



TW 36-150

Radial Telescopic Conveyor



REDUCED COST



**SITE OPERATING
EFFICIENCY**



**ENVIRONMENTAL
CONSIDERATIONS**



**IMPROVE HEALTH
& SAFETY**



**PRODUCT
QUALITY**

OVERVIEW TW 36-150



ProStack's TW 36-150 Radial Telescopic Conveyor features a working length of 150' (46m) and is capable of 270° of radial movement. Through close collaboration between the customer and ProStack's engineering team, the TW 36-150 can be tailored to meet the specifications of multiple applications and has been specifically designed for the North American market. The TW 36-150 has a transport length of 89' 5" (27.26m), is road towable and can be deployed without the use of tools.

A stockpile height of over 48' 10" (14.9m) allows for a maximum stockpile capacity of approximately 102,696 yd³ (78,517 m³).

FEEDBOOT DEADBOX

Standard Capacity	1.1 m ³ (1.4 Cu. Yd.)
Feed In Width	1500mm (4' 10")
Extended Capacity	2.1m ³ (2.75 Cu. Yd.)
Extended Feed In Width	1820mm (5' 11")
Minimum Feed In Height	2450mm (8' 1")
Extended Minimum Feed In Height	2950mm (9'8")

CONVEYORS

Inner Conveyor	
Width	900mm (36")
Belt Centres	24.25m (79' 6")
Belt Type (Plain/Chevron)	Plain
Belt Spec	220 PIW 2-PLY 3/16" X 1/16"
Drive Drum Diameter	16" (427mm)
Tail Drum Diameter	14" (356mm)
Max Belt Speed of Conveyor	2.6 m/min
Motor Size & type	2 x 11KW
Outer Conveyor	
Width	900mm (36")
Belt Centres	26.55m (87' 1 ")
Belt Type (Plain/Chevron)	Plain
Belt Spec	220 PIW 2-PLY 3/16" X 1/16"
Drive Drum Diameter	16" (427mm)
Tail Drum Diameter	14" (356mm)
Max Belt Speed of Conveyor	2.1 m/sec
Motor Size & type	1 x 30KW
Operating Angle	7-18°

WEIGHT

Total Weight (STD) (kg)	29,500kg (64,310lbs)
Axle Weight (Transport)	19,760kg (43560 lbs)
Kingpin Weight	9,410 kg (20,745 lbs)
Maximum Tonnage	1000 TPH
Maximum Feed Size	100mm (4") based on 30 degree surcharge

OPTIONS

Upgrade to 1000TPH
Pull Cord Emergency Stop
Feedboot Liners: 6mm Mild Steel
Feedboot Liners: 6mm Wear Plate (AR400)
Feedboot Liners: 12mm Wear Plate (AR400)
Feedboot Liners: 20mm rubber
Conveyor Fitted With Chevron Belt EP315/3 Ply x 3+1.5 Covers
Conveyor Fitted With Heavy Duty Plain Belt EP500/4 Ply x 8+2 Covers
Working Lights
Belt Weigher
Radio Remote
Low level Grease points for Inner Conveyor and Outer conveyor
Self Aligning Rollers

GENERAL

Road Transportable - Machine fully Assembled in USA
Emergency Stops x5
Twin Radial Wheel Drive
Underguard Length Of Outer Section
Outer Conveyor side guards
Lorry mount Kit - CW 5.5HP deployment engine, Hydraulic jacking legs, Hyd kingpin swivel
Hydraulic Raise /lower Radial powered by 11kw Electric motor.
Conveyor head drum bearing automatic greasing cartridge
Hydraulic Winch for telescopic action
Hydraulic Tank Capacity 265 L

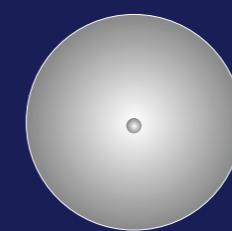
STOCKPILE CAPACITIES

Discharge Height @ 18° Conical Stockpile Full extension	
0° radial	7,065 m ³ (9,241 yd ³)
30° radial	15,004 m ³ (19,624 yd ³)
60° radial	22,943 m ³ (30,008 yd ³)
90° radial	30,882 m ³ (40,392 yd ³)
120° radial	38,821 m ³ (50,776 yd ³)
1500 radial	46,760 m ³ (61,160 yd ³)
1800 radial	54,700 m ³ (71,545 yd ³)
2700 radial	78,517 m ³ (102,696 yd ³)
Variable Speed (Y/N)	Yes (via Pulley Change)

STOCKPILE CONFIGURATIONS

The Terex automated telescopic action can create 30% more stockpile capacity than fixed length radial conveyor.

With standard conveyor producing a manual conical stockpile, 6 other automated patterns creating stockpiles as shown in below image.



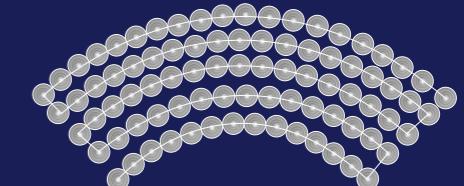
Standard Conveyor



Standard Radial



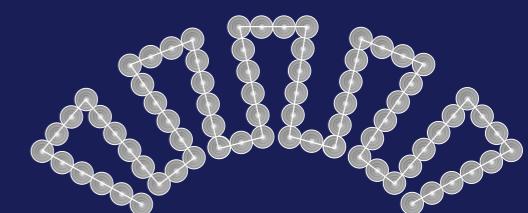
Inline Windrow



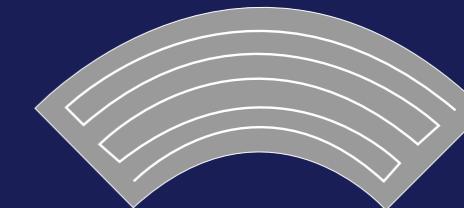
Radial Conical



Radial Windrow

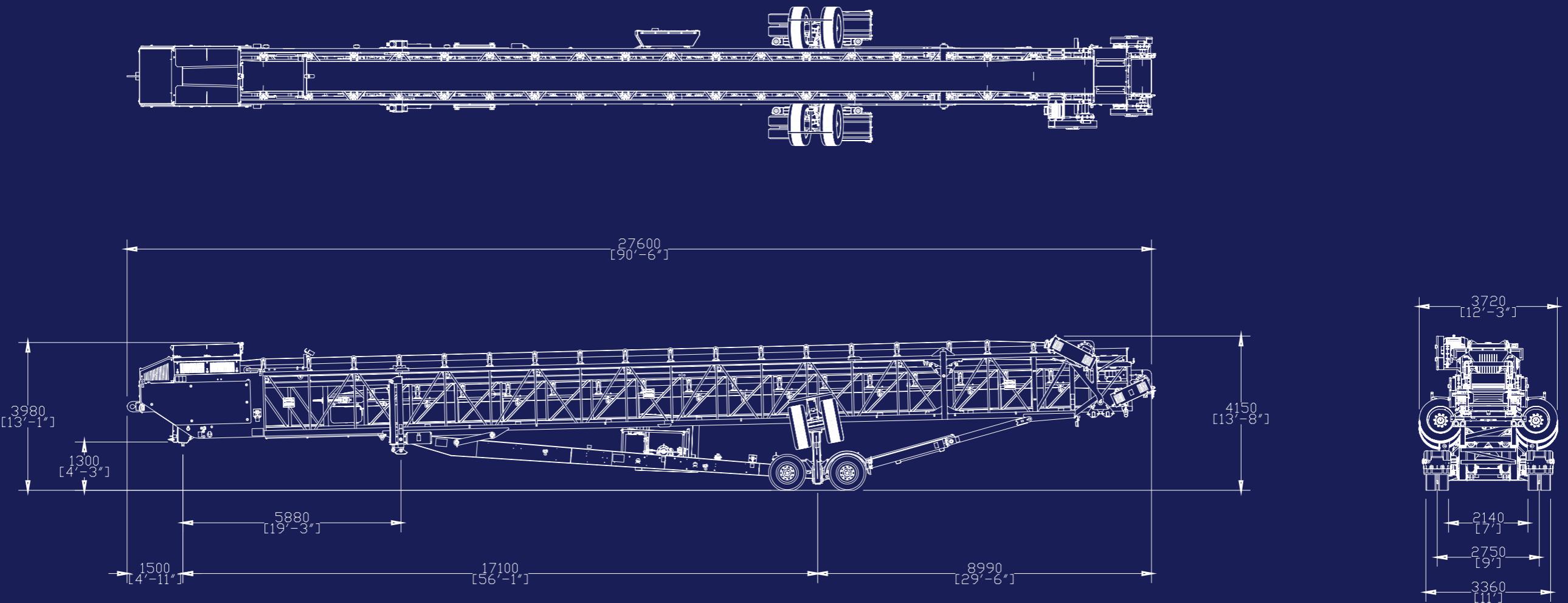


Inline Conical



Radial Windrow Flat Top

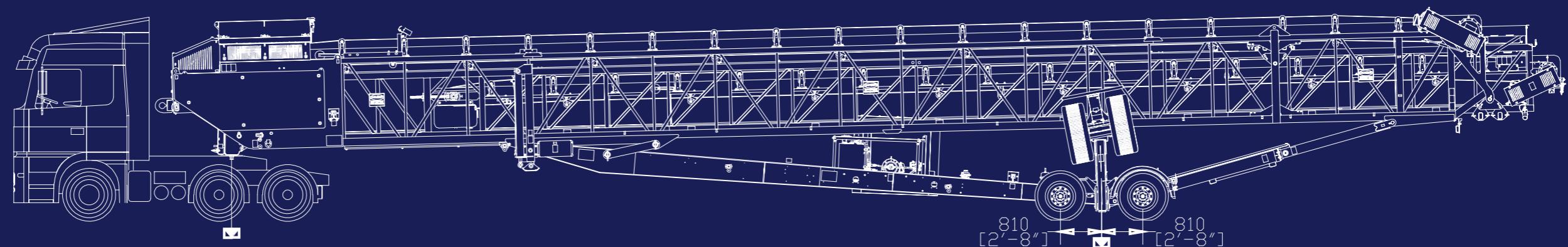
DIMENSIONS TW 36-150



TRANSPORT

DIMENSIONS TW 36-150

TRANSPORT

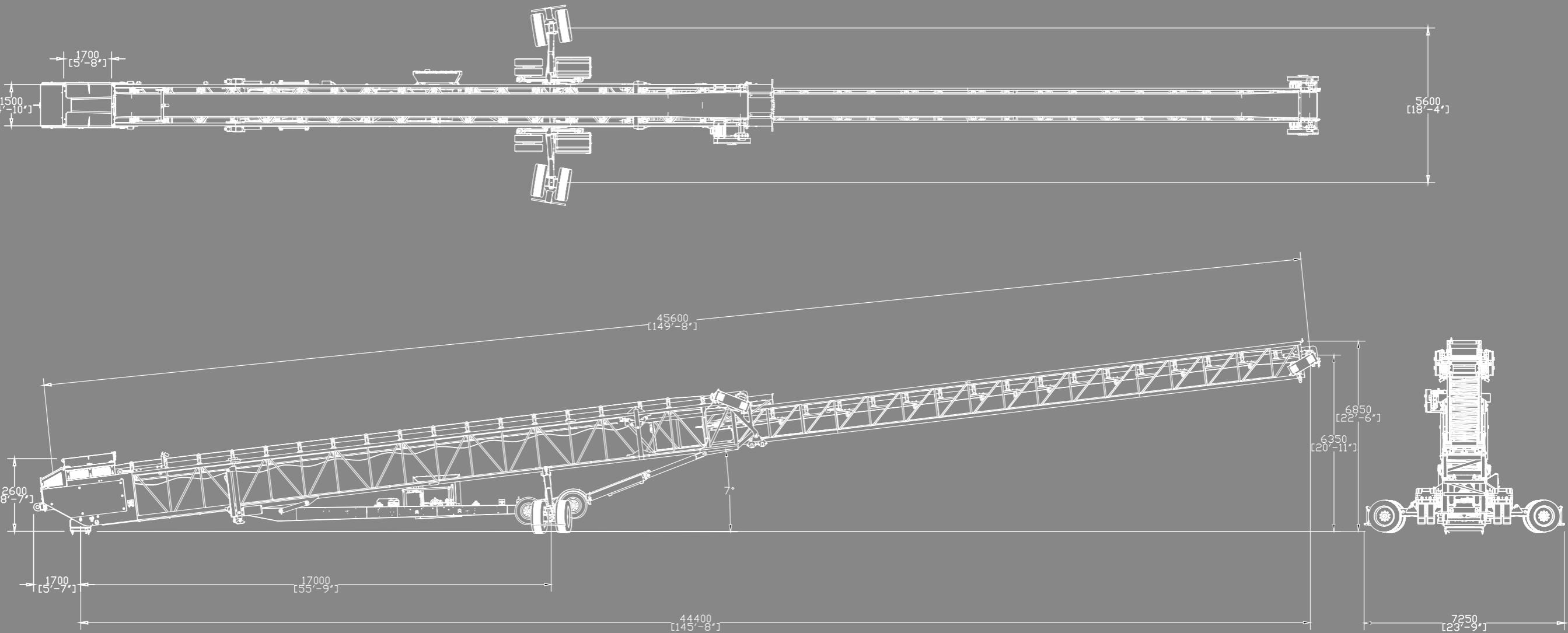


9410KG / 20745LBS
ACTING AT FIFTH
WHEEL

19760KG / 43560LBS
ACTING AT TRANSPORT
WHEELS

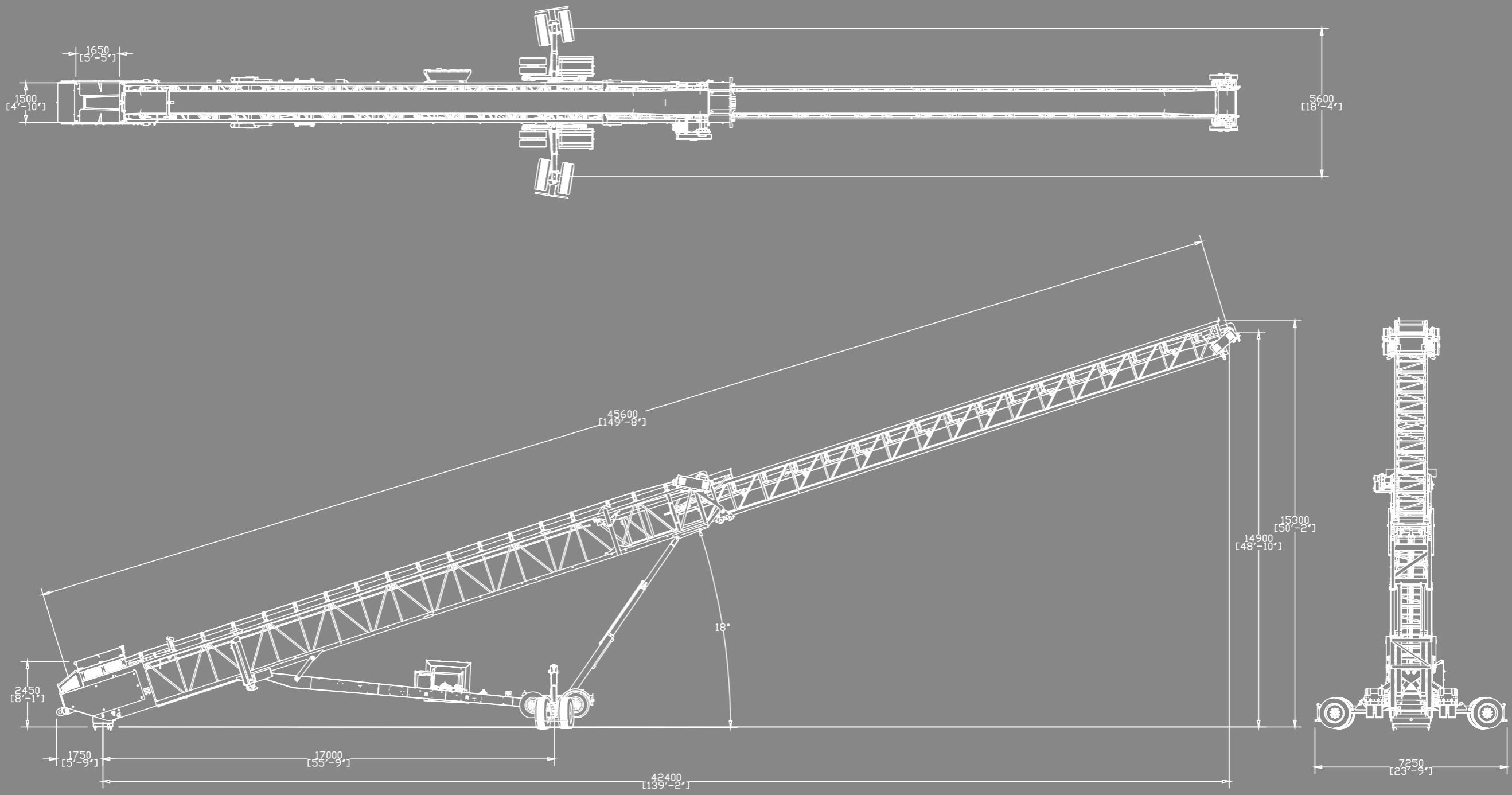
9880KG / 21780 LBS
PER AXLE

DIMENSIONS TW 36-150



WORKING
MINIMUM HEIGHT

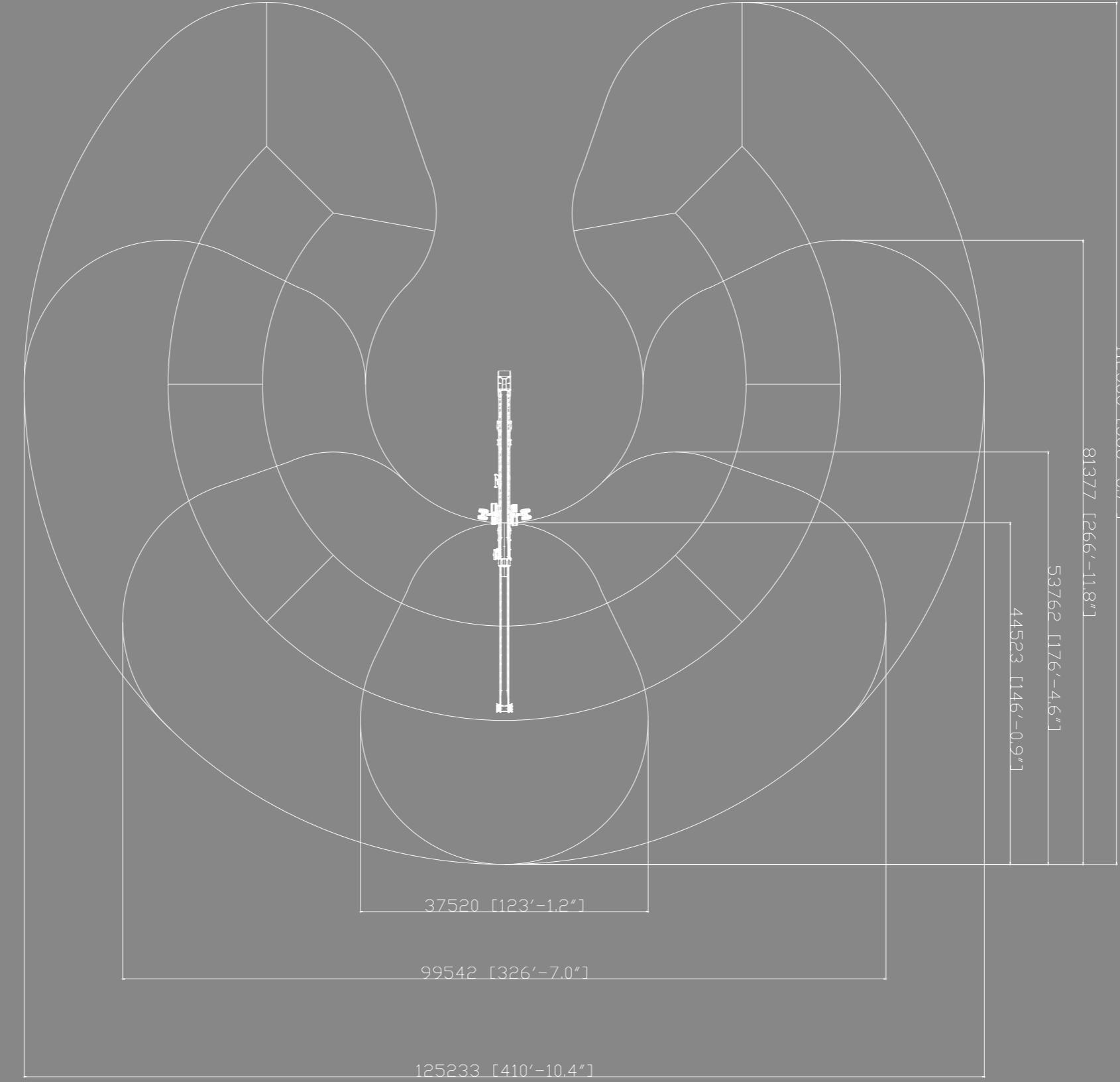
DIMENSIONS TW 36-150



WORKING
MAXIMUM HEIGHT

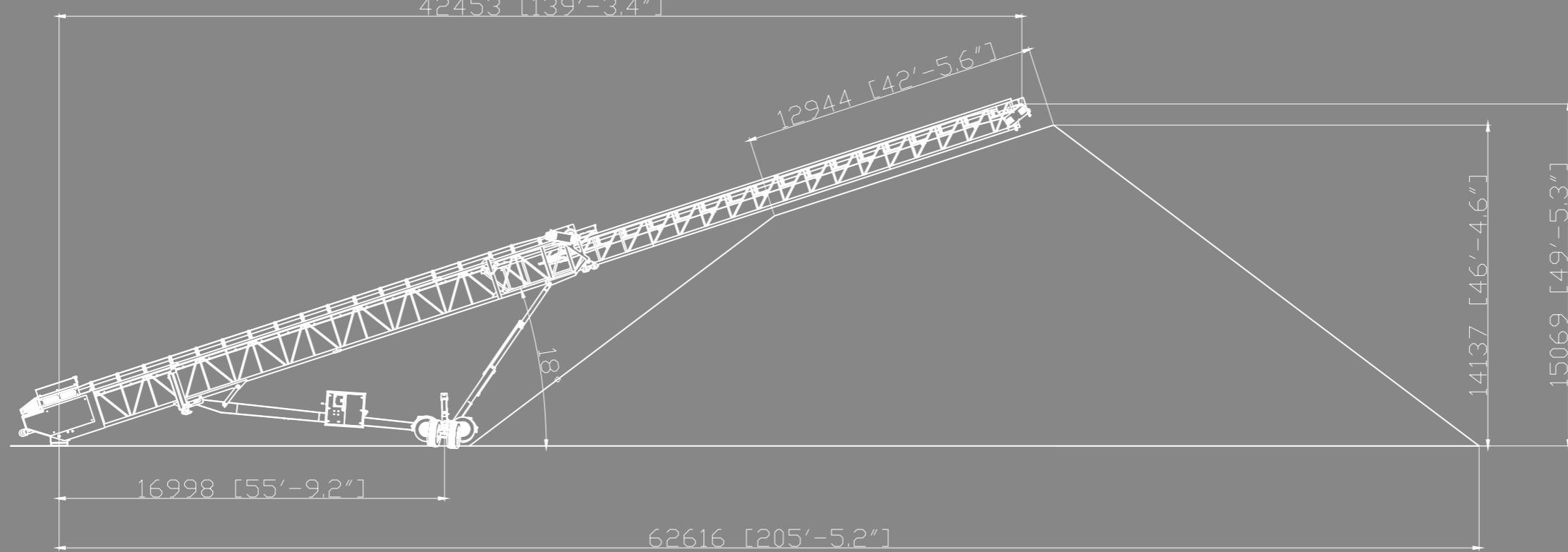
DIMENSIONS TW 36-150

WORKING



DIMENSIONS TW 36-150

WORKING
STOCKPILE



RADIAL DEG	VOLUME (m ³)	VOLUME (yds ³)	MASS (Tonnes)	MASS (Ton)
0	7065	9241	11304	12434
90	30882	40392	49411	54352
180	54700	71545	87520	96272
270	78517	102696	125627	138190

