

LEMANCO BIN PLANNING GUIDE

PURPOSE

The following questions and information have been developed as a guide to assist you in planning your storage bin addition. This guide is designed to stimulate your thought process and provide the information needed to develop an accurate quotation to serve your requirements. We encourage you to read the following information and **Lemanco's Features and Options Brochure** then apply what is needed in your particular application.

COMPANY: _____ DATE: _____

CONTACT: _____ TEL: _____

ADDRESS: _____ FAX: _____

CITY: _____ ST. _____ ZIP: _____

Email: _____

Project Scope Site Location: _____

Are planned bins for: New Construction: _____ Add-On: _____ Replacement: _____

Target Date to start construction: _____, 20____.

Bin Structure use:

Receiving: _____

Load-Out: _____

Batching: _____

Other: _____

NOTE: Use separate form for each application

<i>Material To Be Stored</i>	<i>Density #/Cu. Ft.</i>	<i>Quantity Received</i>	<i>Tons/Trucks, etc. Receiving Units</i>	<i>Tons/Day Daily Usage</i>	<i>Tons Min. Storage Required</i>	<i>Flow Characteristics</i>	<i># of Bins Required</i>
(1)							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							
(13)							
(14)							
(15)							
(16)							
(17)							
(18)							
(19)							
(20)							

Use Additional Pages if needed and attach

Ingredient/Batching Bins

Number of bins: full size: _____, half size: _____, qtr. size: _____

Capacity in tons: full size: _____, half size: _____, qtr. size: _____

Bin Discharge Method:

Note: Standard Gate Sizes: 18" x 18" and 24" x 24" (Other Sizes Available)

Standard Screw Feeder Sizes: single 9" dia., single 12" dia., single 14" dia.
double 12" dia., and double 14" dia. (Other Sizes Available)

of gates: _____ size: _____, totally enclosed: _____,
type: air _____ qty., manual _____ qty., solenoid: sgl _____, dbl _____,

of gates: _____ size: _____, totally enclosed: _____,
type: air _____ qty., manual _____ qty., solenoid: sgl _____, dbl _____,

of feeders: _____ size: _____ sgl _____, dbl _____,

of feeders: _____ size: _____ sgl _____, dbl _____,

of feeders: _____ size: _____ sgl _____, dbl _____,

Weigh Hopper size (batch or mixer size): _____ ton.

If mixer & surge hopper are to be located above work floor give clearance needed under weigh hopper discharge gate: _____.

Mezzanine Floors (Attached to Bin Support Columns), Number of Floors: _____.

Type of floor: concrete: _____, bar grating: _____, plate: _____.

Floor Size Each: _____.

Loads per floor: _____.

(loadings for the mezzanines should be specified as concentrated weights, such as pounds per machine, or uniform loads such as pound per square foot of area.)

Head house (on bin roof deck): Height of Head house Mezzanine above roof deck _____ ft.

size: _____ x _____ eave height: _____, mezzanine floor in head house: size _____ x _____.

Weight of machinery to be supported on roof deck: _____ lbs per sq./ft.,

mezz: _____ lbs per sq./ft.

If bins & structure are to extend up through roof of building give eave height: _____ roof pitch: _____.

Show location of bin group, relative to building dimensions, on the hopper plan view.

Enclosure Around Support Structure yes: _____, no: _____

bin structure: _____ head house: _____ access doors: _____ size _____

Safety Equipment: ladders/cage _____ lin. ft. _____

handrails _____ lin. ft. _____

catwalks _____ lin ft. _____

(If hopper plan and building sketch is on separate sheets, please attach. If several bin groups are needed, please attach a sketch of each group and identify purpose.)

Load-Out Bins

Number of Bins: full size: _____ half size: _____, qtr. size: _____.

Capacity in Tons: full size: _____ half size: _____, qtr. size: _____.

Bin Discharge Method:

of gates: _____ size: _____, totally enclosed: _____,
type: air _____ qty., manual _____ qty., solenoid: sgl _____, dbl _____,

of gates: _____ size: _____, totally enclosed: _____,
type: air _____ qty., manual _____ qty., limit switches _____,

Discharge Adaptor: 4 to 1: _____, 2 to 1: _____.

Weigh Hopper requirements: traveling _____, stationary: _____.

Truck scale requirements: pit scale: _____, above grade: _____.

Service area requirements under bins: cat walk _____, full mezzanine _____, length _____.

Weight of any machinery/equipment to be supported on mezzanine: _____ pounds.

describe _____.

Structural steel clearance required beneath discharge _____ feet.

Enclosure Around Support Structure yes: _____, no: _____

Give size of doors for trucks: _____ for walk-in: _____ Access to mezzanine: stairway: _____ ladder: _____.

Bin Requirements for Other Purposes:

Purpose: _____

Number of bins: full size _____, half size _____, qtr. size _____.
Capacity in tons: full size _____, half size _____, qtr. size _____.

Bin Discharge Method:

of gates: _____ size: _____, totally enclosed: _____,
type: air _____ qty., manual _____ qty., solenoid: sgl _____, dbl _____,
of gates: _____ size: _____, totally enclosed: _____, solenoid: sgl _____, dbl _____,
type: air _____ qty., manual _____ qty.,
of feeders: _____ size: _____ sgl _____, dbl _____,
of feeders: _____ size: _____ sgl _____, dbl _____,
of feeders: _____ size: _____ sgl _____, dbl _____,

Discharge Adaptors: size 4 to 1 _____ qty.
size 2 to 1 _____ qty.

Structural steel supports to provide _____ feet of clearance under discharge.

Mezzanine Floor Requirements: _____ qty. size: _____.

Weight of any machinery/equipment to be supported on mezzanine: _____ lbs per sq./ft.
describe _____.

Type of Floor: concrete: _____ bar grating: _____ tread plate: _____.

Head house requirements: size: _____ height above bin deck: _____.

Weight of any machinery/equipment to be supported on mezzanine: _____ lbs per sq./ft.
describe _____.

Enclosures: bin structure: _____ head house: _____ access doors: _____ size _____.

Safety Equipment: ladders/cage _____ lin. ft. _____
handrails _____ lin. ft. _____
catwalks _____ lin. ft. _____

General Information

Man way 30" x 24" with filter bag, inspection port, and safety grid is furnished as standard. A sealed man way with pneumatic inlet stub and bin vent filter collar is offered as optional. Lemanco's Bin sizes 8' x 8', 10' x 10' including half and quarter sizes, have a standard roof of 3/16" plate, with 2 coats of silverbrite. 6' x 6' and 7' x 7' series bins have a standard roof of 11 ga. steel with 2 coats of silverbrite. Optional roof materials are also available such as checkered plate.

LEMANCO'S Optional Weigh Hoppers Include

- Traveling Weigh Lorry
- Stationary Weigh Hopper
- Weigh Hoppers with flared tops, cover, vent and canvas connector
- Flared tops vary from 10'x10' to 16'x16'sq. Weigh hoppers are supported in the bin support structure
- Weigh hoppers also come with header box when a large number of feeder screws are to be accommodated
- Traveling weigh lorry come with trolleys, shafts, support frame, load cells, trim cable, junction box, pillow block bearings, power unit (gear motor) with reversing starter, brake, chain & sprocket drive, trolley rails, rail support beams, and suspension columns to bolt onto the bin supports.

Other Options Include:

Mounting holes, mounting stubs for bin level indicators, air pads, air cannons and special mountings.

Optional At No Cost

Lemanco's Bin Roof standard is steel construction and can support thousands of pounds of machinery mounted on the roof if advised at time of order, because the machinery loading must be accounted for in the calculations of the structural steel bin supports. This standard steel roof can be substituted with curbing and decking to receive a concrete deck.

Note

- Please refer to our features and options (separate brochure) which shows available options, prior to completing this questionnaire.
- Other considerations that may apply during the planning stages are:
 1. Zoning restrictions
 2. Applicable codes
 3. Environmental impact & permits
 4. Building permits
 5. Soil tests
 6. Site restrictions
 7. Insurance requirements
 8. Rail siding
 9. Additional power requirements
 10. Engineering design assistance
 11. Contractor assistance
 12. Timing

COMMENTS: Please copy page 2 and use for all additional applications. We hope this guide serves as a useful method for you to plan your bin requirements. Should you have any questions concerning storage bins, please contact us. We will be pleased to provide you with a quotation.

Please Show Desired Compartment Arrangement and Desired Support Column Locations.
 Purpose to be Used For _____.

PLANVIEW											
A .	.	.	.	.	.	.	.	.	.	.	.
B .	.	.	.	.	.	.	.	.	.	.	.
C .	.	.	.	.	.	.	.	.	.	.	.
D .	.	.	.	.	.	.	.	.	.	.	.
E .	.	.	.	.	.	.	.	.	.	.	.
F .	.	.	.	.	.	.	.	.	.	.	.
G .	.	.	.	.	.	.	.	.	.	.	.
H .	.	.	.	.	.	.	.	.	.	.	.
I .	.	.	.	.	.	.	.	.	.	.	.
J .	.	.	.	.	.	.	.	.	.	.	.
K .	.	.	.	.	.	.	.	.	.	.	.
L .	.	.	.	.	.	.	.	.	.	.	.
M .	.	.	.	.	.	.	.	.	.	.	.
1	2	3	4	5	6	7	8	9	10	11	12

STANDARD BIN SIZES
7' x 7', 8' x 8', 10' x 10'

If in the future you plan to add-on more bins, please show side or sides of the future add-on, if they are to be attached



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