

SAHARA

FIELD SOLUTIONS

Sahara Specifications (CAD)		
Total Storage Capacity	1,076 m ³	
Bin Capacity	89.7 m ³ each (12 total)	
	kg/m³	kg
	1442	1,551,450
	1602	1,723,832
Unload Capacity (stinger)	600 tonne/hr*	
Bucket Elevator Capacity	200 tonne/hr	
Dust Collection	Integrated 12,000 cfm **	
Power Requirement	480V, 60 Hz, 200A Supply	
Generator	Dual 135kW each, 480 Volt	
Drive Over	200 tonne/hr	
Temperature Rating	-30C to 50C ***	
Max Wind Rating	3 sec Max Wind Speed at 180 km/hr (112 mph) ****	

Notes:

- * Stinger geared down to 350 tonne/hr for efficiency
- ** cfm estimated, to be updated upon completion
- *** Temperature limitation based on oil type
- **** Wind rating is when unit is empty
- Max Capacity = 1,759,757 kg

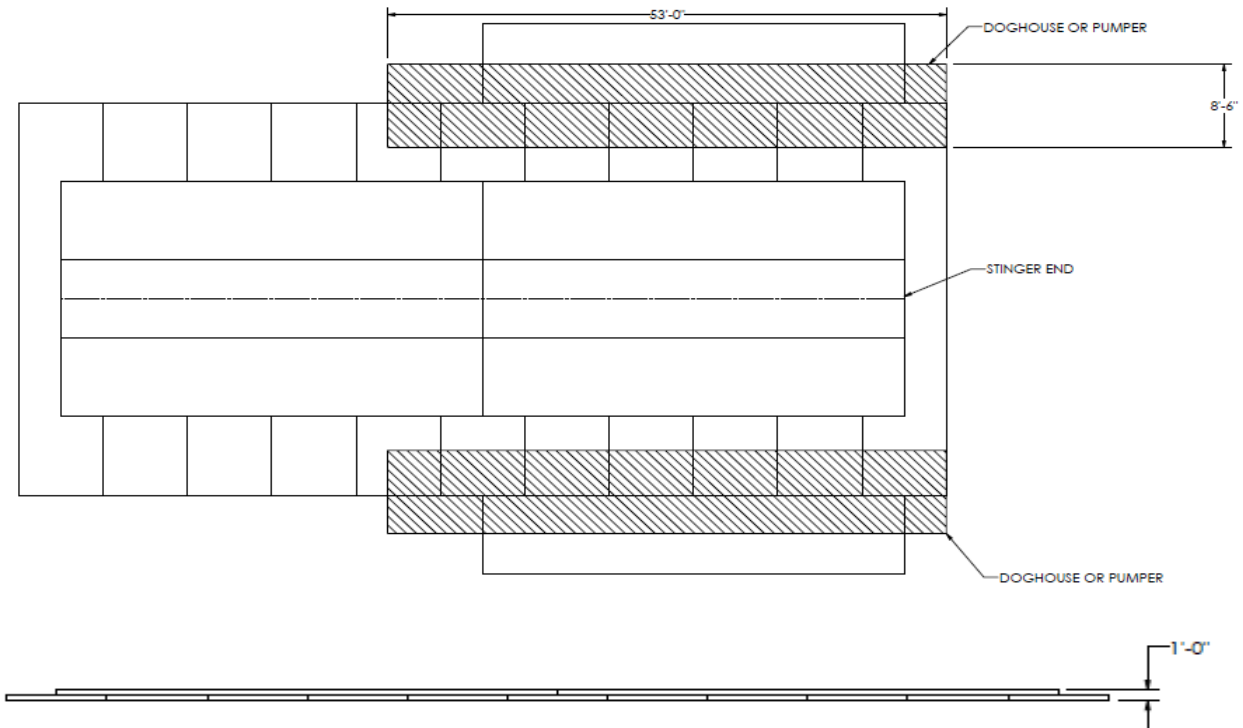
Dimensions

Description	Weight	Shipping Dimensions
Base Skid	75,000 lbs	11'-0"W x 8'-9"H x 68'-1"L
Bucket Elevator	32,000 lbs	9'-0"W x 8'-6"H x 67'-11"L
Stinger Conveyor	6,250 lbs	5'-0"W x 6'-0"H x 21'-0"L (*28'-6")
Shuttle Conveyor	25,000 lbs	7'-0"W x 8'-6"H x 51'-1"L
Bin	33,000 lbs	8'-4"W x 13'-4"H x 50'-7"L
Dog house		8'-6"W (**9') x 12'-0"H x 53'L
Height (erected)		73'-7" H

Notes:

- *Units with extended stinger
- **Units with Dual Generator are 9' wide

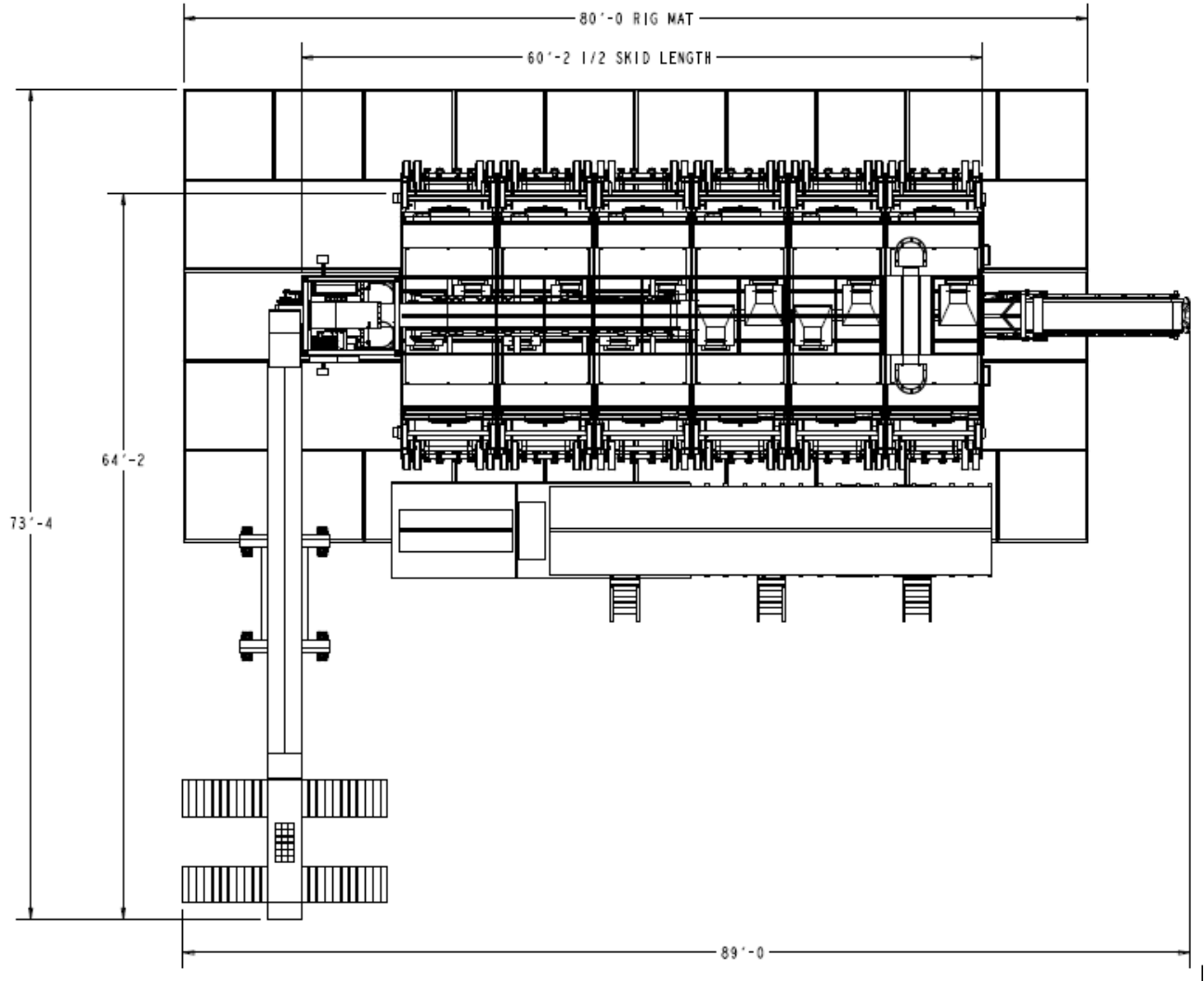
2 Matting Layout



3,750,000 lbs fully loaded
3,540 sq.ft. = 1,059 psf = 7.35 psi

11x6 MATTING LAYOUT

Configuration



Notes:

- Rig Matting updated to 11 on the base for a length of 88' (10 at 80' on the illustrated above).
- Drive over can pivot 180 degrees.
- US proposed version has extended Stinger, additional 7' in length.

Mobilization / Demobilization Requirements

Sahara Equipment Requirements Mob/Demob Description	Number of Activities or Units	Comments
Mobilization		
130 Ton Crane	1.00	Required to Set Shuttle Conveyor
45 Ton Crane (picker truck)	1.00	Used to Stabilize Bins During Mob
Bin Movement, Mat Placement		
Tandem Tractor	13.00	12 Trips for Bins, 1 Trip for Gen Set / Control Unit
Winch Tractor with Tridem roll-off	3.00	Rig Mats (3 loads)
Tractor with Highboy or scissor neck	2.00	Drive Over System, Ramps, & Shuttle
Winch Tractor & wheeler with roll-off	1.00	Base Skid
Tractor with Trombone	1.00	Bucket Elevator
Rig Mats		
8' x 40'	17.00	11 Mats for Bottom Layer, 6 Mats for Top Layer
Demobilization		
130 Ton Crane	1.00	Required to Remove Shuttle Conveyor
45 Ton Crane (picker truck)	1.00	Used to Stabilize Bins During Demob
Bin Removal, Mat Removal		
Tandem Tractor	13.00	12 Trips for Bins, 1 Trip for Gen Set / Control Unit
Winch Tractor with Tridem roll-off	3.00	Rig Mats (3 loads)
Tractor with Highboy or scissor neck	2.00	Drive Over System, Ramps, & Shuttle
Winch Tractor & wheeler with roll-off	1.00	Base Skid
Tractor with Trombone	1.00	Bucket Elevator

Notes:

1. Estimate for illustrative purposes only. Many factors, including availability, weather, mechanical and operational issues may impact actual
2. Activities are either crane movements or trucking trips. Units in the case of Rig Mats.
3. Additional tractor and highboy may be required for backup drive-over and accessories.