DIN 24266
Approved FINAL

HENSONS' INC.

PINEVILLE WOOD YARD OPERATIONS PLAN

January 16, 2015

Prepared for:
Hensons' Inc.
P.O. Box 1060
Tryon, North Carolina 28782
Phone: 828-859-5836
Fax: 828-859-9091

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1.0 – INTRODUCTION

Hensons' Inc. (Hensons') owns and operates a solid waste treatment /processing and composting facility in Pineville, North Carolina. The facility processes land clearing debris, clean wood, stumps, brush, limbs, untreated wood and silviculture waste. Leaves are also composted at this facility. This operational plan details the activities that will be accomplished at the facility. The site is zoned General Industrial, and the proposed operation is permitted under this zoning. A letter from the Mecklenburg County Engineering and Building Standards Department documenting zoning approval is included in Appendix A.

2.0 – STANDARD FACILITY OPERATIONS

Facility Name:	Hensons' Inc. (6015TP-Compost) 13010 Lancaster Hwy. Pineville, NC 28134 704-543-9952
Facility Manager:	Donald Ruppe
Contact Info:	704-543-9952/704-507-2677
Facility Operator:	Ellis M. Fincher, III. Hensons' Inc. P.O. Box 1060 Tryon, North Carolina 28782 Phone: 828-859-5836/828-817-0372

The facility will accept various types of wood waste to include land clearing debris, clean wood, stumps, brush, limbs, untreated wood and silviculture waste. Construction and demolition (C&D) waste will not be processed on site. The wood waste materials will be processed such that the materials are recycled and marketable products are produced. Leaves will also be accepted for compost processing. The following sections outline the standard operating procedures for the facility.

2.1 – EROSION CONTROL

All sedimentation and erosion control activities will be conducted in accordance with applicable laws and regulations to include the Charlotte – Mecklenburg Land Development Standards and 15A NCAC 4 (Sedimentation Pollution control Law). Erosion control and sedimentation devices are inspected weekly and after rain events to ensure compliance and functionality. Erosion control and Sedimentation devices are maintained by using Best Management Practices (BMP).

2.2 – LEACHATE TREATMENT

The wood waste and mulch piles are constructed such that they drain and ponding of water on site does not occur. The runoff from the site will be collected in three sedimentation basins as shown on the attached plan. Berms, diversion ditches, stone filter check dams and/or hay bales will be utilized to direct and filter leachate runoff from the compost pile. Specifically, the site will not cause a discharge of materials or fill materials into water or wetlands of the state that is in violation of Section 404 of the Clean Water Act, nor shall the facility cause a discharge of pollutants into waters of the state that is in violation of the requirements of the National Pollutant Discharge Elimination System (NPDES) under Section 402 of the Clean Water Act.

2.3 – SITE ACCESS AND SIGNS

Site access will be controlled through an earth / mulch berm, fence and entrance gate as shown on the site footprint in Appendix B. Uncontrolled public access is not allowed. An operator will be on duty at the site while the facility is open for public use. The entrance gate will be locked when an operator is not on site to prevent illegal dumping. The road to the site is maintained to allow all-weather access. A sign shown in Appendix C is posted at the entrance to the facility

2.4 – DUST CONTROL

Dust at the facility can be reduced by wetting the wood piles, site roads and utilizing spray nozzles installed on the grinder.

2.5 – FIRES

To prevent fires, dusty and dry conditions should be avoided. Operators will spray water on piles if required. If a pile of material does catch fire, a loader or excavator will be used to separate the unburned material from the burning material and prevent the fire from spreading. The fire department and Mecklenburg Land Use and Environmental Services Agency (LUESA) will be notified in case of a fire. In addition, access around the site will be maintained to allow equipment access and prevent the fire from spreading.

2.6 – PRODUCT DISTRIBUTION

The finished product is marketed in bulk form and retail sales for landscaping projects. A maximum storage capacity of six months worth of material will be allowed on site. This will allow material to be stockpiled prior to the peak marketing periods in the spring and the fall. If greater than six months worth of finished material is stored on site and cannot be marketed, it will be removed from the site. The amount of compost material received by this facility will be less than 6,000 cubic yards per quarter or 2 acres in size as required for a Type 1 small composting facility.

2.7 – HOURS OF OPERATION

Hours of operation at the facility may extend from 7:00 AM to 6:00 PM, Monday through Saturday. Typical hours of operation to be posted on the facility entrance gate will be Monday through Friday, 8:00 AM to 5:00 PM.

2.8 – PROCESS FLOW DIAGRAM

Figure 1 shows the facility process flow diagram. The following sections describe the process.

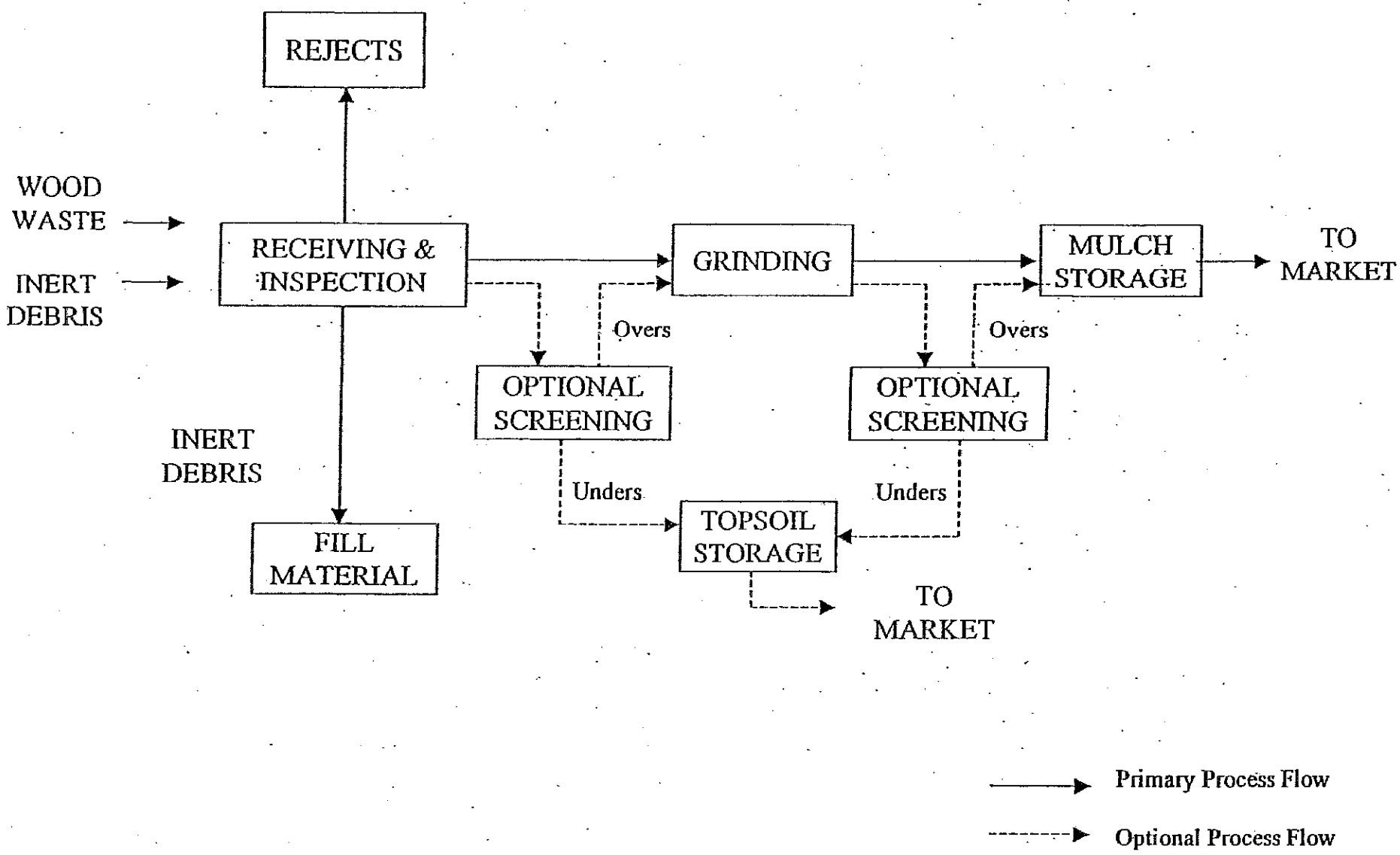
2.8.1– Processing Equipment

Equipment to be utilized on site includes portable tubmill grinders, front end loaders, excavators and portable screens. Manufacturer's information sheets are included in Appendix D.

The tubmill grinder will be a Diamond Z Model PWG 1463 or a similar type grinder. This type of tubmill grinder has a processing capacity of approximately 65 tons per hour

FIGURE 1
PROCESS FLOW DIAGRAM
HENSONS' PINEVILLE WOOD YARD

(This diagram shows T&P process only.)



depending on the screen size utilized. Based on six hours per day of operating time for a tubmill grinder, with one grinder on site, the facility's maximum processing rate will double to 780 tons per day

The screen will be a portable trommel Model PT 627S or Model PT 727 as manufactured by GDS Screens or a similar screen. This type of trommel screen has a processing capacity of approximately 75 tons per hour depending on screen size and moisture content of the material.

2.8.2 – Receiving and Inspection

Incoming trucks will be directed to the office area. Loads will be inspected and unacceptable material will not be allowed on site. The type of material (wood waste) will be determined and the truck will be directed to the appropriate unloading area. Incoming compost material will be inspected before unloading . Once unloaded, all waste and compost material will be inspected again. Unacceptable materials for both operations will be loaded on the delivery truck for transportation off site.

2.8.3 – Grinding

The primary process flow will include stockpiling wood waste in the appropriate storage area prior to grinding. Stockpiling of more material than can be ground in a 30 day period will not be allowed. Material will be stockpiled and a portable grinder will be brought on site to perform the grinding operations. After grinding, the material will be stored in the mulch storage area.

2.8.4 – Screening

Optional screening may occur prior to grinding or after grinding depending on the type of wood waste. The overs from the screening process will be ground or stored with the mulch. Unders from the screening process will mainly be dirt and stored in the topsoil storage area

2.8.5 – Composting

Leaves will be composted at this site. The leaf material is received and placed in windrows prior to processing as is the wood waste material. The wood waste material and leaf material is ground separately utilizing a Diamond Z industrial tub grinder. These materials will again be placed in separate windrows and the temperature will be measured using a temperature probe. After the material has obtained a temperature of 131 degrees fahrenheit for three consecutive days, it will be turned (aerated) using a Komatsu PC 200 excavator with a grapple or bucket. The materiasl will then be marketed with directions for the product.

3.0 – GENERAL

The wood waste processed contains minimal pathogenic organisms. In any event, general worker health and safety procedures should be followed. The following are some general recommendations for the health and safety of workers at the facility.

3.1 – PERSONAL HYGIENE

The following personal hygiene recommendations should be stressed as common practices to all operators.

- Wash hands before eating, drinking or smoking
- Wash, disinfect and bandage ANY cut, no matter how small it is. Any break in the skin can become a source of infection. Change bandages frequently and wear protective clothing or equipment over the wound.
- Keep fingernails closely trimmed and clean (dirty nails can harbor pathogens).

Individuals who are highly debilitated or have severe allergies or asthma should not be employed to work around wood processing equipment.

3.2 – PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment (PPE) must be evaluated as to the level of protection necessary for particular operating conditions and then made available to facility

employees. The list below includes the PPE typically used and/or required when working with wood processing equipment.

- Safety shoes
- Noise reduction protection should be used in areas where extended exposure to continuous high decibel levels is expected.
- Dust filter masks

Following use, PPE's should be disposed of or adequately cleaned, dried and readied for reuse.

3.3 – MECHANICAL EQUIPMENT HAZARD PREVENTION

The loaders, grinder and screen should be operated with care and caution. All safety equipment such as horns and lights should be functional. Detailed safety procedures are included with the manufacturer's literature.

3.4 – EMPLOYEE HEATH AND SAFETY

Some general safety rules are:

- Makes sure that you understand the job that has to be done. Review the equipment O&M Manual prior to attempting repairs/changes.
- Use common sense when attempting a job. Use the safest way to get the work done, including using the proper equipment and tools.
- Use the buddy system in case of repair or mechanical equipment (have a co-worker stand guard).
- Keep the right attitude towards safety. Lack of awareness or a careless attitude can lead to accidents.
- Make sure you know where the first aid kit and fire extinguishers are located. Understand how to use the first aid kit.

3.4.1 – Fire Extinguisher

Potential fire hazards at the wood waste processing facility are created from build-up of fine dry dust particles on and around operational motors and control panels. The presence of these build-ups can cause overheating and potential fire if periodic equipment cleaning and maintenance are not practiced. Portable fire extinguishers

should be maintained in a state of readiness at the grinder and screen locations and on each piece of moving equipment.

3.4.2 – Physical Exposure

Facility personnel who may come in contact with physical exposure on the job should be kept aware of health aspects associated with the fluids, solids and airborne constituents found at the facility. Training concerning safe work practices around these potential exposures should be conducted. The major physical exposure at the facility is from dust. Excessive dust can be a health hazard as a result of its irritating effect on eyes and mucous membranes if proper PPE, such as eye protective goggles and dust filter masks, are not worn by all personnel in the affected areas. During periods of extremely dry weather, excessive dust can be controlled by spraying wood piles and access roads with water. Goggles and dust masks should be worn regardless in "dusty" conditions.

3.5 – FACILITY EMERGENCY PHONE NUMBERS

Main Office:	Hensons' Inc. Wood Waste Processing Facility P.O. Box 1060 Tryon, North Carolina 28782 Phone: 828-859-5836 Fax: 828-859-9091
Facility:	Hensons' Inc. (6015TP-Compost) 13010 Lancaster Hwy. Pineville, NC 28134
Facility Manager:	Donald Ruppe
Contact Info:	704-543-9952/704-507-2677

Facility Operator:	Ellis M. Fincher, III. Hensons' Inc. P.O. Box 1060 Tryon, North Carolina 28782 Phone: 828-817-0372

EMERGENCY MEDICAL / FIRE / POLICE SERVICES 911

APPENDIX A

ZONING LETTER

MECKLENBURG COUNTY
Engineering & Building Standards Department

April 29, 1998

Hensons' Inc.
Ellis M. Fincher, Vice President
P.O. Box 1060
Tryon, NC 28782

Dear Mr. Fincher:

The parcel of land located at 13011 Lancaster Highway

and further identified as tax parcel number 221-111-20

is zoned GI, (General Industrial).

Permitted uses include a wood recycling processing facility and other uses referenced in Section 6-1 of the Town of Pineville Zoning Ordinance.

To the best of my knowledge there are no current zoning violations at the subject property.

If this office can be of any further assistance, please contact us. (704)336-4682.

Sincerely,

David B. Bailey
Zoning Inspector

Form B-150 NS (2/98)
1111.1

MECKLENBURG COUNTY

Engineering & Building Standards Department

May 6, 1998

W. P. Mohle
1950 Antler Drive
Catawba, SC 29704

Dear Mr Mohle:

Mecklenburg County and the City of Charlotte have implemented a computer enhanced 911 **Emergency system.** This System relies on the use of street addresses to dispatch emergency vehicles: i.e. fire, police, ambulance, etc. To be a part of this system and utilize the services it provides, **it is vital that you display your correct street address.**

The Mecklenburg County Engineering and Building Standards Department is responsible for administering the Street Address Ordinance (Copy enclosed). We have reviewed the addresses on the street where your property is located and have made the following changes that are necessary to reflect your correct street address:

Property Identification:	13011 Lancaster Hy
New Address	13010 Lancaster Hy (We apologize for error on our part and inconvenience it may cause you.)
Tax Parcel:	221-111-20

The Street Address Ordinance requires that the assigned street address be displayed within 30 days of receipt of this notice. This address has been given to the Tax, Fire, Police, and Medic Departments. **Please notify your local post office, the telephone, and appropriate utility companies.** If you have leased the property, please give the tenant the new address.

If there are questions concerning the newly assigned address, contact this office at 336-6175. Thank you for your cooperation.

Sincerely,

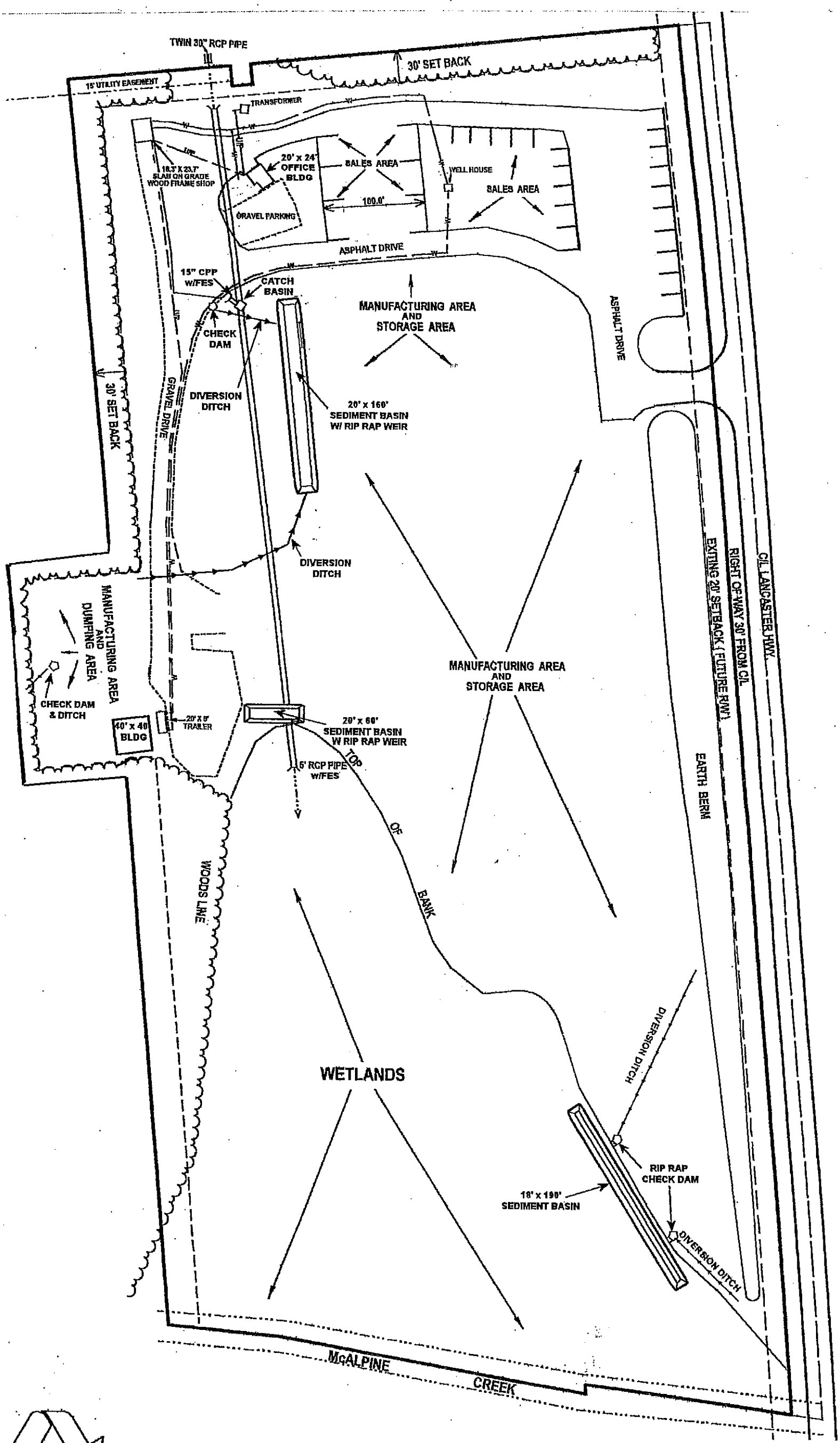
Rhonda Buckner

Rhonda Buckner
GIS Address Coordinator

Enc

APPENDIX B

SITE PLAN



PINEVILLE YARD

Hensons' inc.
Tryon, NC
828-859-5836

SCALE 1" = 100'

100 50 0 100 200

APPENDIX C

SITE SIGN

- OWNER/OPERATOR: Hensons' Inc.

- PERMIT NO. 60-15-TP

- MATERIALS ACCEPTABLE:

  Yard Waste

  Land Clearing Debris

  Inert Construction Debris

  Clean/Untreated and Unpainted Wood Waste

  Silviculture Waste

  Others - See Operator

- EMERGENCY PHONE NUMBER:

  Operator: (828) 859-5836

  Emergency: 911

- HOURS OF OPERATION:

  Monday - Friday 8:00 AM - 5:00 PM

APPENDIX D

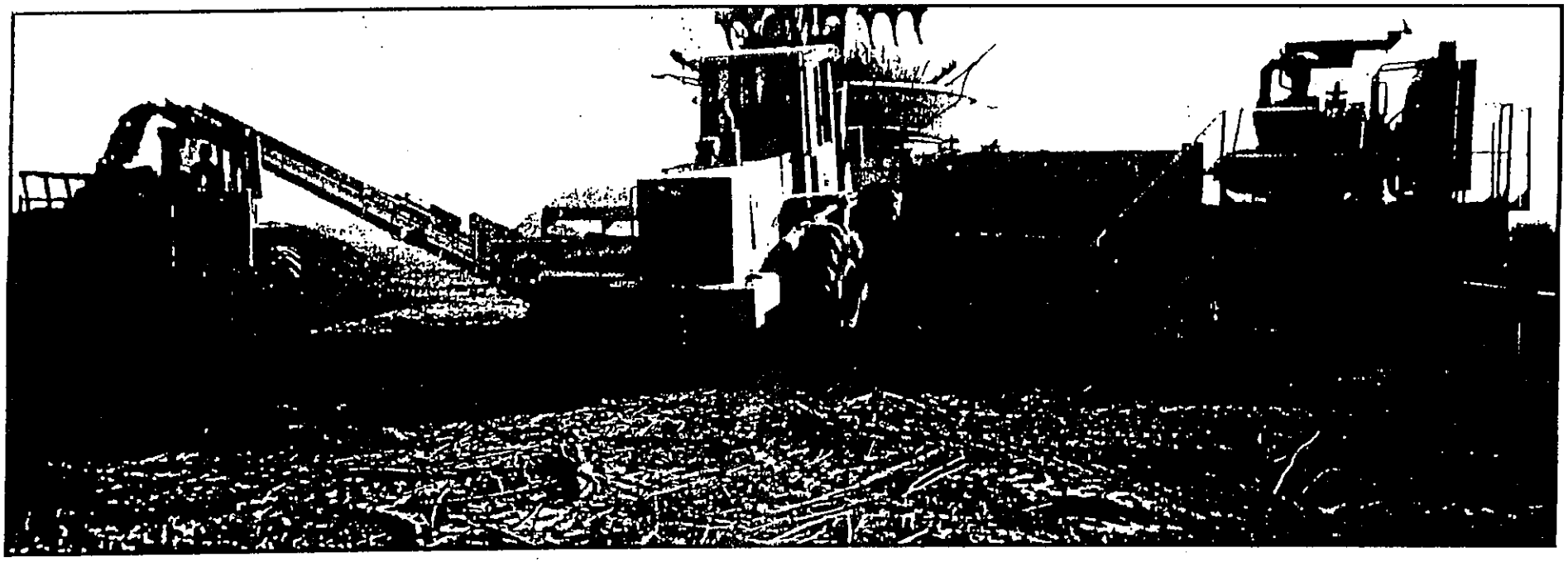
MANUFACTURER'S INFORMATION SHEETS

Diamond Z
MANUFACTURING
NAMPA, IDAHO (208)467-6229

The Diamond Z Tub Grinder is designed to be on the cutting edge of the recycling industry. This machine will convert waste wood into usable products such as mulch, livestock bedding, and biomass fuel to generate power. Recycling is the key we must use to maintain the Earth. In order to survive, it is increasingly necessary for us to use everything and then use it again and again. This is one of the most significant motivations for the development of the Diamond Z Tub Grinder.

Previously discarded materials such as construction waste, demolition materials, vineyard, landscape, and orchard prunings, can be turned into profitable useable products while simultaneously eliminating substantial dumping fees.

With twenty-five years of "in the field, hands on experience" incorporated in the design, the Diamond Z is built tough to last. Ease of operation and maintenance are its primary features. Strength and durability are its hallmark. Production and profits are its biggest asset.



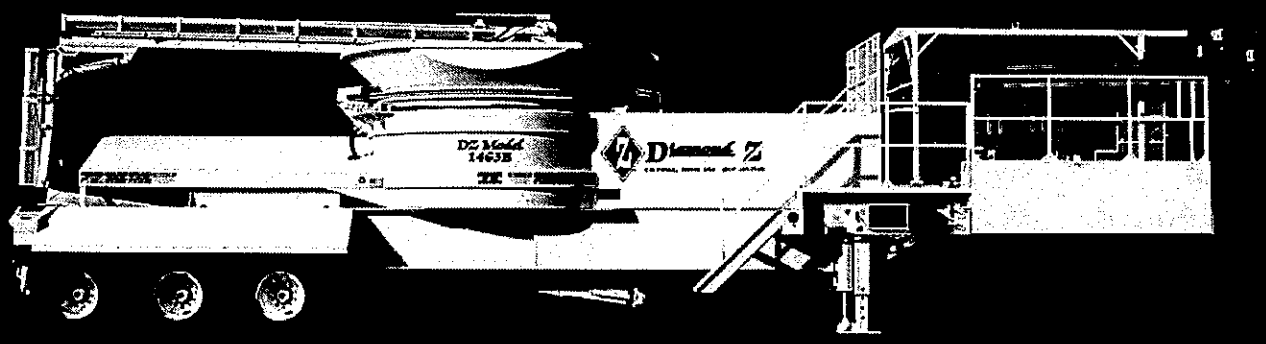
The Diamond Z Tub Grinder will easily grind landfill waste, pallets, demolition, limbs 9' and under and logs up to 10' in diameter. As an added safety feature, a deflector shield helps keep material from being thrown from the tub towards the operator. There is a 90 degree hydraulic tub tilt for easy access to hammers, screens and drive system for ease of maintenance and service.

DZ1463B SERIES

Diamond Z

CALDWELL, IDAHO USA (208) 585-2929

55 years MANUFACTURING EXCELLENCE



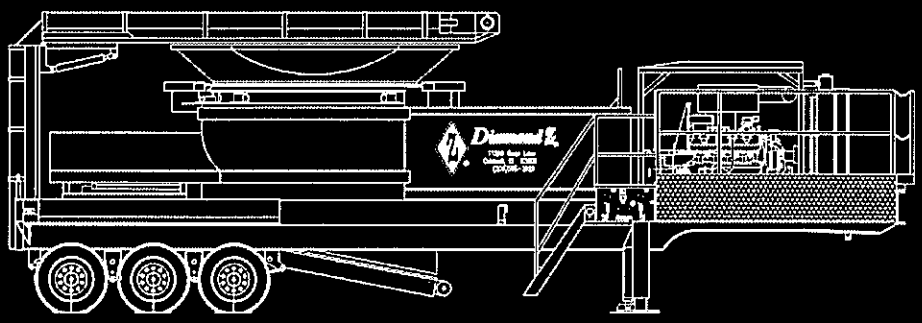
The 1463B is the standard by which all tub grinders are measured. No other grinder can match its power (up to 1,200 horsepower), production, or its versatility. It grinds wood waste, green waste, and even tires at unparalleled rates. Since the first one produced in 1988, the 1463B has continued to out-perform the competition, resulting in the industry's highest resale value.

Please visit our website for more information. www.DiamondZ.com

1463 SPECS

DZT1463B

HORSEPOWER:	1050 TO 1200
TRANSMISSION:	FLUID COUPLING DRIVE
LENGTH:	46'
WIDTH:	11'11"
HEIGHT:	14"
WEIGHT:	96,000 LBS
SCREEN AREA:	6,755 SQIN



PRODUCTION RATES: 120 tph or 800 yph

STANDARD FEATURES: Radio remote control, choice screens, engine cover, fluid coupling mill drive

Weights vary depending on options. Diamond Z reserves the right to improve our products and make changes without notice. Actual products may vary.

SPECIFICATIONS: MODEL PWG 1463

Engine — CAT 3412TA; 800 H.P.

Drive — Twin Disk 18" Clutch w/Powerbands and 2 Dodge Couplers

Rotor — 30" x 63"

Hammer Swing — 49"

Hammers — 26 Fixed with replaceable tips

Hammer Weight — 118 Pounds Fixed (2 1/2") • 140 Pounds Fixed (3")

Screen Size — Various Sizes

Screen Thickness — 1"

Screen Area — 6,758 Square Inches

Weight — 88,000 Pounds

Conveyor — 45" x 20' hydraulic driven with reverse for easier cleaning

Elevator — 30" x 30' hydraulic driven with reverse

Elevator — Folds & elevates by hydraulic controls for fast and easy operation

Fuel Capacity — 900 Gallons (2- 450 gallon tanks)

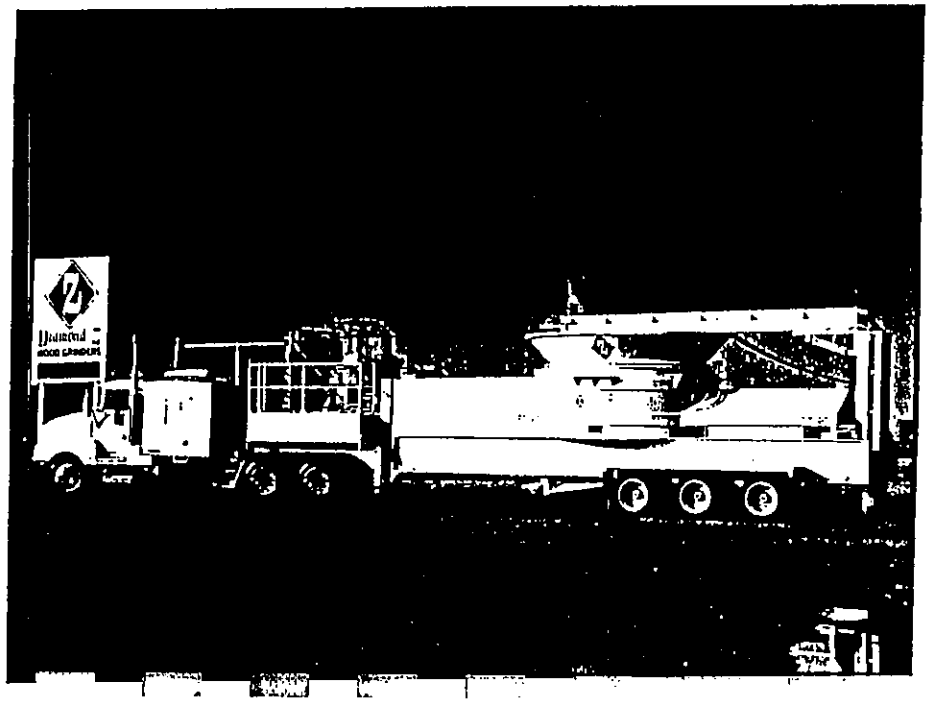
Hydraulic Capacity — 120 Gallons

Tub — 14' top flange funnels down to 10'6" inside diameter hydraulic driven with electronic auto stop & start for load control with electronic auto reverse

Height (transport) — 13'6"

Length (transport) — 45'

(Specifications are subject to change without notice.)



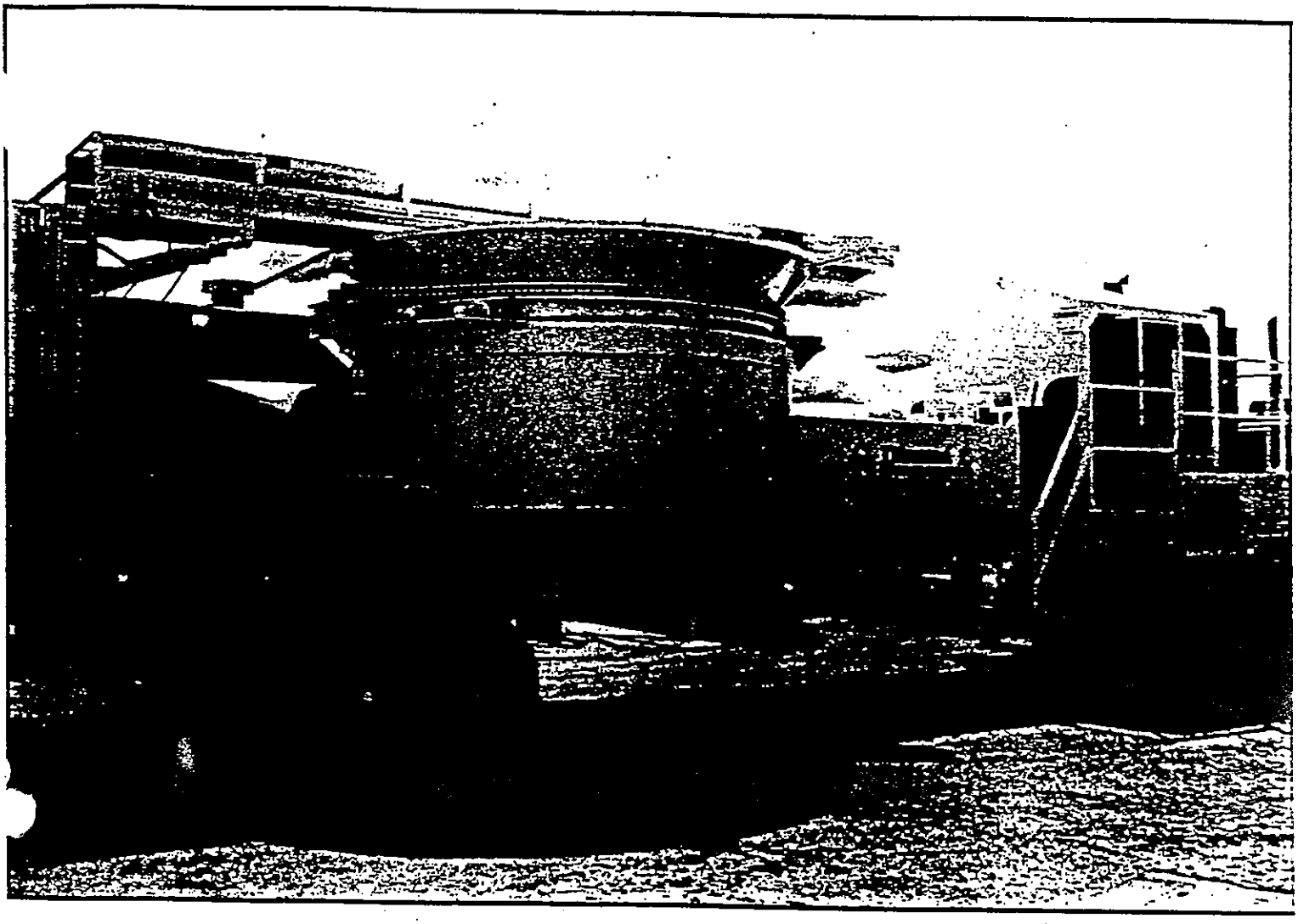
Waste Production Rate

Pallets & Construction Waste	75 to 118 Tons Per Hour
Brush & Yardwaste	40 to 80 Tons Per Hour
Stumps & Logs	25 to 65 Tons Per Hour
Railroad Ties	60 to 80 Tons Per Hour

Diamond Z
MANUFACTURING
NAMPA, IDAHO (208)467-6229

1102 Franklin Blvd.
Nampa, Idaho 83687
FAX 208-467-6390

Portable Wood Grinder Model PWG 1260

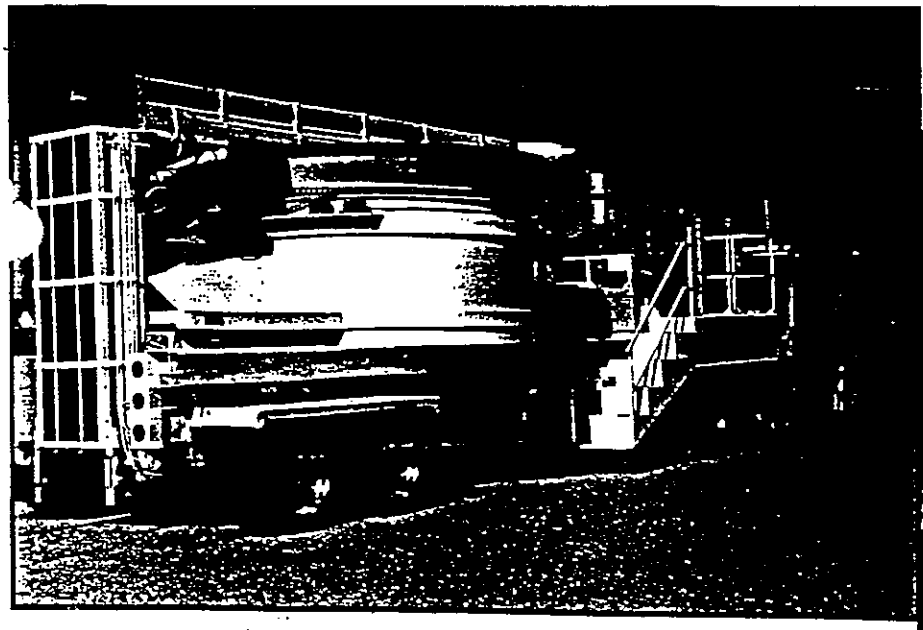


SPECIFICATIONS

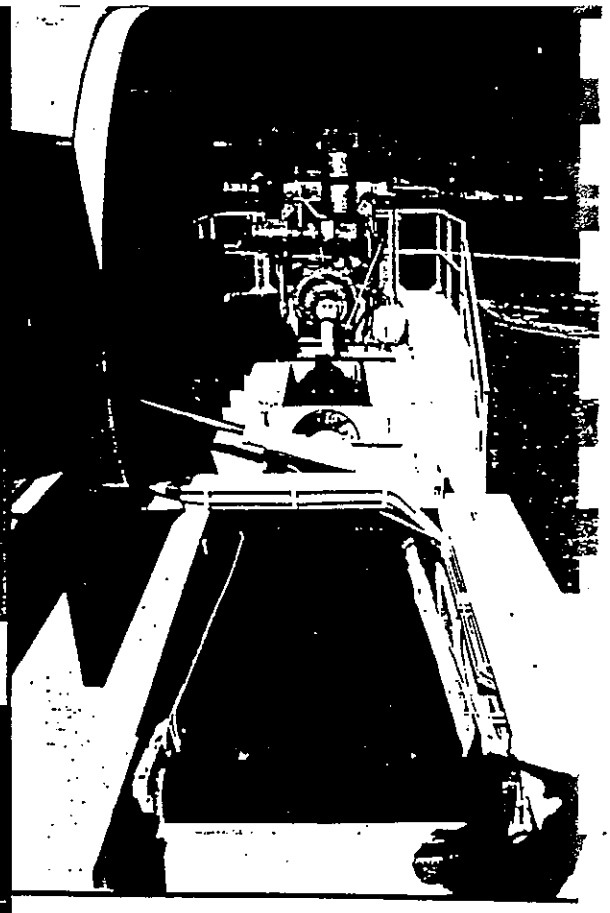
ENGINE – CAT 3408 505 H.P. with optional 3412 650 H.P.
DRIVE – Twin Disc 18" Clutch and 1800 series driveline with torque limiter
ROTOR – 17 1/2" x 60"
HAMMER SWING – 25 1/2"
HAMMERS – 26 or 52 with replaceable tips
HAMMER WEIGHT – 22 lbs. Swinging, 38 lbs. Fixed
SCREEN SIZE – Various Sizes
SCREEN THICKNESS – 3/4"
SCREEN AREA – 3,720 square inches
WEIGHT – 54,000 lbs. with 3408 CAT

CONVEYOR – 46" x 16' hydraulic driven with reverse for easier cleaning
ELEVATOR – 30" x 30' hydraulic driven with reverse
ELEVATOR – Folds and elevates by hydraulic controls for fast and easy operation
FUEL – Capacity 330 gallons
HYDRAULIC – Capacity 100 gallons
TUB – 11' 11" flange funnels down to 9' 8" inside diameter, hydraulic drive with electronic auto stop and start for load control with electronic auto reverse
HEIGHT – 12' 7"
LENGTH – 38'

Diamond Z
MANUFACTURING
NAMPA, IDAHO (208)467-6229

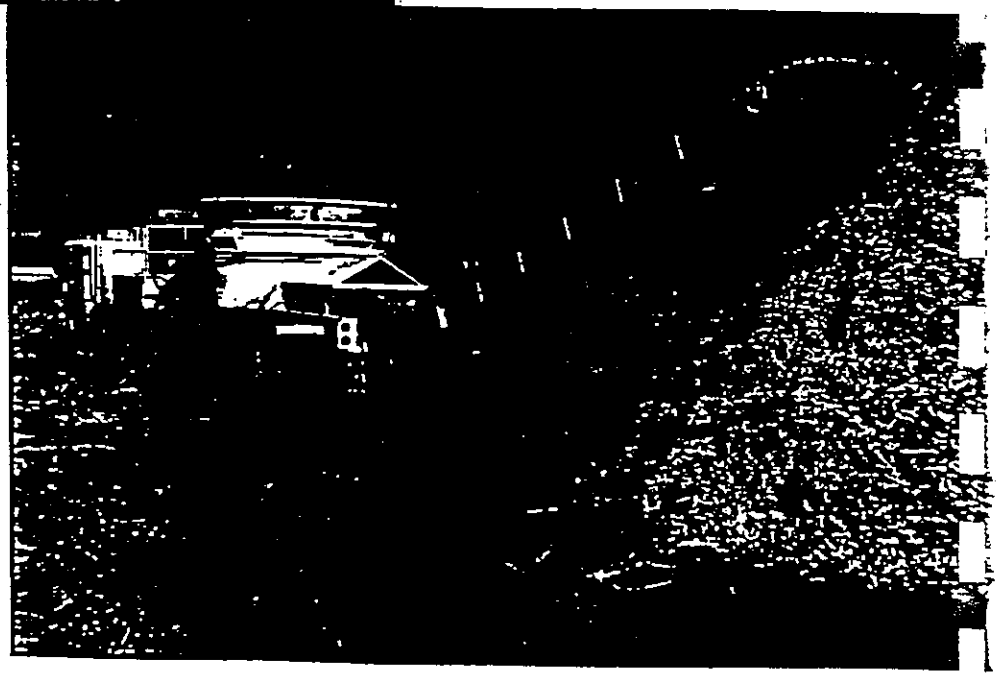


Conveyor folds conveniently and easily over tub for transport.
Setup time and transport preparation time under 5 minutes.



Over 90° hydraulic tub tilt for easy access to hammers, screens, and drive system for ease of maintenance and service. Also, convenient for quick removal of metal and other unwanted foreign material. Hydraulic tub latch locks tub down for safety during operation. During operation, a deflector shield helps keep material from being thrown from tub towards operator, for added safety. Hammers have replaceable tips to eliminate hard facing and reduces downtime by 80%.

The Diamond Z Grinder will easily grind landfill waste, pallets, demolition and limbs 36" and under in diameter.



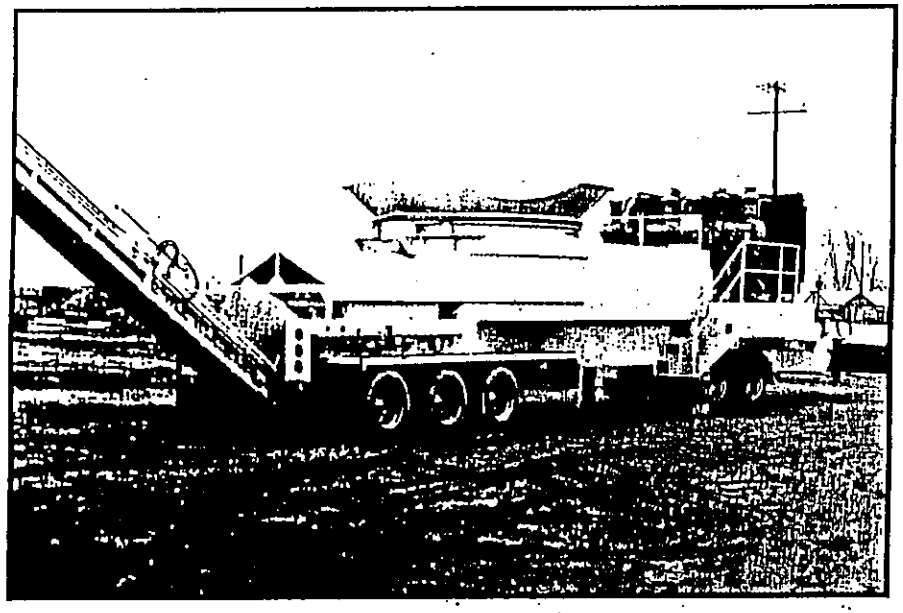
Production Rate

Pallets & Construction Waste	25 to 50 Tons Per Hour
Brush & Yardwaste	25 to 45 Tons Per Hour
Stumps & Logs	10 to 25 Tons Per Hour

Diamond Z
MANUFACTURING
NAMPA, IDAHO (208)467-6229

Printed on Recycled Paper

PWG 1463-T



Diamond Z
MANUFACTURING
NAMPA, IDAHO (208)467-6229

PRODUCTION CAPABILITIES IN TIRES:

- Automobile tires: 1,750-2,600 tires per hour*
- Truck tires: 1400-1,750 tires per hour*
- Mixed automobile & truck tires: 1400-2,100 tires per hour*

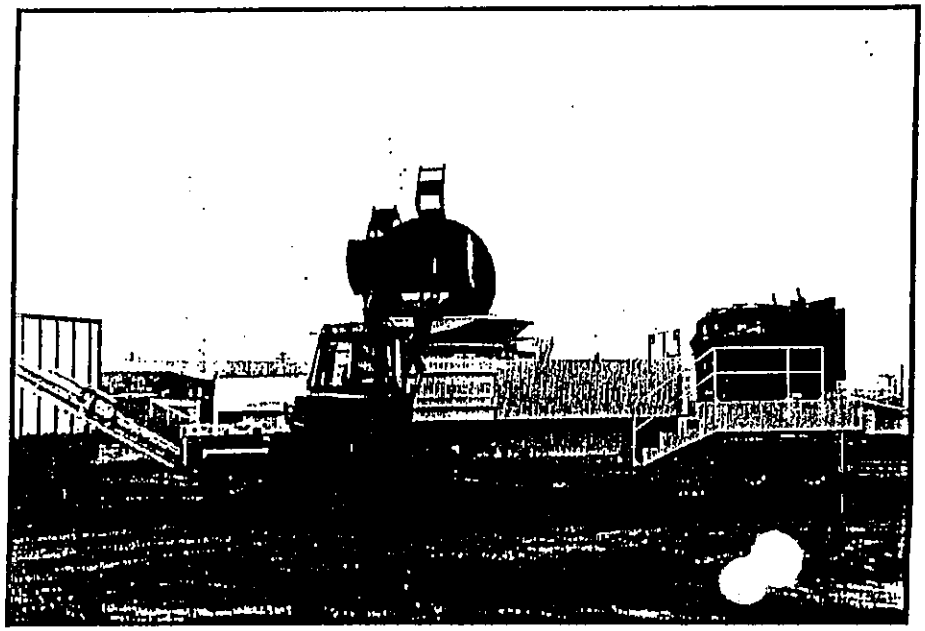
**Production rates will vary depending on screen sizes.*

Diamond Z's 1463-T is the big brother to the PWG 1463

With twin 3412 Caterpillar engines, the 1463-T produces 1600 horsepower consistently.

The PWG 1463-T has the capability to grind tires up to ten (10) feet in diameter. Of course, both the PWG 1463 and the PWG 1463-T will also do solid waste at an astonishing rate, if high volume end product is one of your goals. A "field" changeover from tires to wood will make your PWG 1463 or PWG 1463-T either a tire grinder or waste material grinder.

With either application, the PWG 1463s as with all the other Diamond Z products, will give you, the customer, the best and most [illegible]ble grinder on the market today.



SPECIFICATIONS: MODEL PWG 1463-T

Engine — CAT 3412TA; 2 - 800 H.P.

Drive — Twin Disk 18" Clutch w/Powerbands and 2 Dodge Couplers

Rotor — 30" x 63"

Hammer Swing — 49"

Hammers — 12- 140 Pound Fixed

Screen Size — Various Sizes

Screen Thickness — 1"

Screen Area — 6,758 Square Inches

Weight — 104,000 Pounds

Conveyor — 46" x 20' hydraulic driven with reverse for easier cleaning

Elevator — 30" x 30' hydraulic driven with reverse

Elevator — Folds and elevates by hydraulic controls for fast and easy operation

Fuel Capacity — 600 Gallons (two 300 gallon tanks)

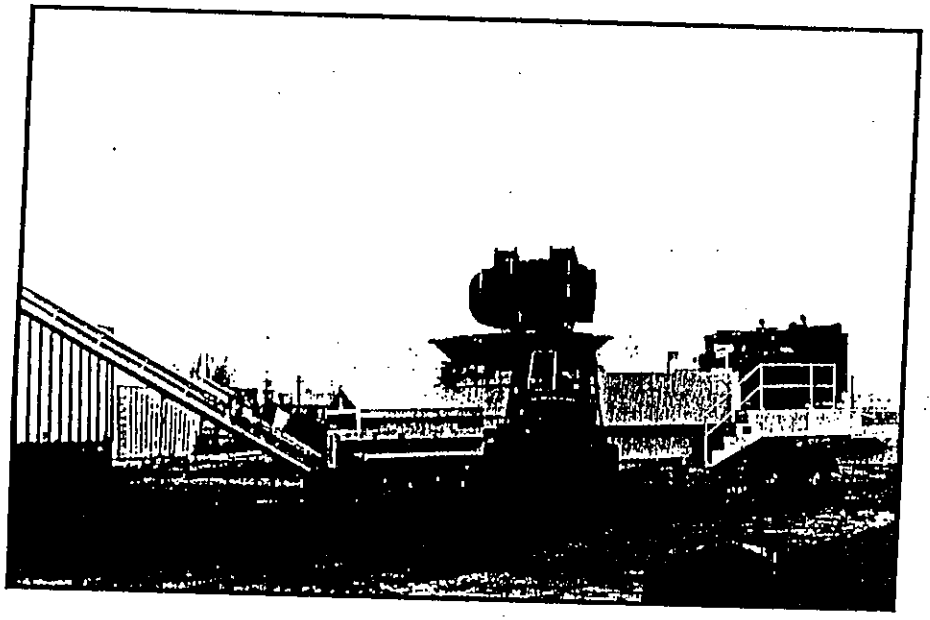
Hydraulic Capacity — 120 Gallons

Tub — 14' top flange funnels down to 10'6" inside diameter hydraulic driven with electronic auto stop and start for load control with electronic auto reverse

Height (transport) — 13'6"

Length (transport) — 48'

(Specifications are subject to change without notice.)



Diamond Z
MANUFACTURING
NAMPA, IDAHO (208)467-6229

1102 Franklin Blvd.
Nampa, Idaho 83687
FAX 208-467-6390

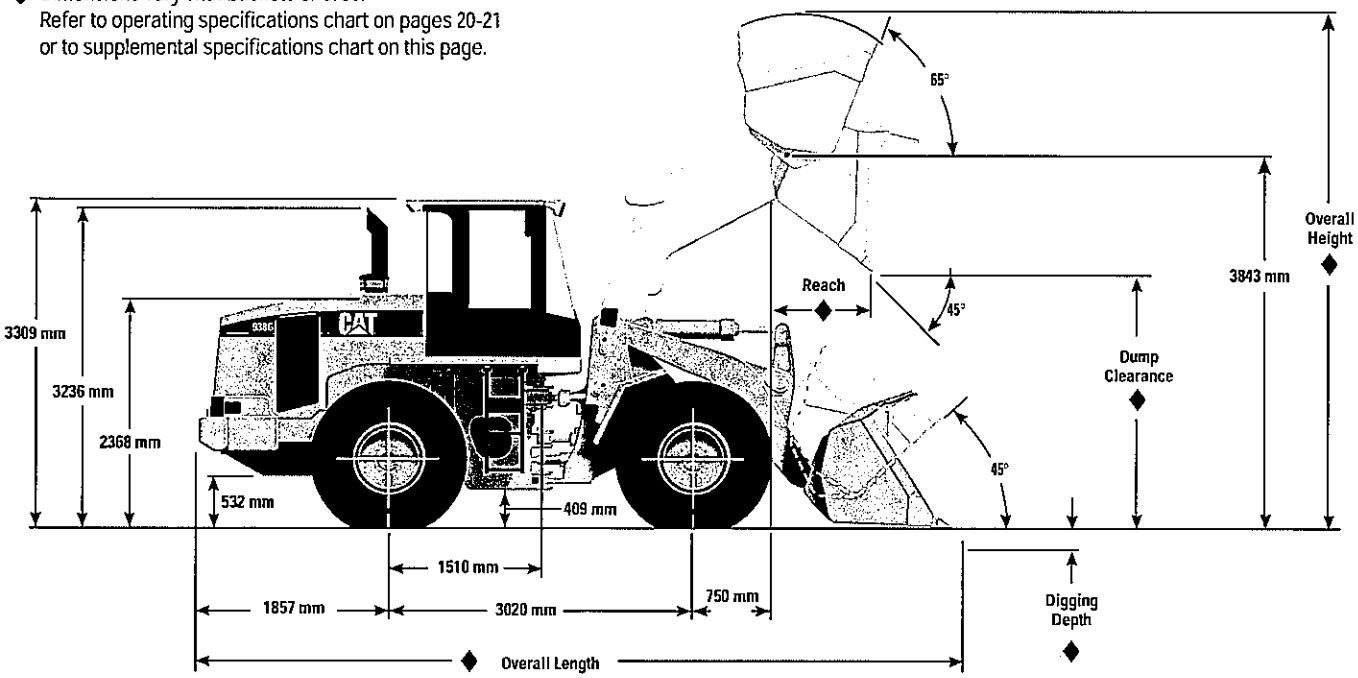
938G
Series II
Wheel Loader

Cat® 3126B ATAAC diesel engine	
Flywheel power	119 kW/160 hp
Maximum flywheel power	134 kW/180 hp
Bucket capacities	2.3 to 3.0 m³
Operating weight	14 000 to 14 700 kg

Dimensions

All dimensions are approximate.

◆ Dimensions vary with buckets or tires.
Refer to operating specifications chart on pages 20-21
or to supplemental specifications chart on this page.



Dimensions listed are for machines equipped with 20.5 R 25 XHA (L-3) tires.
Tread width for all tires is 2020 mm.

Supplemental Specifications

	XHA	XTLA	XLDD2	XLD65
	L3	L2	L5	L3
Dimension	20.5 x R25	20.5 x R25	20.5 x R25	650/65 R25
Width over tires (mm)	2550	2555	2557	2572
Ground clearance (mm)	420	411	449	409
Change in all vertical dimensions (mm)	Used as reference	-9	+29	-11
Tire weight	223	187	336	278
Weight variation (kg)	Used as reference	-144	+452	+220
Change in static tipping load (kg)				
straight	Used as reference	-107	+335	+163
full articulation	Used as reference	-91	+285	+138

	GP2B	RL2+	GP4B	RL5K
Tread type	L2/L3	L3T	L4	L5
Dimension	20.5 x R25	20.5 x R25	20.5 x R25	20.5 x R25
Width over tires (mm)	2555	2564	2553	2577
Ground clearance (mm)	426	421	437	466
Change in all vertical dimensions (mm)	+6	+1	+17	+46
Tire weight	221	247	271	373
Weight variation (kg)	-8	+96	+192	+600
Change in static tipping load (kg)				
straight	-6	+71	+142	+444
full articulation	-5	+60	+121	+377

Operation Specifications

		General Excavation Buckets					
		Bolt-on Cutting Edge	Bolt-on adapters, Tips and Segments	Bolt-on Cutting Edge	Bolt-on adapters, Tips and Segments	Bolt-on Cutting Edge	Bolt-on adapters, Tips and Segments
Rated bucket capacity	m^3	2.3	2.3	2.5	2.5	2.8	2.8
Struck capacity	m^3	2.0	2.0	2.1	2.1	2.4	2.4
Width	mm	2706	2777	2706	2777	2706	2777
Dump clearance at full lift and 45° discharge [4]	mm	2889	2763	2856	2730	2791	2665
Reach at full lift and 45° discharge [4]	mm	977	1062	1015	1100	1091	1176
Reach with lift arms horizontal and bucket level [4]	mm	2185	2332	2235	2382	2335	2482
Digging depth	mm	50	64	50	64	50	64
Overall length [4]	mm	7181	7328	7231	7378	7331	7478
Overall height with bucket at full raise	mm	5140	5140	5188	5188	5284	5284
Loader turning radius with bucket in carry position	mm	5955	6032	5968	6041	5996	6075
Bucket weight	kg	1186	1294	1219	1327	1290	1398
Static tipping load straight [1]	kg	11444	11317	11335	11208	11112	10986
Static tipping load at 37° articulation [1]	kg	9939	9810	9839	9712	9637	9511
Breakout force [2]	kN	126	125	120	119	109	109
Operating weight [1]	kg	13979	14087	14012	14120	14083	14191

[1] Static tipping load and operating weight shown are based on standard machine configuration with sound-suppression cab and ROPS, secondary steering, air conditioning, ride control, 20.5-R25, L-3, tires, full fuel tank, coolant, lubricants, lights, directional signals with CE plates and operator.

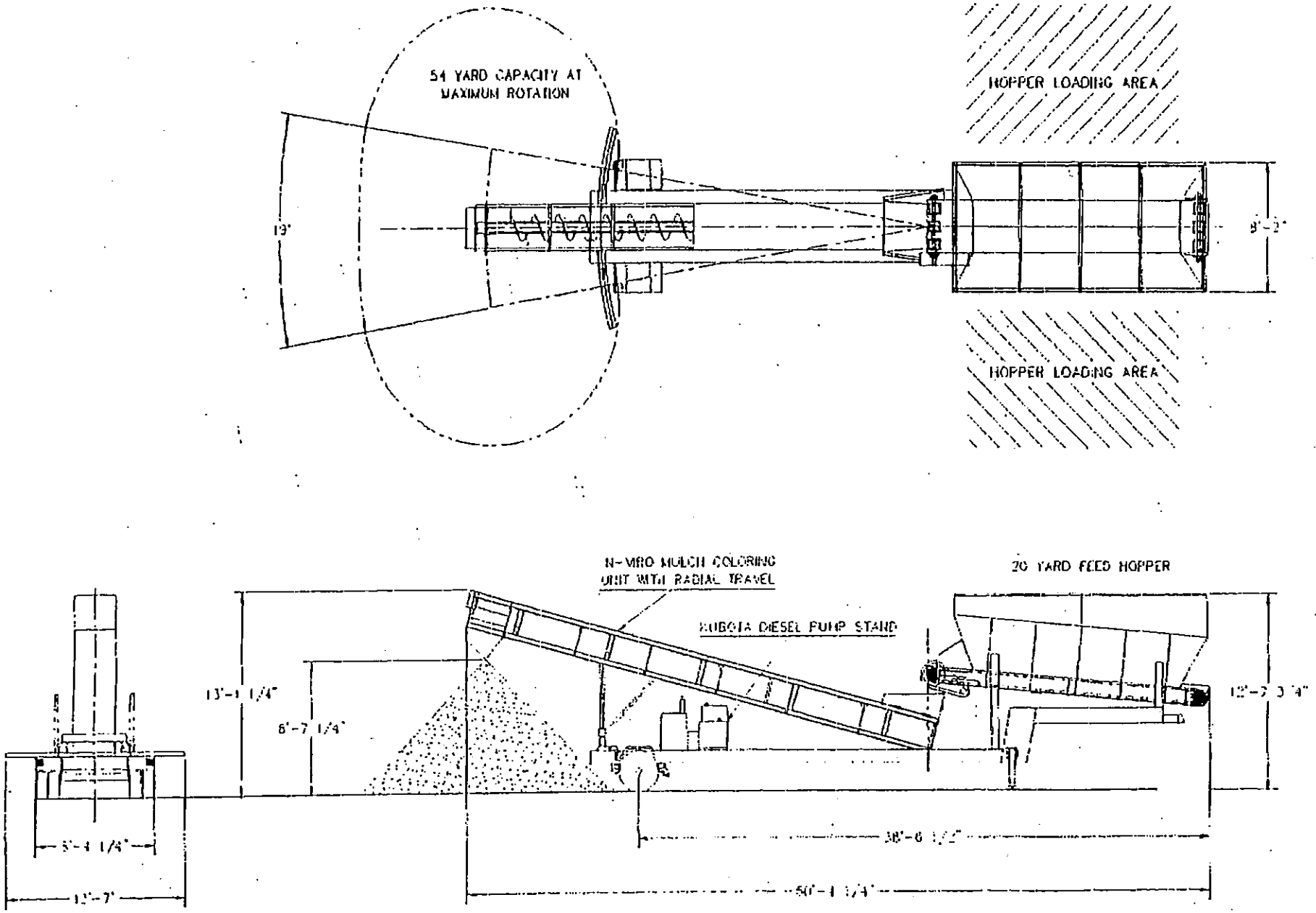
[2] For buckets with adapters, tips and segments, value is measured 102 mm behind the tip of the segment, with bucket hinge pin as pivot point, in accordance with SAE J732C.

[3] All buckets shown can be used on the high lift arrangement. High lift column shows changes in specifications from standard lift to high lift. Add or subtract as indicated to or from specifications given for appropriate bucket to calculate high lift specifications.

Dimensions for dump clearance, reach and overall length:

[4] Actual dimensions taken at the tip of the Ground Engaging Tools, either the tip of the bolt-on cutting edge or the tip of the teeth, type long.

40121-200



MORBARK SALES CORPORATION

TITLE: PERTAINS TO ... COLORING UNIT

DRAWN BY: Doug Jones

DATE:

REV:

GDS SCREENS, INC.
"727" SPECIFICATIONS

6 cyl. 156 HP

ENGINE: John Deere T04039T, continuous ~~110~~ 115 H.P. @ 2,500 RPM
LENGTH: 45'-3"
HEIGHT: 13'-6"
LOAD HEIGHT: 11'-11"
WIDTH: 10'
WEIGHT: 48,000 Lbs.
FUEL CAPACITY: 130 Gallons
HYDRAULIC CAPACITY: 120 Gallons
SCREEN SPECS: 440 square foot screen area . Screens bolt on with Grade 8 x 3/4 self locking nuts for easy removal, replace or size change.

Feed Opening 60"

TROMMEL SPECS: 7' inside diameter x 27'-8" long trommel tube made from 3/8 " steel plate and support rollers ride on 6" steel channels rolled and welded to tube.
TROMMEL DRIVE: A variable speed closed loop system, Eaton series 46 hydrostatic pump and staffa HMB-045 piston motor, with heavy duty #160 chain and sprockets.
FRAME SPECS: 14" x 6" x 1/2" box tubing throughout the frame.
LOADING CONVEYOR & CONVEYOR FRAME: 8 plus cubic yard hopper, 5/16", 48", 3 ply, rubber conveyor belt supported on impact troughing rollers with 1/2" thick frame and 7GA side walls.
BELLY CONVEYOR & CONVEYOR FRAME: 48" wide x 20' long, 2 ply smooth top rubber belt supported by 5 class B troughing rollers.
* **STACKING CONVEYOR & CONVEYOR FRAME:** 36" wide by 15' long, 2 ply Chevron topped rubber belt with stacking height of 8'. Conveyor frame is "C" channel with 3 class "B" troughing rollers. Stacking conveyor folds up hydraulically for transportation.
STABILIZERS: 4, 6" box tube x 3/8" wall and 1 1/2" locking pin with 3" bore, heavy duty hydraulic cylinder for easy and stable set-up.
HYDRAULIC SYSTEMS: Vickers, Charlynn, Staffa, Eaton "Top of the Line Components" with triple steel braided hoses, cooled by thermal transfer.
HEAVY DUTY COOLING SYSTEM: 120 gallon hydraulic fuel tank capacity with dual filtering system for long component life.
REMOTE CONTROL: First in the Trommel Industry with wireless remote. Operates load conveyor and Trommel Screen speeds emergency shut down (A one man operation).
AXLES: Dexter Brand, 20K leaf spring type equipped with DOT air and parking brake system. Tires are super singles.
LIGHTS: Truck light sealed system, DOT approved.
STEEL SUPPORT ROLLERS: 8" diameter x 6 1/2" face, vibrating screen type self-aligning spherical roller bearing and nitrile spring loaded seals. Dynamic load rating of 22 tons each.

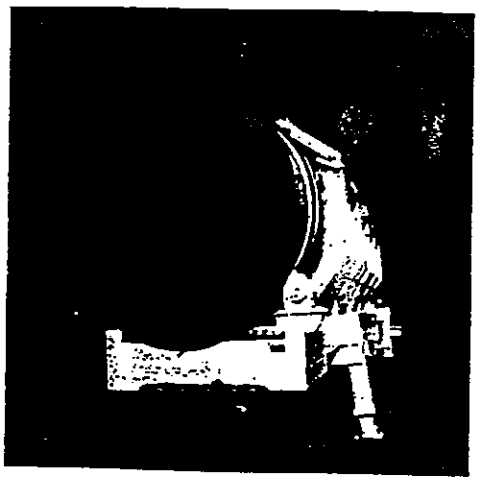
Trommel Screens cleaned by brush system or first in the industry with "Vibration System "For punch plate only".

NOTE: THESE SPECIFICATIONS ARE SUBJECT TO CHANGE TO IMPROVE DESIGN REQUIREMENTS BY GDS SCREENS, INC.

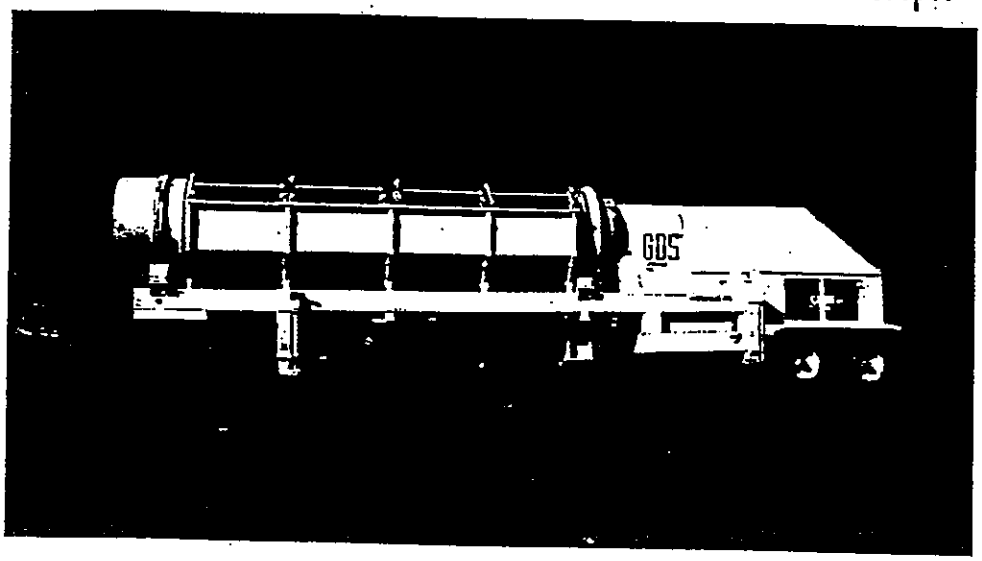
GDS Screens, Inc. did not invent the Trommel Screen. We simply refined it for greater profit, performance, production, durability and reliability for any job.

PT627S MODEL portable trommel

GDS SCREENS INC.



Does what most screens won't even attempt!



The **PT627S Screenmaster** Portable Trommel by GDS Screens is specifically **designed to take rough, tough treatment** of compost, yard waste, wood grinding and land clearing projects. The Screenmaster features a variety of sizes of screen cloth and a 7/16" thick screen drum, the **heaviest in the industry**. It is supported by four 8" self-centering spherical roller bearings, with a 50,000 lb. static load and 45,000 lb. dynamic load rating per bearing. With 20' of actual screen length (376 square ft. of screen area), the 627S provides **more screen** than competitive models – which translates to **higher production at lower cost.** The 627S is driven by a 115hp John Deere water-cooled turbocharged diesel engine for years of trouble-free service. It is equipped with a road-legal fifth-wheel tow arrangement and dual-axle, super single wheel heavy-duty suspension. The Screenmaster **comes complete** with an under-collection conveyor and fold-out fines stacker, achieving a 7'10" stock-pile height. This machine is **hydraulically equipped** to run an additional 40' radial stacker, boosting the stockpile capability to a height of 15'6". All PT627 **models** come with complete remote control operations and are furnished with four hydraulically operated support legs for **ease of operation and quick portability** – at no extra charge. GDS also provides the added advantage of a 1-year bumper-to-bumper warranty and 24-hour emergency parts service.

GDS has a variety of trommel sizes and configurations to handle every conceivable job including:

- Compost
- Yard waste
- Municipal solid waste
- Sand & gravel
- Topsoil
- Land clearing
- Coal slurry
- Landscape operations
- Wood chips
- Landfill mining
- Sludge
- Construction & demolition debris

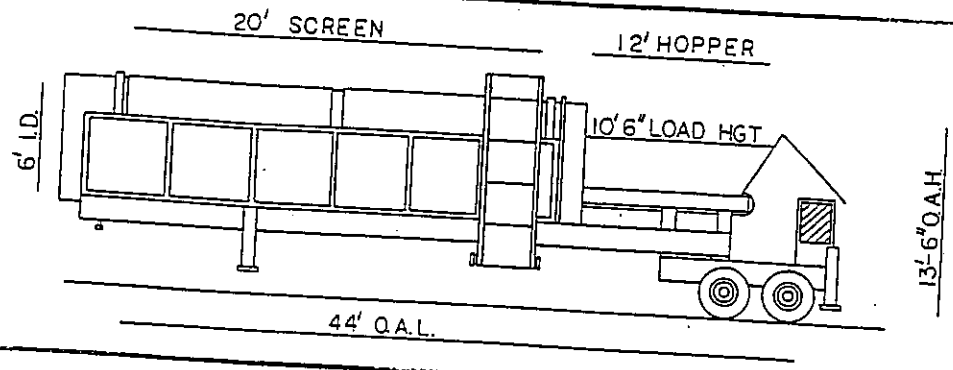
3450 Dr. Martin Luther King Jr Blvd. Riviera Beach, FL 33404
407 840.8481 FAX 407.845.0092

PT627S MODEL portable trommel specs

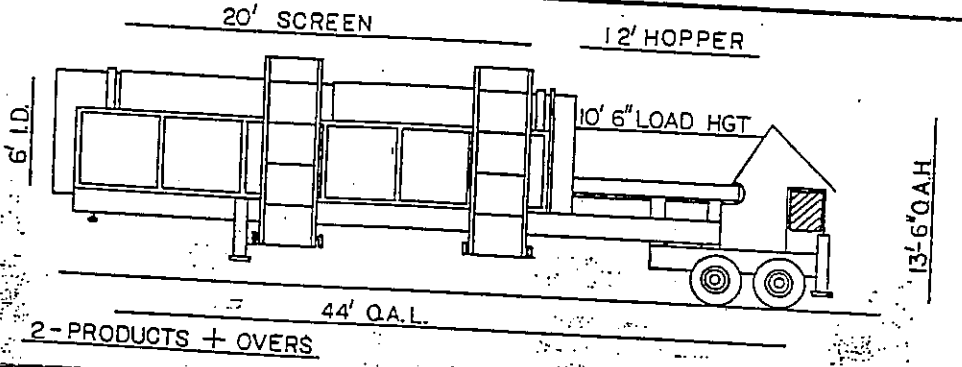
SPECIFICATIONS

Length ..... 44'7"
Width ..... 9'3"
Height ..... 13'6"
Weight ..... 45,000 lbs.

PT627S Screenmaster



PT627D Screenmaster



FEATURES

- 6' diameter by 27'-long drum with 20' of actual screen cloth (376 square ft. screen area)
- 14" diameter brushes prevent clogging or binding of screen
- Flat unrestricted in-feed drum opening for large, bulky items
- 42" wide fold-out fines stacking conveyor with drop height of 7'10"
- 115hp John Deere water cooled diesel engine
- Closed-loop hydraulic system
- Complete remote control operations
- Road-legal fifth-wheel tow arrangement
- Dual-axle, super single wheel heavy-duty suspension with a load rating of 20,000 lbs. per axle
- Emergency shut-down switch – remote or manual
- 1-year bumper-to-bumper warranty
- 3-year extended warranty on GDS manufactured components

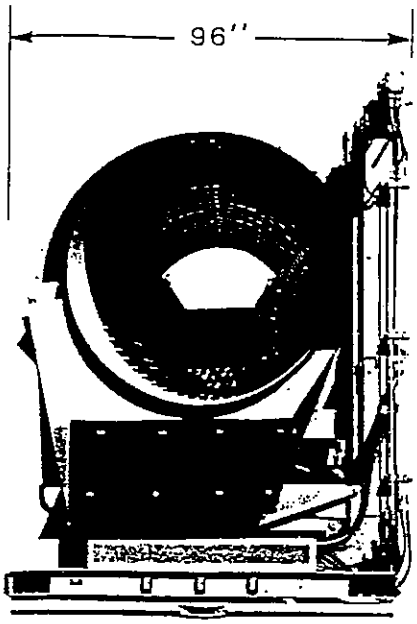
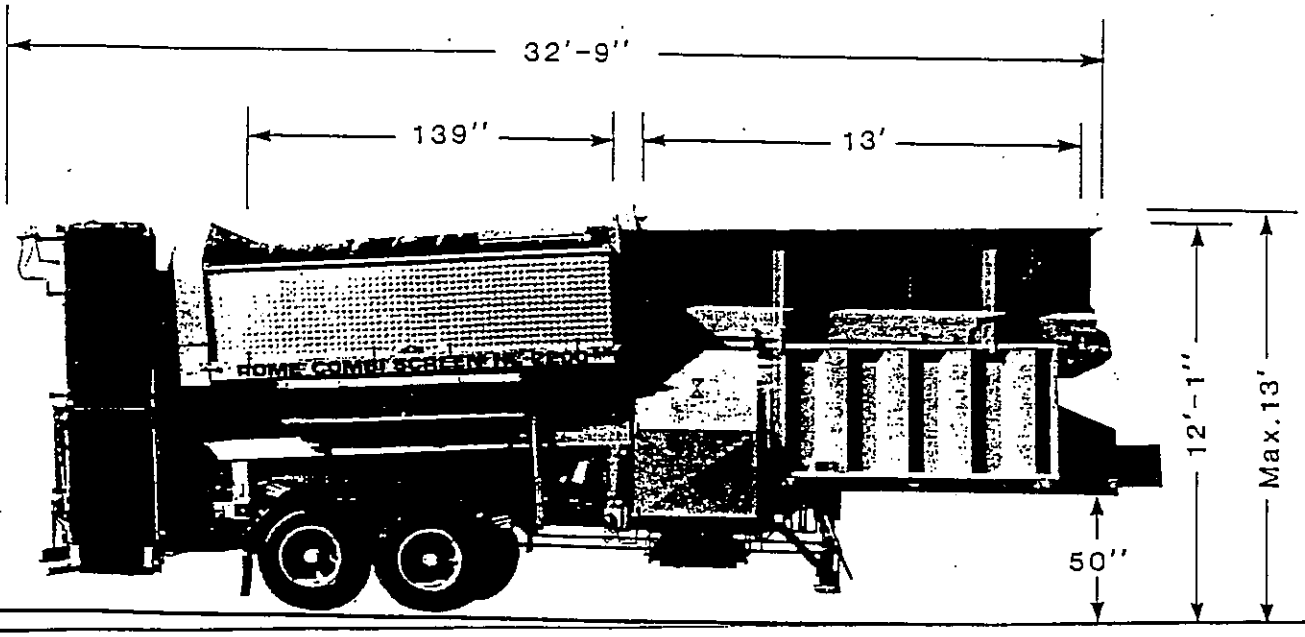
OPTIONS

- Heavy-duty drum
- Bi-fold extra-long conveyors
- Punch plate 3/8" or 1/2" thick
- Various punch plate hole sizes
- Dual products split machine
- 36" wide, 40' attachable overs stacker with drop height of 15'6"

GDS Screens today for a dealer in your area!

Printed on Recycled Paper
10% post-consumer waste
50% total recycled fiber

TRANSPORT POSITION



OTHER AVAILABLE MODELS INCLUDE STATIONARY, SKID MOUNT AND SINGLE DRUM SCREENS.