



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

October 3, 2008

Mr. Carlos Morales
Quality Control Manager
TREVIICOS South, Incorporated
39878 State Road 80
Belle Glade, Florida 33430

Dear Mr. Morales:

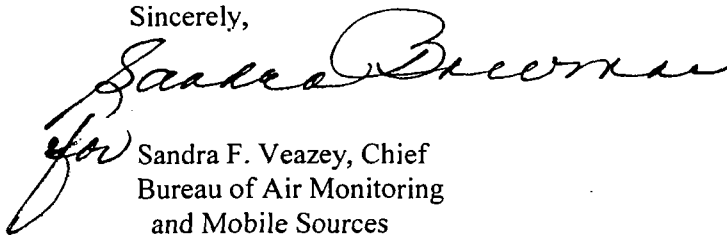
This is to acknowledge that your notification of intent to use the authority of Rule 62-210.310 to operate your facility was received on September 2, 2008. We have assigned ARMS No: 7775535-001 to this facility.

As you know, pursuant to Florida Statutes section 403.814, authority to operate under general permits commences thirty (30) days after receipt of the registration form unless you have been notified by this office that your facility has not shown entitlement to operate pursuant to the rule provisions.

For your information, authority to operate pursuant to Rule 62-210.310 expires after five (5) years. Therefore, a new registration form must be received no later than five (5) years after the date your notice was received as indicated above. If your general permit rule conditions require testing, such testing must be completed within the time frame specified in the rule.

If you have any additional questions, please contact Dickson Dibble at 850/921-9586.

Sincerely,


Sandra F. Veazey, Chief
Bureau of Air Monitoring
and Mobile Sources

SFV/pg

cc: Mr. Thomas Tittle, Palm Beach County

CONCRETE BATCHING PLANT AIR GENERAL PERMIT REGISTRATION FORM

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- ☒ Construct and operate a proposed new facility.
☐ Operate an existing 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).

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., or 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 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. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- ☐ All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): _____
☒ No air operation permits currently exist for this facility.

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.)

TREVIICOS South, Inc.

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

TREVIICOS South Staging Area

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

Street Address: 39878 State Road 80

City: Belle Glade

County: Palm Beach

Zip Code: 33430

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

October 15, 2008

RECEIVED

SEP 04 2008

Bureau of Air Pollution
& Mobile Sources

7775535-001

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: Carlos Morales, Quality Control Manager

Owner/Authorized Representative Mailing Address

Organization/Firm: TREVIICOS South, Inc.

Street Address: 273 Summer Street

City: Boston

County: Suffolk

Zip Code: 02210

Owner/Authorized Representative Telephone Numbers

Telephone: 617-737-1453

Fax: 617-737-5810

Cell phone (optional): 617-590-8709

Facility Contact (If different from Owner/Authorized Representative)

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

Print Name and Title: Carlos Morales, Quality Control Manager

Facility Contact Mailing Address

Organization/Firm: TREVIICOS South, Inc.

Street Address: 39878 State Road 80

City: Belle Glade

County: Palm Beach

Zip Code: 33430

Facility Contact Telephone Numbers

Telephone:

Fax:

Cell phone (optional): 617-590-8709

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.

Signature

Date

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**Description of Reasonable Precautions**

Below, or as an attachment to this form, provide details of all types of reasonable precautions to be used to prevent unconfined emissions at the facility.

1. All material stored in steel silos. No open stock piles.
2. Water truck available during (dry) material delivery.
3. Trucks to be filled with (wet) cement bentonite mix.
4. Operation supervised by authorized/qualified personnel only.

SEE APPENDUM TO THIS
PAGE VIA EMAIL OF 9/25/08 - D. DIBBE

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 all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

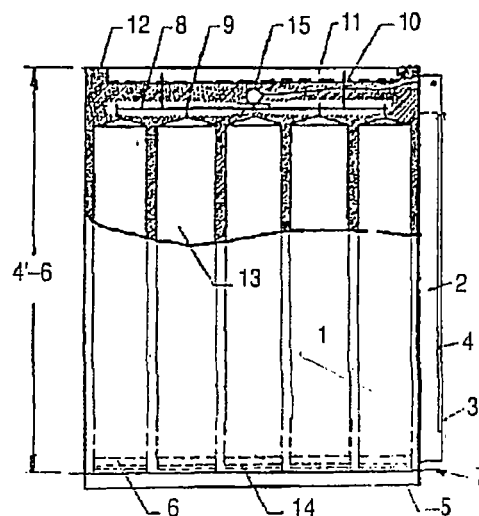
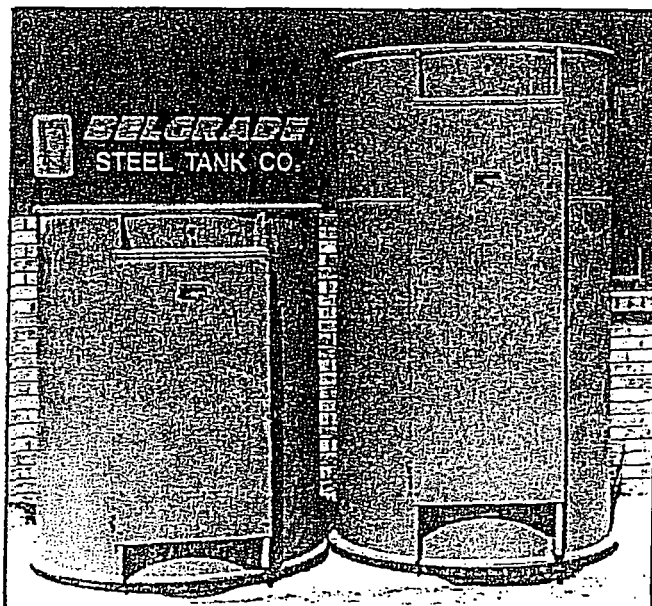
See attached:

1. Staging Area Platform Plan
2. Belgrade "Belle" style dust hose specifications
3. Fabric filters specifications
4. Belgrade portable silos specifications
5. Lorenzetto Loris machinery (concrete mix) operating manual



405 Lowery Ave. • Box 220
Belgrade, Minnesota 56312
Phone: (320) 254-8246 • FAX: (320) 254-3458

"Belle" Style Dust House



SQUARE FT.
BAG AREA

CAP. CEMENT

150
225

375 C.F.M.
675 C.F.M.

Parts List

	150 Sq. Ft.	225 Sq. Ft.
1. Housing	4'6" x 10' x 14 Ga.	6'6" x 10' x 14 Ga.
2. Door Frame	4'4" x 4 1/2" x 12 Ga.	6'4" x 4 1/2" x 12 Ga.
3. Door Frame Screw (2)	21" x 4 3/4" x 12 Ga.	same
4. Door	42" x 24" x 14 Ga.	60" x 24" x 14 Ga.
5. Mating Flange	2" x 2" x 3/16 Angle 44" Diameter	same
6. Sock Holders	8" Diameter - 18 Pcs.	same
7. Base	48" Dia. x 10 Ga.	same
8. Shaker Plate	36" Dia. x 12 Ga.	same
9. Open Eye Bolt	1/4" x 3" - 18 Pcs.	same
10. Suspension Bolts (4)	3/8" x 5" Hex	same
11. Suspension Bar Ass'm	Angle Iron Support	same
12. Cover	47" Dia. x 14 Ga.	same
13. Polyester Socks	(18) 4' x 8" Dia.	(18) 6' x 8" Dia.
14. Band Clamps	18 Required	same
15. Vibrator	VS 190	same
Opt: Single Phase Electric Vibrator		

"Belle" Filter Stock Specifications

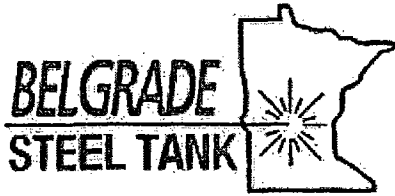
Style	PE 37
Fiber	100% Polyester
Weight	9 oz./Sq. Yd.
Construction	Spun/Spun
Count	100W x 60F
Air Permeability	20-30 C.F.M.
Mullen Burst	500 PSI
Tensile Strength	Warp Direction 300# Fil Direction 275#
Thermal Stability	2% Max. 300 Degrees F
Max Operating Temp	275 Degrees F
Efficiency	99.99%

Arr Consumption - 8 CFM
@ 80 psi

The dust house is equipped with either an air powered or electric powered vibrator used for the cleaning of the bags. If air powered, connect air supply line to the port located on center above the door, and supply the vibrator with 80 psi oiled or non-oiled air. If electric powered, reconnect power cord which exits the top side of dust house to the control box supplied. Operate vibration for approx. 5-10 minutes after each load of material has been blown in.

FABRIC FILTERS

Point Number (from flow diagram)		Manufacturer & Model No. (if available) Belgrade Steel Tank Co. - Belle 225		
Name of Abatement Device Belle 225 Dust House		Type of Particulate Controlled Cement Dust		
GAS STREAM CHARACTERISTICS				
Flow Rate (acfm)		Gas Stream Temperature (°F)	Particulate Grain Loading (grain/scf)	
Design Maximum 675	Average Expected 675	Ambient	Inlet N/A	Outlet 0.01
Pressure Drop (in H ₂ O) 5"		Water Vapor Content of Effluent Stream (lb water/lb dry air) Ambient	Fan Requirements (hp) (cubic ft/min) N/A N/A	
PARTICULATE DISTRIBUTION (by weight)				
Micron Range	Inlet		Outlet	
0.0 - 0.5	0%		99.98%	
0.5 - 1.0	3%		0.02%	
1.0 - 5.0	17%		0.00%	
5.0 - 10.0	18%		0.00%	
10.0 - 20.0	21%		0.00%	
over 20.0	41%		0.00%	
FILTER CHARACTERISTICS				
Filtering Velocity (acfm/sq ft of cloth) 3	Bag Diameter (inches) 8"	Bag Length (inches) 72"	Number of Bags 18	Number of Compartments in Baghouse 1
Bag rows will be: Staggered			Walkways will be provided between banks of bags: No	
Filtering Material: PE 37 100% Polyester 9oz.				
Describe Bag Cleaning Method and Cycle:			Air Vibrator Shaker	
Capital Installed Cost:		\$2,400	Annual Operating Cost: \$50	

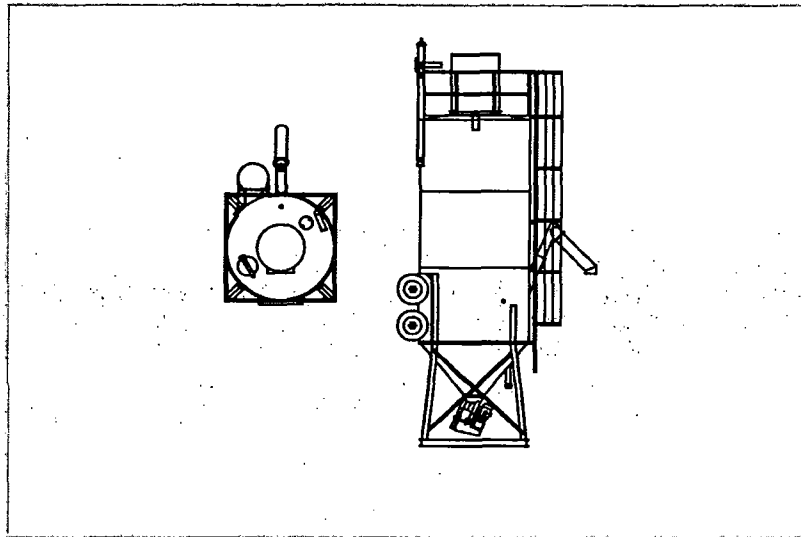


Portable Silos

350 Barrel Capacity Standard Equipment: Legal 8' -6" dia. X 37' -0" height, positive feed drive 9" dia. X 17' -0" auger, 10Hp 3Ph motor and gear box drive, heavy duty dual axle trailer and tires, electric brakes and light package, 150 sq. ft. dust house with air vibrator and pop off valve, caged ladder and railing, (8) external air pads with manifold, sand blast, prime and paint standard color (white, light grey, dunes tan, cat yellow).

Options:

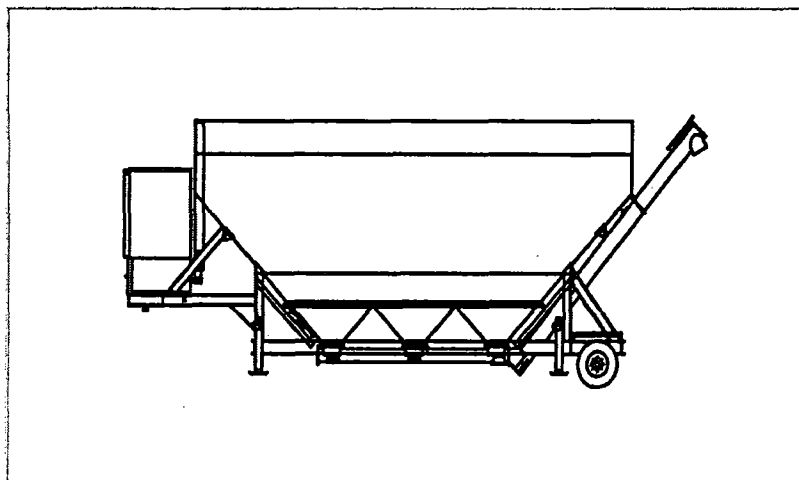
- Upgrade to 12" screw with 20Hp 3 Ph motor



300 Barrel Capacity Standard Equipment: Legal 8' -6" wide x legal 13' -6" tall, 38' -0" overall length, 7" cross screw, 9" carry up screw, 5 Hp and 10Hp 3Ph motor and gear box drives, jam gate on each hopper, 10,000# axle with dual wheels and electric brakes, 5th wheel trailer and lights, 150 sq. ft. dust house with air vibrator and pop off valve, (24) external air pads, weight 15,000#, sand blast, prime and paint standard color (white, light grey, dunes tan, cat yellow).

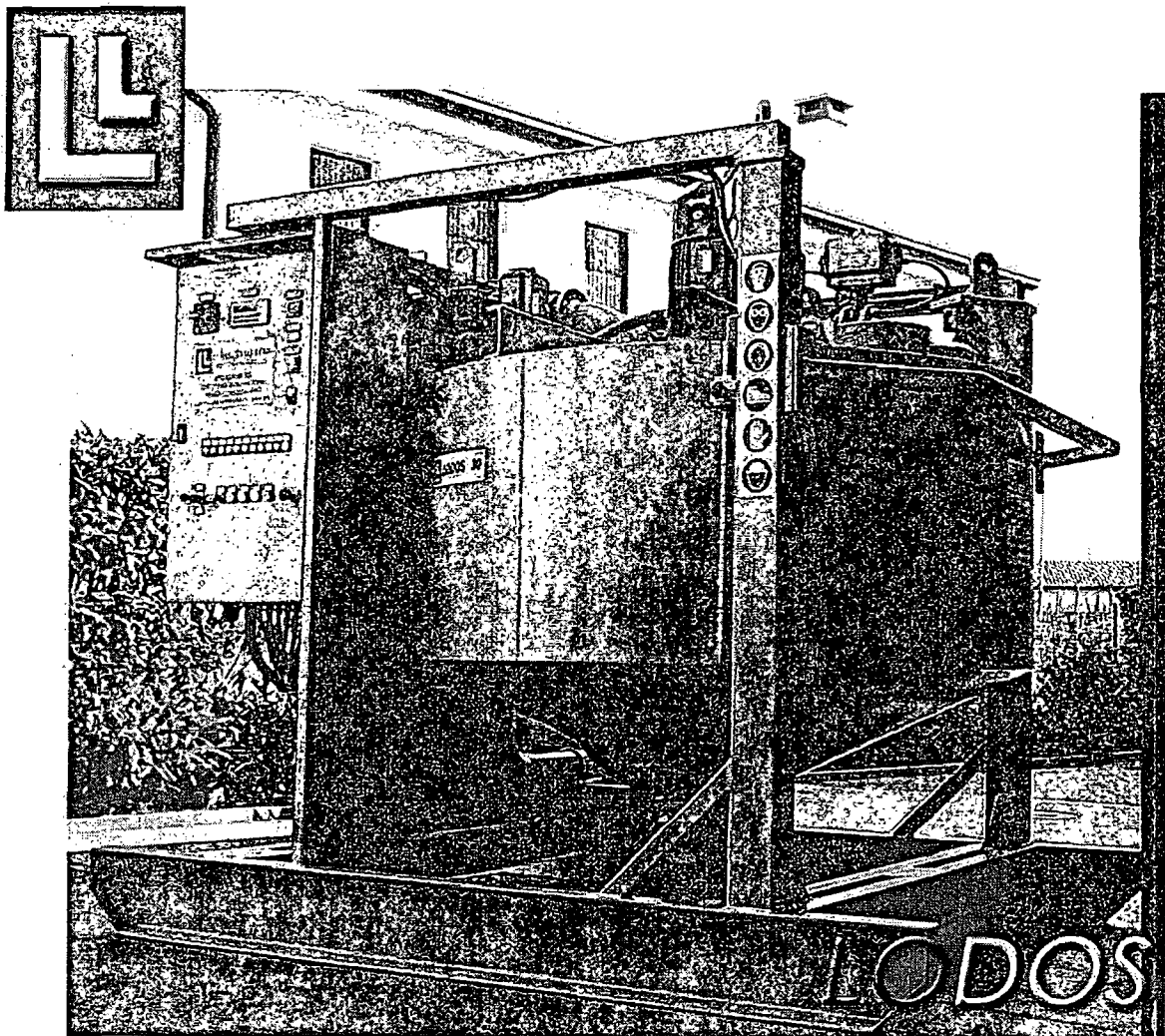
Options:

- Upgrade to 12" screw with 20Hp 3 Ph motor



LORENZETTO LORIS

OPERATING MANUAL

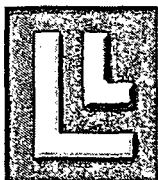


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dom. Fiscale: Via Candiana n°17 - 35024 Bovolenta (PD)

Tel: 049/5347044 - Fax: 049/5347935 - e-mail: l_lorenzetto@yahoo.it

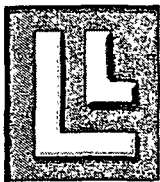
C.F. LRN LRS 50T30 B589W - P.iva 02272170289



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micropali – tiranti – consolidamenti
gruppi elettrogeni

SUMMARY

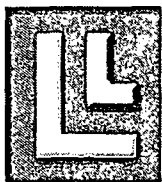
C 1	INFORMATION ABOUT THIS MANUAL	4
C 1.1	CONTENTS OF THE MANUAL	4
C 2	IDENTIFICATION OF THE MACHINE	12
C 3	OPERATOR SAFETY	14
C 4	TRANSPORTATION	17
C 5	ASSEMBLY – Warnings and safety instructions	22
C 6	ELECTRICAL SYSTEM	23
C 7	MAINTENANCE	23
C 8	DESCRIPTION AND USE OF THE MACHINE	24
C 9	DISMANTLING THE MACHINE	33
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The safety mark

Machinery safety: Legislation UNI EN 292 defines machinery safety as *“the capacity of machinery to be maintained in conditions that allow it to be transported, installed, regulated, maintained, dismantled and scrapped in the conditions of use foreseen in the instruction manual (and, in certain cases, within a given period of time indicated in the manual itself) without damaging health or causing injury.”*



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INFORMATION ABOUT THIS MANUAL:

C 1.1 CONTENTS OF THE MANUAL

This manual contains a description of the machinery (concrete mixer) produced by LORENZETTO LORIS, called LODOS 30, designed and built according to the safety regulations indicated in the declaration of conformity of the machine to EU safety regulations.

This manual makes reference to its “intended use” as well as to technical, operational and performance characteristics and to the instructions for installation, use and maintenance.

C 1.2 ORGANIZATION OF THE MANUAL

This manual is divided into chapters, special chapters and annexes. All sections appear in the index, accompanied by their identification symbol. In some cases the special chapters and annexes may not be present in the manual: this may happen if the machine is of a standard type.

C 1.2.1 LETTERS AND IDENTIFICATION OF THE SECTIONS OF THE MANUAL

In this manual the following graphic symbols are used to identify the various sections:

C

All sections with numbers preceded by this symbol are chapters and are present in every different edition of the manual. They are instructions of a general nature and applicable to any machine belonging to the concrete mixer series.

CS

All sections with numbers preceded by this symbol are special chapters and are specific to the machine referred to in this manual. They are instructions of a specific nature concerning operation and maintenance.

AL

The manual may contain annexes of various types:

*illustrations not included in the manual pages;
manual for use and maintenance of non LORENZETTO LORIS components;
specific declarations of non LORENZETTO LORIS components.*



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C 1.2.2 IDENTIFICATION SYMBOLS OF THE SECTIONS OF THE MANUAL

In this manual the following graphic symbols are used to draw the user's attention to aspects that require particular attention:



All the chapters or paragraphs of the manual marked with this symbol on the left contain information of a general nature and must be read by all those for whom the manual is intended.



All the chapters or paragraphs of the manual marked with this symbol on the left contain information of a specific nature to which the operator or maintenance engineer must pay attention.



All the chapters or paragraphs of the manual marked with this symbol on the left require the operator or maintenance engineer to follow a specific operational sequence.

Parts of the text that refer specifically to the safety of the operator and other people in general or to damage to the machine or its components are highlighted with the following signs:



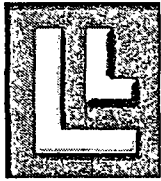
The “! DANGER” sign is used when failure to follow the instructions or to take note of warnings contained in this manual for use and maintenance can result in serious injury to people.



The “! WARNING” sign is used when failure to follow the instructions or to take note of warnings contained in this manual for use and maintenance can result in serious damage to the machine or other elements associated with it or the surrounding environment

HOW AND WHERE THIS MANUAL MUST BE KEPT

The instruction manual is an integral part of the machine and it must therefore not be detached from the machine; it must be kept for future reference and for consultation, until the machine is dismantled.



The manual must be stored by a person designated specifically for this purpose, in a suitable place (protected, dry, sheltered from sunlight) and known to all those who may need to access it, in order for it always to be available for consultation by end-users who must read and understand the contents, as well as be aware of safety regulations.

C 1.2.3 IDENTIFICATION OF THE DOCUMENTATION INCLUDED

This chapter describes the documentation supplied by the manufacturer with the machine, as an integral part of the order.

Included with the machine ordered: ...

The documentation included with the machine, supplied by **LORENZETTO LORIS** as an integral part of the client's order, as well as this "Instruction Manual for installation, use and maintenance of the machine":

- **Record of installation and test-run (to be completed and returned by the client)**
- **Declaration of conformity**

C 1.3 DEFINITIONS

C 1.3.1 DANGER AREA

The area in proximity to the machine where the presence of an exposed person puts that person's health and safety at risk.

C 1.3.2 EXPOSED PERSON

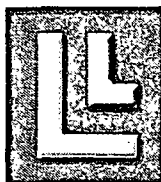
Any person wholly or partly within a danger area.

C 1.3.3 USER

The person in charge of the equipment, usually the purchasing company, who can use the equipment directly or use a qualified operator (hereafter known as 'operator'). This person is responsible for the storage and maintenance of the equipment, which can be done by using a qualified maintenance engineer.

C 1.3.4 OPERATOR

The person who uses the equipment and is adequately trained in its use. Training must include awareness of safety measures, accident-prevention regulations, protection measures, work conditions, and awareness of the manual itself.



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
C 1.3.5 MAINTENANCE ENGINEER

The person who is adequately trained and is employed directly by the user or the manufacturer to carry out ordinary and extraordinary maintenance of the equipment and keep records in the relevant registers.

C 1.3.6 QUALIFIED TECHNICIAN

A specialised person whose job is to carry out extraordinary maintenance work or repairs that require special knowledge of the machine and its operation, its safety requirements and how to deal with them.

C 1.4 CLARIFICATION AND ASSISTANCE

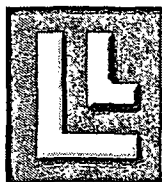
 **Tel. 049-5347044 Fax 049-5347935**
 **e-mail: l_lorenzetto@yahoo.it**

- * **Requests for clarification regarding this manual;**
- * **Requests for supplies of spare parts;**
- * **Special maintenance procedures;**
- * **Special repairs or checks;**
- * **Possible problems or faults not covered by this manual.**

In any case, for each machine, you must be ready to provide:

- * *The matriculation number written on the machine's identification plate;*
- * *The page number of the manual or document to which reference is made*

Your opinions, suggestions or criticisms are very welcome.



C 1.5 RESPONSIBILITY

This chapter defines **LORENZETTO LORIS'** responsibility towards its clients and its client's responsibility relating to use of the machine and reasons for the manufacturer declining responsibility.

LORENZETTO LORIS guarantees that...

LORENZETTO LORIS manufactures its machines in full compliance with regulations regarding safety in the workplace, with the aim of providing the user with maximum safety when operating the machine for intended and permitted uses, as well as reducing to a minimum the chance of accidents occurring due to residual risks.

The client agrees ...

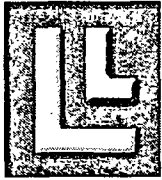
Given that this is equipment intended for use in worksites, with moving parts and circuits under pressure, the installation, operation, use and maintenance of the machine must be carried out exclusively by adequately trained qualified and expert operators, who, before using the machine, must read carefully and understand this instruction manual, according to the operation to be carried out, as described in the relevant section. The correct functioning and performance of the machine are strictly connected to the correct adherence to all the instructions contained in this manual.

In any case, in order for the machine to be operated in the best safety conditions, the machine must be used exclusively in the work conditions intended by the manufacturer.

Therefore, if any anomalies are noticed that the user is not able to correct autonomously, the extent and the cause of the problem should be calculated according to the information contained in this manual and the After-Sales Service Dept of **LORENZETTO LORIS** should be contacted as soon as possible.

Please remember, too, that when some materials, having undergone wear and tear in normal use, are replaced and/or dismantled, they constitute special waste and, therefore, are subject to special waste disposal, according to regulations, for which the user is responsible.

N.B.: THE INSTRUCTIONS CONTAINED IN THIS MANUAL DO NOT REPLACE, BUT MERELY SUMMARIZE, THE OBLIGATIONS THAT EXIST WITH REGARD TO LEGISLATION ON SAFETY NORMS AND ACCIDENT PREVENTION.

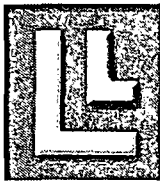


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N.B.: ALTHOUGH THE MANUFACTURER HAS TAKEN THE UTMOST CARE IN ANALYSING AND CONCEIVING SAFETY MEASURES FOR THE MACHINE, THE USER IS REMINDED THAT THE EMPLOYER IS OBLIGED TO INCLUDE SUCH EQUIPMENT IN THE COMPANY'S RISK EVALUATION, AS REQUIRED BY ART. 4 OF D.L.GS. N° 626, DATED 19.9.94, AND LATER MODIFICATIONS AND INTEGRATIONS, AND TO SUPPLY ADEQUATE INFORMATION AND TRAINING AS FORESEEN BY ARTs. 21 AND 22 OF D. LGS. 626/94, PRIOR TO ALLOWING PERSONNEL TO ACCESS AND USE THE EQUIPMENT.

The manufacturer reminds the user that **LORENZETTO LORIS** shall NOT BE HELD RESPONSIBLE for any injury or damage to persons, to the machine, to systems or to the environment caused by:

- Use which contravenes national laws and regulations regarding hygiene and safety in the workplace and in the environment,
- improper use of the machine and/or use by an inadequately trained operator,
- incorrect arrangement of the unit or structures on which the machine will be placed for operation and/or incorrect installation,
- serious lack of correct maintenance,
- modifications and/or unauthorized interference,
- tampering with the safety devices,
- use of non original spare parts or unsuitable spare parts for that model,
- lack of or incorrect partial or total adherence to the instructions supplied in the manual.



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C 1.6 VALIDITY AND COPYRIGHT

This manual for use and maintenance, complete with all the annexes summarised, constitutes the only documentation for the machine supplied and accompanies it for all its life. The manufacturer's guarantee against defects is valid for 10 years (D.P.R 224/88). If lost or damaged, replacement documentation may be ordered, for payment, directly from **LORENZETTO LORIS**, by quoting the matriculation number on the machine's identification plate.

Validity of the manual

The user is reminded that this manual reflects the state of engineering and technology used in the construction of the machine, valid at the moment of its sale, and cannot therefore be considered inadequate or obsolete if it is subsequently updated on the basis of new experience.

In the case of re-sale of the machine

If the machine is re-sold to a third party, the client is invited to transfer this manual, together with all the documentation for use and maintenance included, with the machine itself and to inform **LORENZETTO LORIS** of the name and address of the new user.

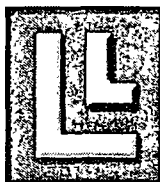
Rights belonging to LORENZETTO LORIS regarding the manual

LORENZETTO LORIS reserves the right to update its own manufacturing product and, consequently, the applicable manual for use and maintenance, without being obliged to warn the client of any modifications made.

Copyright

This manual is the exclusive property of **LORENZETTO LORIS**. The delivery of this manual to third parties must be authorised by the management of **LORENZETTO LORIS**. It is forbidden to copy, reproduce by any means, even partially, drawings and documentation contained in the manual. All violations are punishable by law and

international conventions and foresee the payment of compensation according to copyright laws.



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C 1.7 NORMS REFERENCES

This technical documentation “Manual for use and maintenance” is written in consideration of the co-ordinated norms UNI-EN 292-1 points 3-20 and UNI-EN 292-2 point 5.

C 1.8 REVISIONS

This manual may be modified or added to. The client will be informed and sent a free copy of the revised manual.

C 1.9 WARNINGS REGARDING SAFETY

This chapter contains warnings of a general character necessary for using the machine in safe conditions.

LORENZETTO LORIS...

In order to guarantee the user maximum operational reliability, **LORENZETTO LORIS** has taken particular care in the design of the machine in order to eliminate all possible risks connected to its use and has carried out a careful selection of materials and components to be used in the construction of the machine itself.

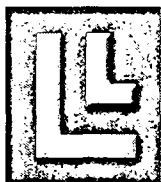
In addition, all the production stages of the machine, from design to the purchase of materials, from their storage to construction, and up to the final tests, have been subject to checks in order to ensure a valid product, free from damage, deterioration and malfunctioning.

The user is reminded, however, that the machine's efficient performance, relating both to its operation and to the quality of its performance, depends on its correct use and adequate maintenance, according to the instructions contained in this manual.

The user ...

Prior to and during use of the machine, the user must always observe the following general safety norms:

- The machine must not be used, nor must it be interfered with, before the whole manual, in every part has been read carefully and understood,
- The precautions contained in this manual must be taken,
- It is forbidden to use the machine in conditions or for a use that is different from that described in this manual and **LORENZETTO LORIS** declines all responsibility for breakdowns, faults or accidents resulting from failure to respect this prohibition.



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C 2.IDENTIFICATION OF THE MACHINE

C 2.1 BRANDING

The whole machine (mechanical and electrical parts) is identified by an indelible plate attached on its structure in which the following are listed:

- ✎ The name and address of the manufacturer;
- ✎ The model and matriculation number;
- ✎ The year of construction.

The plate must be made of aluminium and securely attached in an easily visible position, and the information contained must be indelible.


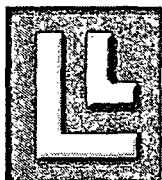
<i>Lorenzetto Loris</i> 35024 BOVOLENTA (PD) Via Candiana, 17 Tel. 049-5347044 Fax 049-5347935	
<i>MODEL</i>	<i>LODOS</i>
<i>TYPE</i>	<i>30</i>
<i>SERIAL NO.</i>	<i>08/002</i>
<i>YEAR OF CONSTRUCTION</i>	<i>2006</i>
<i>WEIGHT</i>	<i>2136 kg</i>
<i>DIMENSIONS</i>	<i>Cm 210x250x225H</i>

Figure 1 – Example of a machine identifying plate.



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C 2.2 PRINCIPAL TECHNICAL SPECIFICATIONS

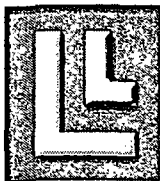
THE TECHNICAL SPECIFICATIONS OF THE LODOS 30 MIXER ARE SHOWN IN THE FOLLOWING TABLE

TABLE A1 – SPECIFICATIONS OF THE CONCRETE MIXER

Destination	miscelazione
Model	LODOS 30
Year of construction	2006

CARACTERISTICS OF THE MIXER

Electric motor power:	380V.60 Hz
Vertical pump	22 kW
Compressor	50 l



C 3. 1 OPERATOR SAFETY



If the operator in charge of the operation and maintenance of the concrete mixer is not correctly trained and does not observe the procedures established in this manual, such operations can represent a risk for the operators and therefore for all persons involved. The procedures to carry out these operations require precautions to be taken to guarantee the safety of the operator involved. The owners, supervisors and operators are responsible for applying safety procedures for the protection of the public and of the operator in charge of maintenance.

The equipment should carry safety markings (in conformity with D.Lgs. 493/96), in an easily visible position securely attached so as to attract the attention of the operator involved regarding the main obligations and dangers, like, for example, those shown here:

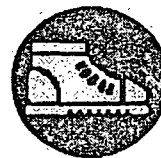
Ear protection



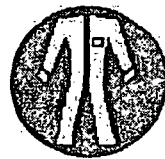
Protective gloves

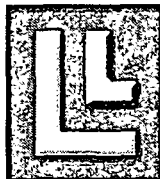


Safety footwear



Protective clothing with special requisites

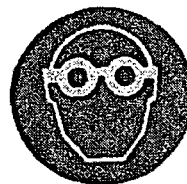




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Eye protection



No pedestrians: to be attached, facing both directions, at the entrance to all working and passing areas which expose pedestrians (including those not working) to situations of risk



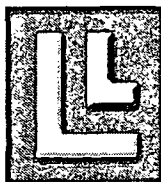
C 3.2 OPERATOR

All structures must be managed by a trained and experienced operator; the owner shall be responsible for supervising and training the operator.

One or more persons familiar with the emergency procedures must be available in the department all the time during which the equipment is operating. All personnel shall maintain the machinery in good repair, taking particular care to avoid the development of conditions that may lead to unsafe working and operating conditions.

C 3.3 MAINTENANCE CHECKS

It is good practice to carry out regular maintenance checks of the mechanical and electrical equipment as well as of the steel of the machine structure and of the entire line; the results of such checks must be recorded in a specific register.



C 3.4 MECHANICAL AND ELECTRICAL EQUIPMENT

Regular servicing and maintenance checks of the mechanical and electrical equipment must be carried out according to the schedule established by the manufacturer. In addition to these checks, all the mechanical and electrical equipment must be checked for leakage, damage, etc. which could reduce performance and safety of the operations. Where defects are ascertained, they should be put right immediately before continuing with operations. Piping and electrical connections must be checked periodically for corrosion, cuts, leaks or other defects. If a defect is ascertained, the part should be replaced immediately. Replacement should take place at the correct pressure and in doubt, the manufacturer's manual or the manufacturing company itself should be consulted.

It should be made clear that the equipment operates in conditions of high productivity, therefore incorrect use or negligence can damage the equipment or cause total breakdown of the system.

C 3.5 INSPECTION OF THE STEEL STRUCTURE

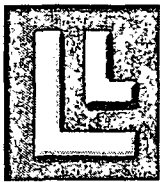
All the welded joints must be inspected for the presence of fatigue, cracks, corrosion, etc. The paintwork covering the welding must also be checked for damage to see if fatigue is present or not in the welding itself. If defects are found, remedial measures should be carried out immediately. In this case, the machine must not be used. If the paintwork shows damage with obvious rust on the exposed steel, the section must be brushed, cleaned and repainted.

C 3.6 WINTER

During the winter more care should be taken when the machine is functioning. When it snows and visibility is reduced, do not use the machine but place it in resting position.

C 3.7 INSTRUCTIONS FOR THE END OF THE WORK CYCLE

At the end of each working day, or when the machine is not in use, it must be placed in its safety position by stopping the motor and pressing the emergency stop buttons. All operations must be ended before the end of each working day.



C.4. TRANSPORTATION

C 4.1. INSTRUCTIONS FOR TRANSPORTERS

These instructions must be annexed to the delivery sheets and to the “Packing lists”

- ❖ **Do not place other items on the machines or on the packaging**
- ❖ **Use waterproof material to protect the equipment from the atmospheric agents during transportation**
- ❖ **Carefully avoid exposing the structural parts under transverse or torsional pressure during transportation by road.**
 - ❖ **Take special care above all when articulated means or trailers joined by distancing bars are used**
 - ❖ **Take special care when components are being secured onto means of transport to avoid harness stay cables squashing or deforming the edges of the structures or scratching the paintwork.**
 - ❖ **Protect the corners with wooden wedges and corner protectors and use trestles to ensure adequate support for the beams.**
 - ❖ **During transportation observe and maintain the planarity, orientation and hooking points as indicated on the packing boxes in order to avoid the instrumentation losing its setting.**


Transportation must be carried out by qualified transporters able to ensure the correct moving of the material being transported. LORENZETTO LORIS declines responsibility in cases where transportation has been carried out by the client or by transporters chosen by the client.

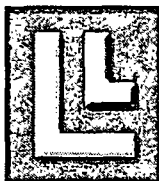
C.4.2 RECEIVING, UNLOADING AND STORING THE MACHINERY

C4.2.1 IN GENERAL

When the machinery arrives at destination, it must be checked over for signs of damage or missing parts. The check must be carried out with a delivery note and if parts are found to be missing or damaged, the client must make an immediate claim to the company insuring the transportation. LORENZETTO LORIS' After-Sales Service dept. must be informed immediately of the results of the check.

C4.2.2 WARNINGS AND SAFETY INSTRUCTIONS

 **UNLOADING** operations can have fatal consequences if not carried out by suitable operators and equipment. The person in charge of unloading must be a technical expert in safety and protection measures. The person in charge must have at his disposal the necessary human and equipment resources taking into account the parameters of dimension, weight and gripping points of the individual components.



Before starting any unloading operation, chapter “C 5.1 Warnings and safety instructions” must be read.

C 4.2.3 WEIGHTED DATA FOR LIFTING

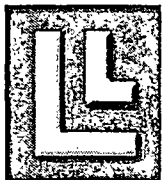
Data referring to the weights of the mixer can be seen in table A1.

C 4.2.4 UNLOADING

Prepare a suitable marked-off area, paved or with a flat surface for unloading and ground assembly of the machine parts.

- ❖ **Open the packaging at the top and remove the various parts by lifting them vertically after inclining carefully.**
- ❖ **Check that the various parts are undamaged and that none of the accessories required for installation are missing (bolts, parts of the motor reducer, electrical system, etc.). Inform LORIS LORENZETTO of any missing parts.**
- ❖ **Lay down wooden beams for the components to be positioned on.**
- ❖ **Heavy items can be lifted using chains, belts or cables which should be checked for their suitability for the weights involved**
- ❖ **Take special care of corners and use corner protectors or precautions to prevent belts or cables cutting the machinery.**
- ❖ **Use suitable harnesses, of the correct length and attached to the fixing points indicated**
- ❖ **Using suitable equipment, lift the load vertically and move it to the prepared area taking care not to make the load swing during lifting**
- ❖ **Items lighter than 30 kg are not weight-marked and can be moved manually, but the employer should still take all the necessary precautions, for example by using suitable mechanical equipment, etc., to avoid employees injuring their backs**
- ❖ **When unloading is finished, before parts are placed in storage, touch up paintwork and any damaged parts.**

If the machinery is not intended to be used within 60 days of delivery, the mechanisms should be lubricated immediately.



the equipment, whether intended to be installed under cover or in the open air, can be stored for a maximum of five years in an environment with the following characteristics:

- **Protected from atmospheric agents**
- **Humidity not exceeding 80 %**
- **Minimum temperature above -20°C**
- **Maximum temperature below $+70^{\circ}\text{C}$**

If the above conditions are altered during storage, preliminary checks should be carried out before the machinery is used.

If the temperature in the storage place should rise above or go below the temperatures indicated above, and the humidity level should rise above 80%, the items should be given extra protection with padded sacking and hygroscopic salts.

C 4.2.6 STORAGE IN OPEN-AIR PLACES

In order to store the equipment in the open air, prepare:

- **A marked-off storage area**
- **All items without pallets must be raised off the ground on wooden planks**
- **Protection of all items with padded sacking and hygroscopic salts**

If the machinery has been built for outside use, the wooden parts do not require particular attention. However, the parts produced with machine tools (worked surfaces, wheels, hinges, etc.) must be protected with anti-oxidising products (transparent paints, grease, etc.)

C.4.2.7 STORAGE FOR MORE THAN 5 YEARS

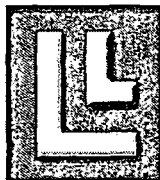
For periods of storage of over 5 years, ask the manufacturer for advice of preservation.

C.4.2.8 CARE AFTER STORAGE

Before using machinery that has been stored for a long time, the steps below must be followed.

For the structure

- Remove traces of paint or lubricant from the structure to the rails
- Clean the hole threads of the joints and any grease residues
- Ripassare la filettatura dei fori di giunzione ed eventuali residui di grasso
- Clean the butting surfaces of bolted joints
- Repair any damage to the structures (bends, cuts, damaged welding, etc.)
- Repair any damage to paintwork (scratched surfaces, peeling paint, etc.)
- Check that all the bolts are complete and tightened to their nominal torque



For mechanisms

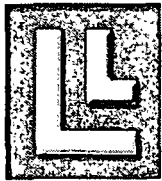
- Check for leakages of lubricant and, if necessary, restore the levels of lubricant
- Replace any defective gaskets
- Check that the accessory sliding parts of the command panels are correctly tightened
- Check that all components are complete
- Lubricate the coupling bearings and unpainted mechanical parts (shafts, joints, etc.)

Remove any residues of water present in any hollow parts of the structure and the mechanisms.

C 5 WARNINGS AND SAFETY ADVICE

Prior to starting to unload the machine at the site, the following page should be read carefully.

- Motorised means used (self-propelled cranes, mobile cranes, lifting trucks, electric height-adjustable scaffolding, generic-use scaffolding, suspended platforms, including various accessories like harnesses and similar items) must be suitable, in a good state of repair, and, if necessary, in compliance with local regulations.
- The consistency, stability and uniformity of the land on which the structure is to be assembled must always be checked thoroughly in advance.
- All electrical equipment must be powered exclusively at low-voltage. If this is not possible, other accident-prevention precautions must be taken, e.g. ground fault breakers.
- Weights and more complex structures to be lifted must be checked carefully and, if necessary, further information should be requested from the calculation and design department.
- The area reserved for the assembly of the structure must be marked off carefully, and all persons not specifically involved in the work must be denied access.



EQUIPMENT AND OPERATORS REQUIRED FOR ASSEMBLY

OPERATOR REQUISITES

Four technicians and three assistants are required to assemble the equipment:

- > two general mechanics,
- > a specialised mechanical technician
- > a specialised electrical technician
- > three general assistants for the first part of the assembly

Once the structure has been placed in position and secured, only the two specialised technicians are necessary.

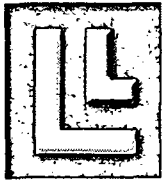
Bear in mind that specialised technicians who assemble the machine are generally the same persons who carry out maintenance and adjustments. Therefore it is advisable for them to be present during all phases of assembly in order that they should know every part of the machine perfectly.

INSTRUCTIONS FOR ASSEMBLY

GENERAL

The text provides indications that should be kept in mind when deciding the assembly schedule:

- a. Preparation of an assembly schedule.
- b. Storage of the assembly materials, and storeroom management.
- c. Transportation of smaller items from the storeroom to the assembly site.
- d. Assembly of the smaller parts and assembly of the whole apparatus, taking note of specific advice given, as well as all the drawings of the whole apparatus, its details and specific notes.
- e. Carrying out all prescribed checks in the presence of the site foreman.
- f. Supply of all the assembly means, consumer materials necessary for assembly (e.g. grindstones, drill bits, sealants, tapes, etc.).



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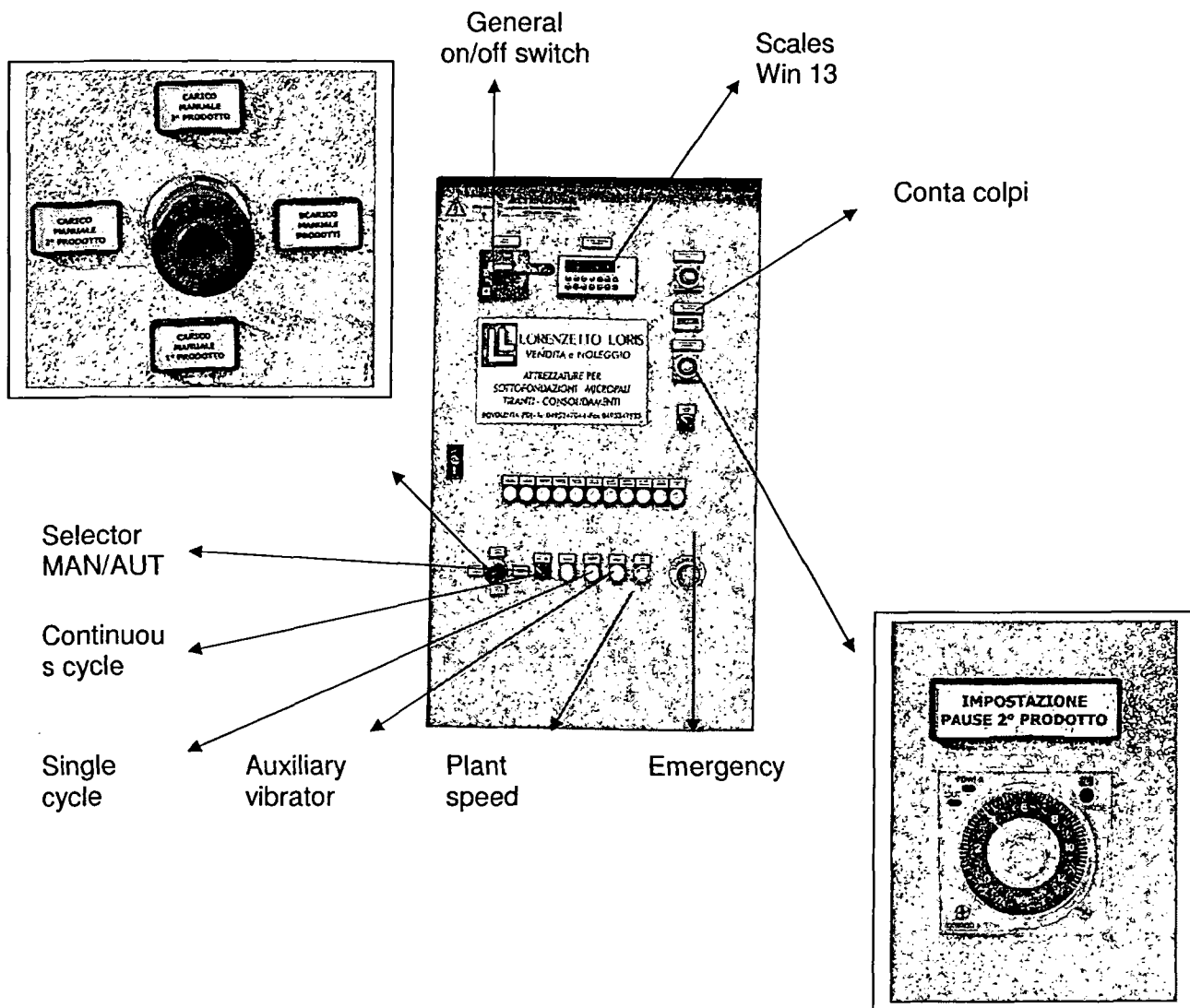
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C 8 DESCRIPTION AND USE OF THE MACHINE

C 8.1 DESCRIPTION AND INTENDED USE OF THE MACHINE



The LODOS 30 has been designed to measure out quantities of water, cement and bentonite for consolidation work in building sites:



dom. Fiscale: Via Candiana n°17 - 35024 Bovolenta (PD)

Tel: 049/5347044 - Fax: 049/5347935 - e-mail: l_lorenzetto@yahoo.it

C.F. LRN LRS 50T30 B589W - P.iva 02272170289



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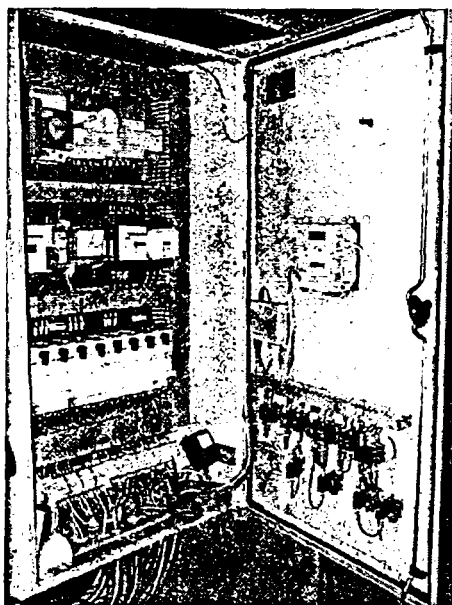
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OPERATING INSTRUCTIONS – ELECTRICAL CONNECTIONS AND STARTING-UP

POSITIONING

- 1) Position the LODOS 30 on flat, compact ground

ELECTRICAL CONNECTIONS



ALL ELECTRICAL CONNECTIONS MUST BE CARRIED OUT BY A QUALIFIED AND SPECIALISED OPERATOR.

Prior to connecting up the electrical current, it is advisable to:

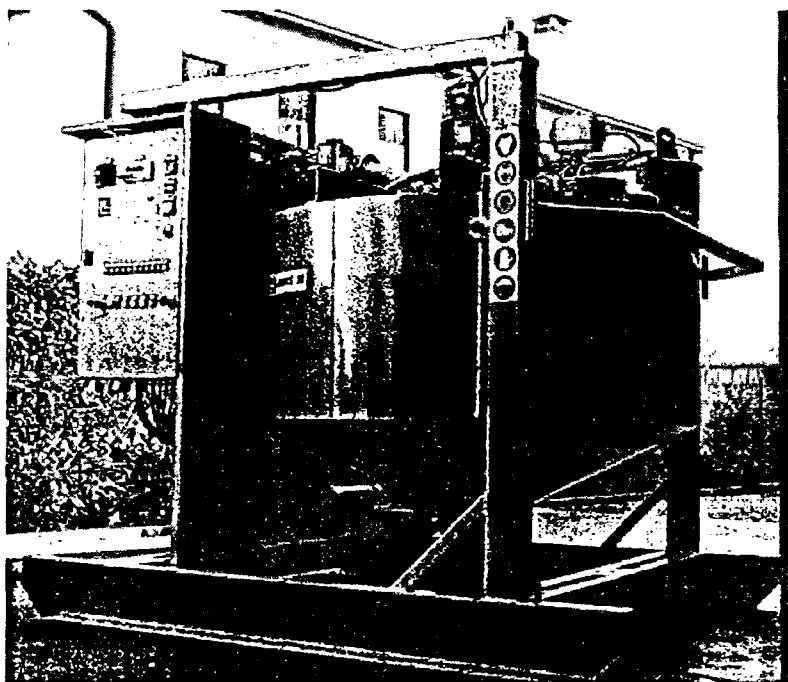
- 1. CHECK** that the voltage corresponds to the voltage prescribed on the plate on the panel itself (fig. 2) and on the electrical diagram annexed to these instruction tables, and contained within the electrical panel.
- 2. Ensure** that the structure of the machine is **GROUND**ED correctly.
- 3. Ensure** that the electric motor turns in the direction shown by the arrow on the motor itself.
- 4. Check** that all the protection papers are attached in the correct position.
- 5. Ascertain** that nobody is working near the equipment.

Have a specialised technician carry out periodical checks of all electrical leads and components installed on the machine.



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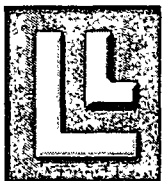
TURNING ON THE LODOS 30 MIXER



- 1) Connect the plug to 380-volt current.
- 2) Turn on the motor and check that it is turning in the direction indicated by the arrow on the rear part of the **TURBOMIXER** motor **SCREW FEEDER** No. 01, **SCREW FEEDER** No. 02 AND **WATER PUMP**

WARNING: before dismantling any pipes or pump parts, **ALWAYS** check that all **PRESSURE** has been removed.

N.B It is, however, of paramount importance, before disconnecting the emergency stop, that the problem that caused the machine to come to an emergency stop be resolved. In any doubt, do not carry out any manoeuvres, and contact the manufacturer at the numbers written in the manual.



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Before using the machinery, it should be positioned carefully on a flat surface.

The resting surface must be checked before transportation and again before the machinery is positioned on it in order that it should be perfectly flat, without protuberances and/or obstacles that may prevent it being made flat.

THE MIXER must not be used with materials that are different from those indicated; persons not involved in the working cycle must not stand near the machine, nor on it, but exclusively on the platform intended for the operator working the machinery.

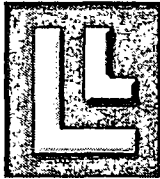
Nobody must be allowed to pass or stand in any part of the working area of the machinery.

THE MACHINE WORKS AUTOMATICALLY AND THEREFORE, WHEN IT NEEDS TO LOAD THE VARIOUS PRODUCTS (WATER, BENTONITE, CEMENT), IT STARTS UP THE SCREW FEEDER AND THE PUMPS THAT ARE POSITIONED ON OTHER SEPARATE PARTS OF THE MIXER, THEREFORE THESE SCREW FEEDERS AND PUMPS START MOVING WITHOUT NOTICE AND CONSEQUENTLY CAN BE VERY DANGEROUS FOR OPERATORS OR FOR ANYBODY ELSE WHO MAY BE CARRYING OUT MAINTENANCE OR HAVE THEIR HANDS IN DANGEROUS PLACES.

Therefore, the machinery should be completely surrounded on all sides by a system of barriers fixed to the ground with horizontal bars covered with 45° diagonal white-red or yellow-black stripes, at a height of about 100 cm from the ground, in such a way as to render the area completely inaccessible.

These barriers should also have signs showing that access is forbidden.

It is the responsibility of the employer/user of the machine to provide technical, organizational and rigorous safety precautions and checks to ensure that no person can be present in the working area of the machine itself for any reason.



MAINTENANCE OF THE CONCRETE PARTS OF THE LODOS 30 MIXER

All maintenance **MUST** be carried out by specialised and qualified personnel only when the machine is turned off.

All personnel who work or pass within 10-15 metres from the pump while it is in motion or being maintained **MUST** wear:

- protective glasses
- protective overalls
- protective gloves
- safety shoes or boots
- helmet and protective ear cover

Cleaning the LODOS 30 mixer

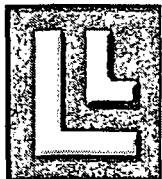
Before cleaning the machine **it is absolutely essential** to switch off the electric current from the pump control board, and to remove the electric plug:

IT IS STRONGLY ADVISABLE NOT TO USE water to clean electric components; electric motors, the electric panel, emergency buttons, etc.

In order to rinse the TURBOMIXER, after the having disconnected the general plug and having switching off the electric current by using the apposite switch, open the bolts, remove the cover and clean with a hosepipe after detaching the pump feed pipe so that the rinsed material can come out.

The person responsible for operating the machine must use continual preventive measures during the work to check that the working area is completely empty of people and/or things.

The machine and, above all, the safety devices must never be tampered with.



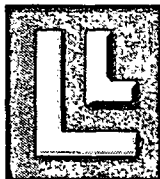
C 8.2 IRREGULAR AND UNALLOWED USE

The following is a brief sequence of pieces of advice for use and information about any anomalous situations that must be avoided at all cost:

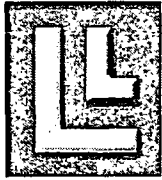
- do not allow unauthorised persons to stay in the vicinity of the machine;
- when operating the machine, wear work clothes and individual protective clothing in compliance with accident-prevention regulations (D.Lgs. 475/92): safety footwear, gloves, etc.;
- do not dismantle, nor disconnect, safety devices;
- do not use the machine in any way that is different from the way intended by the manufacturer.

Use of the concrete mixer for unintended operations, improper use of the machine and failure to carry out maintenance can cause dangerous and risky situations for the operator and damage the working environment as well as risking the operating and intrinsic safety of the machine. The list of actions below, which obviously cannot be an exhaustive list of all the potential "wrong uses" of the concrete mixer, constitutes however the most "reasonably" predictable uses which and are therefore absolutely forbidden:

- >DO NOT use the machinery if not physically fit.**
- >DO NOT use the machinery if not wearing suitable protective clothing.**
- >DO NOT operate without necessary care during the start-up and working phases.**
- >NEVER put hands on rotating or moving parts, in the contact areas with cutting parts, and between moving parts.**
- >DO NOT leave machinery completely unattended during operation.**
- >DO NOT carry out manoeuvres while persons are moving across the manoeuvre area.**
- >NEVER use the machinery for any use other than its intended use.**
- >DO NOT pass, stop, work and/or manoeuvre in proximity of the danger areas.**
- >DO NOT allow unqualified operators to use the concrete mixer.**



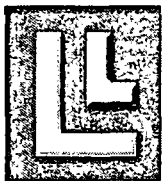
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- >DO NOT use higher speeds and/or working parameters than the nominal values.**
 - >DO NOT use the machinery in environmental conditions that are different from those intended.**
 - >DO NOT use continuously the automatic safety switches; they are needed for emergencies.**
 - >DO NOT use the machinery when voltage is much lower than usual or if one of the three strokes is accidentally missing.**
 - >NEVER modify the working/performance characteristics of the concrete mixer and/or its components.**
 - >DO NOT modify or alter the settings of the safety devices and/or allow the equipment to be tampered with.**
 - >DO NOT carry out temporary repairs or resetting work not in compliance with the instructions.**
 - >DO NOT use non-original spare parts or parts not recommended by the manufacturer.**
 - >DO NOT allow operators not recommended by the manufacturer to carry out maintenance or repairs.**
 - >NEVER use the machinery if not in perfect working condition.**



C 8.3 GENERAL WARNINGS

C 8.3.2 SAFETY REGULATIONS FOR USE

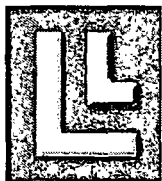
- Follow the indications regarding the analysis of risk in the workplace as shown by the person in charge of safety at the works.
- Follow the indications and the instructions in the installation and use manuals and check that all machine components and parts are complete.
- All use and maintenance activities not described in this manual must be carried out by specialised operators, trained by the manufacturer.
- Respect the instructions and the warnings highlighted on the machine; the warning tags attached to the plant and in the manoeuvre areas are accident-prevention warnings and must always be perfectly legible.
- Ensure that the machine operates in an environment that corresponds with the building data
- Check constantly the efficacy of the safety devices in all movements carried out by the concrete mixer.
- Set in motion the various movements avoiding as far as possible giving command impulses in quick succession.
- For all operations, use suitable work clothing in compliance with safety regulations in the workplace.
- Report any unusual performance, (defective behaviour, suspected broken parts, incorrect movements and unusual noise or noise levels) to the person in charge of the department and switch off the machine. When the machine is stopped (e.g. in cases of defects regarding safety and operational reliability, in emergency situations, breakdowns or repairs or maintenance, in the case of individual damage or at the end of the work), the person/expert in charge of the plant must carry out all the normal safety checks.
- Respect the schedule for maintenance work and record any observations made at each check.
- All safety measures and warnings referring to operational safety, as well as points regarding general safety and accident prevention to be adopted or observed before, during and after operation, must be rigorously implemented.
- Failure to do so may cause accidents, which may be fatal.
- It is forbidden to prevent safety devices from working or to apply them in a way that is different to their intended use.
- The machine can be used only if all the protection and safety devices are applied and working.
- Anybody recognising immediate danger for persons should press the emergency button without delay. This should also be done when checking damage on parts of the plant and its components, which require an immediate halt. After an emergency stop, the operator can restart the machine only when a technician has checked that the cause of the anomaly has been removed, and that the plant can carry on functioning without further danger.
- Before starting up the machine it is necessary to check that no person will be placed in danger as a consequence of the machine's functioning.



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30

- If the operator should realise that persons are present that could be in danger due to the machine's functioning, he should stop it immediately and start it up again only when the persons are out of the danger area.
 - Before the machine is started up each time, the operator should check that it is in the right condition and perfectly safe.
 - Work can be carried out on the machine only following specific orders, after training has taken place on the use and functioning, and after the work and danger area has been sectioned off.
- Specific local conditions or specific uses may lead to situations not considered at the time this manual was being written. In such cases, the user must take particular care in ensuring full safety during operation



C. 9. C. 9. DISMANTLING THE MACHINE

When disposing of the machine components and the other substances used, it should be remembered that some, for example, spent oils, are considered pollutants and, therefore, constitute hazardous waste.

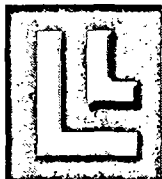
Since the disposal of such waste is regulated by local and national laws, such regulations must be fully respected.

To scrap your machine, implement the following procedure:

- Disconnect the machine from the electric current. When the machine is not connected to electric current, check that the circuit is not pressurised.
- Consult the company named in the machine scrap certification as to the scrapping regulations in the country in which the machine is installed.
- Empty, store and dispose, in the correct way, of the substances of the "Special Not Hazardous" and "Special Hazardous" types (oils, greases, coolant and lubricant, etc.), present in the lubricant and mechanical coolant tanks (reduction units, variators, gear boxes, etc.).
- Dismantle the machine taking care to divide the component materials according to their chemical nature (iron, aluminium, bronze, plastic, wood, etc.).
- Following the regulations in force in the country in which the machine is installed, proceed with scrapping the various materials and disposing of the various components of the "Hazardous" and "Not Hazardous" type.

DO NOT USE AS SPARE PARTS THE PARTS THAT HAVE BEEN REMOVED FOR SCRAPPING.

FAILURE TO TAKE NOTE OF THE ABOVE INDICATIONS RELIEVES THE MANUFACTURER OF ALL RESPONSIBILITY AND IS CONSIDERED NEGLIGENT USE OF THE PRODUCT.



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C 10. NOISE

Although the work position is intended to be inside the production department, noise level checks have been carried out on the LODOS 30 by placing the instrumentation 1 metre from various points of the machinery.

MEASUREMENTS:

- 1) **Personal exposure according to art. 39 is measured directly with a integrator phonometer.**
- 2) **The highest measurement (peak) of unweighted instantaneous acoustic pressure has a rising time constant of about 80 microseconds.**
- 3) **The measurements were carried out in regular work places normally occupied by workers, at a height of 1.50m. from the floor, at 0.1m from each side of the head, assuming the highest value.**
- 4) **In all the measurements the microphone was held far from the person's body, to avoid reflections on the sound waves directing them towards the source of noise.**

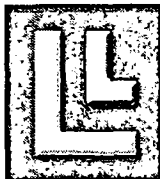
The instrumentation was calibrated at the start and at the end of each measurement; in cases where calibration values did not agree with the one indicated, the measurements were repeated.

The following apparatus was used for measuring

Phonometer	HD9019 class 1 precision integrator
Resolution	+/-0,1db
Measuring field	from 0 to 130db
Weighting	"A"
Regulations	IEC651/79 IEC804/85
Precision calibrator	HD9101 class 1 Sound pressure level emitted = 94 db at 1.000HZ
	Precision: +/-0,3db

EMPTY FUNCTIONING

Measurement with loaded plant	Noise levels	Lev.Aeq<85dB(A)
	Max. level peak	< 90db(A)

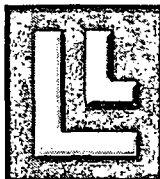


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C.11 ANNEXES

ANNEX 1 : SPARE PARTS FOR THE TURBOMIXER LODOS 30

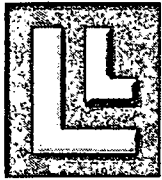
ANNEX 2 : ELECTRICAL DIAGRAM OF THE TURBOMIXER LODOS 30



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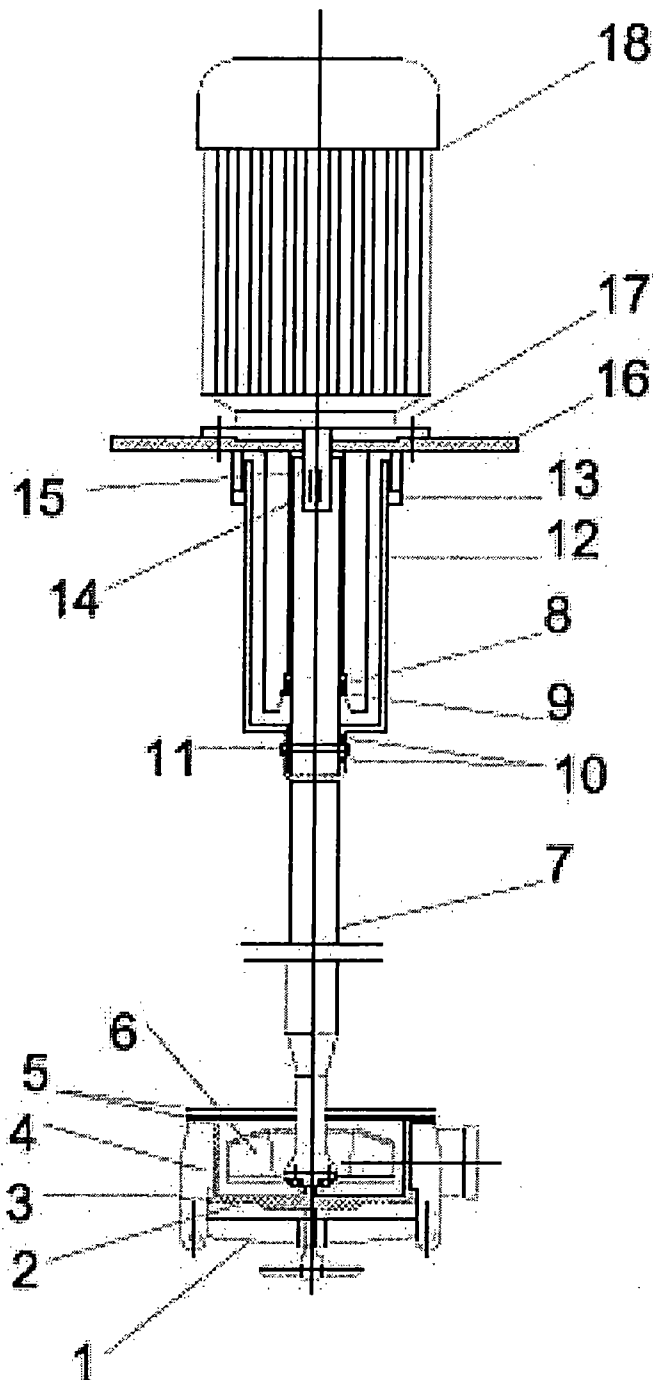
COMPONENTS TURBOMIXER LODOS 30

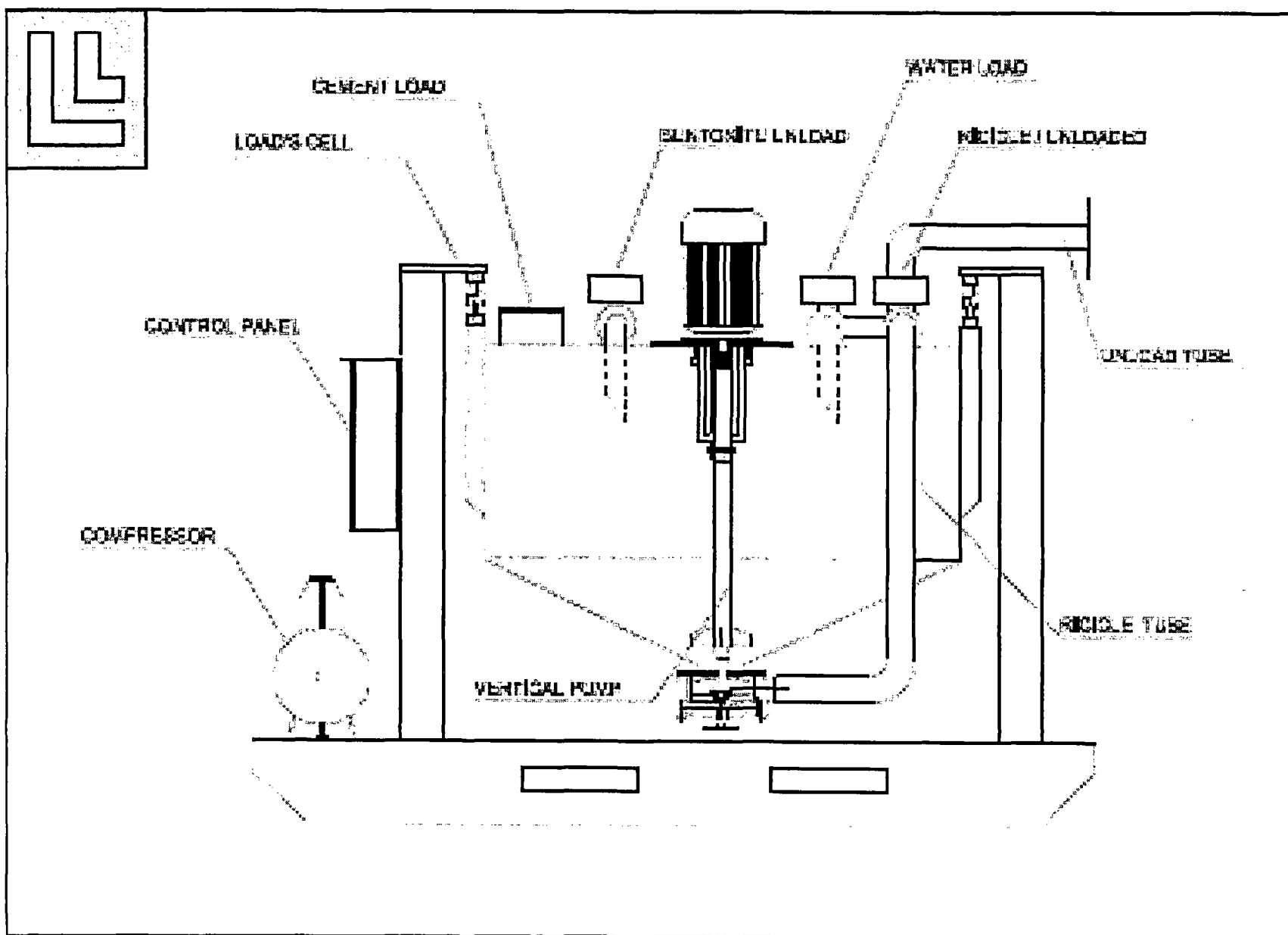
		VERTICAL PUMP 22 KW			TAV:
POS	COD.	DESCRIPTION	N.P Z	N.DIS.	
1		RETAINING BEAM	1	M882	
2		COVER IMPELLER HOUSING	1	M881	
3		GASKET COVER	1	M884	
4		IMPELLER HOUSING	1	M880	
5		GASKET IMPELLER HOUSING	2	M883	
6		IMPELLER	1	M879	
7		SHAFT	1	M871/ L	
8		BALL BEARING 6016 2RS1/C3	1		
9		SEEGER RING 125 I	2		
10		OR-RING	2		
11		BOLT 80/100 WITH SELF LOCKING NUT	1		
12		PROTECTION SHAFT	1		
13		RING SPECIAL RUBBER	1		
14		BOLT 8/100 WITH SELF LOCKING NUT 8	1		
15		KEY	1		
16		SLAB WITH SUPPORT BEARING	1		
17		BOLT WITH SELF LOCKING NUT 16/80	4		
18		ELETRIC MOTOR B3-B5 22KW 50/60HZ	1		
19		WEAR PLATE		M8193	



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20	SCREW CROSS BEAM BLOCK	M885
----	------------------------	------





Dibble, Dickson

From: Dibble, Dickson
Sent: Wednesday, September 24, 2008 4:37 PM
To: 'cmorales@treviicos.com'
Cc: Bowman, Sandy
Subject: Concrete Batching Plant Air General Permit Registration

Tracking: **Recipient** **Delivery**
 'cmorales@treviicos.com'
 Bowman, Sandy Delivered: 9/24/2008 4:37 PM

Carlos,

I apologize for the first incomplete e-mail. I am not sure why it was sent before I had completed it, but I must have hit send by mistake. At any rate here is the complete email.

My e-mail address is:

Dickson.Dibble@dep.state.fl.us

Please provide me with the following detailed information for each silo, weigh batcher and truck loadout:

1. Manufacturer
2. Model number
3. Product (cement, slag, flyash, etc.)
4. Capacity (Bbl or Tons)
5. Silotop baghouse(s) make and models and application to which equipment (silo, batcher, loadout, etc.)
6. Central baghouse(s) make and models and application to which equipment (silo, batcher, loadout, etc.)

Thank you for your assistance. I look forward to your reply.

Have a great day!

Dickson E. Dibble

Dickson E. Dibble, ES III

FL Dept of Environmental Protection
 Div. of Air Resource Management
 Bureau of Air Monitoring & Mobile Sources
 Air General Permit Program
 Tel. (850) 921-9586
 FAX (850) 922-6979
 ICG-#345

Dickson.Dibble@dep.state.fl.us



Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure

9/24/2008

Dibble, Dickson

From: Carlos Morales [cmorales@treviicos.com]
Sent: Thursday, September 25, 2008 2:04 PM
To: Dibble, Dickson
Cc: Bowman, Sandy
Subject: RE: Concrete Batching Plant Air General Permit Registration
Attachments: Staggering Area Layout.jpg

Hi Dickson,

No problem. I inserted below the info you requested, in red and bold characters. I have also attached a sketch with the anticipated assignment for each silo (cement, bentonite, etc).

Do not hesitate to call / e-mail me, should you need further info.

Kind regards,

Carlos Morales
Quality Control Manager - Deputy P.M.

TREVIICOS SOUTH, Inc
38 Third Avenue, 3rd Floor
Boston National Historic Park
Charlestown, MA 02129

P: (617) 241-4800
F: (617) 241-4801
C: (617) 590-8709
www.treviicos.com

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From: Dibble, Dickson [mailto:Dickson.Dibble@dep.state.fl.us]
Sent: Wednesday, September 24, 2008 4:37 PM
To: Carlos Morales
Cc: Bowman, Sandy
Subject: Concrete Batching Plant Air General Permit Registration

Carlos,

I apologize for the first incomplete e-mail. I am not sure why it was sent before I had completed it, but I must have hit send by mistake. At any rate here is the complete email.

My e-mail address is:

9/25/2008

ADDENDUM TO PAGE 10

Dickson.Dibble@dep.state.fl.us

OF APPLICATION DATED 9/2/08

Please provide me with the following detailed information for each silo, weigh batcher and truck loadout:

1. Manufacturer
Vertical Silos: Belgrade Steel Tank Company Inc.
Horizontal Silo: (truck loadout): Belgrade Steel Tank Company Inc.
Mixing Plant: (weigh batcher): Lorenzetto Loris
2. Model number
Vertical Silos: not specified.
Horizontal Silo: not specified.
Mixing Plant: Lodos 30
3. Product (cement, slag, flyash, etc.)
See attached sketch
4. Capacity (Bbl or Tons)
Vertical Silos: 350 Barrel
Horizontal Silo: 300 Barrel
Mixing Plant: Lodos 2 cu yd
5. Silotop baghouse(s) (make and models and application to which equipment (silo, batcher, loadout, etc.)
Vertical Silos: "Belle" Style Bag house – 225 sq ft bag area
Horizontal Silo: "Belle" Style Bag house – 225 sq ft bag area
6. Central baghouse(s) make and models and application to which equipment (silo, batcher, loadout, etc.)
n/a

Cut- sheets of all equipment attached to the permit

Thank you for your assistance. I look forward to your reply.

Have a great day!

Dickson E. Dibble

Dickson E. Dibble, ES III

FL Dept of Environmental Protection
 Div. of Air Resource Management
 Bureau of Air Monitoring & Mobile Sources
 Air General Permit Program
 Tel. (850) 921-9586
 FAX (850) 922-6979
 ICG-#345

Dickson.Dibble@dep.state.fl.us

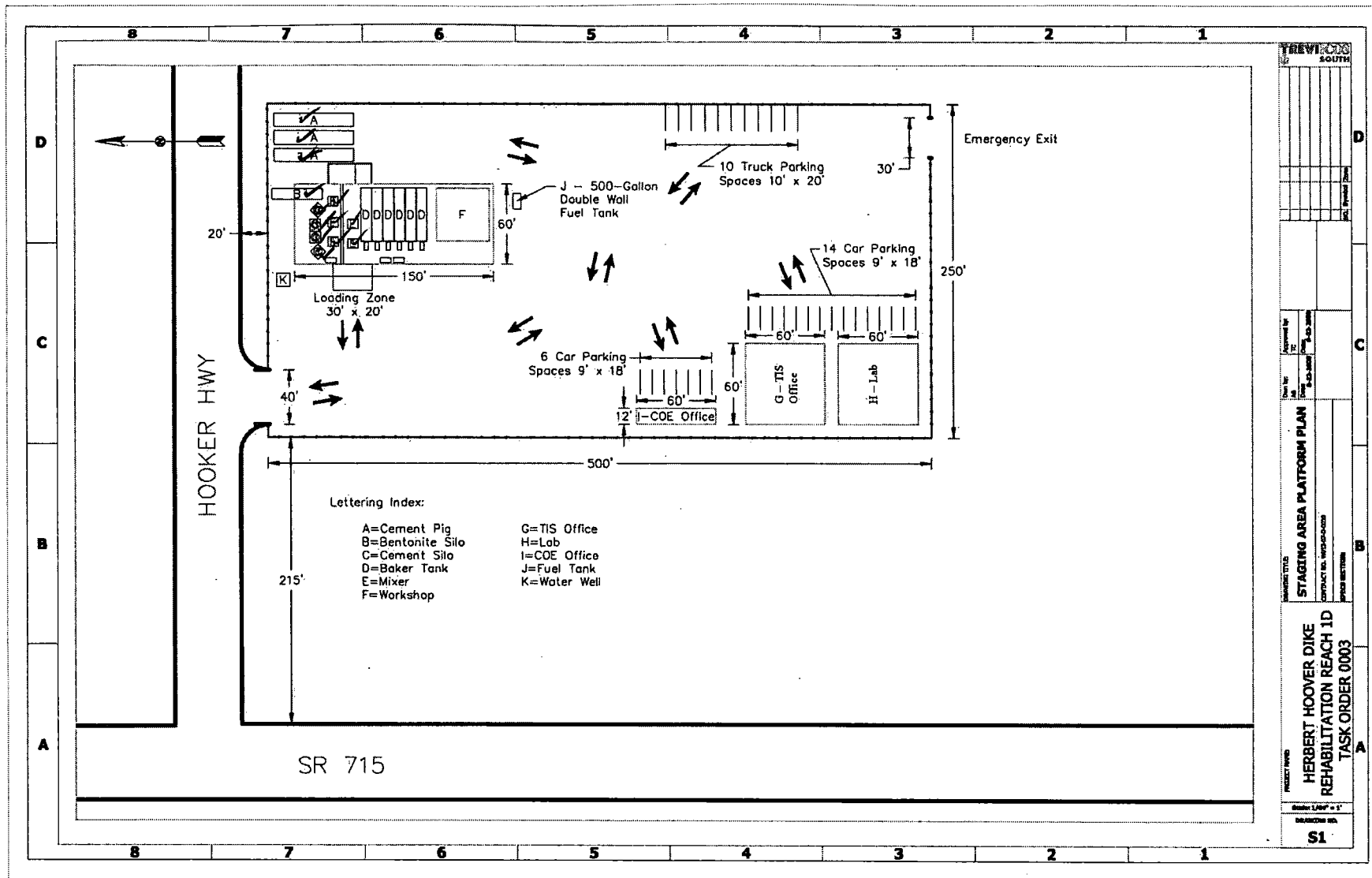


Please note: Florida has a very broad public records law. Most written communications to or from state officials

9/25/2008

regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.



PROJECT TITLE		STAGING AREA PLATFORM PLAN	
PROJECT NO.		HERBERT HOOVER DIKE	
DRAWING NO.		REHABILITATION REACH 1D	
DATE		TASK ORDER 0003	
DRAWN BY		S1	
CHECKED BY			
APPROVED BY			
DATE			
CONTRACT NO.		W-93-0003	
PROJECT LOCATION			

Cash Receiving Application (CRA)
 Cashlisting by Deposit #: 291119 thru 291119
 Printed: 9/2/2008 4:33:44 PM - Page 15

Cashlisting: 70669 Cashlist Area: 3755 Description: DIV OF AIR RESOURCES MGMT.
 Deposit No: 291119 Date Deposited: 09/02/2008 Contact: E. WALKER

Object	Transmittal	Dep DDN	Receipt Number	Pre-Numbered Receipt	Name	Check Number	Payment Amount	Reference Account	Payment Number	Remittance Number	Fund	Grant
002272	50283	485486	635746		TREVI COS CORP	45520	\$100.00	2775335 001 9/10/2008-CCB	897996	794638	PFTF	2008
Object Code 002272 Subtotal:							\$100.00					
002278	50283	485481	635741		ACT	6843	\$200.00	49844	897986	794633	APCTF	
	50283	485481	635741		ACT	6843	\$400.00	49796	897987	794633	APCTF	
	50283	485481	635741		ACT	6843	\$300.00	49811	897988	794633	APCTF	
	50283	485482	635742		CROSS REMEDIATION, INC.	16321	\$200.00	49945	897989	794634	APCTF	
	50283	485483	635743		CROSS CONSTRUCTION SERVICES, I	8050	\$800.00	50268	897991	794635	APCTF	
	50283	485483	635743		CROSS CONSTRUCTION SERVICES, I	8050	\$200.00	50316	897992	794635	APCTF	
	50283	485483	635743		CROSS CONSTRUCTION SERVICES, I	8050	\$200.00	50270	897990	794635	APCTF	
Object Code 002278 Subtotal:							\$2,300.00					
Cashlisting 70669 Total:							\$2,400.00					

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Mo. Day Year	Scheduled Time of Delivery <input type="checkbox"/> Noon <input type="checkbox"/> 3 PM	COD Fee \$	Insurance Fee \$
Time Accepted <input type="checkbox"/> AM <input type="checkbox"/> PM	Military <input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day	Total Postage & Fees \$ 16.50	
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CHECK DATE	8/19/08	CHECK NUMBER	45520	TOTALS	100.00