

RECEIVED

CONCRETE BATCHING PLANTS
AIR GENERAL PERMIT EXAMPLE REGISTRATION WORKSHEET

AUG 26 2011
DIVISION OF AIR
RESOURCE MANAGEMENT

Facility Identification Number - If known (seven digit number)

0251343-001

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing permitted facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit). If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. (See "Surrender of Existing Air Operation Permit(s)" below.)
- Operates an existing facility not currently permitted or using an air general permit.

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C.
- Any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only, if Applicable

All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Bouygues Civil Works Florida/Nicholson Construction Co.

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a complete registration must be submitted for each.)

Port of Miami Tunnel Project

Facility Location (Physical location of the facility, not necessarily the mailing address.)

Street Address: 1050 MacArthur Causeway

City: Miami

County: Miami-Dade

Zip Code: 33132 - 1613

Facility Start-Up Date (Estimated start-up date of proposed new facility.)(N/A for existing facility.)

September 16, 2011

FLORIDA DEPARTMENT OF
2011 AUG 22 AM 8:38
DIVISION OF AIR RESOURCE MANAGEMENT



FLORIDA

General Contractor License No. CGC062569

August 17, 2011

Florida Department of Environmental Protection (FDEP)

Division of Air Resource Management
3800 Commonwealth Blvd.
Mail Station 77
Tallahassee, FL 32399

Attention: Dickson Dibble

BCWF Ref: BCWF / 05503

Your Ref:

Re: Port of Miami Tunnel Project: Air General Permit Registration

Dear Mr. Dibble:

In regards to the on-going Port of Miami Tunnel Project, Bouygues Civil Works Florida (BCWF) is submitting an Air General Permit Application to the FDEP for approval. The layout and specifications of the grout plant are enclosed. The plant will be located within our construction site on Watson Island, in the same location as the previously used and permitted grout plant (ARMS No. 775660-001). The anticipated duration for use of the grout plant is from September 2011 to September 2012.

If you should have any questions when reviewing this information, please do not hesitate to contact our Permit Coordinator, Graham Smith, at 305-310-5899 or g.smith@bcwf-miami.com. We look forward in continuing to work with the FDEP throughout the permitting process of the Port of Miami Tunnel Project.

Best Regards,

Louis Brais
Project Executive, BCWF

On behalf of BCWF
Port of Miami Tunnel Project

Enc: - FDEP Air General Permit Registration
- Permit Fee (\$100.00)

Cc int: JFo, DMe, PBo, PPa, ^{RAM} [initials], LPe, GSh, MMA

Cc ext.: Jennifer Smith (FDEP), Isa Nunez (FDOT), John Palenchar (FDOT), Mauricio Gomez (FDOT), Dorian Valdes (POM), Guillaume Dubois (MAT), Rick Wilson (MAT)

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2011 AUG 22 AM 9:38
FILING RECEIVED

Facility Contact

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: Larry Goff Sr. - Construction Manager

Facility Contact Telephone Numbers

Telephone: 412-848-0917

Fax: 305-374-8692

Cell phone: 412-848-0917

E-mail: larry.goff@nicholsonconstruction.com

Facility Contact Mailing Address

Organization/Firm: Bouygues Civil Works Florida

Mailing Address: 1050 MacARTHUR Causeway

City: Miami

County: Miami-Dade

Zip Code: 33132

Other Contact/Representative (to serve as additional Department contact)

Name and Position Title

Print Name and Title: Don Lambert- Equipment Director

Other Contact/Representative Telephone Numbers

Telephone: 412-221-4500

Fax: 305-374-8692

Cell phone: 410-979-7247

E-mail: don.lambert@nicholsonconstruction.com

Other Contact/Representative Mailing Address

Organization/Firm: Bouygues Civil Works Florida

Mailing Address: 1050 MacArthur Causeway

City: Miami

County: Miami-Dade

Zip Code: 33132

FLORIDA DEPARTMENT OF
INDUSTRIAL PROTECTION
2011 AUG 22 AM 9:38
FINANCIAL RECORDS DIVISION

Type of Facility

Check one:
 Stationary Facility Relocatable Facility

Type(s) of Reasonable Precautions Used to Prevent Unconfined Emissions

Check all precautions to be used for the management of roads, parking areas, stock piles and yards:

Pave Roads **Pave Parking Areas** **Pave Yards**
 Maintain Roads/Parking/Yards **Use Water Application** **Use Dust Suppressant**
 Remove Particulate Matter **Reduce Stock Pile Height** **Install Wind Breaks**

Check all precautions to be used for the management of drop points to trucks:

Spray Bar **Chute** **Enclosure**
 Partial enclosure

Equipment Details Provide information for each silo, weigh hopper (batcher), and other enclosed storage and conveying equipment that are limited to a visible emissions of 5 percent opacity pursuant to Rule 62-296.414(1), F.A.C.

PROCESS EQUIPMENT TYPE (silo, weigh hopper, batcher, etc.)	PROCESS EQUIPMENT IDENTIFICATION*	CONTROL DEVICE (baghouse, vent filter, etc.)	CONTROL DEVICE MANUFACTURER	CONTROL DEVICE MODEL NUMBER
Silos-dry bentonite	350 barrel	Baghouse		
Silos-dry cement	350 barrel	Baghouse		
Automated Grout Plant	2.5 cyd capacity		PennDrill PDSD 2000E	PDSD 2000E
Concrete agitator/transporter	Capacity 1.3 cyd		AGIMAX	
Stationary concrete dispenser	Capacity 10 cyd		CEMEN TECH	SCD 10-200
Portable silo	200 barrel	<i>VENT FILTERED</i>	PennDrill PD 800E	PD 800E

* If there are multiple pieces of the same types of process equipment (more than one silo, etc), provide an identifier (location, numeric designation, capacity or product) specific to each piece of equipment.

Please see attachments.

FLORIDA DEPARTMENT OF
 ENVIRONMENTAL PROTECTION
 2011 AUG 22 AM 9:38
 FIVE STAR ACCOUNTING
 R. VILLORE

Description of Facility

Below, or as an attachment to this form, provide a description of the concrete batching plant operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe type of concrete product(s) manufactured, all air pollutant-emitting processes, and identify any air pollution control measures used. Mobile source equipment information is not needed (eg: trucks, bulldozers, front-end loaders, etc.)

Grouting plant consists of two(2) vertical silos, an automated grout plant, one (1) portable silos, one (1) water tank, two concrete dispenser and eight(8) concrete agitator/ transporter slurry mix.. The plant will be used to produce a mortar mix. The mortar mix design consists of a water/bentonite-cement slurry/sand. Bentonite-cement slurry consisting of the bentonite, cement, and water proposed for the bentonite-cement will be mixed using a high-speed colloidal mixer. The bentonite-cement slurry will be pumped into a concrete agitator/transporter slurry storage mix, then will be added a measured amount of Lake fill fine aggregate for the proposed mortar mix design to the stationary concrete dispenser mixing drum using skid steer with known volume to the hopper that feeds conveyor that transport material into the concrete agitator/transporter. Dry cement and dry bentonite will be delivered to the vertical silos; sand will be delivered in stock piles in contained areas.

Silos control device will consists of a Bin vent Baghouse dust collector is specifically designed to work on top of silo to filter debris and dust particles that tend to form naturally at the top of the storage.

Mix components consists:

- 1) Cement to be use is a CEMEX Type -/II.
- 2) Filtrate reducer is a super thin CETCO.
- 3) Bentonite Premium Gel or Supergel from CETCO.
- 4) Fine aggregate.

Helpful Definitions.

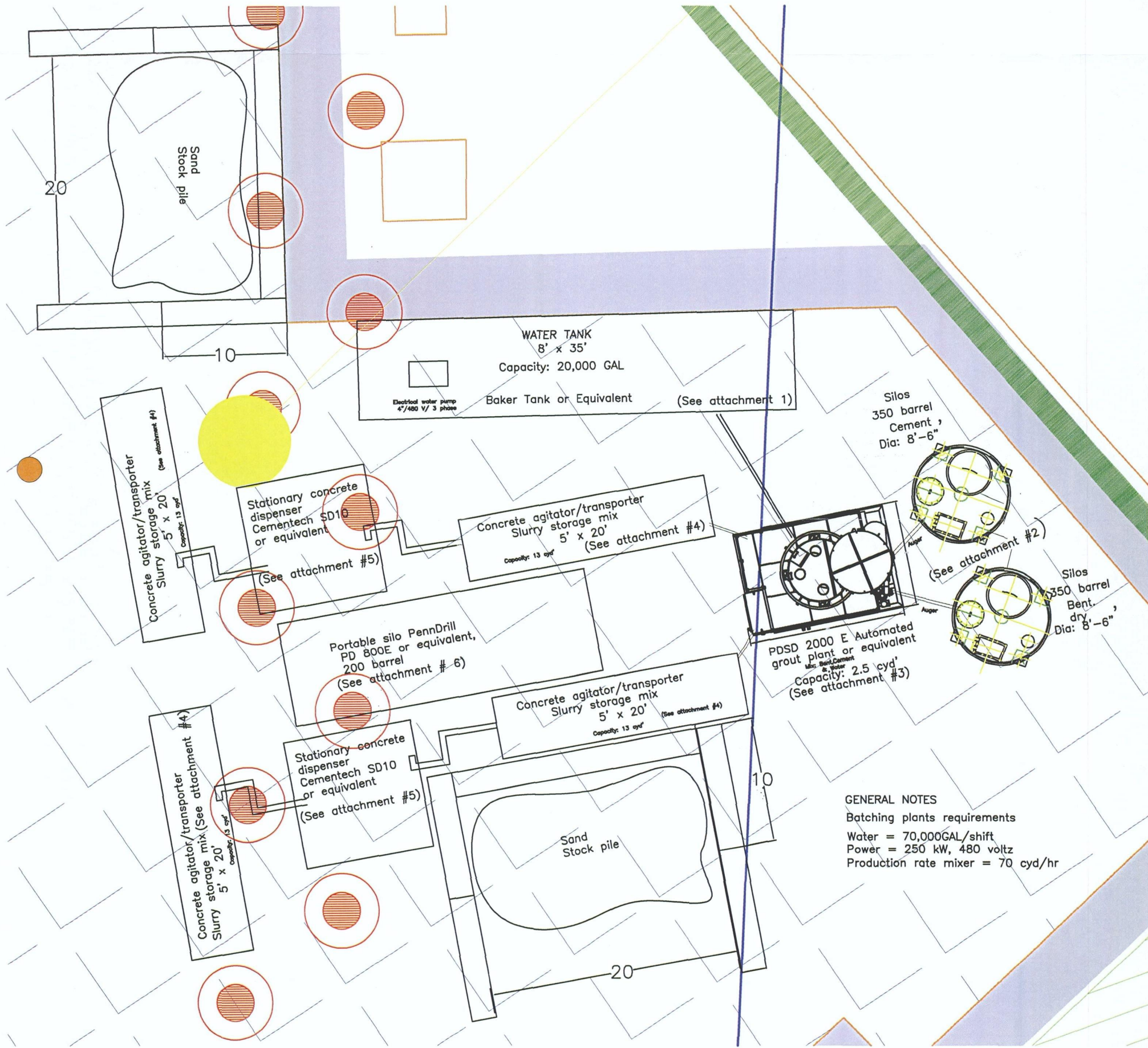
"Emissions Unit" - Any part or activity of a facility that emits or has the potential to emit any air pollutant.

"Facility" - All of the emissions units which are located on one or more contiguous or adjacent properties, and which are under the control of the same person (or persons under common control).

"Owner" or "Operator" - Any person or entity who or which owns, leases, operates, controls or supervises an emissions unit or facility.

"Relocatable Facility" - A facility such as, but not limited to, an asphalt plant, portable power generator, or concrete batch plant, which is designed to be physically moved to, and operated on, different sites by being wholly or partially dismantled and re-erected in essentially the same configuration. It shall not be operable while in transit.

"Unconfined Emissions" - Emissions which escape and become airborne from unenclosed operations or which are emitted into the atmosphere without being conducted through a stack.



GENERAL NOTES
 Batching plants requirements
 Water = 70,000GAL/shift
 Power = 250 kW, 480 voltz
 Production rate mixer = 70 cyd/hr

PRODUCT DATA SHEET

October, 2007

OPEN ACCESS TANK

GENERAL INFORMATION

This tank is designed to provide easy viewing of the contents and is a variation of the standard Open Top tank. A fixed stairway has been added to the rear of the Open Top tank, as well as a catwalk from the stairway landing to the center catwalk.

WEIGHTS AND MEASURES

» Capacity:	500 BBL (21,000 gal.)
» Height:	12'-5" (grade to roof)
» Width :	8'-0"
» Length:	35'-0"
» Weight:	18,000 lbs. (approx.)

STRUCTURAL DESIGN

» Floor:	¼" thick ASTM A36 carbon steel
» Sides/Ends:	¼" thick ASTM A36 carbon steel
» Wall Frame:	Structural steel channel/angle on interior side
» Floor Frame:	6" carbon steel I-beam on exterior side
» Top Frame:	Structural steel for catwalks
» Internal Cross Bracing:	17 - 3"x3"x¼" angle iron

FEATURES

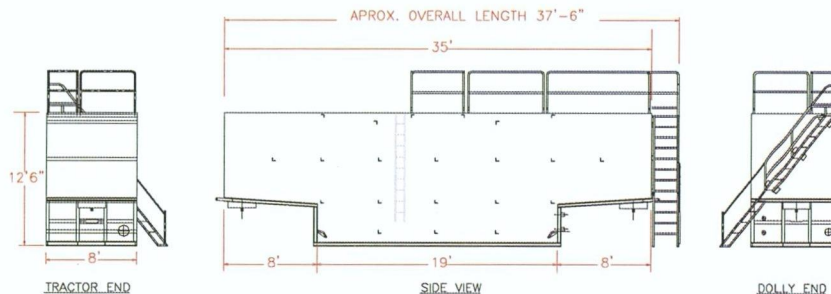
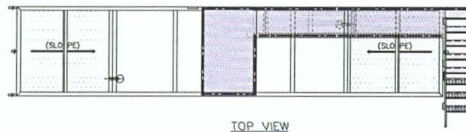
» Valves:	1-4" butterfly valve front end – driver side; 1-4" butterfly valve rear end – passenger side (some tanks have 6")
» Relief Valve:	None
» Interior Access:	Open top with catwalk from stairway to middle and then across the tank
» Exterior Stairway:	Rear end – lower section folds for extension and retraction. Stairway includes handrails.
» Internal Ladder:	One; fixed and accessed from catwalk
» Bottom Sump:	One on each end of tank, either flat bottomed, 12" diameter, 3" deep, or domed, 14" diameter, 4" deep
» Front Inlet:	4" diameter capped nipple
» Front Drain:	4" diameter capped nipple (some tanks have 6") (some may also be total drain with valve)
» Level Gauge:	None
» Guardrails:	Along stairway and catwalks only
» Rear Wheels:	Removable dolly (not a fixed axle)

SURFACE DETAILS

» Exterior Coating:	High Gloss Polyurethane
» Interior Coating:	None

TESTS/CERTIFICATIONS

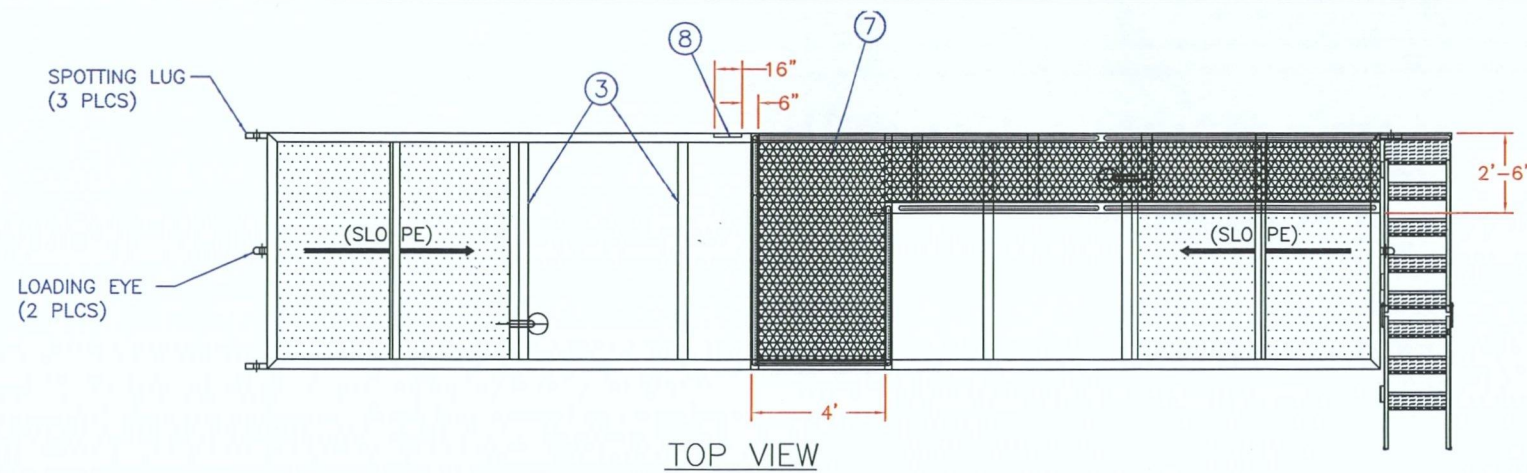
» Test Performed:	Major repairs – hydrotest Scheduled- Level I, II and III inspections
-------------------	---



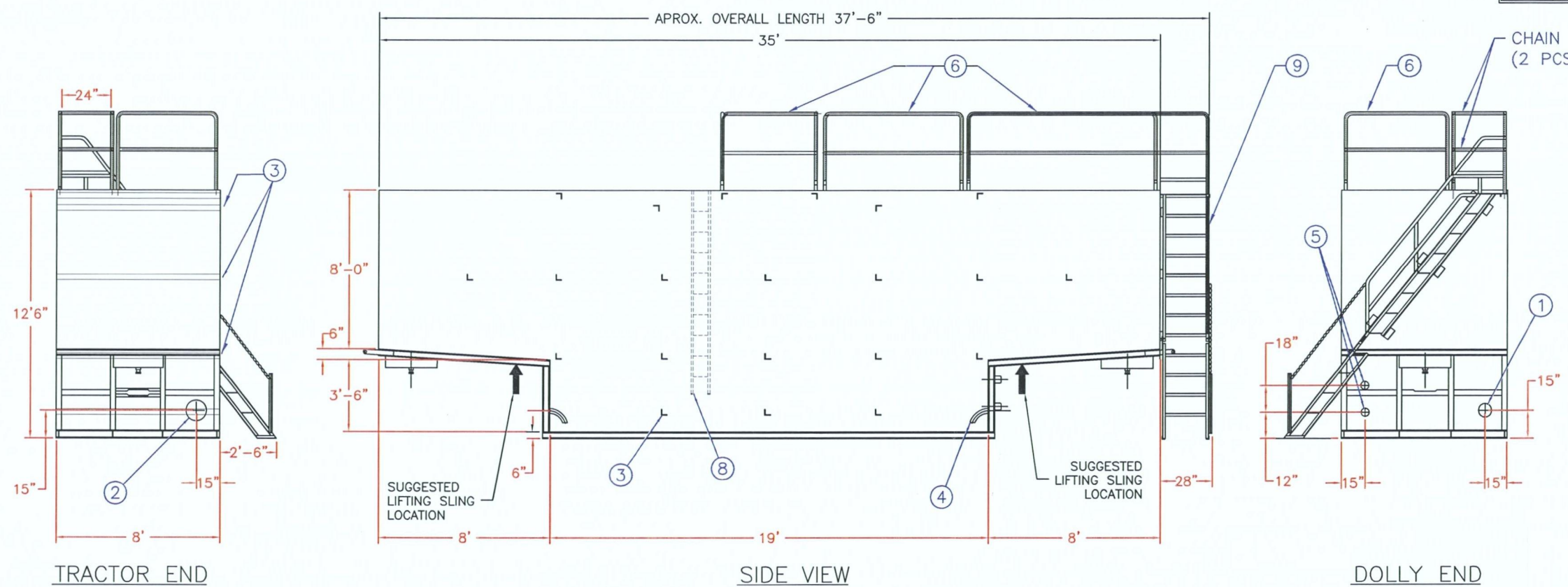
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 FINANCE & ACCOUNTING
 2011 AUG 22 AM 9:38
 REVENUE

To the best of our knowledge the technical data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. No guarantee of accuracy is given or implied because variations can and do exist. NO WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY BAKERCORP, EITHER EXPRESS OR IMPLIED.

ITEM	QTY	DESCRIPTION
1	1	4" BUTTERFLY VALVE (SEE NOTE 1)
2	1	6" BUTTERFLY VALVE (SEE NOTE 1)
3	TBD	INTERNAL CROSS TIES
4	2	SUMP DRAW
5	2	4" DIA. CAPPED NIPPLE (SEE NOTE 1)
6	1 SET	OSHA COMPLIANT FOLDABLE CATWALK HANDRAIL
7	1	EXPANDED METAL CATWALK
8	1	INTERNAL LADDER
9	1	OSHA COMPLIANT STAIRWAY AND RAILS



TOP VIEW



TRACTOR END

SIDE VIEW

DOLLY END

(Cross Ties Not Shown for Clarity)

SPECIFICATIONS:

- 1) Tank Capacity: 21,000 gallons (500 BBL)
- 2) Tank Weight: 18,000 - 19,000 lbs. (empty)
- 3) Material of Construction: A36 Carbon Steel

NOTES:

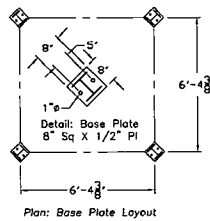
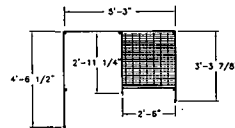
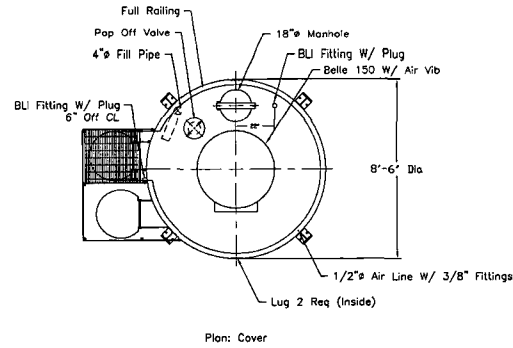
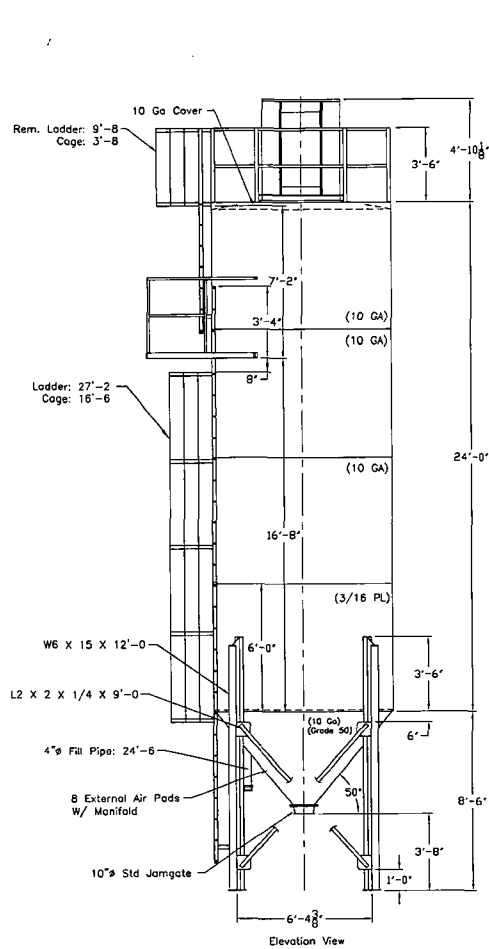
- 1. This drawing is a baseline representation for this model of tank. Variations between this drawing and the actual equipment in the field can and do exist, primarily with appurtenance locations, sizes and quantities. Consult your local BakerCorp representative if specific needs exist.
- 2. THESE TANKS ARE NOT DESIGNED FOR TRANSPORTING LIQUIDS. Tanks should be moved only when empty.

The information contained herein is proprietary to BakerCorp and shall not be reproduced or disclosed in whole or in part, or used for any design or manufacture except when user obtains direct written authorization from BakerCorp.

BAKERCORP™ 3020 OLD RANCH PARKWAY
SEAL BEACH, CA 90740-2751

G				SCALE:	None	SIZE	B	ORIGINAL DWG. DATE	12MAR02
F				DRAWN BY:	A. R.	APPROVED BY:	-	CAT/CLASS	--
E				TITLE	OPEN ACCESS TANK			SHEET	1 OF 1
D				DRAWING NO.	S-1-M0005-1-			REV.	A
C									
B									
A	ADDED HIDDEN LINES	7/12/05	Z.E.R						
REV.	DESCRIPTION	DATE	BY						

Qty	Material List
4	W6 X 15 X 12'-0 MOE 40'
8	L2 X 2 X 1/4 X 9'-0
1	4" Fill Pipe W/ Alum Adapter: 24'-6
16	8" X 1/4" X 8" Leg Plates
4	12" X 1/4" X 12" Brace Plates



GENERAL NOTES:
 1.) Paint White (Options: Light Grey, Dunes Tan, Or Cot Yellow)
 2.) Include (2) BLI Plug

Customer Approval Drawing
 Please Sign and Return One Copy
 Signed:

BELGRADE STEEL TANK	TITLE:	350 BBL BASIC SILO
	DRAWING NUMBER:	D-081198
	DATE:	8/11/98
	SCALE:	3/8"=12"
	DRAWN BY:	LPR
	SHEET:	1 OF 1
REVISED:		
RFJ	APPROVED BY:	
SERIAL#		
FOR:		
JOB:		

THIS DRAWING IS THE PROPERTY OF BELGRADE STEEL TANK, INC. IT SHALL NOT BE USED OR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WITH WRITTEN AUTHORIZATION. ALL RIGHTS RESERVED.



540-459-5309 Office
540-459-3071 Fax

273 Lakeview Dr.
Woodstock, VA 22664

PennDrill Manufacturing
Woodstock, VA Division

PDSD2000E Automated Grout Plant

The PD SD2000 E Automated Grout Plant is the leader in grout production and automation in the industry today.

This machine can produce up to 40 cubic meters of grout per hour.

The automation program will allow you to create recipes to meet your specific requirements. The control program will control up to 2 silos as well as 2 agitation tanks making your operation virtually unmanned.

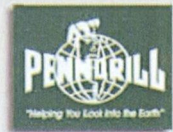
The program can also be modified to communicate with data logging programs as well as real time monitoring processes.

100% customizable to your operation. We build it the way you need it.



Leaders in ground engineering equipment





540-459-5309 Office
540-459-3071 Fax

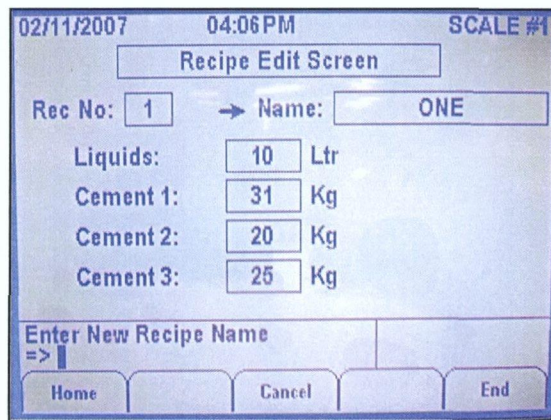
273 Lakeview Dr.
Woodstock, VA 22664

PennDrill Manufacturing
Woodstock, VA Division

PDSD2000E Automated Grout Plant

Features:

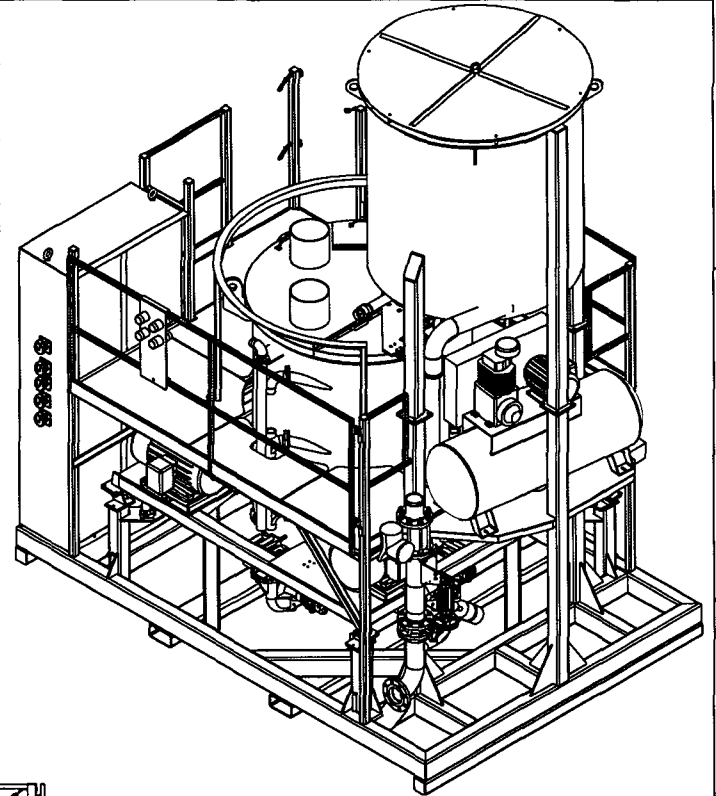
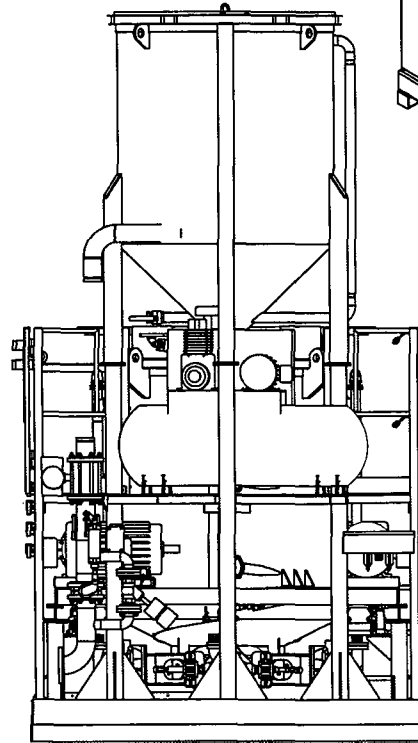
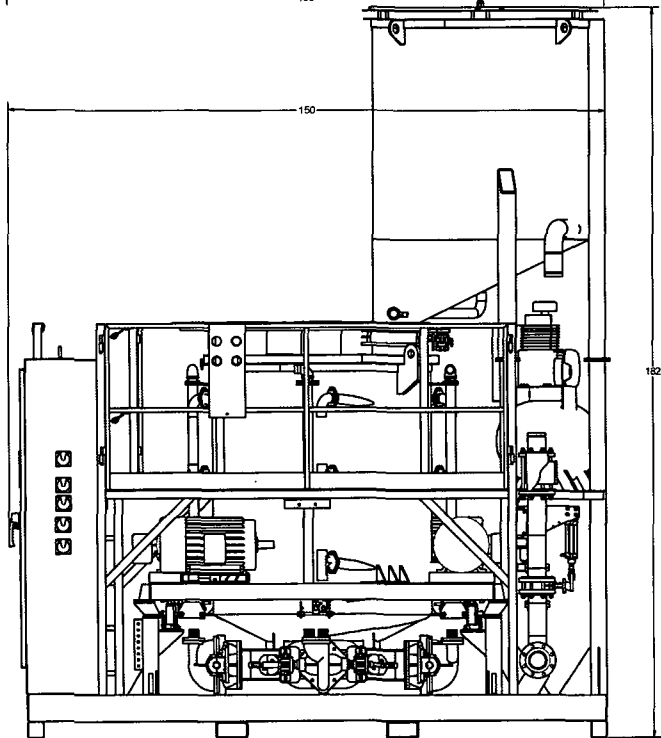
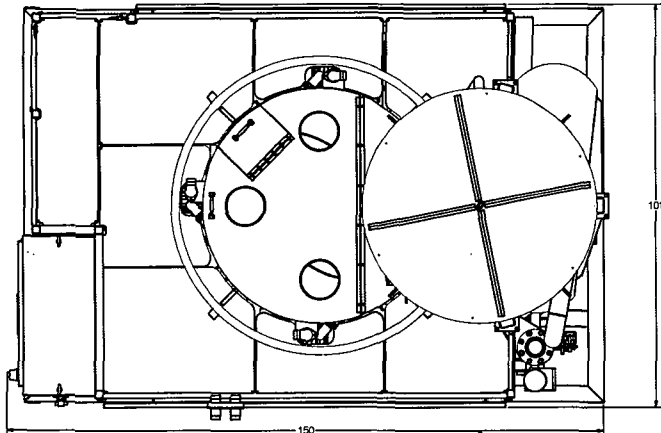
- ◆ 4 colloidal mills
- ◆ 700 ltr/min per mill / 10 bar
- ◆ 32-40 m³/hr
- ◆ Fully automated operation
- ◆ 2000 ltr mixing tank
- ◆ 1000 ltr water tank
- ◆ Transport dimensions:
- ◆ 12.14'x8.03'x8.30'
- ◆ Assembled dimensions:
- ◆ 12.14'x8.03'x15.09'
- ◆ Transport weight: 15,000 lbs



Leaders in ground engineering equipment



"Helping you look into the Earth"



<p>THIS DRAWING IS THE PROPERTY OF ATLANTIC RESEARCH AND NOT BE REPRODUCED, COPIED OR DISSEMINATED WITHOUT AUTHORIZATION OF THE COMMAND.</p> <p>UNCLASSIFIED//FOR OFFICIAL USE ONLY</p> <p>FORM 1041-101 (Rev. 10-1-80)</p>		<p>Parsons Design Associates 1711 Lakeside Drive Ft. Belvoir, VA 22060</p>	DRAWN RLM	DATE 8/15/2011	PROJECT DESCRIPTION					
			REV. BY DATE	FILE NO. PRET. SPEC.	FIRST USED ON	SHEET 1 OF 1	REV G	DATE 11/1/11	PART NO. ADSD2000	SIZE D
TOLERANCES 1 PLACE DECIMAL ± 0.1 2 PLACE DECIMAL ± 0.05 3 PLACE DECIMAL ± 0.010 ANGLE ± 0.5 FRACTIONAL ± 1/32 HALLS/EDS PER ANG. 2.5		SCALE	JOB NO.	WEIGHT						

MAXON

INDUSTRIES, INCORPORATED

AGIMAX

Concrete Agitator/Transporter

Product Information



The new **Maxon Agimax** is designed to transport, agitate and place concrete for low profile underground applications, where discharge heights will not allow a full hoisting body similar to the **Maxon Agitor**. When working in small-bore tunnels, the Agimax offers many advantages not available with conventional agitator cars.

FEATURES

- ▣ *Narrow profile - only 64" wide*
- ▣ *11 cubic yard rated haul capacity*
- ▣ *Meets ASTM & ACI specifications for agitated concrete haul bodies*
- ▣ *Large open top allows easy positioning under drop shaft for fast loading*
- ▣ *All functions hydraulically operated*
- ▣ *Bi-rotational agitator shaft insures quality concrete*
- ▣ *Non-rotating drum for greater stability*
- ▣ *Easy access shell for quick cleanout and visual inspection*
- ▣ *Electric, diesel, air power or truck PTO*
- ▣ *Rail car configurations available to meet all underground conditions*



APPLICATIONS

The compact sized **Agimax** now offers a more economical and efficient alternative to previous concrete transportation methods. Maxon's experience in designing and manufacturing concrete transportation equipment insures quality concrete delivered with reduced cycle times for all underground applications:

- ▣ Large and small bore tunnels
- ▣ Shotcrete and gunite
- ▣ Invert and arch forms
- ▣ Mining applications
- ▣ Remixer at drop shaft
- ▣ Grout and backfill

Maxon Industries Inc. ▣ 3204 W. Mill Road ▣ Milwaukee, WI 53209 ▣ Phone: (414) 351-4000
 Fax: (414) 351-9057 ▣ Website: www.maxon.com ▣ E-mail: sales@maxon.com

AGIMAX

Concrete Agitator/Transporter for underground applications

FEATURES



Agimax Concrete Agitator Specifications:

Haul Capacity - 11 cubic yard agitation capacity, 13 cubic yard volumetric capacity

Hydraulic controls - all functions hydraulically controlled including:

- Agitator, bi-rotational
- Body Vibrator for improved cleanout
- Discharge gate, with speed control
- Body Hoist

Agitator - 6 rpm bi-rotational agitator shaft complete with reinforced arms. Bolt-on T-1 steel paddles allow adjustments in clearance for different concrete mix designs, and provide agitation and remixing of concrete as required.

Hydrostatic drive - 40 gpm, 2500 psi rated hydraulic pump, with tank and full flow hydraulic filter. Hydraulic pump powered by 40 horsepower electric motor and starter panel. (Optional diesel, air and truck PTO power available).

Body Hoist - Twin cylinders allow body to be hoisted for increased discharge speed and easy cleanout. Hoisting is not required for normal discharge.



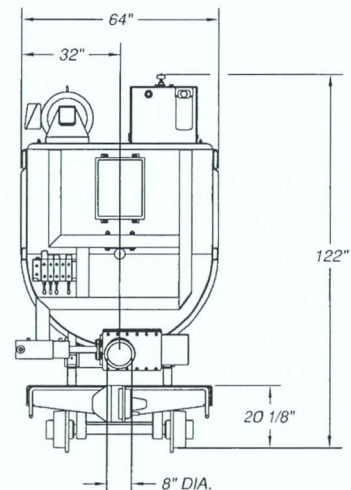
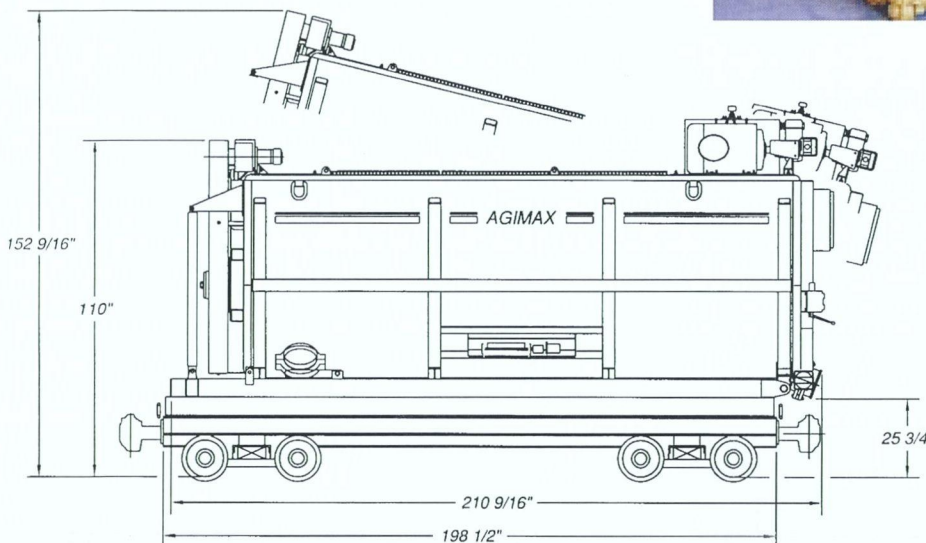
The Agimax discharges through an 8" diameter hydraulically operated knife valve. The valve is adjustable for wear to reduce leakage, and can be feathered or fully opened for discharge speeds from a trickle to 6 cubic yards per minute.



The bi-rotational agitator shaft is driven hydraulically with a high torque motor. Paddles provide for efficient and fast cleanout. The agitator rotates at 6 rpm, and can remix or retemper concrete as site conditions require.



Additional features for the Agimax include two (2) hoist cylinders to lift the body during discharge. The Agimax shell is constructed of 1/4" AR300 abrasive resistant steel for maximum wear.



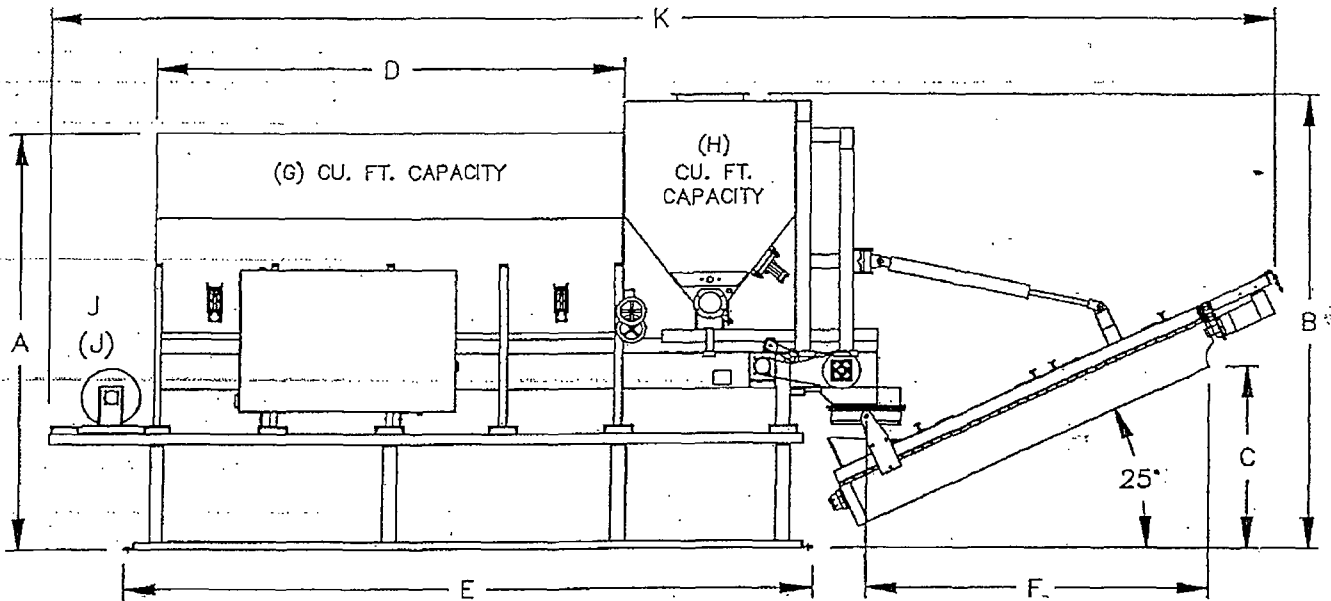
BUL.426 printed in the U.S.A c.c.-02/04

Maxon Industries Inc. □ 3204 W. Mill Road □ Milwaukee, WI 53209 □ Phone: (414) 351-4000
 Fax: (414) 351-9057 □ Website: www.maxon.com □ E-mail: sales@maxon.com

comen tech

Model SCD 10-200 STATIONARY CONCRETE DISPENSER

EQUIPMENT SPECIFICATIONS and PURCHASE INFORMATION



A - 9ft. 11in. (119in.) / 302 cm

F - 8ft. (96in.) / 244 cm

B - 10ft. 9in. (129in.) / 328 cm

G - 310 cu. ft. / 8.8 cu. meters

C - 4ft. 4in. (52in.) / 132 cm

H - 100 cu. ft. / 2.83 cu. meters

D - 11ft. (132in.) / 335 cm

J - 75 H.P.

E - 16ft. 2in. (194in.) / 493 cm

K - 28ft. 9in. (345in.) / 876 cm

AGGREGATE BIN WIDTH 7ft. 4in. (88in.) / 224 cm

APPROXIMATE WEIGHT 13,800lbs. / 6260kg

(See Following Pages for Listing of Options)

SCD10-200

font size

[Print](#)

Standard Equipment

- Materials capacity to produce ten cubic yards of high strength concrete.
 - Produces 1 cubic yard of high quality concrete every 45 seconds @ 5 bag mix in accordance with ASTM C685, ACI 304.6R and AASHTO M-241 Standards. Meets all Volumetric Mixer Manufacturers Bureau Standards.
 - Top loading 115 cu ft. cement bin with Weather tight cement bin hatch and a bag breaking grate makes loading quick and easy insuring that you will not run out of cement before running out of aggregate.
 - Polycarbonate window allows you to monitor the level of cement and our Exclusive "DUAL AUGER CEMENT METERING SYSTEM and CEMEN TECH TRANSFER AUGER" gives you the most accurate mix possible.
- Calibrated gate control allows you to quickly and easily reset mix designs.
 - 9 ft. long 16-in. continuous homogenizing mixer with full length "NI-HARD" steel wear blades provides you with hours of maintenance free production. Mix auger reverses and opens from top to make washout quick and easy.
 - Trigger activated grease gun lubricates internal lower seal of the mixer assembly and reduces maintenance time. Mixer swivel with lock and hydraulic mixer hoist with lock valve gives you and your employees a safe work area.
 - 3 discharge chutes allow you to place concrete precisely in those hard to reach spots. First 3-½ft chute is attached.
 - Re-settable counter shows the exact amount of concrete produced, providing an accurate way to track sales.
 - Engineering-class roller chain, with 1inch angle- iron, supports an 24-in. wide vanner edge aggregate proportioning belt. The vanner edge belt protects the chain from aggregate fines and grit and ensures an accurate mix every time with years of low maintenance trouble free use.
 - Fully hydraulic functional mixer and conveyor with a large, 90 gallon, hydraulic oil reservoir and hydraulic oil filter allow continuous operation without overheating and system failure.
 - Pressurized water system with 430 gal. Front, mounted polypropylene tank eliminates rusting and cracking. Hydraulic powered water pump, flow control valve, quick acting water valve, and water flow meter provide you with precise control of water required to hold specific slump.
 - Cam activated high impact vibrators on cement and aggregate bin insures a smooth continuous flow of materials.
 - Industrial two-part, high solids, acrylic urethane paint and electrostatic paint process provides you with a lasting professional finish. Red, orange and yellow striping is included for a polished look.
 - Cemen Tech consumer marketing program and technical assistance gives you a means to improve your business and market your company to new or already existing customers.

Social sharing

[back to top](#)

STANDARD EQUIPMENT, SCD10-200

- * Materials capacity of 10 cu. yds. (Recommended maximum aggregate, 1 1/2 in. dia.).
- * Production rate of 60-90 cu. yds./hour of concrete. 3/4-1 min. / yd. at a 5 bag mix.
- * 100 cu. ft. cement bin with exclusive "ACCU-VANE" cement feed system. Includes intermittent pneumatic vibrators and a clutch to disengage cement feeder.
- * Weathertight cement bin hatch with latches.
- * Bag breaker grate in cement bin, for breaking cement bags directly into bin (reversible).
- * ten cubic yard aggregate bin with calibrated gate control.
- * 9 ft. long, 16 in. continuous homogenizing mixer, full length **Ni-Hard** steel wear blades.
- * Mix auger reverses for easy washout and opens from top.
- * Removable 2 ft. long discharge chute.
- * Hydraulic mixer hoist with positive locking safety feature.
- * 75 hp electric motor drive. 230/460 volt, 3 phase
- * Resettable counter to show amount of concrete produced.
- * 24 in. wide vanner edge aggregate proportioning belt mounted to sprocket driven chain and crossbars. Full length vertical bin guides to protect chain and sprockets.
- * Fully hydraulic operation of mixer and conveyor.
- * 125 gallon hydraulic oil reservoir and twin oil filters.
- * Quick acting water flow control valve, flowmeter (GPM) and pressure regulator.
- * Air system with water trap and oiler.
- * Intermittent cam activated pneumatic vibrators on aggregate bin (sand bin).
- * Mounted on heavy duty skid base, with anchor plates for Dispenser tie-down.
- * CTI white industrial enamel paint with red, orange and yellow accent striping.

OPTIONS AND OPTIONAL EQUIPMENT, SCD10-200

- () Push-button automated electronic controls. Includes digital readout, pre-determining counter, air operated hydraulic valves and air operated quick acting valves for water and admixtures. Automatic shutoff with mixer delay.
- () Water system for applications with varying water pressure, low water flow or no water at all. Includes 250 gal. storage tank and pump.
- () Manual Mixer swivel. Includes swivel and fairlead. 170 degrees of rotation.
- () Hydraulic Mixer swivel. Includes two way valve on operator's station.
- () Air compressor and reservoir. Compressed air (11 cfm @ 100 psi) is required to operate the air vibrators. If air is not available from an auxiliary source, this compressor must be specified.

(See Following Pages for Listing of Additional Options)

OPTIONS AND OPTIONAL EQUIPMENT, SCD10-200

- Low flow admixture system (electric). Injects up to 15 oz. of diluted admix, per bag of cement. Used frequently for air entrainment and water reducing agents. Includes 12 gal. tank, flowmeter, pump and controls. (120V required)
- High flow admixture system (electric). Injects up to 64 oz. of diluted admix, per bag of cement. Used frequently for calcium chloride and super plasticizers. Includes 35 gal. tank, flowmeter, pump and controls. (120V required)
- Fiber Feeder that continuously feeds approximately 1 to 1.5 lbs. of precut fibers per cu. yd. of concrete. Quick change fiber tube capacity is approximately 12 lbs. (capacity will depend upon the type of fiber being used). Feed rate is adjustable by the operator. Includes variable speed agitator for even distribution of fiber to mixer.
- Divided aggregate bin with dual calibrated gate controls. Required for proportioning 2 aggregates (sand & stone) when premixed material is not used.
- Two air operated vibrators on aggregate bin. Cam activated. Requires air compressor option above or other air supply (approx. 8 cfm @ 100 psi). Recommended on the sand side with divided bin.
- 230 Volt, 3 phase electric motor starter. Full voltage motor starter, NEMA type 4, water tight enclosure, includes heater elements. 60 Hertz. Size 4.
- 460 Volt, 3 phase electric motor starter. Full voltage motor starter, NEMA type 4, water tight enclosure, includes heater elements. 60 Hertz. Size 4.
- Four cyl. diesel engine includes: mounting, fuel tank, battery, air cleaner and muffler.
- Water to oil cooler for hydraulic oil. Mix water travels through oil cooler.
- Air to oil cooler for hydraulic oil. Includes motor, controls and piping. 50,000 BTU capacity. For areas where water is not available or mix water should not be heated prior to entering mixer. Recommended when dispenser is used in continuous operation in high ambient temperatures.
- Liquid color feed system. Includes positive displacement pump, variable speed electric motor drive, controls, 35 gal. plastic storage tank, recirculation system for agitation. 120 V AC required.
- Dry color feed system. Accurately proportions dry color additives. Includes variable speed electric motor drive and controls. 120 V AC required.
- Spare parts kit. Includes replaceable, NI-HARD steel wear blades, auger bottom boot, bearing, seals, grease gun, grease cartridges, oil can and cleaning brush.
- Zero slump mixer option for dry cast systems. Includes deep "U" trough mixer assembly with protective top cover. Electric motor increased to 100 HP.
- Optional paint color: _____ # _____ Color of Striping _____
- On site start-up. CTI factory person travels to your start-up site.

(See Following Page for Listing of Additional Options)

OPTIONAL AND RELATED EQUIPMENT, SCD10-200

- () Second cement bin system. Used for mix designs requiring two cementitious materials (i.e.: Fly Ash & Cement). Includes 100 cu. ft. bin (absolute), drive & controls.
- () High and low cement bin level indicators to automatically control an auger feed system from an external bulk cement silo. Paddle type high and low indicator. Includes controls and low indicator light. Requires automatic electric silo motor system below.
- () Automatic electric silo motor system. Includes 7 1/2 HP, 3 phase electric motor, gear box, drives and motor starter. Controlled by above cement bin level controls.
- () Silo mounting over cement bin of unit. Eliminates need for delivery auger from silo.
- () Bulk 210 bbl. (840 cu. ft.) cement storage silo with internal auger feed to cement bin of concrete dispenser. Includes 120 sq. ft. baghouse, fill pipe, adapter, full perimeter safety cage, safety ladder, hoses, controls, fittings and bin level windows. See Equipment Specifications and Purchase Information for Cemen Tech silos.
- () High efficiency baghouse. Reverse pulse jet cleaning while filling from pneumatic tanker. 135 sq. ft. filter area. Recommended for high volume usage and any installation where airborne cement dust would be undesirable.

() _____

() _____

Specifications subject to change by manufacturer

Company Name _____

Contact _____

Street _____

City _____

State _____

Zip _____

Phone No. () _____

Quoted by _____

Date _____

CTI.P.O.No. _____

cemen tech

1700 North 14th Street Indianola, Iowa 50125 Phone 1-800-247-2464
 Leaders in Volumetric Proportioning and Continuous Mixing Systems



540-459-5309 Office
540-459-3071 Fax

273 Lakeview Dr.
Woodstock, VA 22664

PennDrill Manufacturing
Woodstock, VA Division

PD 800E Portable Silo

PennDrill's PD800E 200 barrel (800 bags) low profile silo produces top quality grout quickly and easily. With the touch of a button the cement, bentonite or other material is delivered to the mixing tank in the required amount. This means no bags, no lifting, and much less clean up.

Going bulk save you time and money by purchasing your material in larger quantities. This lowers both the cost of the product and labor because there is less handling compared to bagged quantities. By taking grout bags out of the picture, you reduce the risk of contamination and increase material measurement accuracy.

For mobility, the PD800E is highway ready on 2—6000 lb axles with electric brakes, lights.



Features

For example:

- ◆ 800 cu/ft tank (75,000 lb max)
- ◆ Aeration pads
- ◆ Blower
- ◆ Silo vent with 150 sq ft filter, vibrator and relief valve
- ◆ Digital indicator
- ◆ Scale system for weighted discharges
- ◆ Cable remote
- ◆ 6,500 lb dry weight
- ◆ 2—6000 lb axles



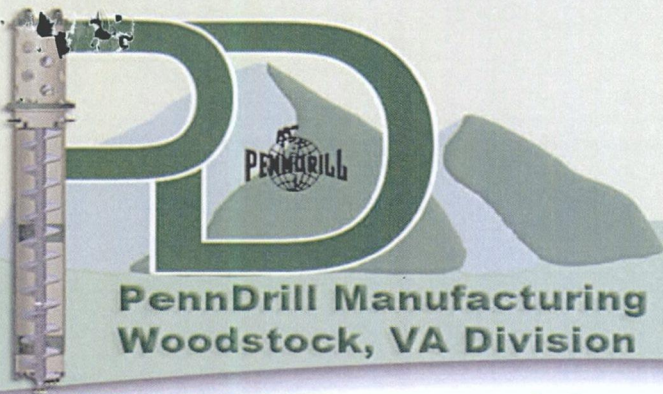
Leaders in ground engineering equipment





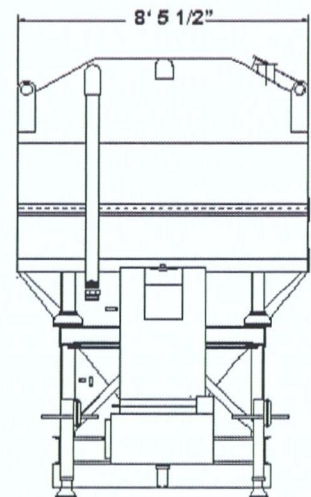
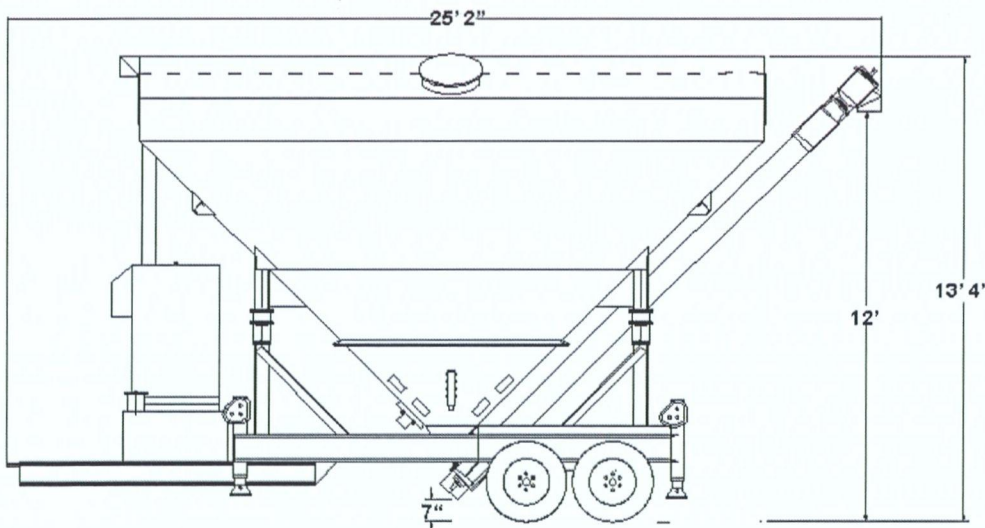
540-459-5309 Office
540-459-3071 Fax

273 Lakeview Dr.
Woodstock, VA 22664



PennDrill Manufacturing
Woodstock, VA Division

PD 800E portable silo



Leaders in ground engineering equipment



Bouygues Civil Works FL
1050 MacArthur Causeway
Miami, FL 33132

