

Circle the appropriate vessel(s)

	Vessels							
	A	B	C	D	E	F	G	H
Corrosive material	A	B	C	D	E	F	G	H
CIP or washdown	A	B	C	D	E	F	G	H
Additional supports (spars, beams, skirt or cone)	A	B	C	D	E	F	G	H
More than one door	A	B	C	D	E	F	G	H
Protruding through roof or building	A	B	C	D	E	F	G	H
Located indoors	A	B	C	D	E	F	G	H
Capable of truck loadout	A	B	C	D	E	F	G	H

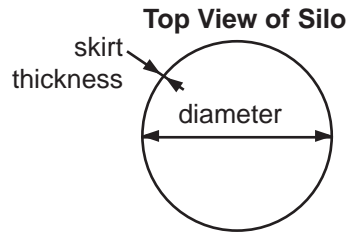
Controller

Enclosure Plastic/Fiberglass Stainless Steel
 Power 115/230VAC 100VAC DC (24V)
 Hazardous Rating at Controller Location(s) Class _____ Division _____ Group _____
 Temperature at Controller Location(s) Max _____ °F/°C Min _____ °F/°C
 Distance from Controller to the Most Distant Silo _____ feet/meters

Electronics

Weigh II MVS-4D MVS-8D
 SVS 2000 MVS-4D with STX MVS-8D with STX
 Output Relays Required? No Yes. How many? _____
 Current Outputs Required? No Yes. How many? _____
 Serial Options RS422 RS485 RS232 Compatible A-B RIO Modbus
 Other _____

Stress Level Calculation (copy this page for additional vessels)



Example = $\frac{200,000 \text{ lbs (live load in lbs)}}{144 \text{ inches} \times 3.14 \times .25 \text{ thickness}}$ = **1769 psi**
 (vessel diameter in inches x 3.14 x skirt thickness in inches)

Your Calculation = $\frac{\text{_____ lbs (live load in lbs or kg)}}{\text{_____ vessel diameter (in. or mm)} \times 3.14 \times \text{_____ skirt thickness (in. or mm)}}$ = _____ **psi or kg/mm²**

System Accuracy (for approved applications with no spars and relatively unobstructed panels)

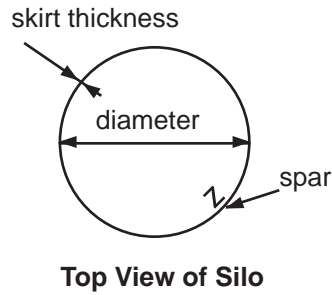
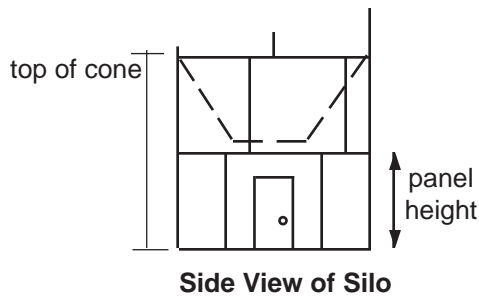
Carbon steel silo: ±3% of full span live load with stress levels from 1500 to 8500 psi (1.0 to 6.0 kg/mm²).
 Aluminum silo: ±5% of full span live load with stress levels from 1500 to 4500 psi (1.0 to 3.2 kg/mm²).

Example:

For an approved carbon steel silo with 200,000 lbs full span live load, system accuracy is
 200,000 lbs x ±3% = 200,000 x ±0.03 = ±6,000 lbs = maximum error

This maximum error applies both to the calculated gross weight and net weight. For example, for a batch movement of 50,000 lbs, the net reading will be 50,000 lbs ± 6,000 lbs = 44,000 to 56,000 lbs

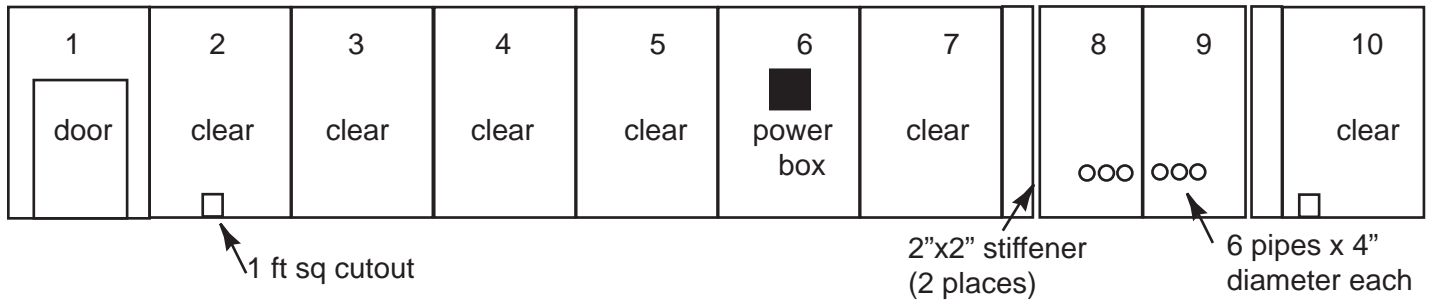
Additional Information



Is the second tier clear for installation? Sketch below.

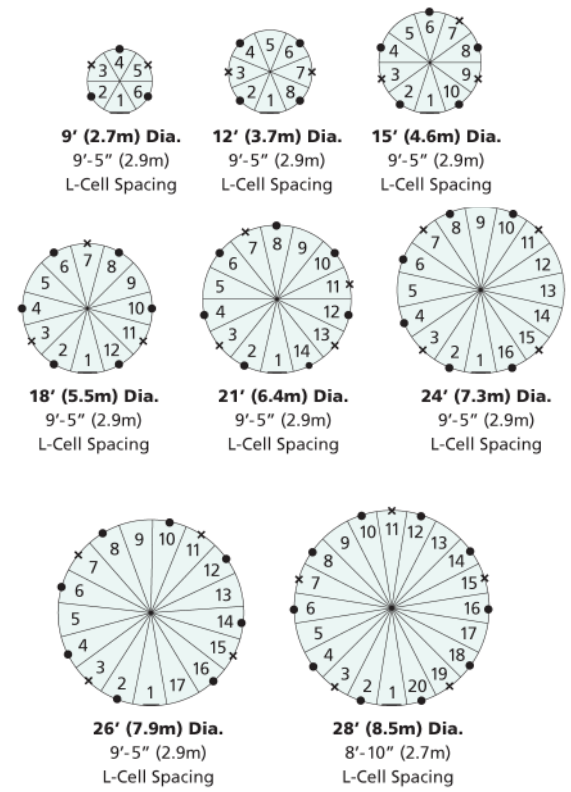
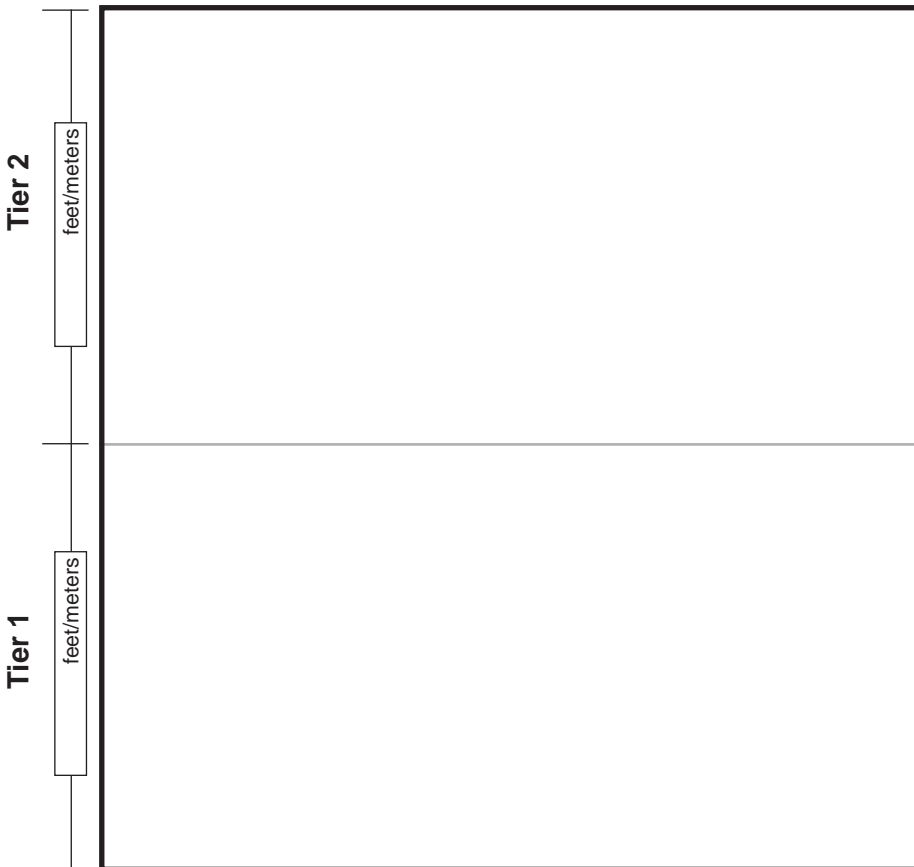
Example of Skirted Silo Panel Details

Note: Counting clockwise from panel 1, door panel.



Sketch Your Skirted Silo Configuration Below

Attach vessel/site drawings, photos, notes, etc. for further clarification.



- Legend**
- Sensor Set
 - X Junction Box
 - Door



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