

# OLYMPIC REGION CLEAN AIR AGENCY

2940 Limited Lane NW - Olympia, Washington 98502 - 360-539-7610 – Fax 360-491-6308

## FORM 1- NOTICE OF CONSTRUCTION

TO CONSTRUCT - INSTALL - ESTABLISH OR MODIFY AN AIR CONTAMINANT SOURCE

**Form 1 Instructions:**

1. Please complete all the fields below. **This NOC application is considered incomplete until signed.**
2. If the application contains any confidential business information, please complete a Request of Confidentiality of Records ([www.orcaa.org/forms](http://www.orcaa.org/forms)).
3. Duty to Correction Application: An applicant has the duty to supplement or correct an application. Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application must, upon becoming aware of such failure or incorrect submittal, promptly submit supplementary factors or corrected information.

<b>Business Name:</b> Weyerhaeuser NR Company - Rochester Seed Plant	<b>For ORCAA use only</b> File No: 344 County No: 67 Source No: 160 Application No: 24NOC1636
<b>Mailing Address:</b> 7935 US 12, Rochester, WA 98759	Date Received:  <div style="text-align: center; color: red; font-weight: bold; font-size: 1.2em;">                     Received                      FEB 02 2024                       ORCAA                 </div>
<b>Physical Address of Project or New Source:</b> 7935 US 12, Rochester, WA 98759	
<b>Billing Address:</b> 7935 US 12, Rochester, WA 98759	
<b>Project or Equipment to be installed/established:</b>  10,000 ACFM Bagfilter	
Anticipated startup date: <u>05</u> / <u>01</u> / <u>2024</u> Is facility currently registered with ORCAA? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
This project must meet the requirements of the State Environmental Policy Act (SEPA) before ORCAA can issue final approval. Indicate the SEPA compliance option: <input type="checkbox"/> SEPA was satisfied by _____ (government agency) on ___/___/___ (date) - Include a copy of the SEPA determination <input type="checkbox"/> SEPA threshold determination by _____ (government agency) is pending - Include a copy of the environmental checklist <input type="checkbox"/> ORCAA is the only government agency requiring a permit - Include ORCAA Environmental Checklist <input checked="" type="checkbox"/> This project is exempt from SEPA per <u>WAC 197-11-800 (3)</u> (WAC citation).	
<b>Name of Owner of Business:</b> Weyerhaeuser Corporation	<b>Agency Use Only</b>
Title:	
Email:	Phone:
<b>Authorized Representative for Application (if different than owner):</b> Viviana Olivares	
Title: Project Manager	
Email: viviana.olivares@weyerhaeuser.com	Phone: 360-480-7629
I hereby certify that the information contained in this application is, to the best of my knowledge, complete and correct.	
<b>Signature of Owner or Authorized Representative: (sign in Blue Ink)</b>	
	Date: 1/31/24
<b>IMPORTANT:</b> Do not send via email or other electronic means. ORCAA must receive Original, hardcopy, signed application and payment prior to processing application.	

## OLYMPIC REGION CLEAN AIR AGENCY

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### FORM 1D- Contact Information

<b>Business Name</b> Weyerhaeuser NR Company	<b>FOR ORCAA USE</b>
	<b>FILE #</b> 344
<b>Physical Site Address (Street address, city, state, zip)</b> WNR - Rochester Seed Plant 7935 US 12 Rochester, WA 98759	<b>CTY #</b> 67
	<b>SRC #</b> 160
	<b>Date Received</b> <b>Received</b> <b>FEB 02 2024</b>
<b>Previous Business Name (if applicable)</b>	<b>ORCAA</b>

#### Contact Information

<b>Inspection Contact</b>	
Name Viviana Olivares	Title Project Manager
Phone 360-480-7629	Email viviana.olivares@weyerhaeuser.com
<b>Billing Contact</b>	
Name Viviana Olivares	Title Project Manager
Phone 360-480-7629	Email viviana.olivares@weyerhaeuser.com
<b>Emission Inventory Contact</b>	
Name Viviana Olivares	Title Project Manager
Phone 360-480-7629	Email viviana.olivares@weyerhaeuser.com
<b>Complaint Contact</b>	
Name Viviana Olivares	Title Project Manager
Phone 360-480-7629	Email viviana.olivares@weyerhaeuser.com
<b>Permit Contact</b>	
Name Viviana Olivares	Title Project Manager
Phone 360-480-7629	Email viviana.olivares@weyerhaeuser.com

The **inspection contact** is the on-site person responsible for the everyday operation of the site and is available for inspections.

The **billing contact** is the person invoices are sent.

The **emission inventory contact** is the person requests for emissions information and material use information are sent.

The **complaint contact** is the person who receives and responds to complaints received on-site and who is contacted regarding complaints ORCAA receives.

The **permit contact** is the person responsible for filling out permit applications and receiving approval from ORCAA.

Weyerhaeuser Rochester Nursery & Seed Plant • 7935 US 12 • Rochester, WA 98759

Received  
FEB 02 2024

ORCAA

1/31/2024

Olympic Region Clean Air Agency  
2940 Limited Lane NW  
Olympia, WA 98502

Dear Recipient,

**Subject: Weyerhaeuser Rochester Seed Plant Notice of Construction**

Weyerhaeuser Rochester Nursery is planning to upgrade air emissions units at the seed plant on site at 7935 US 12 Rochester, WA 98759. The upgrades include replacing the current dust control units at the facility with a new baghouse filter. The new baghouse will improve air emissions and increase the visual aesthetics at the site as well. Please find attached a Form 1, Form 12, Property Boundary drawing and design plans, and proof of payment for application fee. We look forward to working with ORCAA as we plan these upgrades to our facility.

Regards,



Viviana Olivares

Enclosures:

Form 1  
Form 12  
Property Boundary and Design Plans (Attachment 006.1)  
Proof of Payment of Application Fee.

ORCAA



**OLYMPIC REGION CLEAN AIR AGENCY**  
2940 Limited Lane NW - Olympia, Washington 98502  
Telephone: (360)-539-7610 – Fax: (360)-491-6308  
[www.orcaa.org](http://www.orcaa.org)

**FORM 12**

Fill out all the applicable equipment information requested below and submit the appropriate fees.

**BAGHOUSE**

**General Information**

<b>Facility Name:</b> Weyerhaeuser Rochester Nursery & Seed Plant		<b>Contact Person:</b> Viviana Olivares	
		<b>Phone Number:</b> 360-480-7629	
		<b>Email:</b> viviana.olivares@weyerhaeuser.com	
<b>Facility Operating Schedule:</b> 8 hrs/day, 5 days/wk, 52 wks/yr		<b>Baghouse Operating Schedule:</b> 8 hrs/day, 5 days/wk, 17 wks/yr	
<b>Indicate days when operating:</b> <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> F <input type="checkbox"/> Sat <input type="checkbox"/> Sun		<b>Indicate days when operating:</b> <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> F <input type="checkbox"/> Sat <input type="checkbox"/> Sun	
<input checked="" type="checkbox"/> New Unit Installation <input type="checkbox"/> Modification	<b>Manufacturer:</b> To be determined	<b>Model #</b> To be determined	<b>Serial #</b> To be determined

**Technical Specifications**

<b>Air Flow:</b> Design ACFM 10,000 Operating ACFM 8607 Temperature 70 °F	<b>Particulate Control Efficiency:</b> Pressure Drop (inches of water) 10 inches Water Vapor Content (lbs/water/lbs dry air) 0.008 Fan Power (hp) Est. 25 hp
Describe Filter Material: Pleated cartridge filter. Cellulose polyester blend.	
Describe bag cleaning mechanism and cycle: Pulse jet	
Describe operation of baghouse, including use of safety bypasses, monitoring and maintenance schedules, and any other pertinent information relating to particulate emissions (use additional pages if necessary): See attached RFP# 006.1 with description of operation and layout. Note: This application will be updated once Vendor is selected. This permit application is an introduction to the project. We look forward to working with OORCA before we make our final selection.	
<b>Particulate Emissions Data</b>	
<b>Particulate Emissions:</b>	<b>Particulate Control Efficiency:</b>
Inlet (gr/scf) 0.318	Filtering Velocity (acfm/ft <sup>2</sup> cloth) 8 to 1
Outlet (gr/scf) 0.0032	Particulate Control Efficiency (%) 99

**Describe Particulate Emissions:**

The emissions will be fine particulate of cellulose (plant) from doug fir cones.

Micron Range	Inlet Loading (% of total)	Outlet Loading (% of total)
0 -5	10 %	1 %
5 – 10	88 %	0 %
Greater than 10	2 %	0 %

**Other Information:**

The following information is needed to complete the application:

1. Manufacturer brochure or technical fact sheet for filter material.
2. Scaled technical drawings of the baghouse including top, side and interior views.
3. Manufacturer brochure or technic fact sheet for baghouse.

**Filing Fee:** See <https://www.orcaa.org/services/fee-schedules/> for an up-to-date list of fees

## GENERAL REQUIREMENTS

1. **BACT for Particulate Control:** ORCAA may require demonstration of compliance based on measured stack grain loading in accordance to the procedures outlined in 40CFR Part 60 and in accordance with ORCAA's approved particulate source test procedures.
  - 1.1 Low Temperature Process Streams - Grain Elevators, Barley Processing, Forest Products Dust, Large Cabinet Shops:
    - Particulate Limit: 0.01 gr/dscf
    - Opacity Limit: 5% for entire process stream.

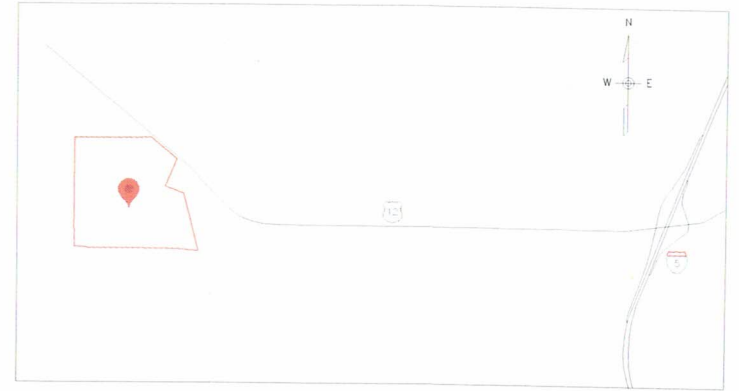
These limits are appropriate for low temperature dust control when NOMEX bags are feasible.
  - 1.2 High Temperature Process Streams - Ceramics, Metal Dust:
    - Particulate Limit: 0.01 gr/dscf
    - Opacity Limit: 5% for entire process stream.
  - 1.3 Combustion Sources - Boilers, Asphalt Plants:
    - Particulate Limit: 0.02 gr/dscf (back half included)
    - Opacity Limit: 5% for entire process stream.
2. **Stack:** Emissions shall exit through a vertical stack at least 2 meters above the highest point of the baghouse. Permanent sampling ports and platforms shall be installed on the stack prior to commencement of operation. The sampling ports shall meet the requirements of 40, CFR Part 60, Appendix A, Method 1.
3. **Opacity Monitor (wood fired boilers):** Owners and operators of baghouses installed on wood fired boilers shall install, calibrate, maintain, and operate a continuous emissions monitoring system (CEMS) for continuously monitoring the boiler stack gas opacity prior to exiting to the atmosphere.
  - 3.1 The opacity CEMS shall be certified and installed in accordance 40CFR Part 60, Performance Specification 1 (appendix B).
  - 3.2 The opacity CEMS shall be equipped with a strip chart recorder or data acquisition system (DAS) capable of computing and recording stack gas opacity in three consecutive minute averages. The data acquisition system or strip chart recorder shall record and display opacity values to 0.5% opacity.
  - 3.3 Prior to installation of the CEMS, the owner or operator shall provide ORCAA a written manufacturers certificate of conformance with Performance Specification 1.
  - 3.4 An opacity CEMS quality assurance plan conforming with 40 CFR Part 60 Appendix F and the EPA publication "Recommended Quality Assurance Procedures for Opacity Continuous Emissions Monitoring Systems" (EPA 340/1-86-010) shall be developed and submitted to ORCAA for approval no later than 180 days after commencement of operation.
  - 3.5 The opacity CEMS shall be operational and tested for compliance with 40 CFR Part 60, Appendix B Performance Specification 1 no later than 90 days after initial startup.
4. **Other:** Other requirements include; 1) monitoring of pressure drop across baghouse, 2) bag monitoring and maintenance schedule, 3) full set of replacement bags on-site, 4) emission inventory reporting, and 5) excess emissions reporting.



# Weyerhaeuser

## Rochester, Washington

### Bagfilter System Modernization



SITE PLAN

ADDRESS: 7935 Highway 12 SW, Rochester, WA 98579

#### "Crow Engineering DRAWING INDEX

Sheet #	Rev.	Status	Drawing Title
23006-001-01	A	IFB	COVER SHEET
23006-001-02	A	IFB	PROPERTY BOUNDARY
23006-001-03	A	IFB	PROCESS FLOW
23006-001-04	A	IFB	BAGFILTER SYSTEM DESIGN PLAN and ELEVATION

**FOR BID ONLY**  
 Date: 11-21-2023

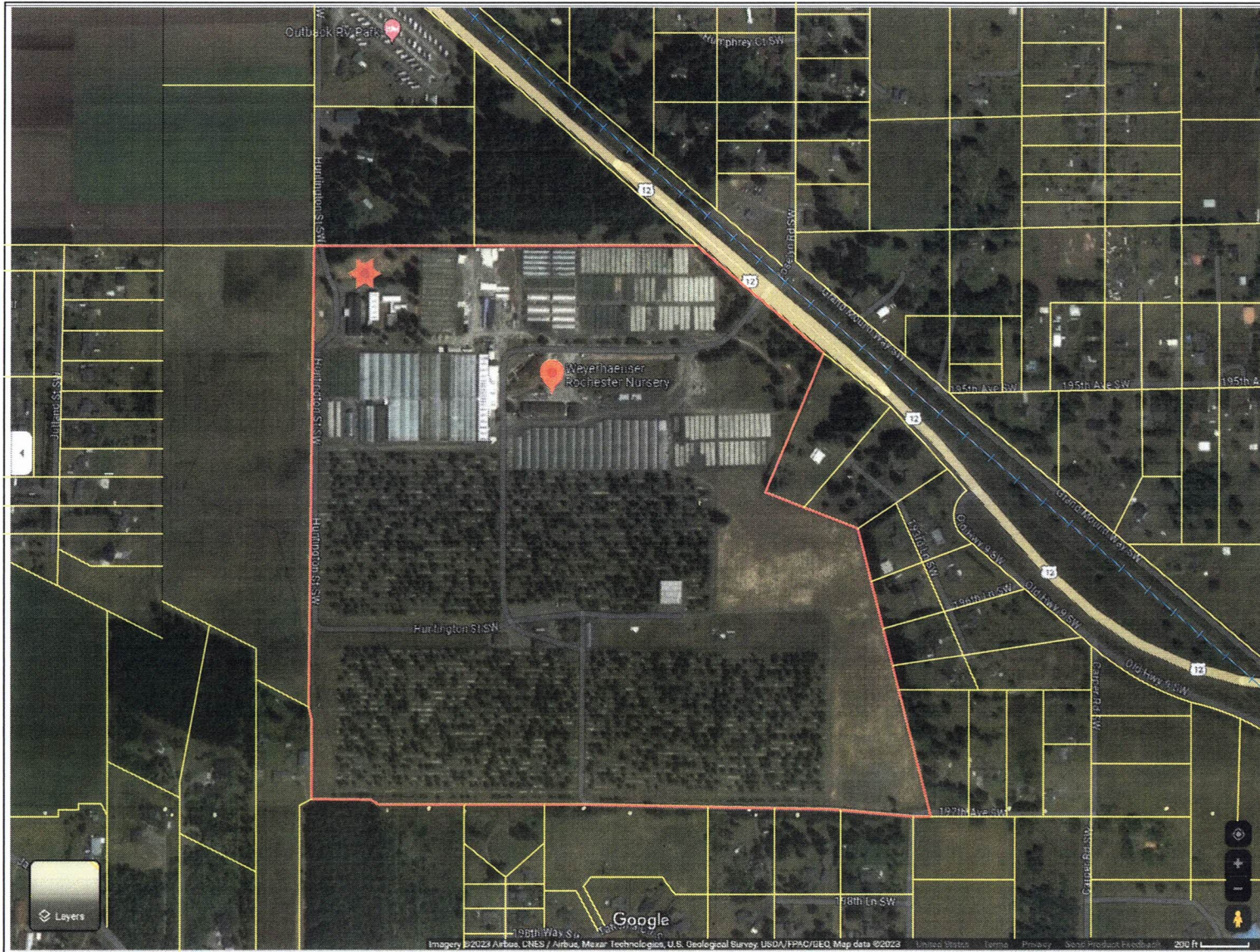
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 2025 SW Mirabus Ave. Suite 110  
 Breverton, OR 97008-7592  
 crowengineering.com  
 P (503) 213-2013  
 F (503) 213-2018

**Weyerhaeuser**  
 Rochester, Washington  
 Weyerhaeuser Rochester Bagfilter  
 BAGFILTER SYSTEM DESIGN  
 COVER SHEET  
 PROJECT: 23006-001-01  
 SHEET: 23006-001-01  
 DATE: 11-16-2023  
 SCALE: AS SHOWN



- LEGEND
- PROPERTY BOUNDARIES
  - SURROUNDING PARCEL BOUNDARIES
  - MAJOR ROADS
  - +— RAILROADS
  - 📍 PROPERTY LOCATION
  - ★ PROJECT LOCATION
  - 12 U.S. ROAD

NOTES:  
 MAP CREATED USING GOOGLE MAP.  
 PUBLISHED: 2023

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Date: 11-21-2023



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 F: (503) 213-2018

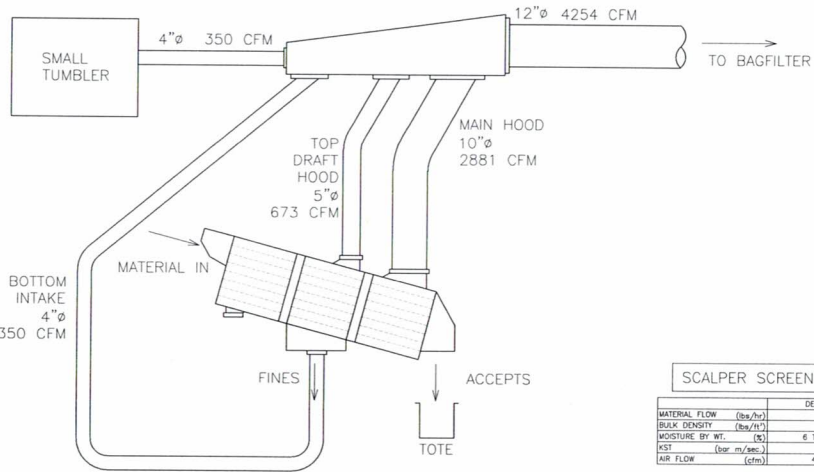
**Weyerhaeuser**  
 Rochester, Washington

**Weyerhaeuser Rochester Bagfilter  
 BAGFILTER SYSTEM DESIGN  
 PROPERTY BOUNDARY**

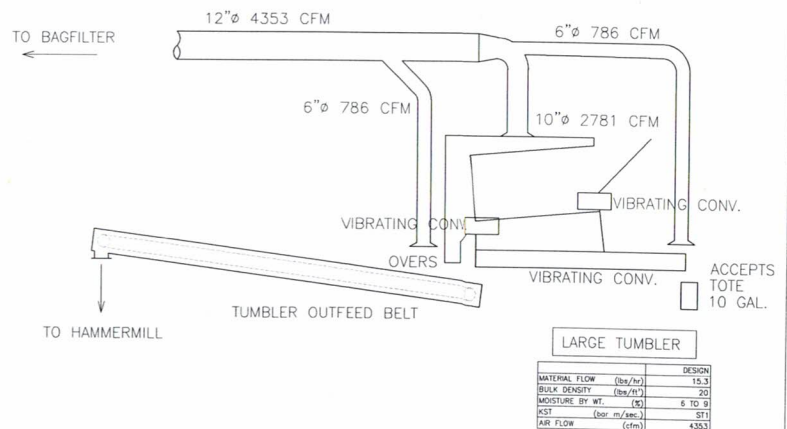
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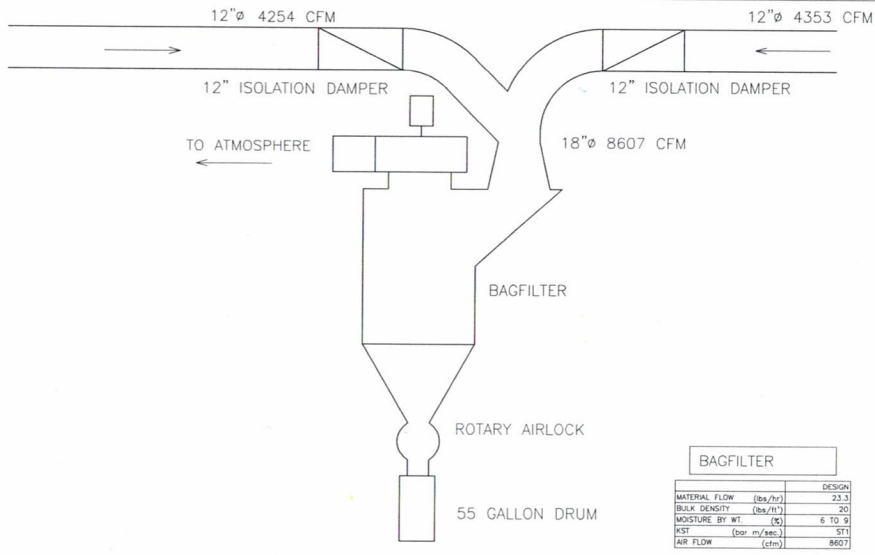




SCALPER SCREEN	
	DESIGN
MATERIAL FLOW (lbs/hr)	8.0
BULK DENSITY (lbs/ft <sup>3</sup> )	20
MOISTURE BY WT. (%)	6 TO 9
KST (ccp. m/sec.)	ST1
AIR FLOW (cfm)	4254



LARGE TUMBLER	
	DESIGN
MATERIAL FLOW (lbs/hr)	10.3
BULK DENSITY (lbs/ft <sup>3</sup> )	20
MOISTURE BY WT. (%)	6 TO 9
KST (ccp. m/sec.)	ST1
AIR FLOW (cfm)	4353



BAGFILTER	
	DESIGN
MATERIAL FLOW (lbs/hr)	23.1
BULK DENSITY (lbs/ft <sup>3</sup> )	20
MOISTURE BY WT. (%)	6 TO 9
KST (ccp. m/sec.)	ST1
AIR FLOW (cfm)	8607

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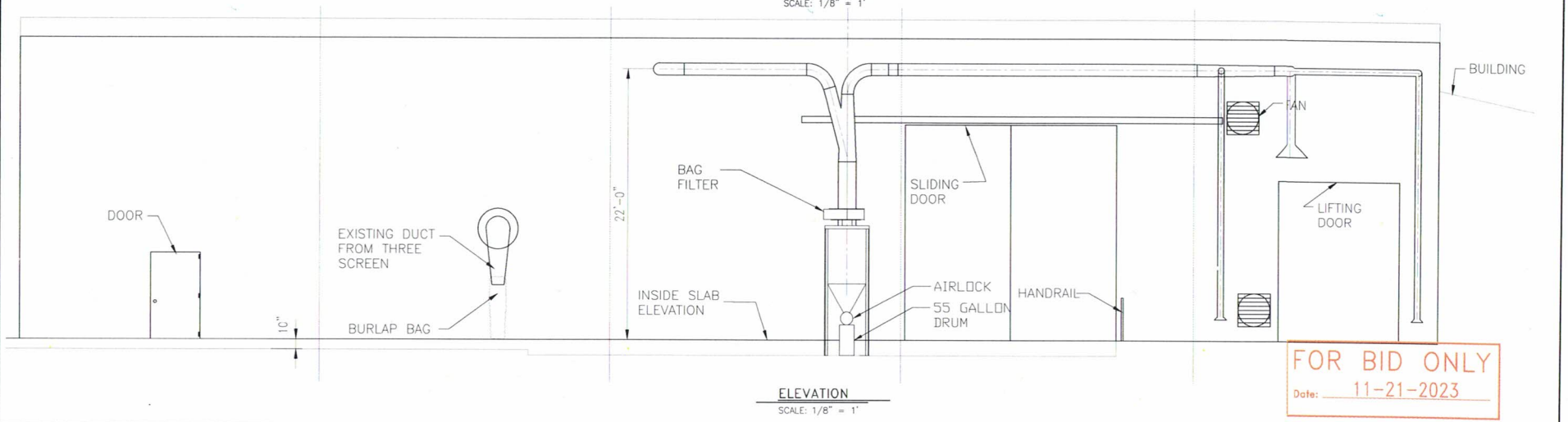
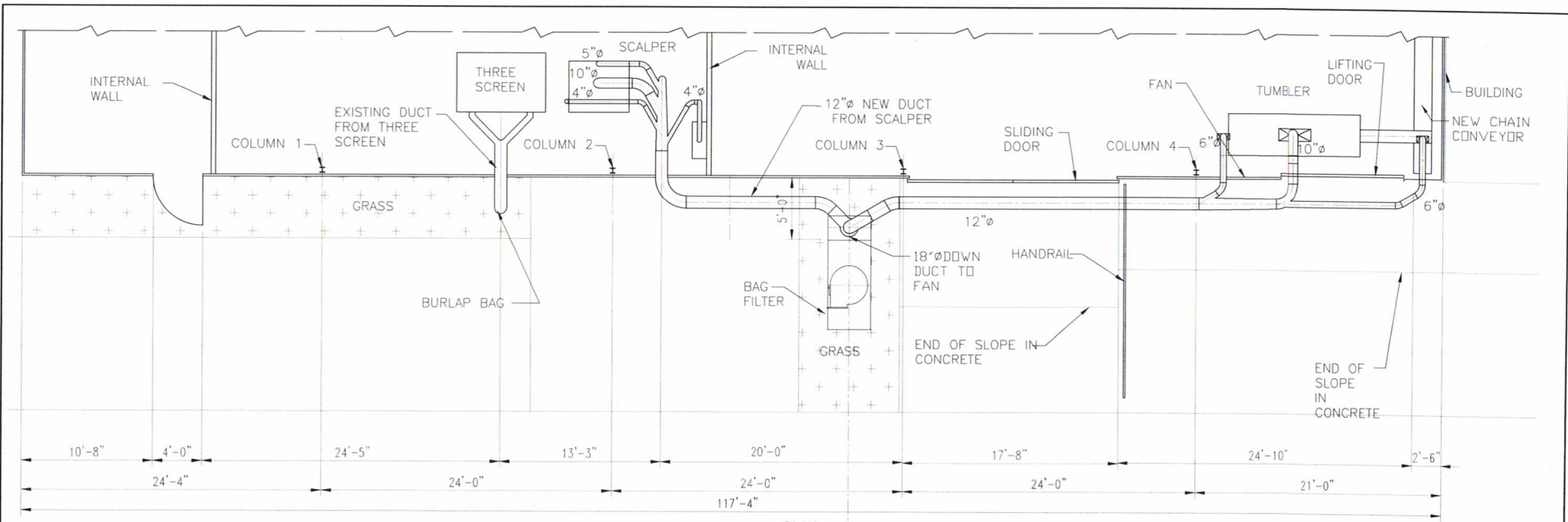
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		<small>DESIGNED BY</small> <small>CHECKED BY</small> <small>SCALE</small> <small>DATE</small>	<small>DRAWING NO.</small> <small>REV.</small>
<small>PLT: 10/18/2023 2:32:20 PM AND          SAVE: I:\2006\000 - PEARSON, SPENCE, JENSEN, TEEB\23006-000-04 PROCESS FLOW.dwg 10/19/23 2:32:20 PM</small>		<small>DRW: KNG</small> <small>CHK: JH</small> <small>SCALE: NTS</small> <small>DATE: 10-03-2023</small>	<small>DRAWING NO. 23006-0001-03</small> <small>REV. A</small>



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Plot: 11/01/2023 10:26:30AM KMG  
 Save: 12/08/2023 10:26:30AM KMG, FILED: 12/08/2023 10:26:30AM KMG, 12/08/2023 10:26:30AM KMG

**Weyerhaeuser**  
 Rochester, Washington

**Weyerhaeuser Rochester Bagfilter Bagfilter SYSTEM DESIGN PLAN and ELEVATION**

Drawn: **NCG** Checked: **AB** Scale: 1/8" = 1' Date: 11-18-2023 Drawing No: 23006-0001-04