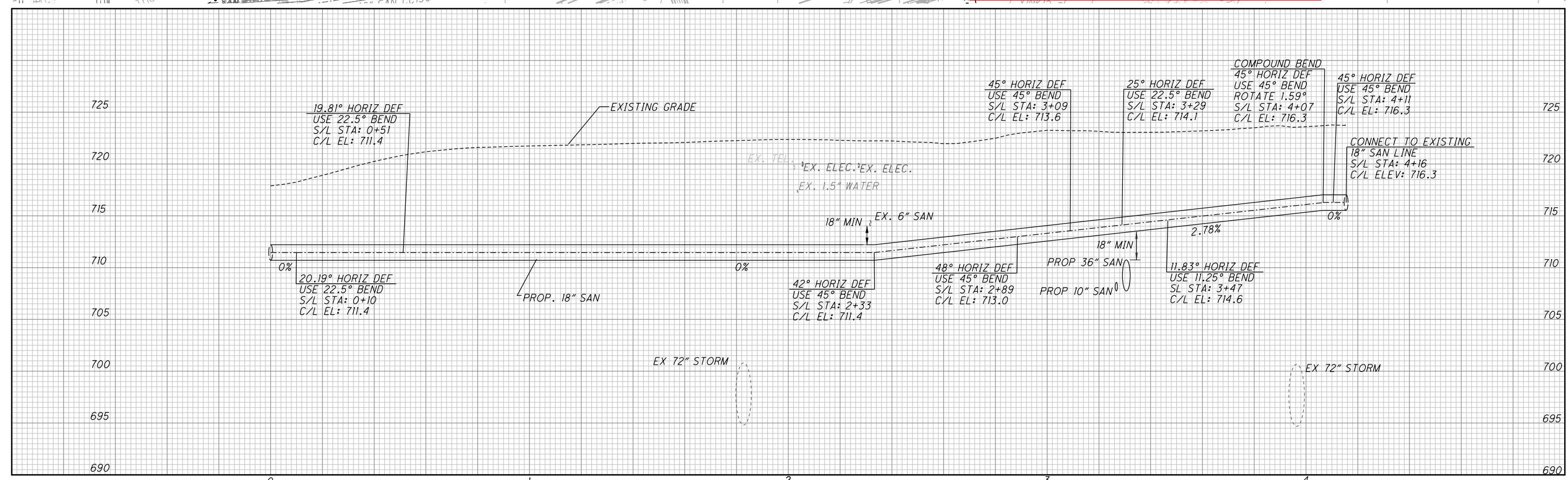
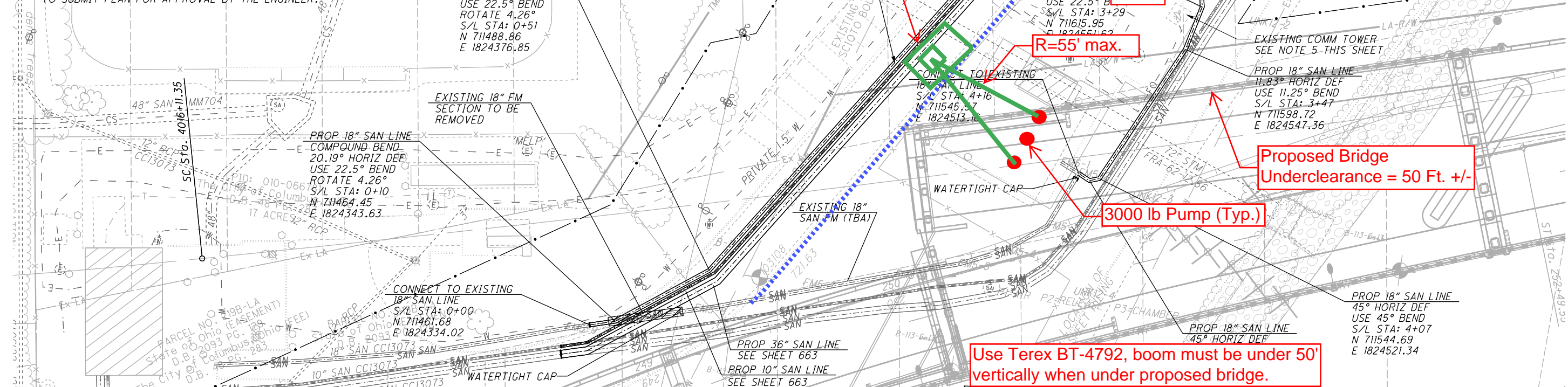




- NOTES:
1. ALL FENCING IS TO BE TEMPORARILY REMOVED AND REPLACED AS NEEDED.
 2. FOR CONNECTION TO EXISTING 18-INCH PUMP STATION PIPE, SEE DETAIL SHEET 676
 3. FOR FORCE MAIN TRENCH DETAIL SEE SHEET 674
 4. FOR CONSTRUCTION SEQUENCING ON 18-INCH FORCE MAIN SEE SHEET 679
 5. CONTRACTOR TO PROVIDE SUPPORT FOR EXISTING COMM. TOWER DURING EXCAVATION WITHIN 20-FEET OF THE TOWER. CONTRACTOR TO SUBMIT PLAN FOR APPROVAL BY THE ENGINEER.



Boom Trucks & Trailers from 8 to 80 USt

The best names in boom trucks are represented in the ALL rental fleet, and are supported by ALT Sales Corp., our boom truck division.

Looking to BUY? Even if it's a model not found in our rental fleet, ALT can get it for you. We are a dealer for all models of new and used Manitex, National, Tadano, and Terex boom trucks. Visit altsales.com to learn how to "Build-A-Boom" that suits your needs and applications.

Core markets for boom truck use include construction, utilities and forestry, roofing, lighting and sign maintenance, exterior painting, and delivery of bricks, drywall, sand/gravel, and concrete precast.

The ALL Advantage

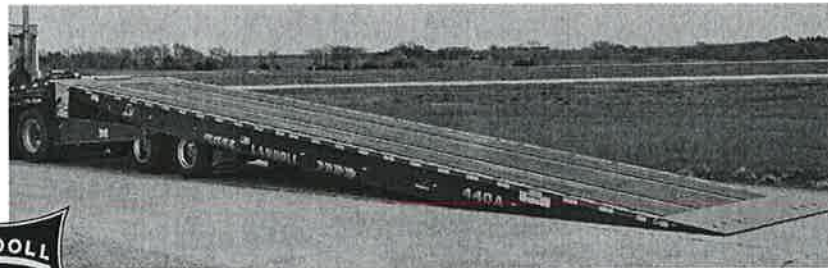
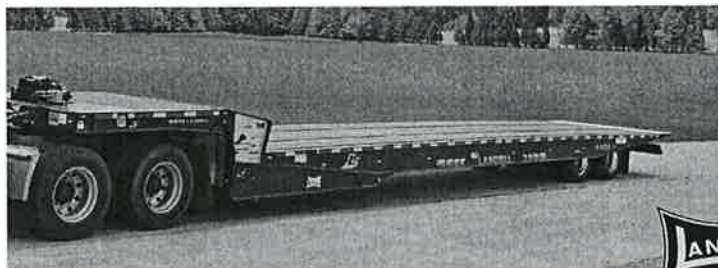
Our skilled technicians assemble and service hundreds of boom trucks per year, with fast turn around meaning less downtime for customers. We will even provide maintenance and parts for boom trucks in YOUR fleet.

KNUCKLES			
Manufacturer	Model	Boom	Swing BT
Fassi	F20 - F1500	N/A	Stand Up
Rotobec	80 and 60s	27'	Log loaders

Manufacturer	Model	Tonnage	Boom	Jib	Max. Tip Ht.	Swing BT
National	NBT55	55	128'	26' - 45'	179'	Rider Seat
Manitex	TC50128 S	50	38'5" - 128'	32' - 49'	137' - 185'	Rider Seat
National	NBT45	45	161'	31' - 55'	206'	Rider Seat
Terex	Crossover 4500L	45	129'	32' - 49'	183'	Rider Seat
Manitex	40124 S	40	31' - 124'	31' - 55'	132' - 190'	Rider Seat
National	NBT40	40	142'	31' - 55'	190'	Rider Seat
Terex	BT 70100	35	100'	30.5' - 55'	163'	Stand Up
Terex	RS 70100	35	100'	30.5' - 55'	163'	Rider Seat
National	1400A	33	127'	30' - 54'	172'	Rider Seat
Manitex	30112 S	30	33' - 112'	26' - 46'	122' - 168'	Rider Seat
Manitex	30100 C	30	30' - 100'	26' - 46'	112' - 157'	Stand Up
National	NBT30H	30	110'	25' - 44'	119'	Stand Up
National	1300A	30	110'	25' - 44'	163'	Rider Seat
Manitex	2892 C	28	28' - 92'	26' - 46'	103' - 149'	Stand Up
Terex	BT 28106	28	106'	30' - 47'	162'	Stand Up
Manitex	26101 C	26	30' - 101'	29'	112' - 142'	Stand Up
National	900A	26	103'	25' - 44'	155'	Stand Up
Terex	BT 4792	23.5	92'	26' - 44'	144'	Stand Up
National	8100D	23	100'	25' - 44'	152'	Stand Up
Manitex	2277 C	22	30' - 77'	29' - 52'	88' - 140'	Stand Up
Manitex	2281 C/T	22	25' - 81'	24' - 41'	92' - 133'	Stand Up
National	500E2	18	71'	23' - 41'	121'	Stand Up
National	681C	17	81'	25' - 43'	99'	Stand Up
Manitex	SC62		18' - 47'	Jiblet	62'	Platform
Manitex	SC65		20' - 49'	Jiblet	65'	Platform
Manitex	SC75		23' - 59'	Jiblet	75'	Platform
Manitex	SC85		27' - 70'	Jiblet	85'	Platform
Manitex	SC97		24' - 81'	Jiblet	97'	Platform
Manitex	SC130		121'	Jiblet	130'	Platform

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manac



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20170314



BT 4792

23.5 US t Lifting Capacity

Boom Truck Cranes

Datasheet

Imperial

BT 4792



Features:

- ▶ 23.5 US t @ 5 ft capacity at rated distance from center of rotation
- ▶ 92 ft maximum boom length
- ▶ 26/44 ft optional jib
- ▶ 144 ft maximum sheave height with 44 ft jib
- ▶ Electronic rated capacity indicator
- ▶ Quick reeving boom head

WORKS FOR YOU.™

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Dimensions

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Mounting Specifications 5

Range Diagram 6

Load charts

Boom Load Chart 7

Jib, Retracted 7

Jib, Extended 7



















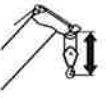








Technical description

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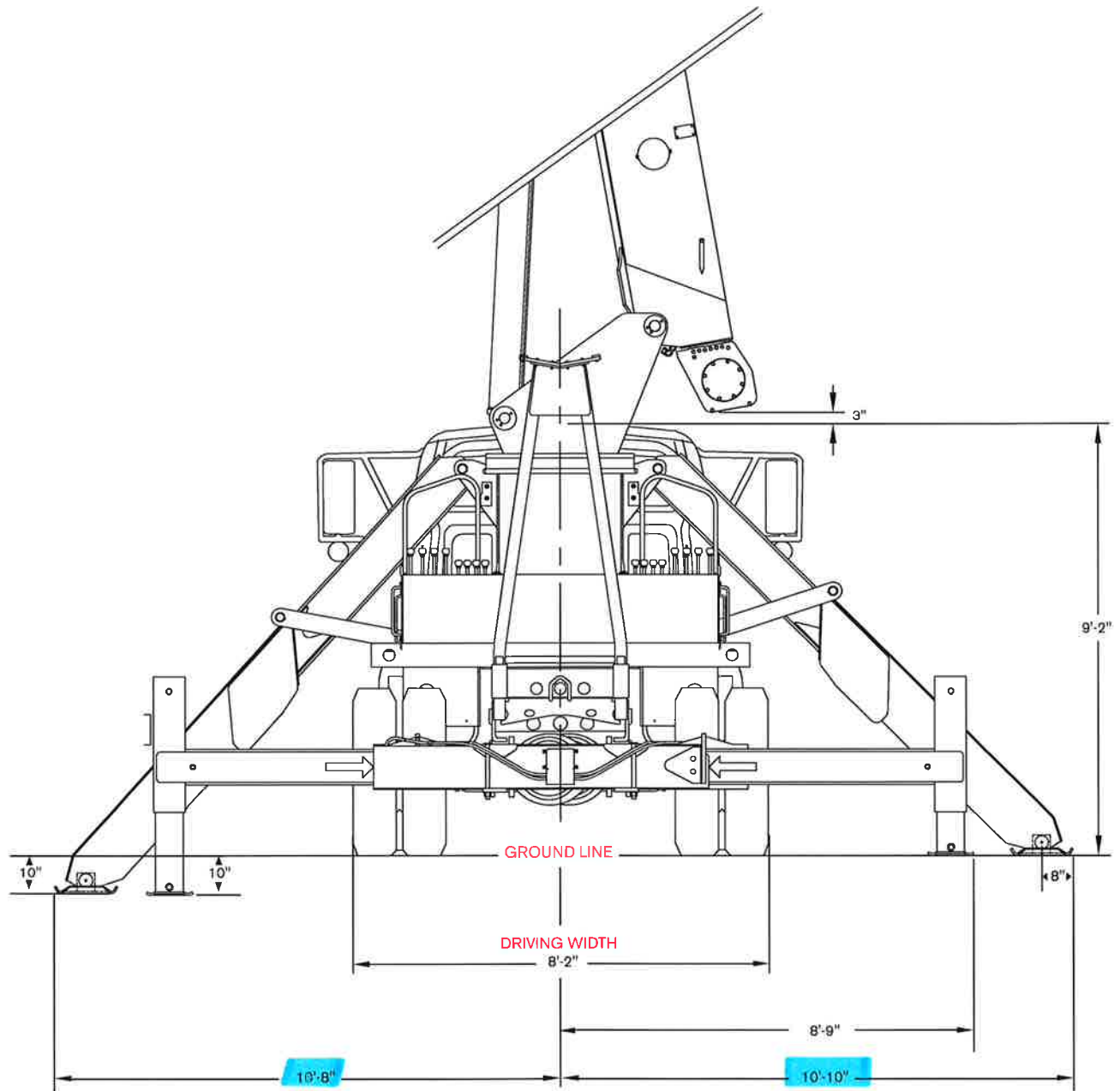
Optional Features 9

	Main boom		Main Hoist
	Boom length		Hoist line speed
	Tip height		Part line
	Telescoping mode		Operator aid
	Boom angle		Controls
	Working radius		Hydraulics
	Boom with jib		Working temperature
	Boom head		Outriggers
	Hook block		Working speeds
	Hook to head sheave pin		Rope – Standard / Optional
	Rotation / Allowable rotation range		Rope diameter
	Boom angle		Rope length
	Boom over the rear / BT 4792		Line pull
	Boom 360° / RM 4792		

DIMENSIONS

Crane Dimensions

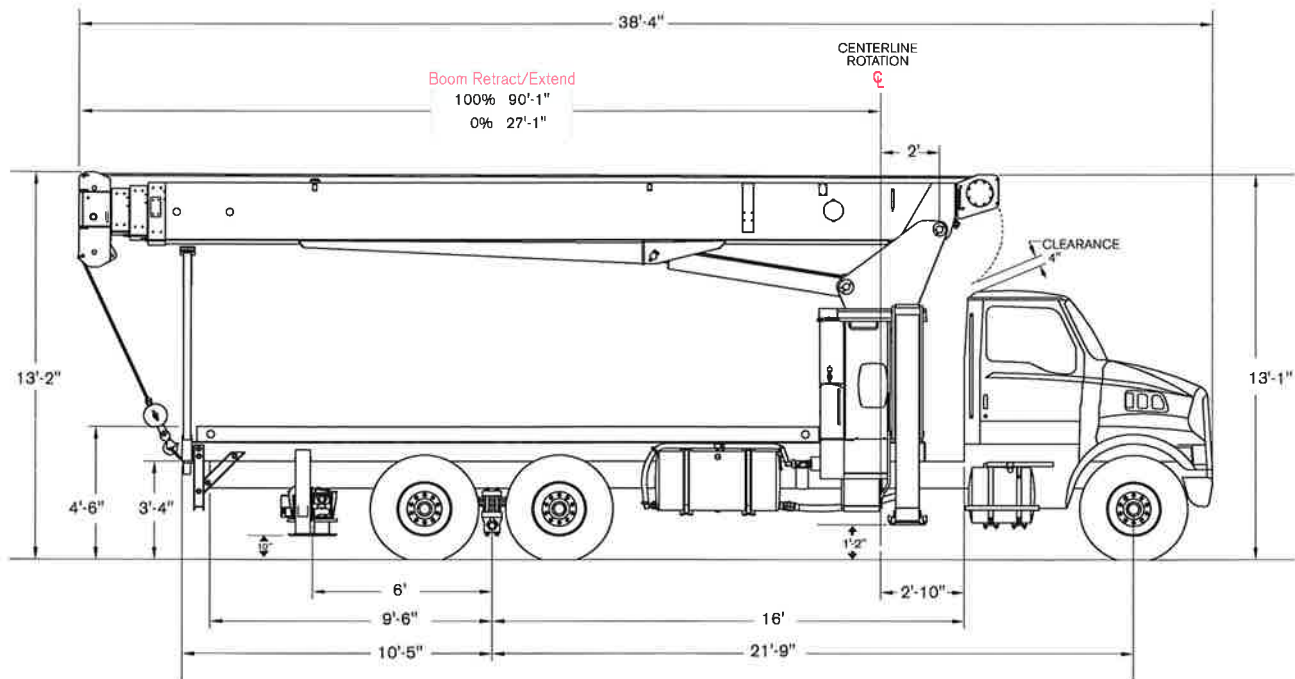
BT 4792



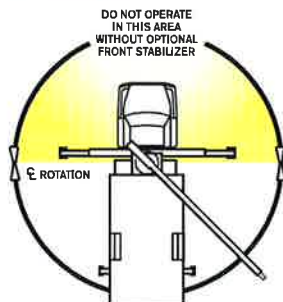
DIMENSIONS

BT 4792

Crane Dimensions



Area of Operation



Mounting Specifications

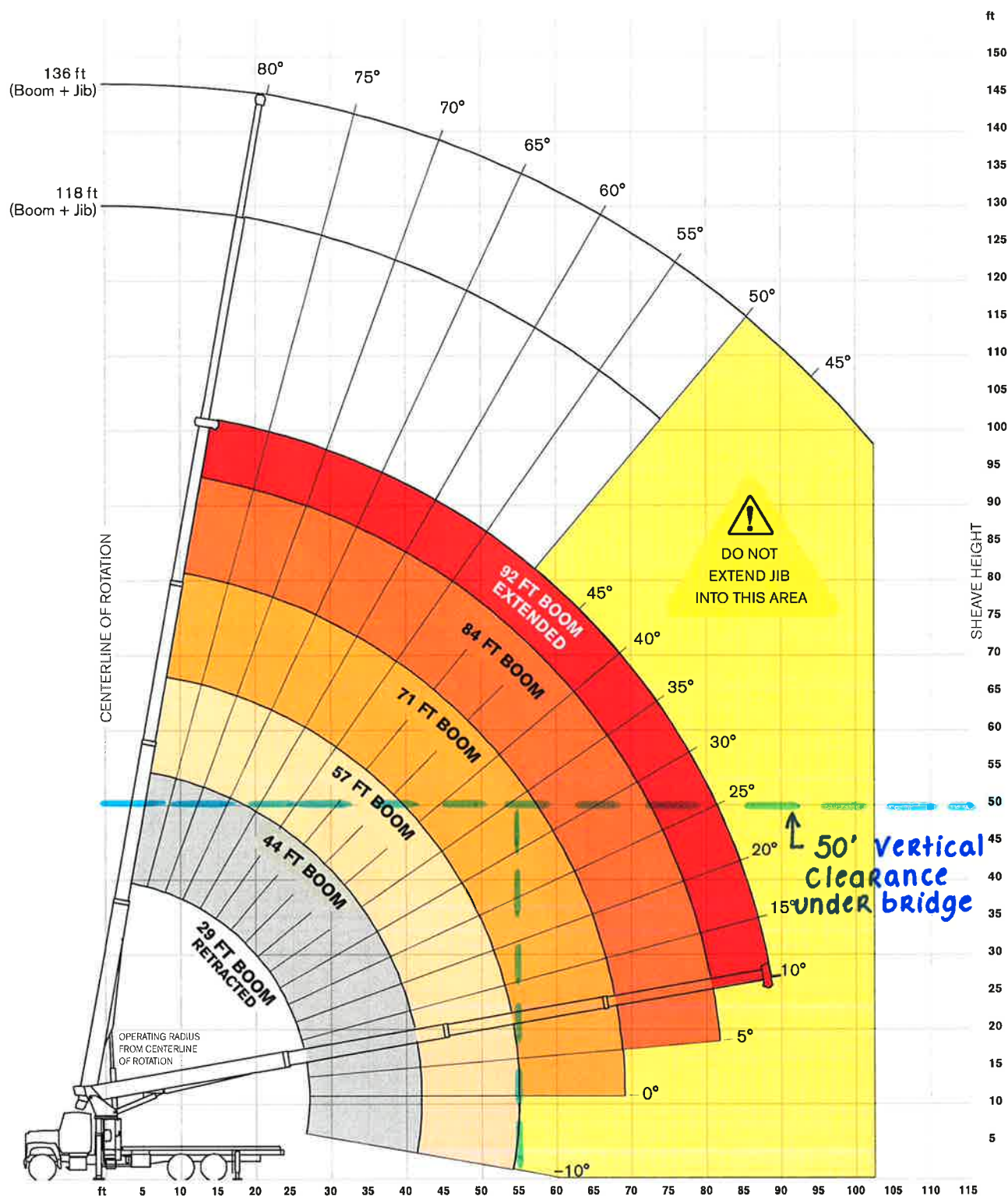
Chassis Recommendation

Gross Vehicle Weight Rating	60,000 lb
Front Axle Weight Rating	20,000 lb
Rear Axle Weight Rating	40,000 lb
Crane weight	21,780 lbs
Wheelbase	260 +/- 8 in
Cab to Axle	192 +/- 6 in
Afterframe	114 +/- 4 in
RBM per Frame Rail	2,800,000 lb/in
Frame Height (Unloaded)	40 in
Exhaust	Horizontal Left Side

RANGE DIAGRAM

BT 4792

Outriggers Fully Extended (100%)

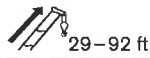


TEREX®

BOOM LOAD CHARTS

BT 4792

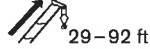
Outriggers Fully Extended (100%)



Standard ASME B30.5

	Boom Length						
	29	44	57	71	84	92	
ft	lb	lb	lb	lb	lb	lb	ft
5	47,000						5
8	36,800	20,300					8
10	30,900	20,300	18,400				10
12	26,100	20,300	17,400				12
14	21,900	19,400	16,800	14,600			14
16	18,800	17,300	15,900	13,800	12,300		16
20	14,200	13,900	13,400	12,300	10,900	9,825	20
25	10,400	10,900	10,600	10,400	9,800	9,025	25
30		8,625	8,625	8,425	8,225	7,425	30
35		6,925	6,925	6,925	6,725	6,325	35
40		5,225	5,825	5,625	5,625	5,425	40
45			4,625	4,825	4,625	4,625	45
50			3,725	3,725	3,725	3,725	50
55			1,225	3,025	3,025	3,025	55
60				2,425	2,425	2,425	60
65				2,025	2,025	2,025	65
70					1,525	1,525	70
75					1,225	1,225	75
80					825	825	80

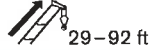
Boom at 0°





Standard ASME B30.5

	Boom Length						
	29	44	57	71	84	92	
°	lb	lb	lb	lb	lb	lb	°
0	7,500	4,000	1,225	1,100	650	550	0

With Jib, Retracted and Extended



Standard ASME B30.5

	Jib Capacities for All Boom Lengths								
	50°	55°	60°	65°	70°	75°	78°	80°	
ft	lb	lb	lb	lb	lb	lb	lb	lb	ft
26	725	1,025	1,525	2,325	3,225	4,325	4,925	5,325	26
44	425	725	1,125	1,525	2,025	2,525	2,825	3,125	44

Notes to lifting capacity

Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.

TECHNICAL DESCRIPTION

BT 4792

Boom, Jib and Rotation



Four-section full power fully synchronized telescopic keel boom



Boom length

92 ft



Boom maximum sheave height

101 ft



Boom elevation angle range (min/max)

-8° / 82°

Boom up/down time

41/30 seconds

Boom extension/retraction time

80/36 seconds



Boom head

Quick reeving



Maximum sheave height: With optional jib 26–44 ft

144 ft



180 degree non-continuous rotation or optional 360 degree continuous rotation

Operator Controls and Operator Aid



Hoist line pull (1st layer)

11,400 lb



Hoist line speed (3rd layer)

186 ft/min



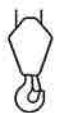
Rope diameter

9/16 in



Breaking strength

33,600 lb

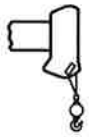


Overhaul ball
1 Sheave block

7 US t
17.5 US t

TECHNICAL DESCRIPTION

BT 4792



1 part line
2 part line
3 part line
4 part line

10,500 lb / 186 ft/min
21,000 lb / 93 ft / min
31,500 lb / 62 ft / min
34,000 lb / 45.5 ft/min



Fully proportional



Electronic rated capacity indicator

Understructure



Front: Link-type

To outer edge of pad

21 ft 9 in

Rear: "H" pattern, (out and down)

To outer edge of pad

17 ft 6 in

Optional Features

Two-stage jib

Rotation resistant rope

Multi-part load blocks

Main hoist with 2 speed motor

Heavy duty wood flatbeds

Extra heavy duty wood flatbeds

Extra heavy duty steel flatbeds

Radio remote controls

One-man or two-man baskets

Hoist drum tensioner

Continuous rotation

Oil cooler

Single front bumper outrigger

Hydraulic hose reel

Tool box

Lined area for notes.

Effective Date: February 2014. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries.

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