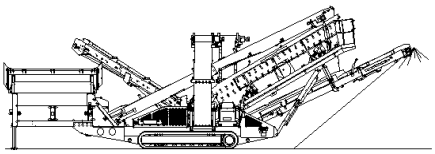
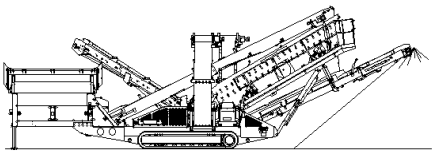


SPECIFICATIONS

McCloskey S190 3-Deck

All specifications are current as of this printing, but are subject to change



DESCRIPTION

Heavy duty mobile screener with following features:

- 20x5 heavy duty high energy 2 bearing 3 deck screenbox.
- 130Hp Diesel engine.
- Track or wheel mobile.
- Integrated hydraulic folding stockpiling conveyors.
- 3 Deck auxiliary conveyor attaches to machine for one unit transport.
- Remote control tipping grid.
- Fast on site setup time – 15 minutes.

DIMENSIONS AND WEIGHTS

Length - transport 15ft hopper	18.45 (60' - 6")
Length - transport 12ft hopper (Please see last page)	17.54m (57' - 6")
Width – 500mm wide conveyor	3.06m (10')
Width – 650 wide conveyor	3.22m (10'7”)
Height - transport track	3.45m (11' - 4")
Height - transport wheel	3.73m (12' - 3")
Weight - track	38,780 Kgs (85,495 lbs)
Weight - wheel	35,000 Kgs (77,162 lbs)

CAPACITIES

Diesel tank capacity	399 L (105 gal)
Hydraulic tank capacity	630 L (166 Gals)
Capacity - 12ft hopper	8.01 m^3 (10.48 yd^3)
Capacity - 15ft hopper (Std)	10.01 m^3 (13.09 yd^3)

FEED CONVEYOR

Belt width	1200mm (48”)
Belt spec	Plain 500/3 6+3
Drive drum dia.	335mm (13.1")
Tail drum dia.	320mm (12.5")
Gearbox	Bonfig 805 W2
Motor	160cc motor
Flow rate	72.6 Lpm (19.2 US gpm)
Adjustable speed	YES
Maximum speed	18.75 rpm

MAIN CONVEYOR

Belt width	1050mm (42")
Belt spec	Chevron 400/3 6+1.5
Option	Plain belt
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	630 cc motor
Flow rate	101.2 Lpm (26.7 US gpm)
Adjustable speed	OPTION
Maximum speed	160 rpm

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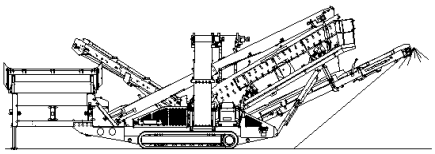

TAIL CONVEYOR

Stockpile height - track model	4638mm (15' - 3")
Stockpile height - wheel model	4905mm (16' - 1")
Belt width	1200mm (48")
Belt spec	Plain - 400/2 6+1.5
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	800 cc motor
Flow rate	101.2 Lpm (26.7 US gpm)
Maximum speed	126.5 rpm

SIDE CONVEYOR

Stockpile height - track model	5100mm (16' - 9")
Stockpile height - wheel model	5370mm (17' - 7")
Belt width	800mm (32")
Belt spec	Chevron - 400/3 6+1.5
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	400 cc motor
Flow rate	50.6 Lpm (13.4 US gpm)
Adjustable speed	YES
Maximum speed	126.5 rpm
Drum centers	10275mm (33’- 8")

3 DECK TRANSFER CONVEYOR

Belt width	650mm (26")
Belt spec	Plain 400/3 4+2
Drive drum dia.	200mm (8")
Tail drum dia.	200mm (8")
Motor	400 cc motor
Flow rate	50.6 Lpm (13.4 US gpm)
Adjustable speed	YES
Maximum speed	126.5 rpm

3 DECK AUXILLARY CONVEYOR

Stockpile height - track model	4700mm (15.5')
Belt width	650mm (26")
Option	500mm (20")
Belt spec	Chevron - 400/3 6+1.5
Drive drum dia.	293mm (11.5")
Tail drum dia. (spoked)	270mm (10.6")
Motor	400 cc motor
Flow rate	50.6 Lpm (13.4 US gpm)
Adjustable speed	YES
Maximum speed	126.5 rpm

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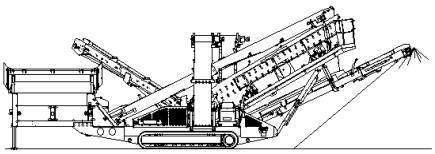

SCREENBOX

Dimensions - top deck	6100mm x 1524mm (20' x 5')
Dimensions - middle deck	6100mm x 1524mm (20' x 5')
Dimensions - bottom deck	5490mm x 1524mm (18' x 5')
Bearing type 3 Deck	Premium brand bearings
Screens - top deck	5' x 4' side tension - 5 off
Screens - middle deck	5' x 4' side tension - 5 off
Screens - bottom deck	5' x 6' end tension - 3 off
Tensioning - top deck	Quick release pin and wedge
Tensioning - middle deck	Quick release pin and wedge
Tensioning - bottom deck	Curved tension bar and adjuster
Screen angle	20 to 30 deg
Screen motor	85.7cc/rev
Drive system	Direct drive
Hydraulic flowrate	101.2 Lpm (26.7 US gpm)
Speed adjustable	YES - Pressure compensated FCV
Screen stroke adjustable	10mm maximum
Screen shaft speed	950 rpm
Screen 'g' force	4.29 - 5.05 g

POWERUNIT AND HYDRAULICS

Engine	CAT C4.4 (Tier 3, Tier 4F & Stage 5) Deutz 3.6 (Stage 5)
Engine power	130 HP
Engine speed	1800 rpm
Flywheel Pump 1	Cast iron 5056,5056,5041
LH PTO Pump 2	Cast iron 5029,5029,2SPA23
Total system flow	419 L (110.7 US Gpm)
Hydraulic tank capacity	630 L (166 US Gals)
Hydraulic tank ratio	1.51 : 1
Hydraulic Oil cooler	YES

ELECTRIC HYDRAULIC POWERUNIT/ DUAL POWER

2 Electric motors	37KW (50 Hp)
Frequency	50hz or 60hz
Voltage	3 phase 415V or customer specific
Control panel can be supplied upon request	

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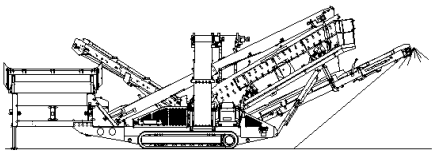

ELECTRICS

Emergency stops	6 off, 1 feeder, 2 powerunit RH&LH, 2 chassis front RH&LH, 1 Walkway
Chassis cabling	Armored cable
Start Siren	YES - 10 sec delay
Engine shutdowns:	Low oil pressure
	High water temp
	Air filter blockage (selectable)
	Fuel contamination
	Low hydraulic tank level
Engine room light	YES
Remote tipping grid	YES - 2 function timed
Radio control tracks	Standard
Pendant track control	Standard as backup

TRACKS

Width	500mm (19.7")
Length	3800mm (12' - 6") crs
Height	798mm (31.4")
Speed max	1.14 Kph (0.71 Mph)
Flow rate	101.2 Lpm (26.7 US gpm)
Attachment to chassis	Bolt On for quick change

WHEELS

Width	2900mm (9' - 6")
Axle centers	1360mm (4' - 6")
Wheels	235/75/R17.5 dual
Axles	3 off
Brakes	YES
Spring suspension	YES
Mudguards	YES
Handbrake	YES
ABS	YES

OPTIONS

Single or double deck live head
Single shaft Shredder
12ft Hopper
Crusher chute (available with 15ft hopper only)
Auxiliary hydraulic circuit
Dual diesel/electric power

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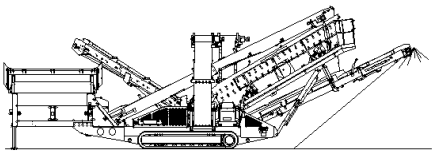

SAFETY FEATURES

External belt alignment points
External grease points
Engine safety shutdown systems
Full safety guarding for nip points

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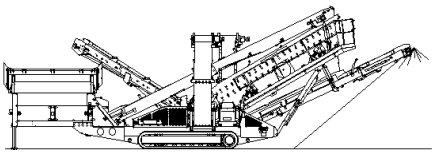

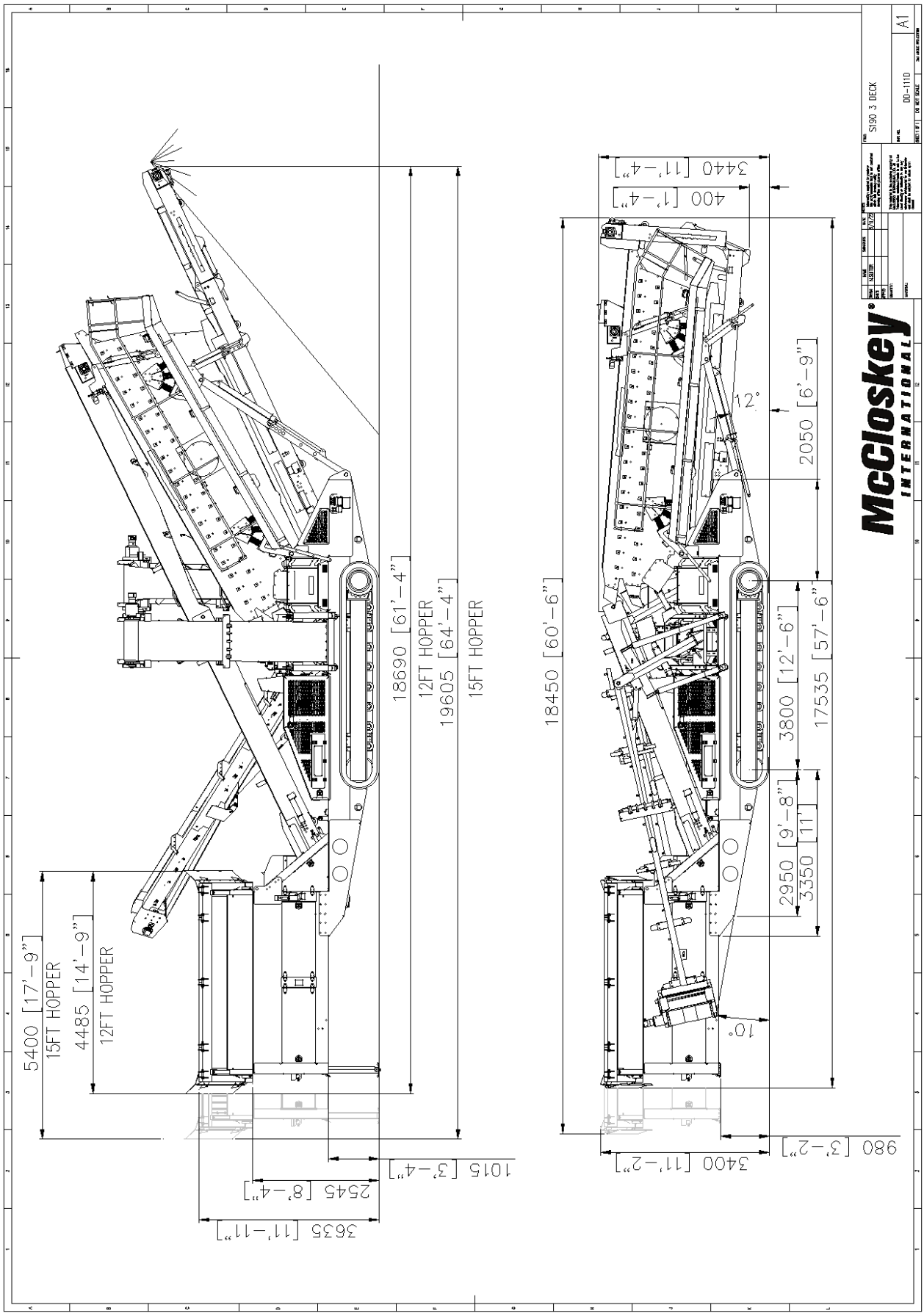

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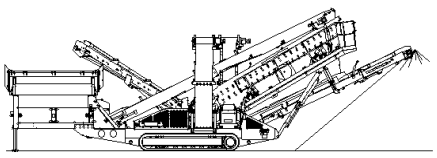

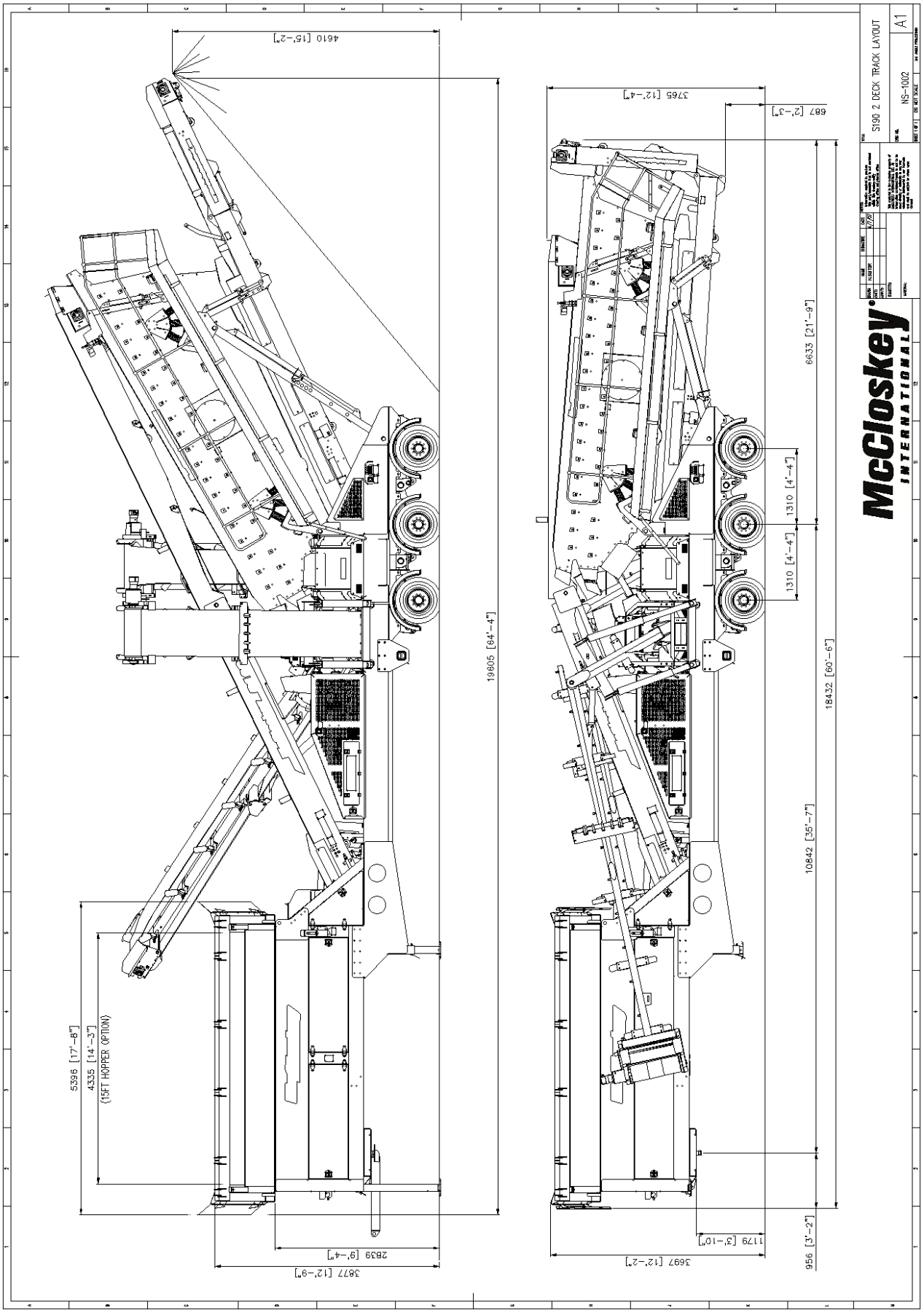

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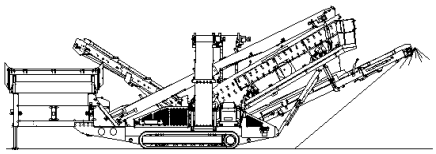

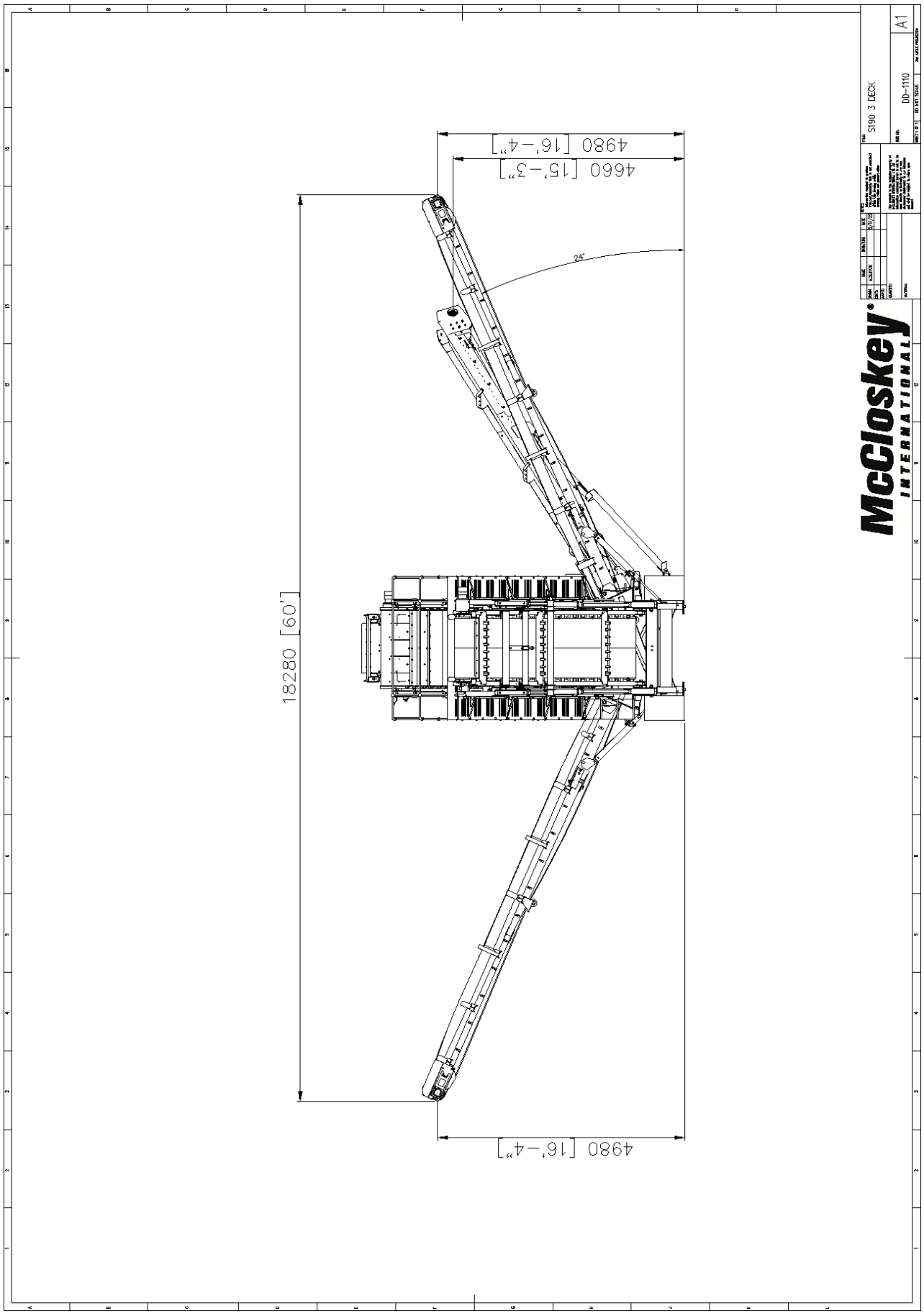

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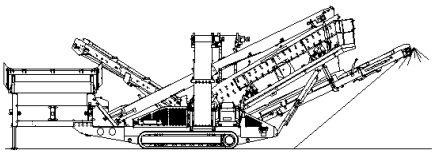

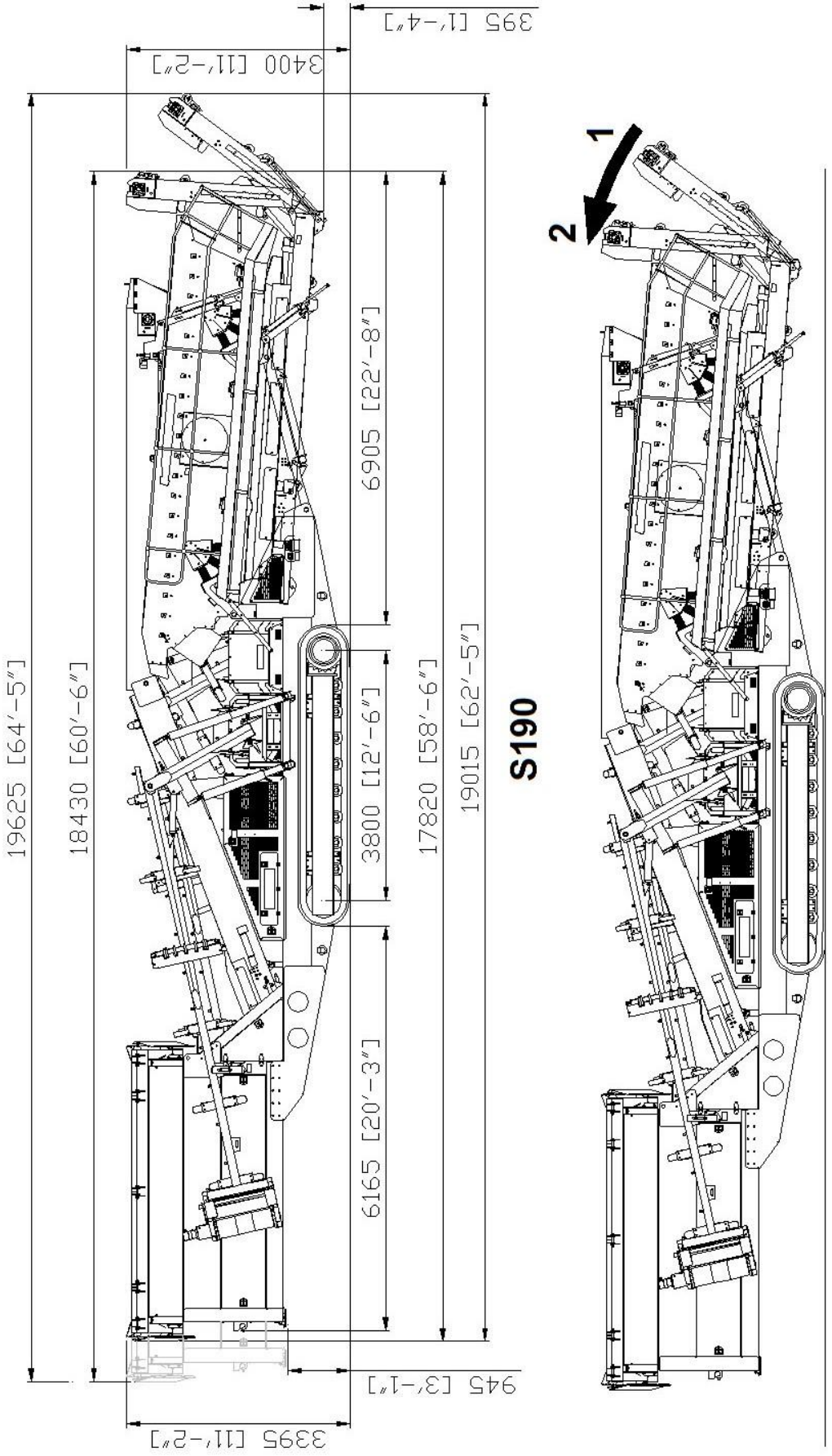

S190

POSITION 1 PREVENTS DAMAGE WHEN RAISING THE SCREENBOX

POSITION 2 IS THE MINIMUM LENGTH MACHINE CAN BE FOLDED TO

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