, support legs and bags at jobsite.

ITEM NO.: 46

EQUIPMENT NO.: FA-156

QUANTITY: 1

EQUIPMENT TYPE: Fan

SIZE: Phelps C-245

FUNCTION: Exhaust fan for aspiration air.

APPROXIMATE DIMENSIONS:

APPROXIMATE WEIGHT: 2,000 Lbs.

INCLUDING:

- Welded steel housing, support frame.
- Drive consisting of TEFC motor, 460/3/60 including sheaves, V-belts, guards, 40 HP.
- Assembly requirements:
 - Shipped completely assembled, including drive.

ITEM NO.: 47

EQUIPMENT NO.: RV-157

QUANTITY: 1

EQUIPMENT TYPE: Rotary Valve

SIZE: ZSD-U-400

FUNCTION: Regulation of dust discharge from screw conveyor.

APPROXIMATE DIMENSIONS: Length: 36"
Width: 18"
Height: 24"

APPROXIMATE WEIGHT: 1,000 Lbs.

INCLUDING:

- Cast housing with fabricated rotor. With chain drive, enclosed drive guard, inlet and outlet adapters and a 1 HP gearmotor, TEFC. With sidemount motor bracket. With inlet/outlet hopper.
- Assembly requirements:
- Shipped completely assembled less drive.

EQUIPMENT NO.: AD-159

QUANTITY: 1

EQUIPMENT TYPE: Aspiration Ductwork

FUNCTION: To convey the dust particles collected from the process equipment to the dust collector.

INCLUDING:

- 16 gauge steel construction
- All necessary straight duct, elbows, wye-branches, machine connections, transitions, flanges, adaptors, flexible connections, and clamps.

Complete assembly required at jobsite.

Does not include hangars or supports.

EQUIPMENT NO.: DC-160

QUANTITY: 1

EQUIPMENT TYPE: Dust Collector

SIZE: RPDC-64/8

FUNCTION: For collecting dust generated by plant equipment and processes.

APPROXIMATE DIMENSIONS: Length: 5'-8"
Width: 5'-8"
Height: 16'-4"

APPROXIMATE WEIGHT: 6,000 LBS.

INCLUDING:

- Heavy gauge steel housing with service doors.
- 16 oz. polyester bags.
- Quick-open access door to dusty air plenum.
- External compressed air reservoir.
- Solid-state sequencing timer is standard, protected by dust tight, water proof enclosure.
- Mounting brackets, structural steel support legs with service platform and ladder.
- Clean air outlet oriented to meet customer requirements.
- Reinforced wire mesh grid under bags for safety of personnel and to keep larger objects out of bin or hopper.
- Quick release bag clamps.
- Pressure differential gauge.
- Access port on clean side.
- Hopper access port.
- Assembly requirements:

Shipped in major sub-assemblies, must assemble filter housing, outlet hopper, support legs and bags at jobsite.

EQUIPMENT NO.: FA-161

QUANTITY: 1

EQUIPMENT TYPE: Fan

SIZE: Phelps C-245

FUNCTION: Exhaust fan for aspiration air.

APPROXIMATE DIMENSIONS:

APPROXIMATE WEIGHT: 2,000 Lbs.

INCLUDING:

- Welded steel housing, support frame.
- Drive consisting of TEFC motor, 460/3/60 including sheaves, V-belts, guards, 25 HP.
- Assembly requirements:

Shipped completely assembled, including drive.

ITEM NO.: 51

EQUIPMENT NO.: AD-162

QUANTITY: 1

EQUIPMENT TYPE: Aspiration Ductwork

FUNCTION: To convey the dust particles collected from the process equipment to the dust collector.

INCLUDING:

- 16 gauge steel construction
- All necessary straight duct, elbows, wye-branches, machine connections, transitions, flanges, adaptors, flexible connections, and clamps.

ITEM NO.: 55

EQUIPMENT NO.: RV-167

QUANTITY: 1

EQUIPMENT TYPE: Rotary Valve

SIZE: ZSD-U-400

FUNCTION: Regulation of dust discharge from screw conveyor.

APPROXIMATE DIMENSIONS: Length: 36"
Width: 18"
Height: 24"

APPROXIMATE WEIGHT: 1,000 Lbs.

INCLUDING:

- Cast housing with fabricated rotor. With chain drive, enclosed drive guard, inlet and outlet adapters and a 1 HP gearmotor, TEFC. With sidemount motor bracket. With inlet/outlet hopper.

- Assembly requirements:

Shipped completely assembled less drive.

EQUIPMENT NO.: AA-308

QUANTITY: 4

TYPE: Aeration System

FUNCTION: Provide oxygen to the compost windrows during non-turning times to maintain aerobic conditions, and exhausting the suction air through earth filters to remove odor and particulate in the exhaust air.

APPROXIMATE DIMENSIONS:

APPROXIMATE WEIGHT:

INCLUDING:

- Three (3) centrifugal fan packages for sucking air through the windrow. Fan is driven by a TEFC motor including V-belt, sheaves, and guard. (20 HP).
- Three (3) centrifugal fan packages for blowing air through the windrow. Fan is driven by a TEFC motor including V-belt, sheaves, and drive guards. (5 HP).
- Interconnecting ductwork between aeration channels in the compost hangar floor and fan packages including dampers, fittings, couplings, etc.
- Assembly required.

Fans shipped completely assembled including drives.

Ductwork shipped in standard lengths.

EQUIPMENT NO.: DC-516

QUANTITY: 1

EQUIPMENT TYPE: Dust Collector

SIZE: RPDC-144/8

FUNCTION: For collecting dust generated by plant equipment and processes.

APPROXIMATE DIMENSIONS: Length: 8'-0"
Width: 81'-0"
Length: 20'-0"

APPROXIMATE WEIGHT: 8,000 LBS.

INCLUDING:

- Heavy gauge steel housing with service doors.
- 16 oz. polyester bags.
- Quick-open access door to dusty air plenum.
- External compressed air reservoir.
- Solid-state sequencing timer is standard, protected by dust tight, water proof enclosure.
- Mounting brackets, structural steel support legs with service platform and ladder.
- Clean air outlet oriented to meet customer requirements.
- Reinforced wire mesh grid under bags for safety of personnel and to keep larger objects out of bin or hopper.
- Quick release bag clamps.
- Pressure differential gauge.
- Access port on clean side.
- Hopper access port.
- Assembly requirements:

Shipped in major sub-assemblies, must assemble filter housing, outlet hopper, support legs and bags at jobsite.

Plant instrument air required.

EQUIPMENT NO.: RV-517

QUANTITY: 1

EQUIPMENT TYPE: Rotary Valve

SIZE: ZSD-U-400

FUNCTION: For controlling flow from dust collector

APPROXIMATE DIMENSIONS: Length: 36"
Width: 18"
Height: 24"

APPROXIMATE WEIGHT: 1,000 LBS.

INCLUDING:

- Heavy duty cast construction, cast plow shaped edge at inlet to avoid pinching and cutting of material even under choke fed conditions.
- Disc spring maintains proper bearing load & compensates for thermal expansion.
- Outboard roller bearings
- Drive consisting of reducer with TEFC motor, 460/3/60, including drive chain, sprockets and guard. 1 HP.
- No assembly required.

EQUIPMENT NO.: FA-518

QUANTITY: 1

EQUIPMENT TYPE: Fan

SIZE: Phelps C-222

FUNCTION: Exhausting Aspiration Air

APPROXIMATE DIMENSIONS: Length: 75"
Width: 65"
Height: 72"

APPROXIMATE WEIGHT:

INCLUDING:

- Welded steel housing, support frame.
- Drive consisting of TEFC motor, 460/3/60, including sheaves, V-belts, guards.
30 HP.
- No assembly required.

ITEM NO.: 88

EQUIPMENT NO.: AD-519

EQUIPMENT TYPE: Aspiration Ductwork

SIZE:

FUNCTION: To convey the dust particles collected from the process equipment to the dust collector.

APPROXIMATE DIMENSIONS:

APPROXIMATE WEIGHT:

INCLUDING:

- 16 gauge steel construction.
- All necessary straight duct, elbows, wye-branches, machine connections, transitions, flanges, adaptors, flexible connections, and clamps.
- Complete assembly of components required at jobsite.

Not Including:

Duct work supports and hangars

EQUIPMENT NO.: EC-991

QUANTITY: 1

EQUIPMENT TYPE: Electrical Control Panel

FUNCTION: Main electrical control panel for both processing lines.

INCLUDING:

The main control panel is a NEMA-12, 3 door, floor mounted panel with the following features:

- Silkscreened graphic representation of the process.
- Pilot lights to indicate motor condition, valve and diverter position, pressure, level, temperature.
- Lamp test for all pilot lights.
- Maint-Off-Auto selector switches for all motors.
- Selector switches for all valves/diverters.
- Alarm horn, silence pushbutton for system alarms.
- Terminal blocks for all field wiring connections.
- Texas Instruments programmable controller for system control.

NOTE: Customer must furnish the following power sources to the motor control cabinet: 120 VAC, 1PH, 60 HZ.

BUHLER INC. STANDARD ELECTRICAL COMPONENT LIST

Beowulf	- Load cells
Buchanan	- Terminal blocks, modular fuse blocks
Cutler-Hammer	- Starters, machine tool relays, pushbuttons, operators, motor control centers
Edwards	- Alarm horns, signal devices
Hevi-Duty	- Transformers
Hoffman Eng.	- Enclosures
Idec	- Relay sockets
Marathon	- Fuse blocks, power splitters
Mid-Tex	- Plug-in 3PDT relays
Sylvania	- Pilot lights
Texas Inst.	- Programmable controllers
Westinghouse	- Circuit breakers, door disconnects

EQUIPMENT NO.: MC-992

EQUIPMENT TYPE: Motor Control Center

FUNCTION: Electrical Motor Control of all Processing Equipment.

INCLUDING:

- A NEMA 12 motor control center housing all motor starters, motor branch circuit protection, main disconnect, and control power transformer with distribution panel. Local MAINT-OFF-AUTO switches mounted in NEMA 12 enclosures will be provided for each machine.
- A simplified silkscreened graphic representation of the process.
- Pilot lights to indicate motor condition, zero speed, pressure, level.
- Lamp test for all pilot lights.
- Zone start/stop pushbuttons.
- Alarm horn, silence pushbutton for system alarms.
- Terminal blocks for all field wiring connections.
- Emergency stop switch.
- Texas Instruments programmable controller for system control.

Loose piece items provided: Selector switches mounted in enclosures (1 for each motor).

NOTE: Customer must furnish the following power sources to the motor control center: 460 VAC, 3PH, 60 HZ.

BUHLER INC. STANDARD DOCUMENTATION

1. Graphic panel layout
2. Electrical ladder logic diagram
3. Single line power diagram
4. PLC annotated ladder logic print out (annotation per BI standard)
5. PLC cross reference

BUHLER INC. STANDARD ELECTRICAL COMPONENT LIST

Buchanan	- Terminal blocks, modular fuse blocks
Cutler-Hammer	- Starters, machine tool relays, pushbuttons, operators, motor control centers
Edwards	- Alarm horns, signal devices
Hevi-Duty	- Transformers
Hoffman Eng.	- Enclosures
Idec	- Relay sockets
Marathon	- Fuse blocks, power splitters
Mid-Tex	- Plug-in 3PDT relays
Sylvania	- Pilot lights
Texas Inst.	- Programmable controllers
Westinghouse	- Circuit breakers, door disconnects

EQUIPMENT NO.: EC-993

QUANTITY: 1

EQUIPMENT TYPE: Electrical Control Panel

FUNCTION: Main electrical control panel for both processing lines.

INCLUDING:

The main control panel is a NEMA-4, 3 door, floor mounted panel with the following features:

- Silkscreened graphic representation of the process.
- Pilot lights to indicate motor condition, valve and diverter position, pressure, level, temperature.
- Lamp test for all pilot lights.
- Maint-Off-Auto selector switches for all motors.
- Selector switches for all valves/diverters.
- Alarm horn, silence pushbutton for system alarms.
- Terminal blocks for all field wiring connections.
- Texas Instruments programmable controller for system control.

NOTE: Customer must furnish the following power sources to the motor control cabinet: 120 VAC, 1PH, 60 HZ.

BUHLER INC. STANDARD ELECTRICAL COMPONENT LIST

Beowulf	- Load cells
Buchanan	- Terminal blocks, modular fuse blocks
Cutler-Hammer	- Starters, machine tool relays, pushbuttons, operators, motor control centers
Edwards	- Alarm horns, signal devices
Hevi-Duty	- Transformers
Hoffman Eng.	- Enclosures
Idec	- Relay sockets
Marathon	- Fuse blocks, power splitters
Mid-Tex	- Plug-in 3PDT relays
Sylvania	- Pilot lights
Texas Inst.	- Programmable controllers
Westinghouse	- Circuit breakers, door disconnects

EQUIPMENT NO.: MC-994

EQUIPMENT TYPE: Motor Control Center

FUNCTION: Electrical Motor Control of all Processing Equipment.

INCLUDING:

- A NEMA 12 motor control center housing all motor starters, motor branch circuit protection, main disconnect, and control power transformer with distribution panel. Local MAINT-OFF-AUTO switches mounted in NEMA 12 enclosures will be provided for each machine.
- A simplified silkscreened graphic representation of the process.
- Pilot lights to indicate motor condition, zero speed, pressure, level.
- Lamp test for all pilot lights.
- Zone start/stop pushbuttons.
- Alarm horn, silence pushbutton for system alarms.
- Terminal blocks for all field wiring connections.
- Emergency stop switch.
- Texas Instruments programmable controller for system control.

Loose piece items provided: Selector switches mounted in enclosures (1 for each motor).

NOTE: Customer must furnish the following power sources to the motor control center: 460 VAC, 3PH, 60 HZ.

BUHLER INC. STANDARD DOCUMENTATION

1. Graphic panel layout
2. Electrical ladder logic diagram
3. Single line power diagram
4. PLC annotated ladder logic print out (annotation per BI standard)
5. PLC cross reference

BUHLER INC. STANDARD ELECTRICAL COMPONENT LIST

Buchanan	- Terminal blocks, modular fuse blocks
Cutler-Hammer	- Starters, machine tool relays, pushbuttons, operators, motor control centers
Edwards	- Alarm horns, signal devices
Hevi-Duty	- Transformers
Hoffman Eng.	- Enclosures
Idec	- Relay sockets
Marathon	- Fuse blocks, power splitters
Mid-Tex	- Plug-in 3PDT relays
Sylvania	- Pilot lights
Texas Inst.	- Programmable controllers
Westinghouse	- Circuit breakers, door disconnects

304.3 Condensate/Leachate

- (a) The compost windrows are inside a roofed hangar with paved floor. Moisture content in the windrows is never high enough to where water would precipitate out. Also, because the windrows are weather protected, leaching of storm water is not a concern. However, the moisture in the air which is drawn through the pile can condense in the aeration channel in the floor. The channel is sloped to a sump area with pump to capture the condensate and reuse it in the composting process.

304.4 Odor

- (a) Odor is controlled in fermentation area by:

- (1) Aeration of the windrows

- (aa) Controlled aerobic decomposition, along with adequate amounts of oxygen in the compost pile, results in a minimum amount of odor emission from the process.
 - (bb) To enhance odor control, the air from the suction windrow aeration system will be passed through a diatomaceous earth filter prior to its return to the outside atmosphere.
 - (cc) The earth filter acts as a wet scrubber, removing odorous particulate and compounds before discharging the air to the atmosphere.

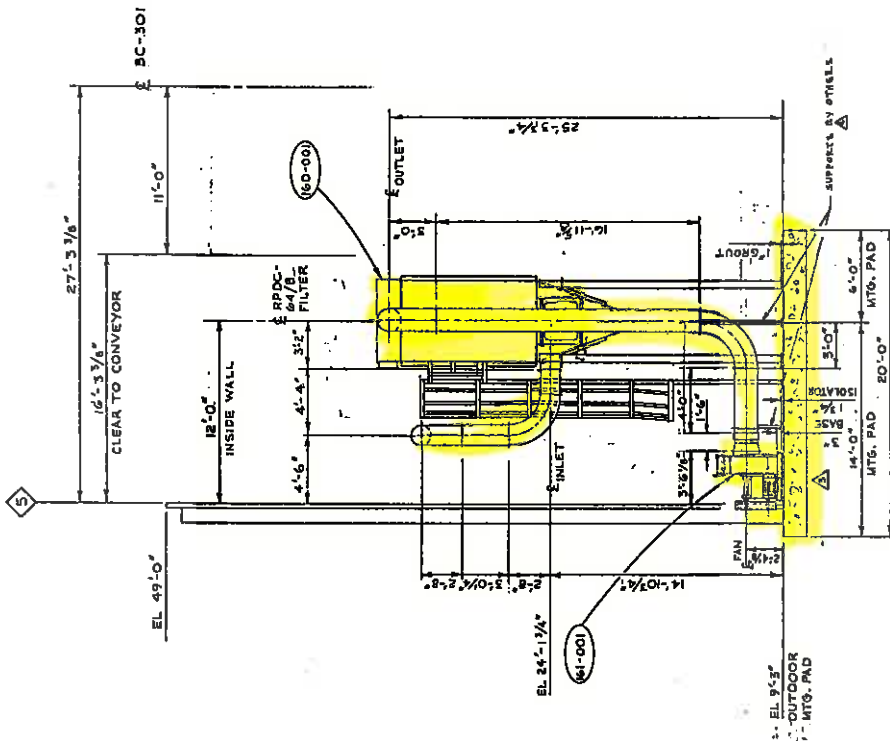
(dd) The earth filter is composed of several filter media options, including: a composition of 20% compost, 40% fibrous peat, and 40% wood shavings; or 100% bark. Filter media sits atop a bed of gravel within which a perforated PVC pipe network is placed. Depending on operating conditions, local weather conditions, and the specific mixture of components used as filter media, the earth filter can be expected to provide service from one to five years after which time the filter media would be replaced.

(2) Daily processing of compostable materials and good housekeeping practices will minimize odor generation.

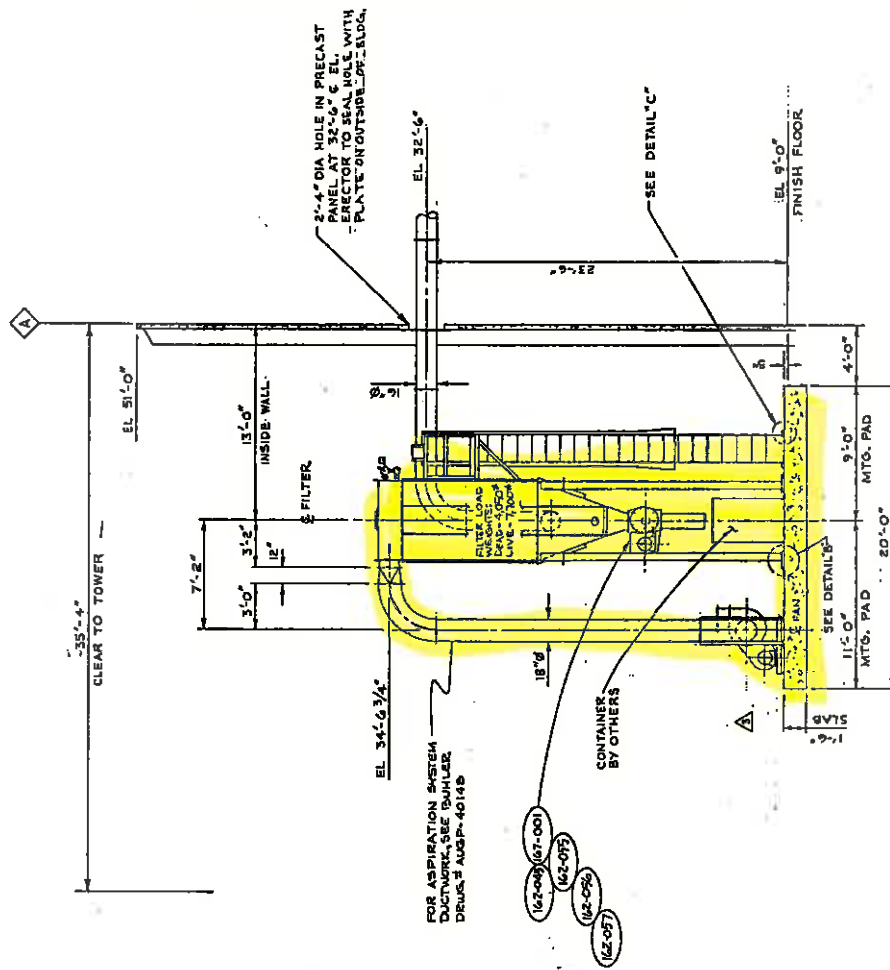
305.0 Fine Treatment

305.1 Screening

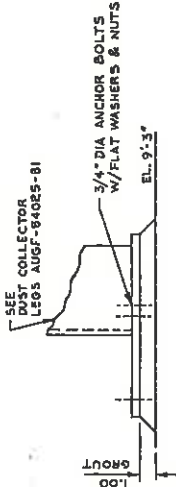
- (a) After a retention in the fermentation area, for approximately six weeks (42 days), the compost is ready for fine treatment. The compost from the last windrow is loaded automatically, with a specially designed machine which evenly meters the compost onto a transfer conveyor belt, and conveys it to a screening drum in fine treatment.
- (b) This screening drum separates the compost into fine, medium and reject fractions. The fine fraction is that portion up to 3/8" (10 mm), in two dimension, mediums are from 3/4" (10 mm) to 1 1/2" (40 mm), in two dimensions, and reject is that fraction greater than 1 1/2" (40 mm).
- (c) The screening process is intended to remove undesirable sized material such as plastic, glass and other large objects from the compost.
- (d) The fine fraction, minus 3/8" (10 mm), is virtually finished compost.
- (e) The medium fraction, 3/8" (10 mm) to 1 1/2" (40 mm), is conveyed to secondary shredding for further size conditioning.



46A ELEVATION
LOOKING SOUTH



46B ELEVATION
LOOKING EAST

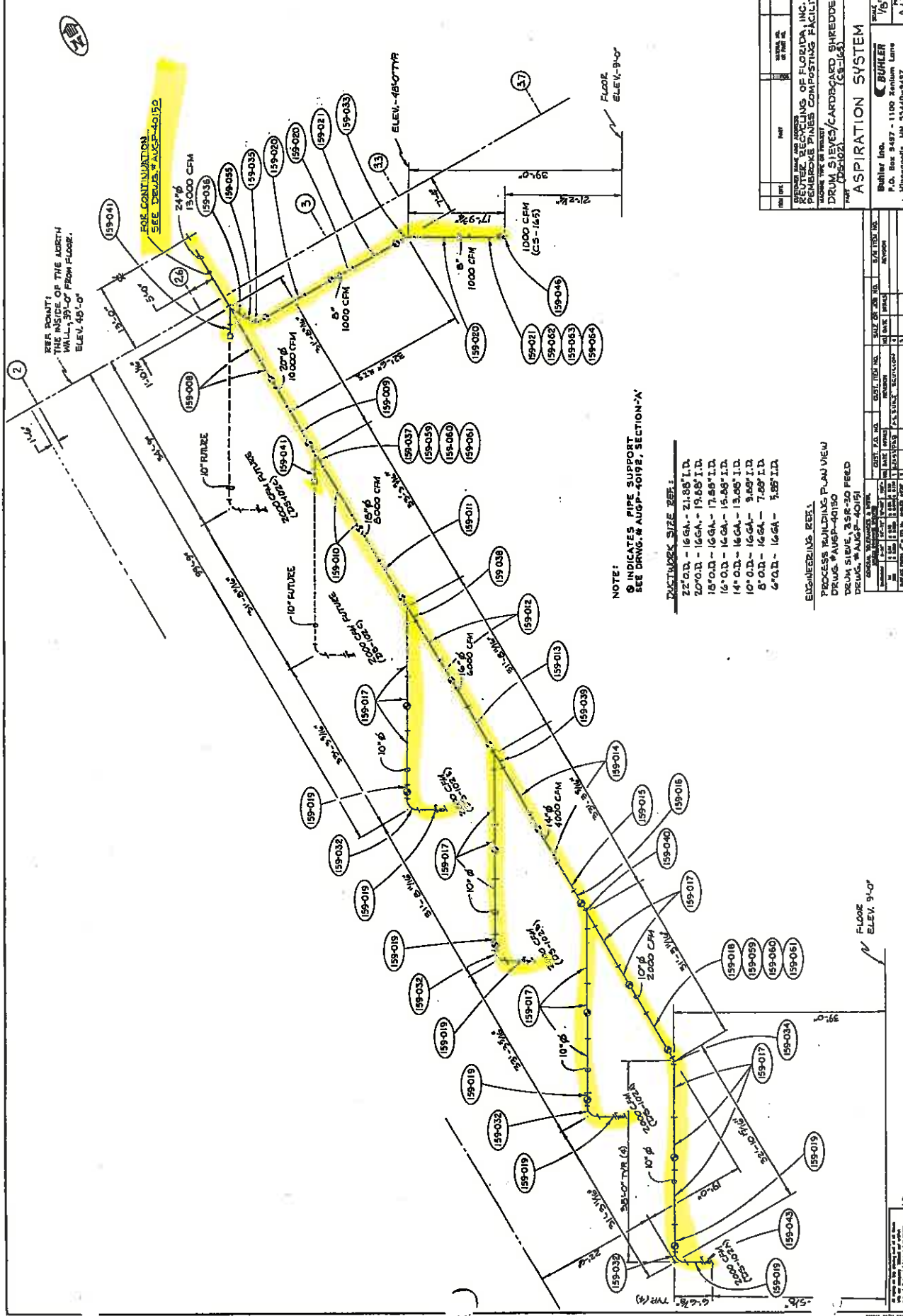


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3		11/11/11	JM			ISSUED FOR CONSTRUCTION
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REUTER RECYCLING OF FLORIDA, INC.
PEMBROKE PINES FACILITY
DUST COLLECTOR LAYOUT
DUST COLLECTOR (DC-160) / FAN (161)
ASPIRATION SYSTEM

BUHLER INC.
P.O. Box 9497 - 1100 Xenium Lane
Minneapolis, MN 55440-9497
1/4" = 1'-0"

BUHLER INC.
P.O. Box 9497 - 1100 Xenium Lane
Minneapolis, MN 55440-9497
1/4" = 1'-0"



NOTE:
 ① INDICATES PIPE SUPPORT
 SEE DRWG. # AUGP-40192, SECTION 'A'

PIPEWORK SIZE REF:

22" O.D. - 16 GA. - 21.85' I.D.
20" O.D. - 16 GA. - 19.85' I.D.
18" O.D. - 16 GA. - 17.85' I.D.
16" O.D. - 16 GA. - 15.85' I.D.
14" O.D. - 16 GA. - 13.85' I.D.
12" O.D. - 16 GA. - 11.85' I.D.
10" O.D. - 16 GA. - 9.85' I.D.
8" O.D. - 16 GA. - 7.85' I.D.
6" O.D. - 16 GA. - 5.85' I.D.

ENGINEERING REEL
 PROCESS BUILDING PLAN VIEW
 DRUM # AUGP-40190
 TRUM # AUGP-40191
 DRUMS, # AUGP-40192

NO.	DATE	BY	CHKD	DESCRIPTION
1	10/1/81	J. L. H.	J. L. H.	ISSUED FOR CONSTRUCTION
2	10/1/81	J. L. H.	J. L. H.	REVISION
3	10/1/81	J. L. H.	J. L. H.	REVISION

PROJECT NO.	159-109
PROJECT NAME	ASPIRATION SYSTEM
CLIENT	BUHLER
ADDRESS	P.O. Box 9487 - 1100 Zenium Lane Minneapolis, MN 55440-9487
DATE	10/1/81
BY	J. L. H.
CHKD	J. L. H.
DATE	10/1/81
PROJECT NO.	AUGP-40149

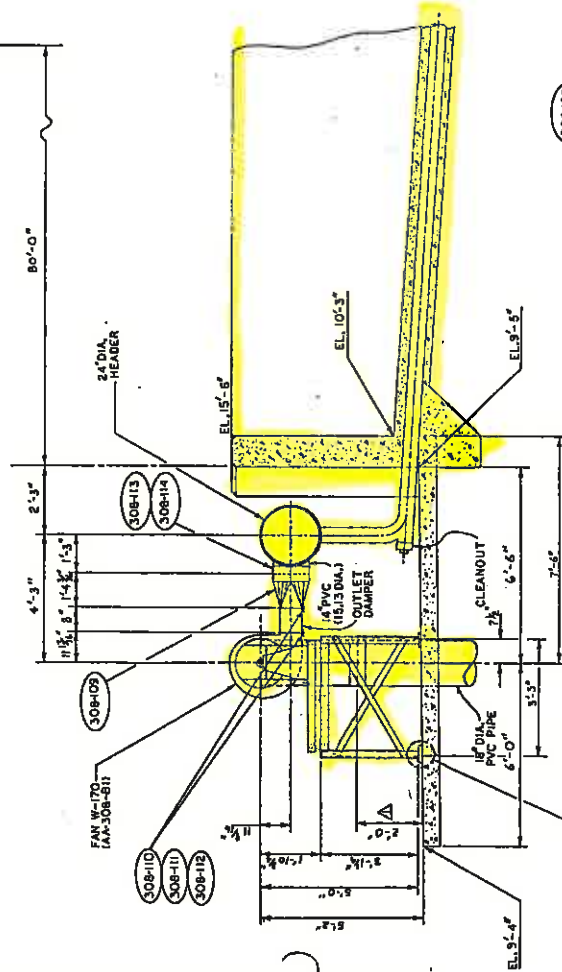
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[illegible][illegible]

CITE W/REAS ACC /
ENC. REF. AUG. 74, 40140

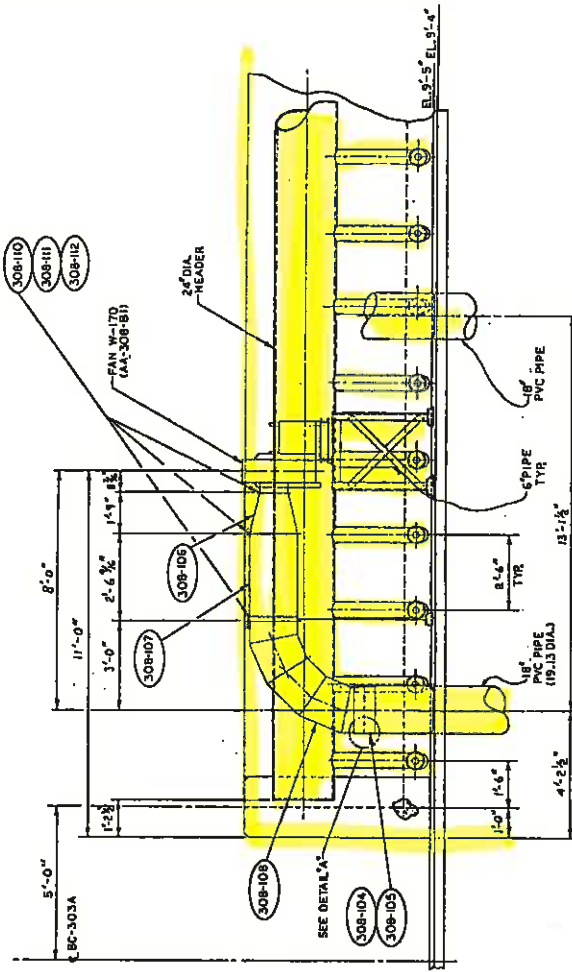


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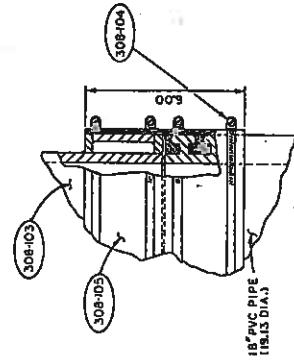


SECTION VIEW C
LOOKING SOUTH

NOTES:
1. FOR GENERAL NOTES SEE DWG. AUGP-40192



SECTION VIEW D
LOOKING WEST



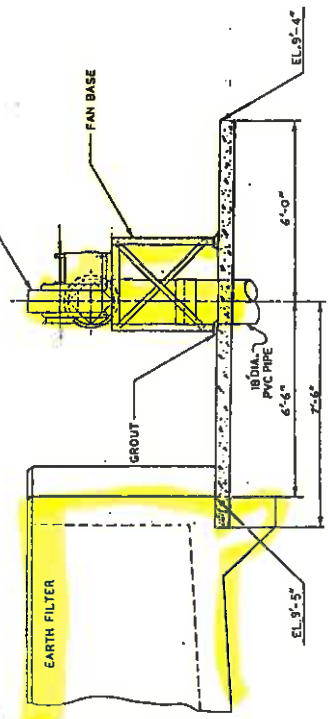
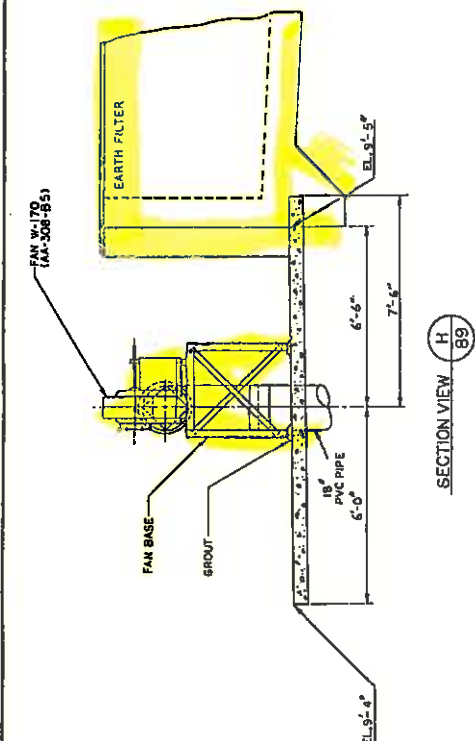
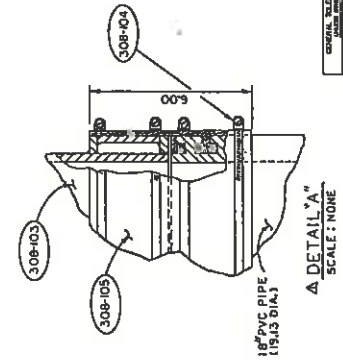
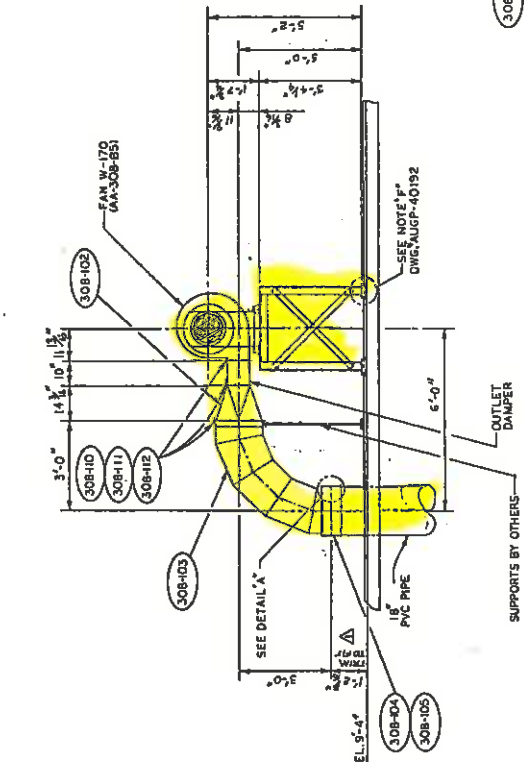
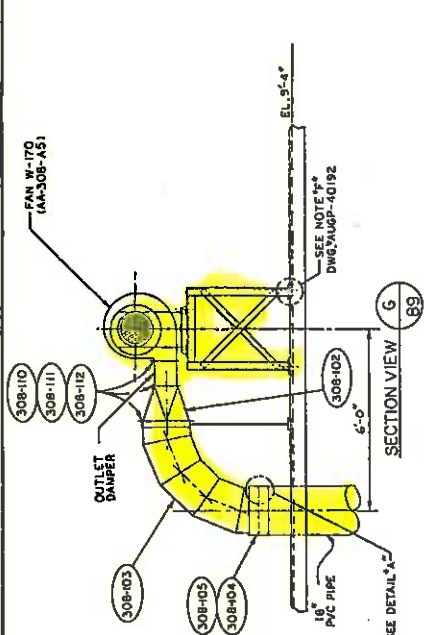
DETAIL A
SCALE: NONE

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REV	DATE	BY	CHKD	APP'D	DESCRIPTION
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REV	DATE	BY	CHKD	APP'D	DESCRIPTION
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19	11/13/90	LR			REVISED PER FIELD
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NOTES:
1. FOR GENERAL NOTES SEE DWG AUGP-40192

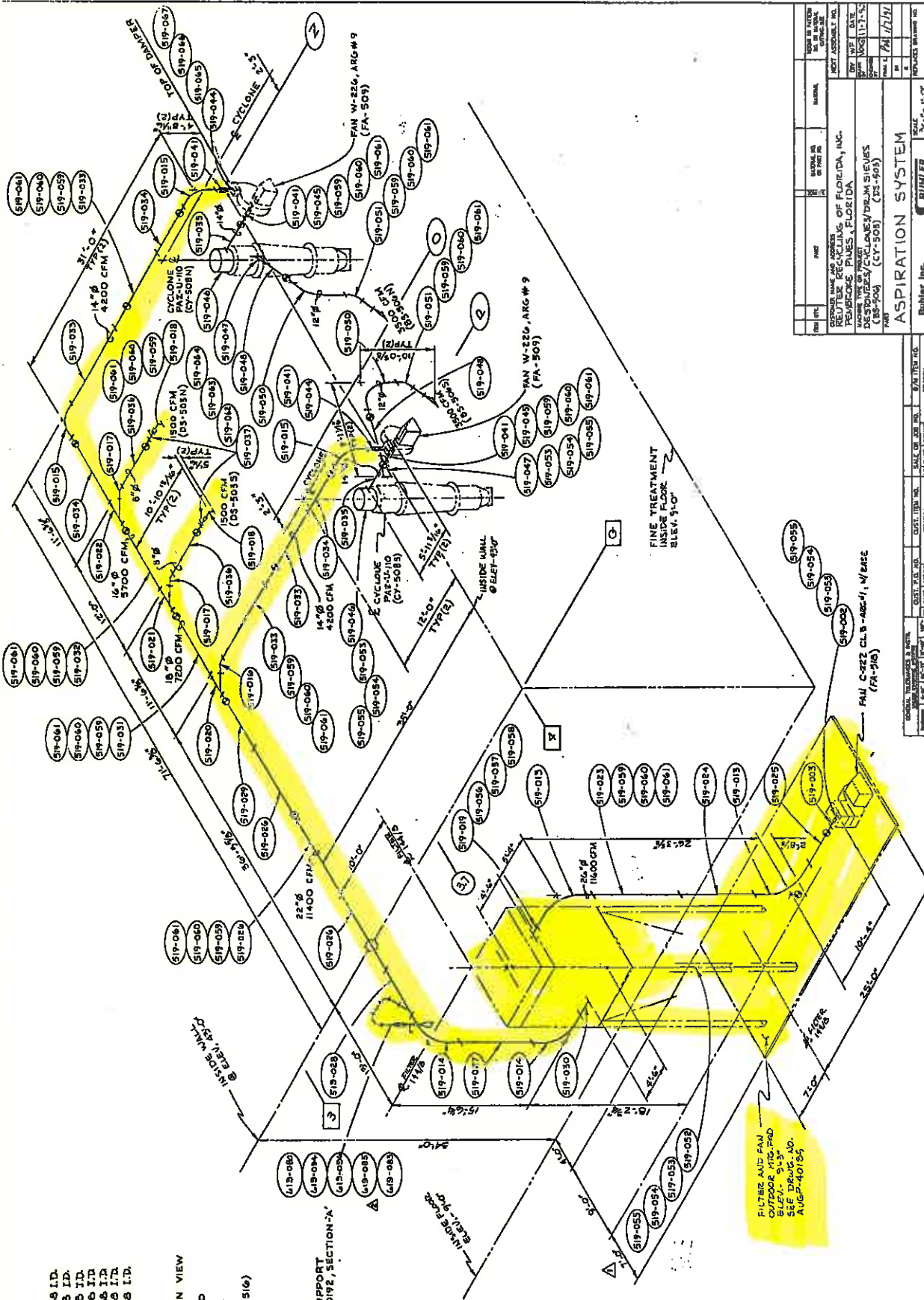
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		QUANTITY NAME AND ADDRESS BLOWER FAN, COMPOSTING HANGER			
		ITEM	QTY	PRICE	TOTAL
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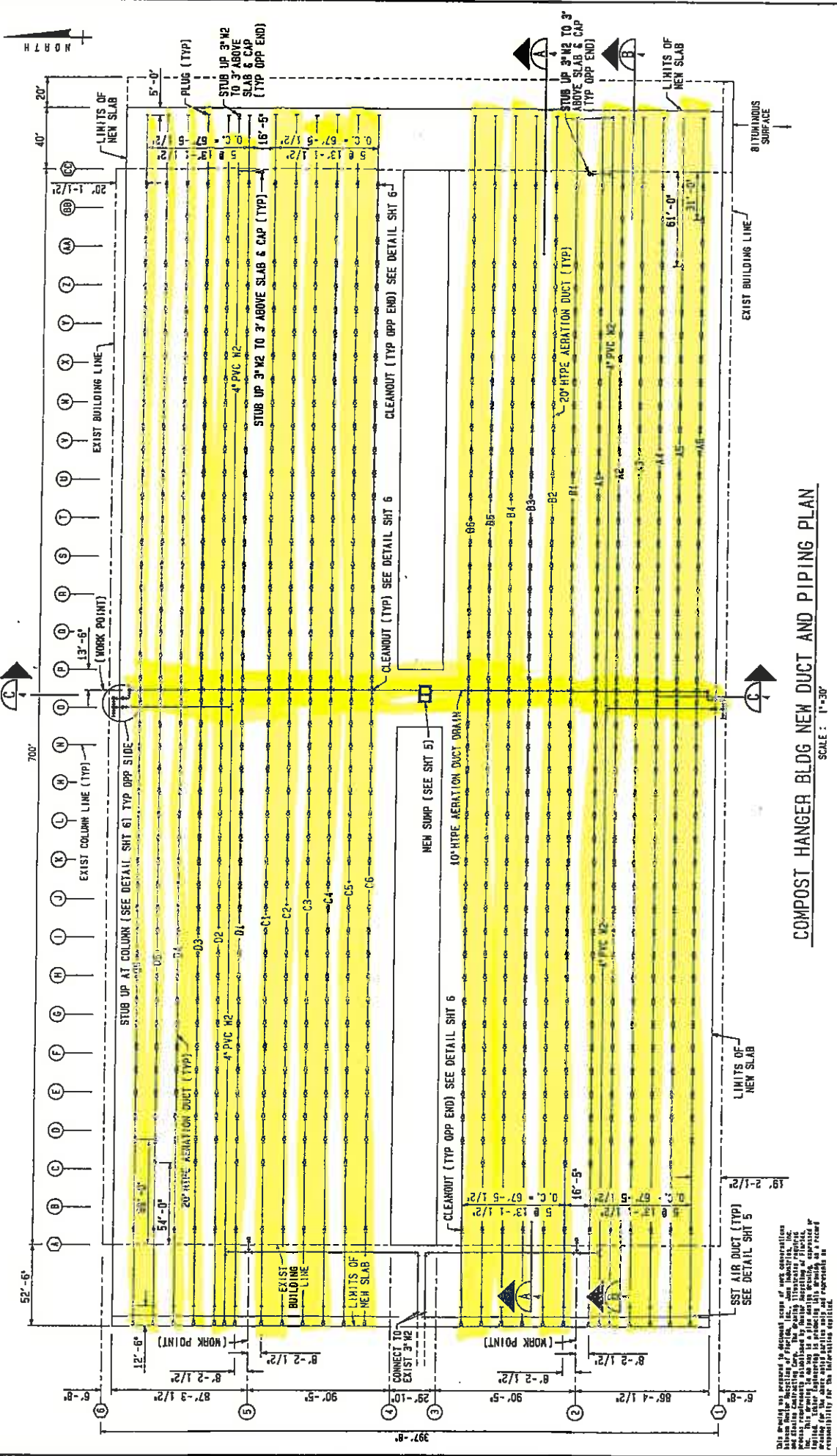
CUSTOMER NAME AND ADDRESS PEARMORE PINEAPPLE FACILITY 1100 N. 11th Ave. Marietta, GA 30067-1100	PROJECT NO. 35440-8477	DRAWING NO. AUGP-40189
DATE 11/15/89	BY J. L. Smith	CHECKED J. L. Smith
SCALE 1/2" = 1'-0"	TITLE BLOWER FAN, COMPOSTING HANGER	PROJECT 35440-8477

26° 0.0. - 16 6A. - 25.58 I.D.
22° 0.0. - 16 6A. - 21.88 I.D.
18° 0.0. - 16 6A. - 17.58 I.D.
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14° 0.0. - 16 6A. - 15.88 I.D.
12° 0.0. - 16 6A. - 11.88 I.D.
8° 0.0. - 16 6A. - 7.88 I.D.

1. FINE TREATMENT PLAN VIEW
DWS, # AUGP-40132
2. FINE TREATMENT FEED
DWS, # AUGP-40179
3. DRUM SIEVE, ZSR-14
DWS, # AUGP-40180
4. DUST COLLECTOR (DC-516)
DWS, # AUGP-40185
5. COMPOST REMOVAL
DWS, # AUGP-40181

NOTE:
⊕ INDICATES PIPE SUPPORT
SEE DRWG. # AUGP-40192, SEC

[illegible][illegible]

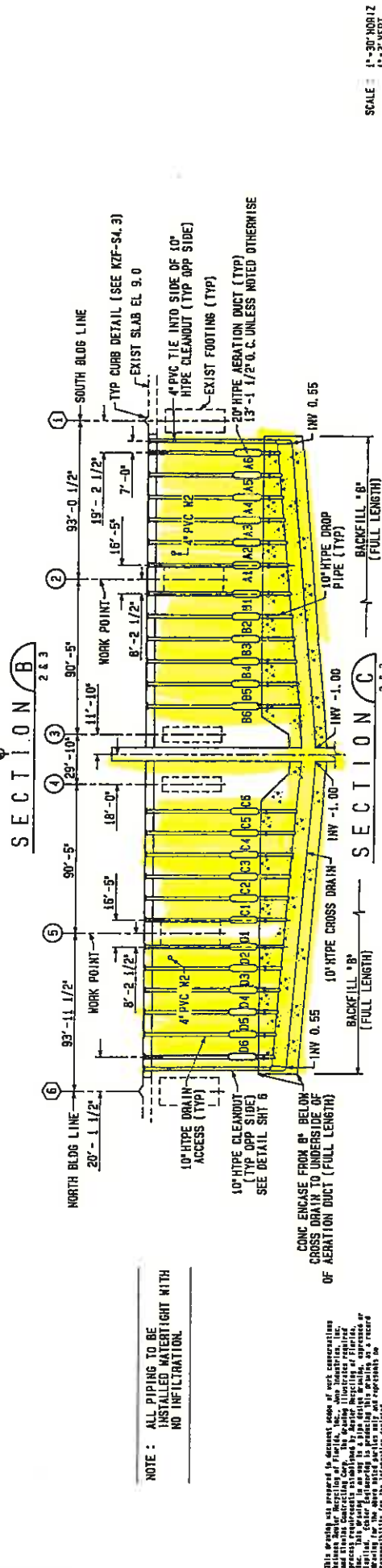
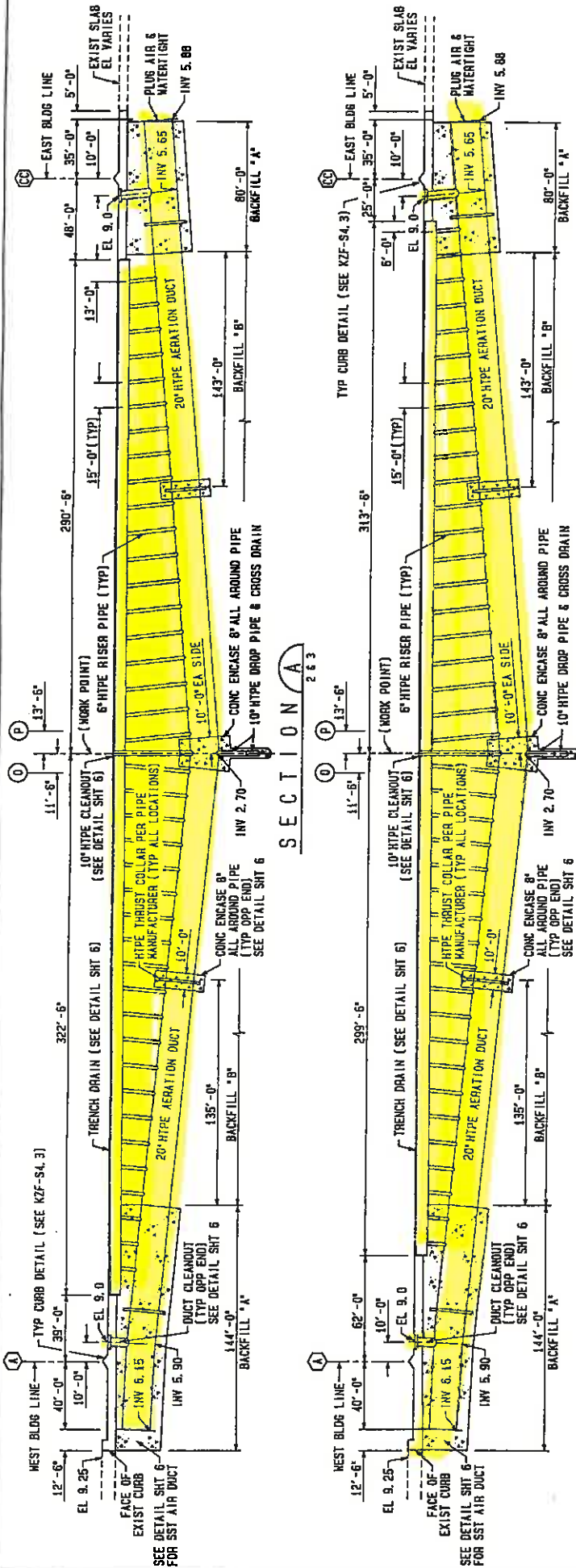


COMPOST HANGER BLDG NEW DUCT AND PIPING PLAN

SCALE: 1"=30'

This drawing is prepared to document scope of work construction and design. It is not to be used for any other purpose without the written consent of Eckler Engineering. The design is the property of Eckler Engineering and shall remain confidential. This drawing is not to be used for any other purpose without the written consent of Eckler Engineering. The design is the property of Eckler Engineering and shall remain confidential.

 ECKLER ENGINEERING	SEAL	CONSULTANT	DRAWING SCALE		DATE	BY	APP	REVISION	DATE	BY	APP	REUTER RECYCLING SOLID WASTE RECYCLING FACILITY	PIPING RECONSTRUCTION PLAN	DWG NO. 1001				DWG NO. 1001				DWG NO. 1001				DWG NO. 1001			
			DATE											DATE				DATE				DATE							
			DATE											DATE				DATE				DATE							
			DATE											DATE				DATE				DATE							



NOTE : ALL PIPING TO BE INSTALLED MATERTIGHT WITH NO INFILTRATION.

This drawing was prepared in accordance with the latest edition of the American National Standards Institute (ANSI) standards for engineering drawings. It is the responsibility of the engineer to ensure that the drawing is in accordance with the latest edition of the standards. The engineer is not responsible for the construction of the project or for the performance of the project.

SCALE : 1"=30' HORIZ 1"=3' VERT

DATE : JUN 10, 1993

PROJECT : REUTER RECYCLING FACILITY

NEW DUCT AND PIPING PROFILE

REUTER RECYCLING FACILITY

SOLID WASTE RECYCLING FACILITY

REVISIONS

DATE

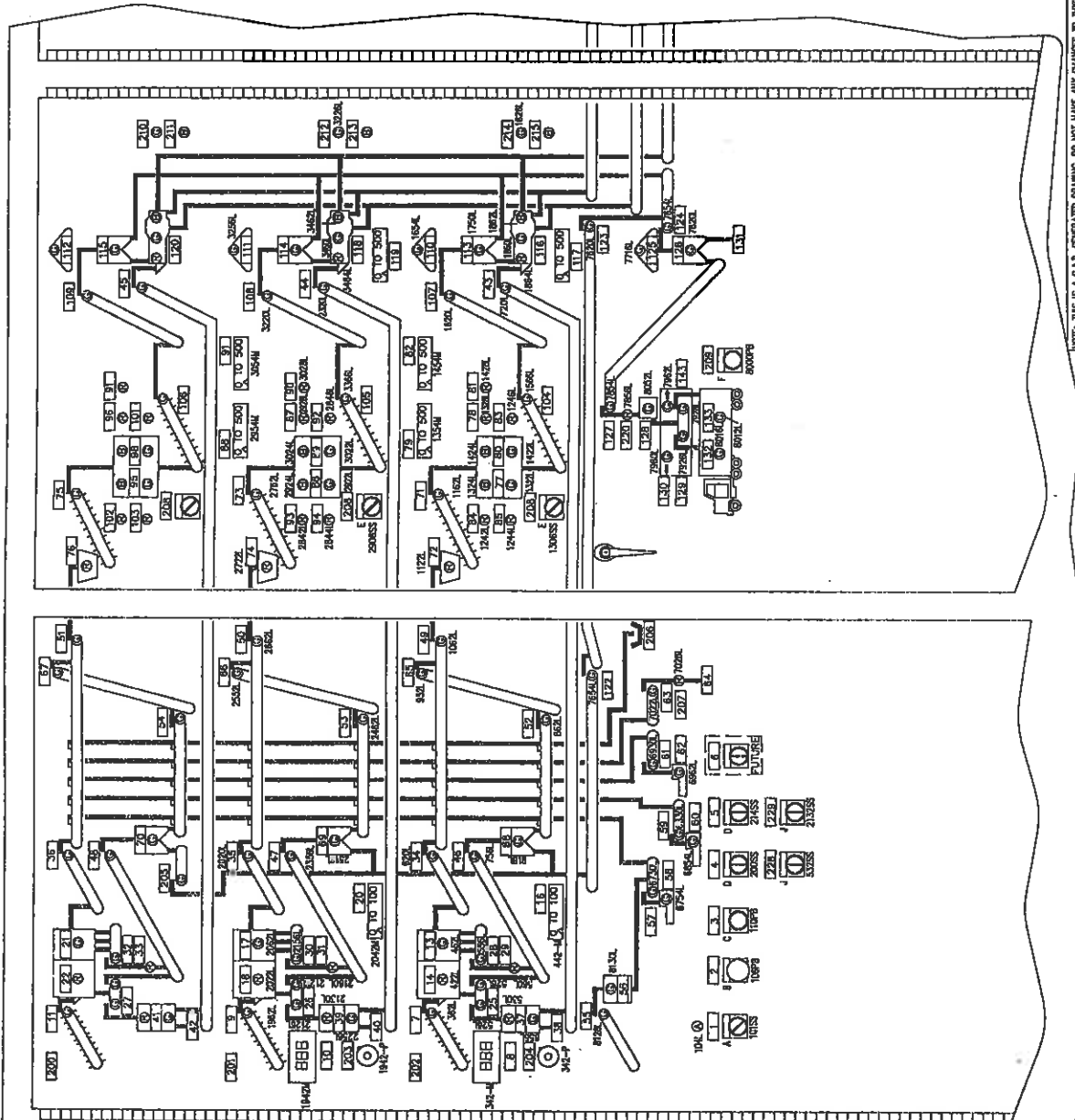
BY

APP'D

CONSULTANT

SEAL

ECKLER ENGINEERING



- LEGEND PLATES
- A - OFF / ON (1)
 - B - PULL / ON (2)
 - C - MASTER START (1)
 - D - SERVICE / OFF / INTERLOCK (2)
 - E - FORWARD / REVERSE (2)
 - F - STOP (2)
 - G - START (2)
 - H - SELECT (2)
 - J - NORMAL / BYPASS (4)
 - K - A / B (1)
 - L - C / D (1)
 - M - A / B / C (1)
 - N - START A (1)
 - O - STOP A (1)
 - P - INTERRUPT A (1)
 - Q - START B (1)
 - U - STOP B (1)
 - R - INTERRUPT B (1)
 - S - RESET (1)
 - T - SILENCE (1)
 - W - TEST (1)
 - X - EAST / BOTH / WEST (1)

ENCLOSURE, NEVA 12
HOFFMAN #A-884HE

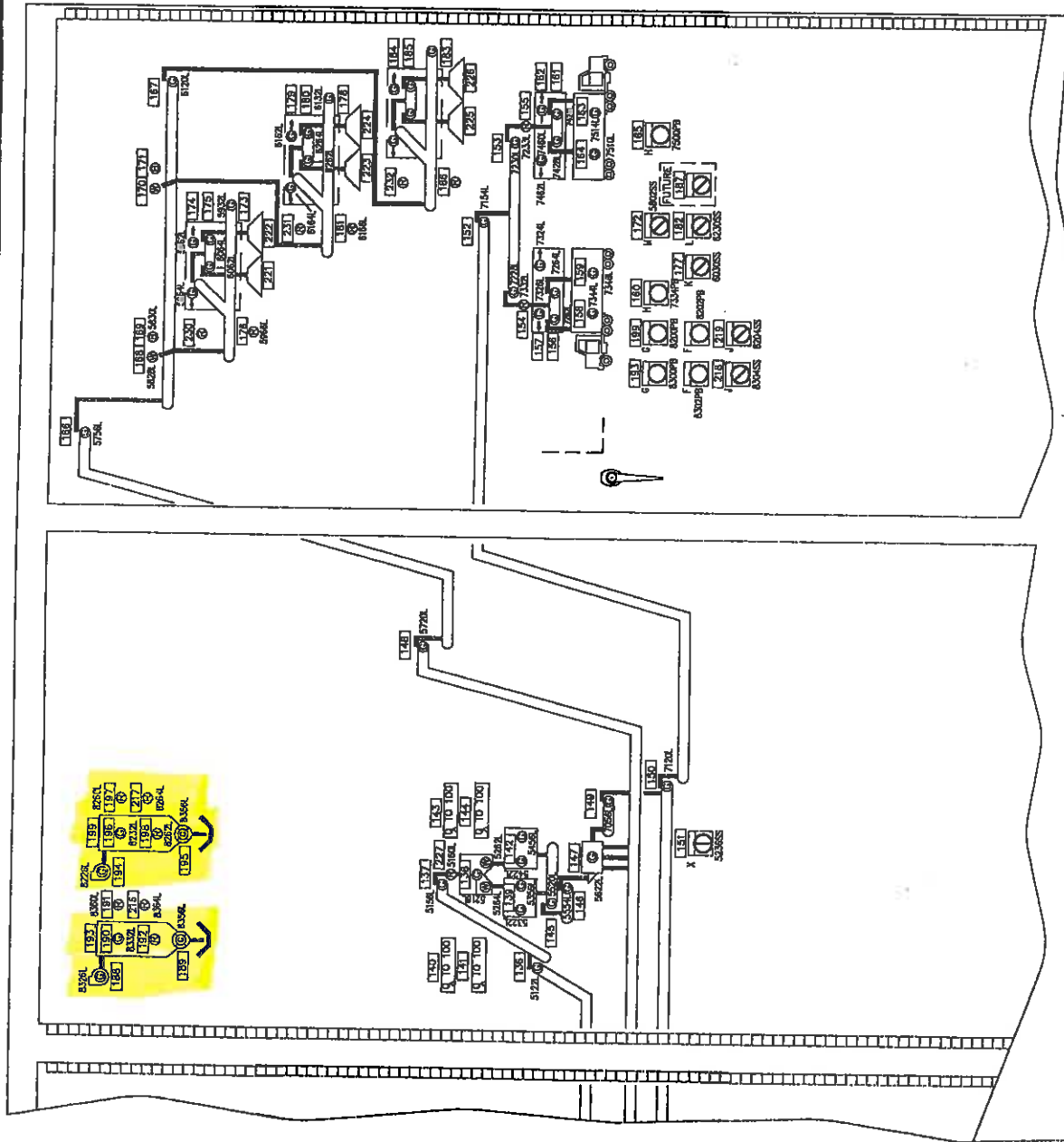
SHEET 1 OF 4

PROJECT	REUTER RECYCLING	DATE	10-11-80
CLIENT	REUTER RECYCLING	BY	10-11-80
LOCATION	COARSE TREATMENT PLANT	DATE	10-11-80
SCALE	5" = 1'-0"	DATE	10-11-80
PROJECT NO.	AUEG-45708	DATE	10-11-80

NOTE: THIS IS A C.A.B. GENERATED DRAWING. DO NOT MAKE ANY CHANGES TO THIS ORIGINAL DWF.

REVISION	DATE	DESCRIPTION
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G4570801 3/17/92 25.45cm



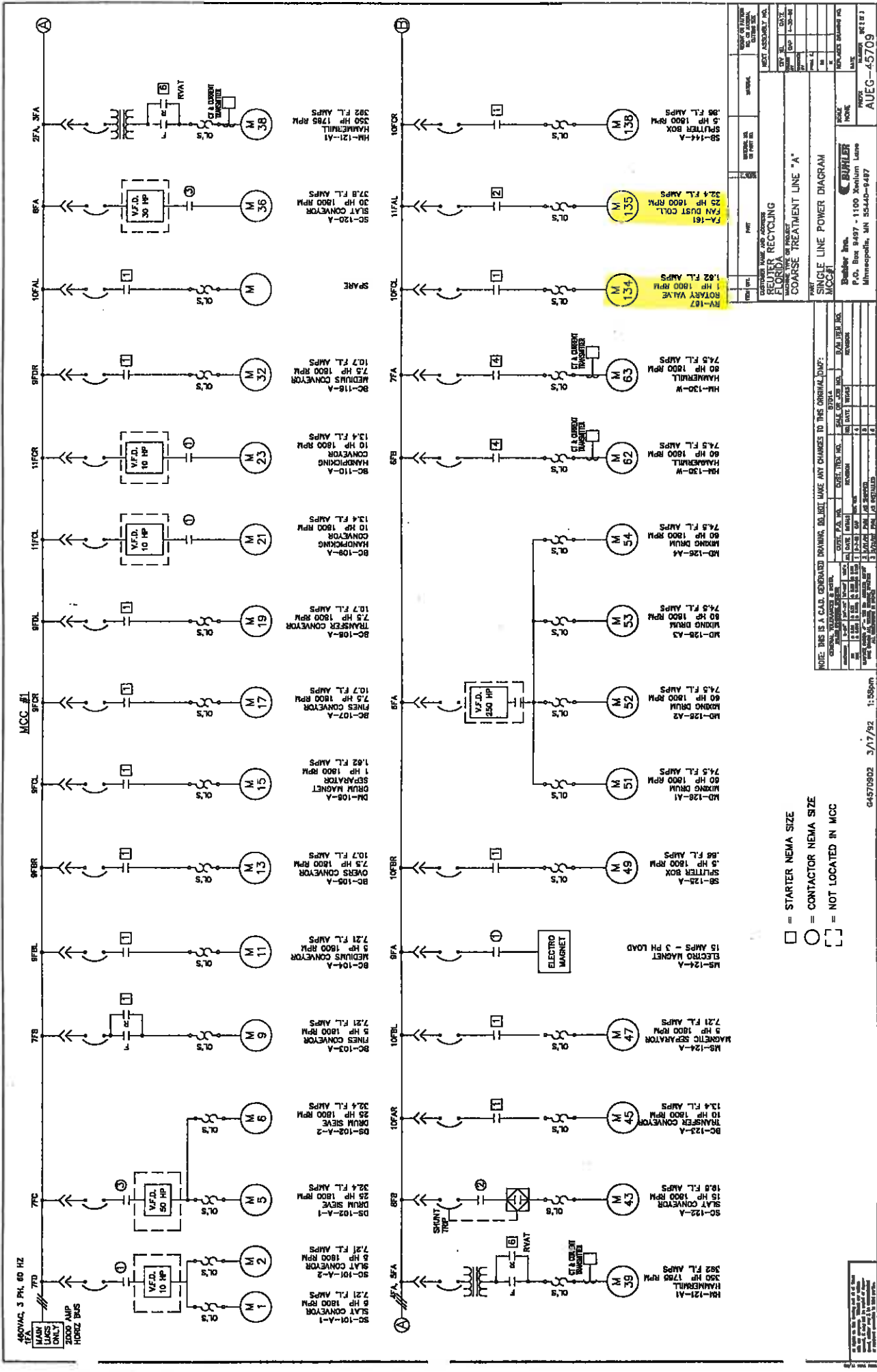
SHEET 2 OF 4

DATE	PROJECT	DESIGNED BY	CHECKED BY	APPROVED BY
10/1/82	RECYCLING PLANT	J. L. BROWN	J. L. BROWN	J. L. BROWN
RECYCLING PLANT COARSE TREATMENT PLANT GRAPHIC CONTROL PANEL				
SCALE: 1" = 1'-0" P.O. Box 9487 - 1100 Xenium Lane Minneapolis, MN 55440-9487				
SHEET NO. 45708 PROJECT NO. 45708				

NOTES: THIS IS A C.A.D. GENERATED DRAWING. DO NOT MAKE ANY CHANGES TO THE ORIGINAL DWF.

64570802 3/7/82 6.51cm

1/2" = 1'-0"



NOTE: THIS IS A CAL. CONDENSED DRAWING. DO NOT MAKE ANY CHANGES TO THIS DRAWING UNLESS:

REVISION	DATE	BY	CHKD	APP'D
1	3/17/92	J. J. JONES		
2	3/17/92	J. J. JONES		
3	3/17/92	J. J. JONES		
4	3/17/92	J. J. JONES		
5	3/17/92	J. J. JONES		
6	3/17/92	J. J. JONES		
7	3/17/92	J. J. JONES		
8	3/17/92	J. J. JONES		
9	3/17/92	J. J. JONES		
10	3/17/92	J. J. JONES		

PROJECT NO.	45709
DATE	3/17/92
BY	J. J. JONES
CHKD	
APP'D	
REVIEWED	
DESIGNED	
DRAWN	
CHECKED	
APPROVED	
SCALE	NONE
PROJECT NAME	WASTE TREATMENT LINE "A"
CLIENT	REUTER RECYCLING FLORIDA
LOCATION	COARSE TREATMENT LINE "A"
DESIGNER	BUEHLER INC.
PROJECT ADDRESS	P.O. Box 9497 - 1100 Xenium Lane Minneapolis, MN 55440-9497
PROJECT PHONE	612-457-9497
PROJECT FAX	612-457-9497

TOP HAT
(IF USED)

MCC #2

11F	10F	9F	8F	7F	6F	5F	4F	3F	2F	1F
A SPARE SIZE 2	AL AR SPARE M46 SIZE 1	A ELECTRO MAGNET	A M37	A M65	A M55 THROUGH M50		SIZE 8 350HP RVAT		SIZE 8 350HP RVAT	
B SPARE SIZE 1	BL BR M140 M50	BL BR M12 M14	B 15 HP SOFT START M16 M18 CONT. M44	B M10			REV. N41		REV. N40	
C M22 M24	CL CR M138 M139	CL CR M16 M18		C M7 & 8						
D M137	D SPARE SIZE 1	DL DR M20 M33		D M3 & 4	B M64					
E SPACE	E SPACE	E SPACE			C SPACE					

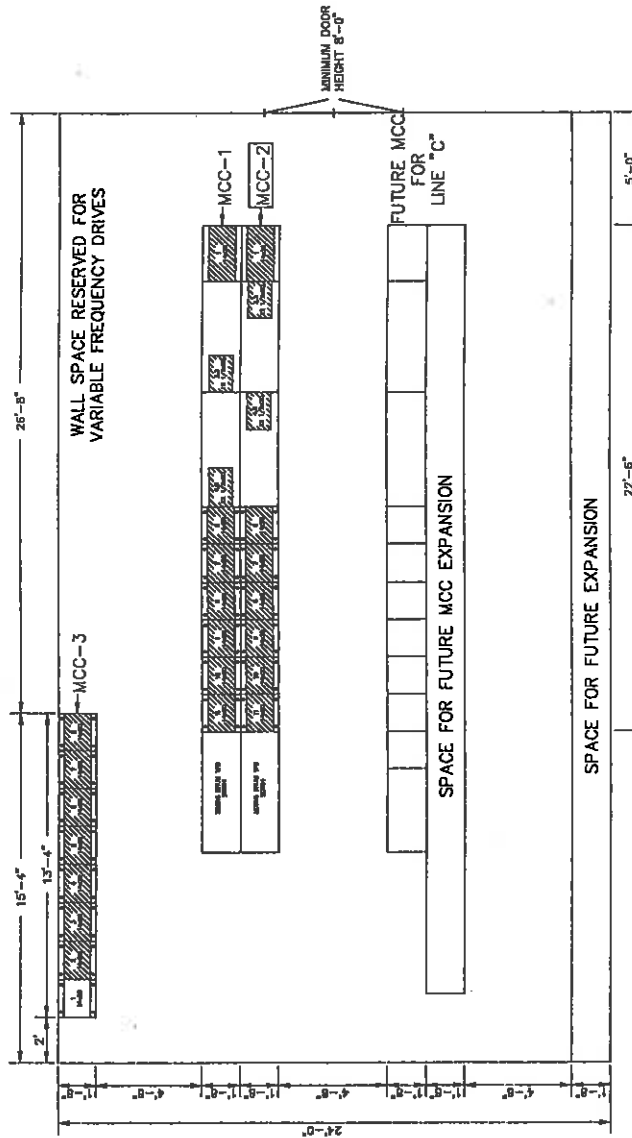
10" TOP
PLATE

22" TOP
PLATE

6" UNIT
INCREMENTS

8" TOP
PLATE
1 1/2" SILL

CAUTION:
THE AVERAGE FULL LOAD AMPERE RATINGS
SHOWN ON THESE DRAWINGS ARE HIGH
OR LOW FOR FULL LOAD MOTOR RATING
SELECTION. SELECT AND ADJUST HEATERS ON
BASIS OF FULL LOAD CURRENT RATING AS
SHOWN ON MOTOR NAMEPLATE.



SUGGESTED MCC ROOM LAYOUT

SCALE: 3/8" = 1'-0"

G4571001 3/17/92 2:00pm

STRUCTURE SCHEDULE			
SECT	WIDE	DEEP	UNIT MOUNTING
1F	30	20	FRONT ONLY
2F	40	20	FRONT ONLY
3F	20	20	FRONT ONLY
4F	40	20	FRONT ONLY
5F	20	20	FRONT ONLY
6F	20	20	FRONT ONLY
7F	20	20	FRONT ONLY
8F	20	20	FRONT ONLY
9F	20	20	FRONT ONLY
10F	20	20	FRONT ONLY
11F	20	20	FRONT ONLY

DATE	REV	BY	DATE
10/1/92	1	10/1/92	1
REVISIONS			
REVISION 1: 10/1/92			
REVISION 2: 10/1/92			
REVISION 3: 10/1/92			
REVISION 4: 10/1/92			
REVISION 5: 10/1/92			
REVISION 6: 10/1/92			
REVISION 7: 10/1/92			
REVISION 8: 10/1/92			
REVISION 9: 10/1/92			
REVISION 10: 10/1/92			
REVISION 11: 10/1/92			
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REVISION 100: 10/1/92			

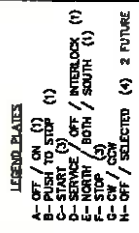
REUTER RECYCLING
FLORIDA
CORPORATION
COARSE TREATMENT LINE "B"

MCC #2 LAYOUT

Bluhm Inc.
P.O. Box 9487 • 1100 Xenium Lane
Minneapolis, MN 55440-9487

SCALE
NONE

PROJECT NO.
AUEG-45710

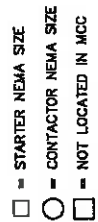
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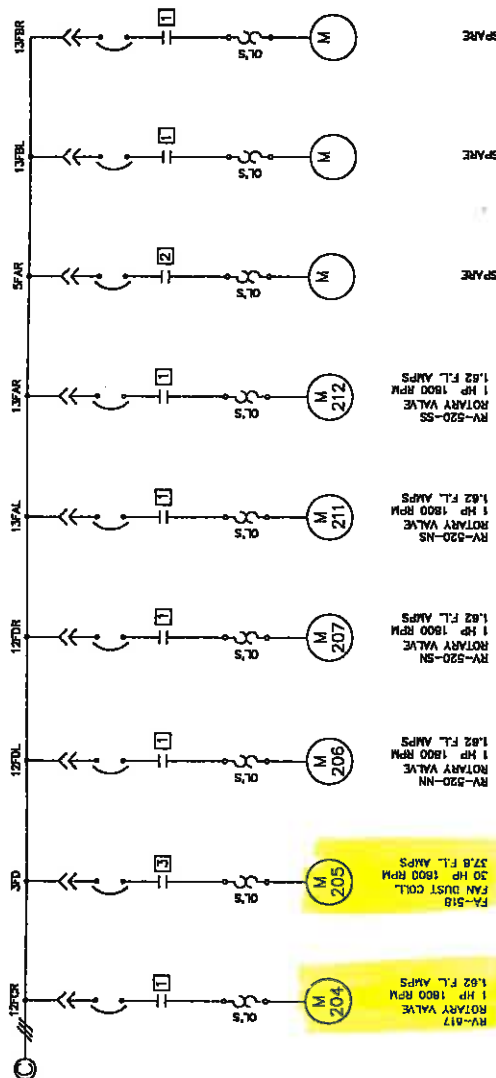
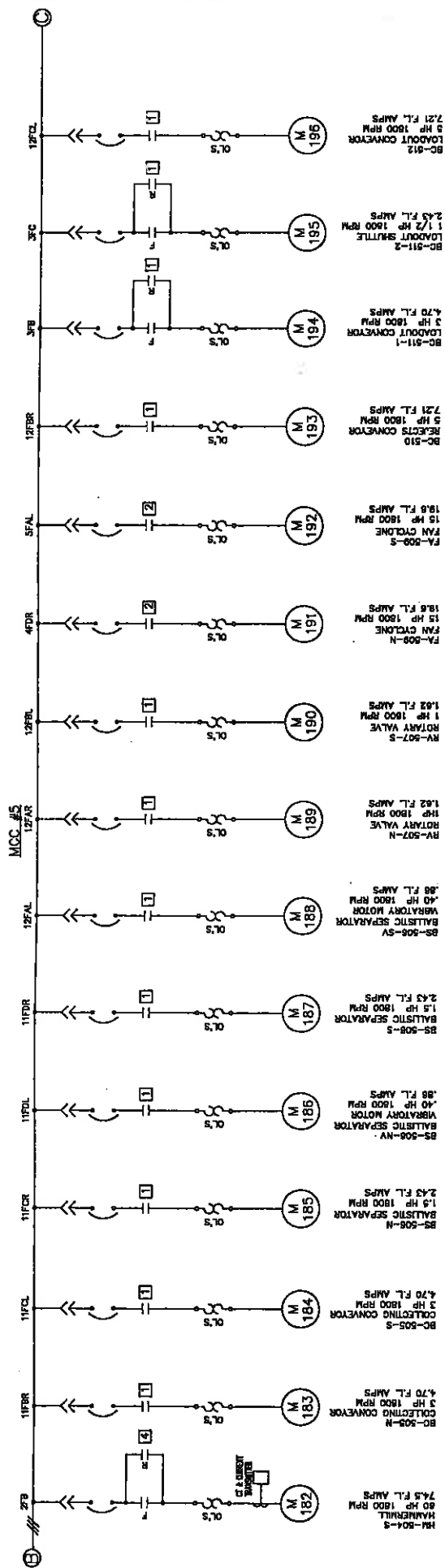
G4571401 3/17/92 2:08pm

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[illegible]





☐ = STARTER NEMA SIZE
☐ = CONTACTOR NEMA SIZE
☐ = NOT LOCATED IN MCC

NOTE: THIS IS A C.A.D. GENERATED DRAWING. DO NOT MAKE ANY CHANGES TO THIS ORIGINAL DWMF:

[illegible]

04571603 3/17/92 6:23pm

