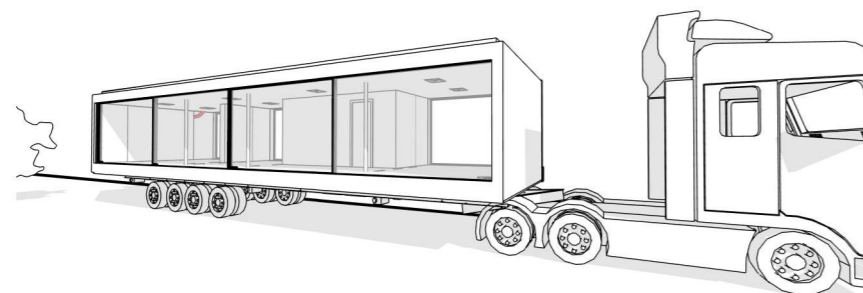


1 Mobile Super Structure

2 Step1 - Transporting Super Structure
1/8" = 1'-0"

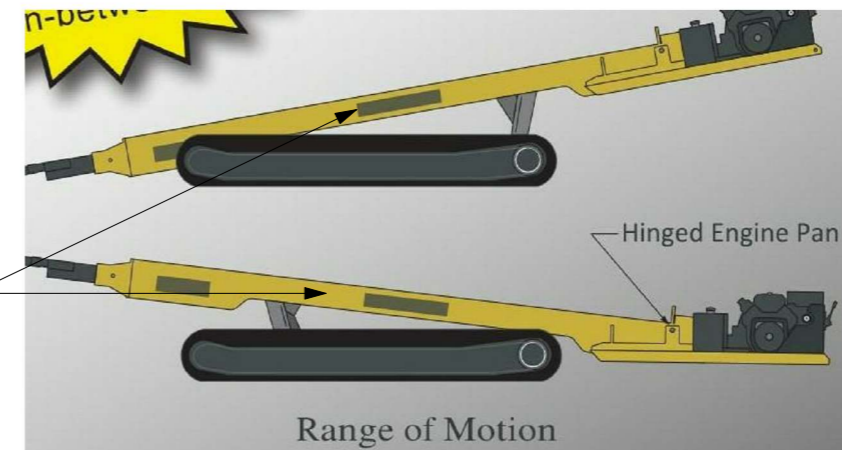


1a Mobile Suites



Step 2 - Tug

Remote control Tug



Step 2 - Tug with mobile leveling system

Remote control Tug for Extreme slopes leveling

- Spec's
- 01 53 00 A5 : Axle
 - 05 12 00: Super Structure Trailer Frame
 - 01 24 00: Hydraulic Piers
 - 01 50 01: Tug
 - 01 50 02: Tug w/Leveling System

Angel Landings

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Easily attached either super structure or a completed unit to a trailer trucks. Easily move it on rough terrain using house tug and platypus trailer building movers.

1000

2/1/2021

01 53 00 A5 : Axle



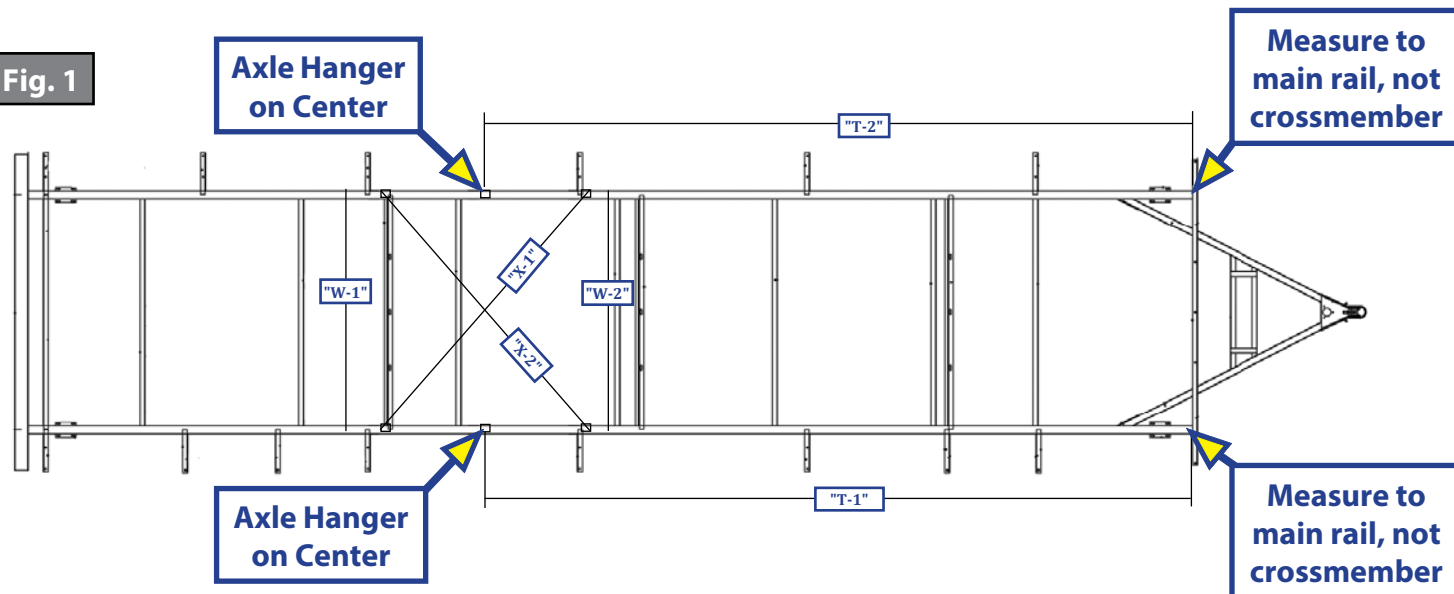
LIPPERT
COMPONENTS

AXLE HANGER MEASUREMENT PROCEDURE - DOUBLE AXLE

TI-058

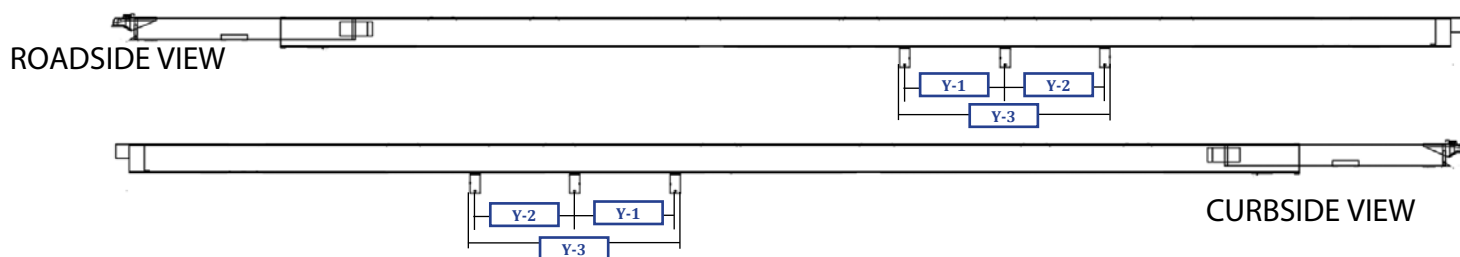
FRAMES AND CHASSIS

Fig. 1



	Measurement
T-1	
T-2	
W-1	
W-2	
X-1	
X-2	

Fig. 2



Curbside	Measurement
Y-1	
Y-2	
Y-3	

Roadside	Measurement
Y-1	
Y-2	
Y-3	

FRAMES AND CHASSIS

Fig. 3



Fig. 4



Fig. 5



1. Unit must be pulled into work space straight and evenly.
 2. When measuring axle hanger, measure where hanger meets I-beam (Fig. 3 and 4).
- NOTE:** Be sure to measure as high on the hanger as possible if other components interfere with measurement point on the hanger.
3. On measurements W-1 and W-2, (Fig. 1) be sure to measure top of hanger, in order to determine the spring center.
 4. When measuring X-1 and X-2, (Fig. 1) be sure to measure from the top of the hanger on both ends. If there is a discrepancy, measure bolt-to-bolt.

NOTE: It may be necessary to have another individual assist by holding the other end of the tape measure.

5. Measure T-1 and T-2 (Fig. 1) from center of axle hanger to intersection of main rail and front crossmember.
6. Measure Y-1 and Y-2 (Fig. 2) on center of bolt.
7. Measure Y-3 (Fig. 2) outside of front hanger to outside of rear hanger.

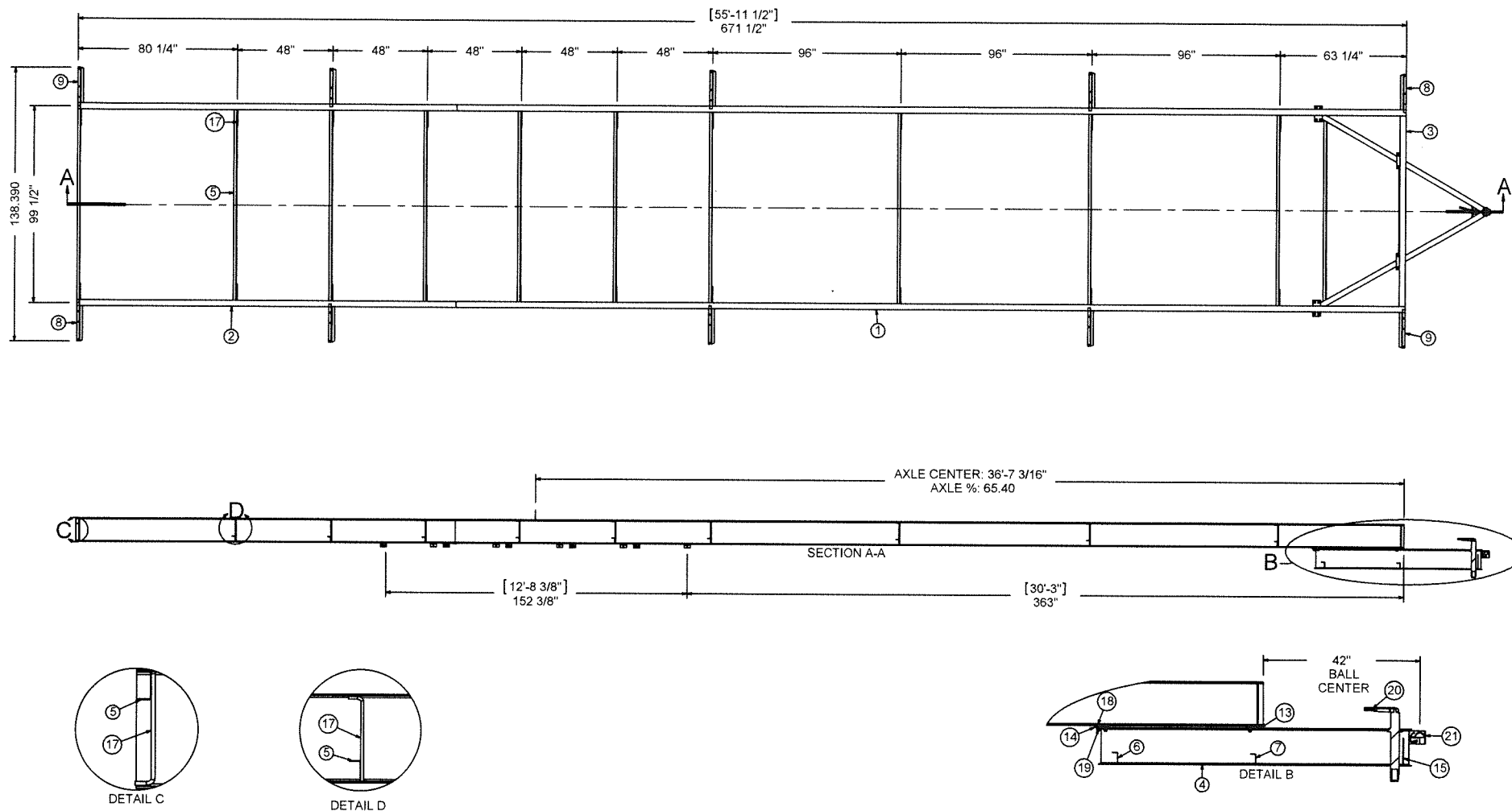
NOTE: Please accompany this document with clear pictures of all points of issue. Be sure tire wear pictures are shot straight on (Fig. 5).

05 12 00: Super Structure
Trailer Frame

NOTE: MOUNT ALL XM & OR TABS UNDER TOP I-BEAM FLANGE

[REDACTED]			
REGION 1	5614	6014	S5

BY	REV.	REVISION DESCRIPTION	DATE	APPRV
AW	A	DRAWN IN NEW STYLE	06/08/2018	



NOTES:
1. BLOW (3) HOLES IN THE TOP FLANGE OF FXM

SF-5614-6014-M12X10.8-S5-99.5-UDH-M10X8

ITEM #	PART #	DESCRIPTION	Name	GA	QTY.	ITEM #	PART #	DESCRIPTION	Name	GA	QTY.
1	1168961	IBEAM M12 X 10.8 L480 IN	IBEAM		2	12	104397	11 3/8"X4"	PLT	11	4
2	1168962970	IBEAM M12 X 10.8 L191.5 IN	IBEAM		2	13	104399	8" X 4"	PLT	1/4	4
3	1168961448	IBEAM M12 X 10.8 L96.375 IN	IBEAM		1	14	103471	8" X 4"	PLT	1/4	4
4	1168881442	IBEAM M10X8 L96 IN	IBEAM		2	15	102599	7 3/8" X 4"	PLT	12	1
5	116729	99.188 X 3" X 1 1/2" X 1 1/2"	XMC	13	10	16	102538	3"X2"	PLT	1/4	2
6	103006	92.938 X 3" X 1 1/2" X 1 1/2"	XMC	13	1	17	100651	ROD 15.00 X 2.00 X .38 BENT	ROD	3/8	20
7	143953	49 1/2" X 3" X 1 1/2" X 1 1/2"	XMC	13	1	18	118416	BOLT - 5/8 - 11 X 1.5; BLACK PHOS	FASTENER		12
8	102784	ORZ 9 1/4" X 1 1/2" X 1 1/2" X .090 X L19 3/8"	ORZ	13	5	19	119092	NUT - 5/8 - 11; NYLON LOCK NUT	FASTENER		12
9	102785	19 3/8" X 9 1/4" X 1 1/2" X 1 1/2"	RHORZ	13	5	20	196127	JACK; TOP MNT 60° 11000#-12500#	JACK		1
10	106181	XMC 3.00 X 2.54 X 1.86 X 1.86	XMC	4	10	21	196130	COUPLER; 2 5/16" 60° 44000#-55000#	COUPLER		1
11	104282	XMC 3.00 X 2.32 X 2.00 X 2.00	XMC	4	10						

OVERHANG	FLOOR JOIST
1/4"	16" O.C.

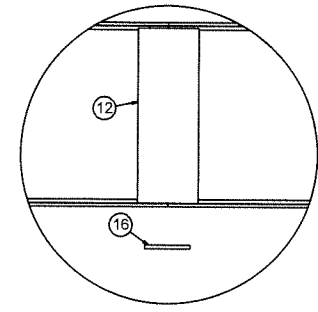
LIPPERT COMPONENTS, INC.
2703 College Avenue
Goshen, Indiana 46528
(574)825-3744 Phone
(574)825-3539 Fax



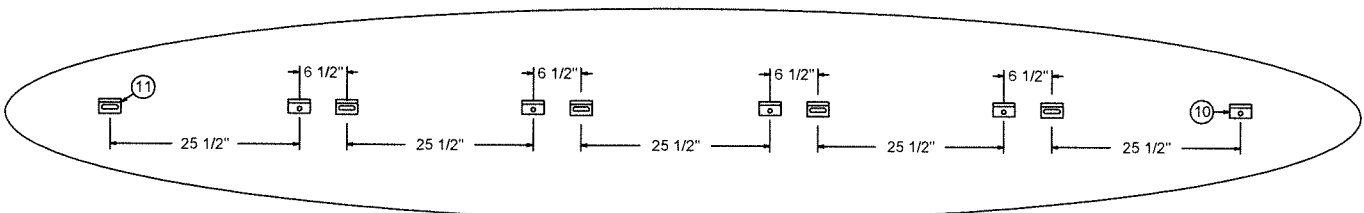
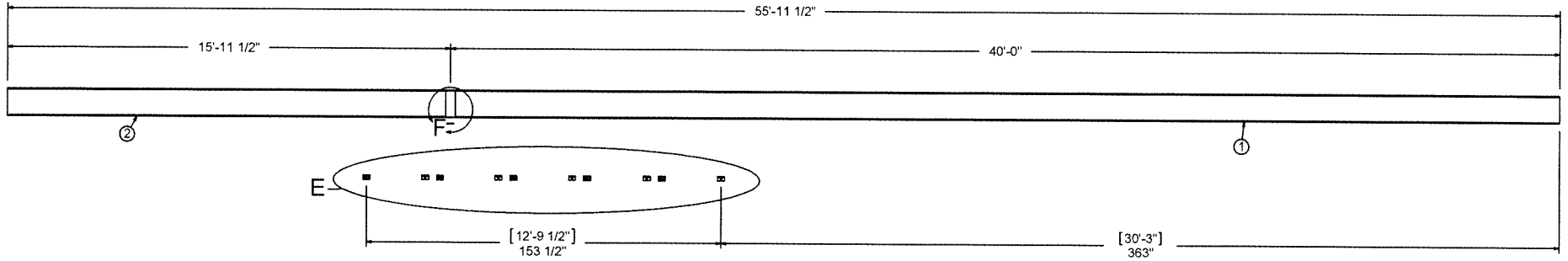
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DRAWN BY A.WILEY	REV. A DATE: 7/19/2007 PAGE: 1 OF 3

NOTE: STRIP LINE MEASUREMENTS ONLY

[REDACTED]			
REGION 1	5614	6014	S5



DETAIL F



DETAIL E

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 2703 College Avenue
 Goshen, Indiana 46528
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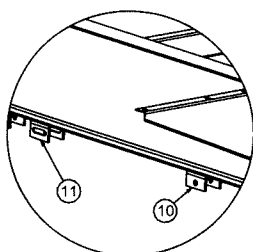
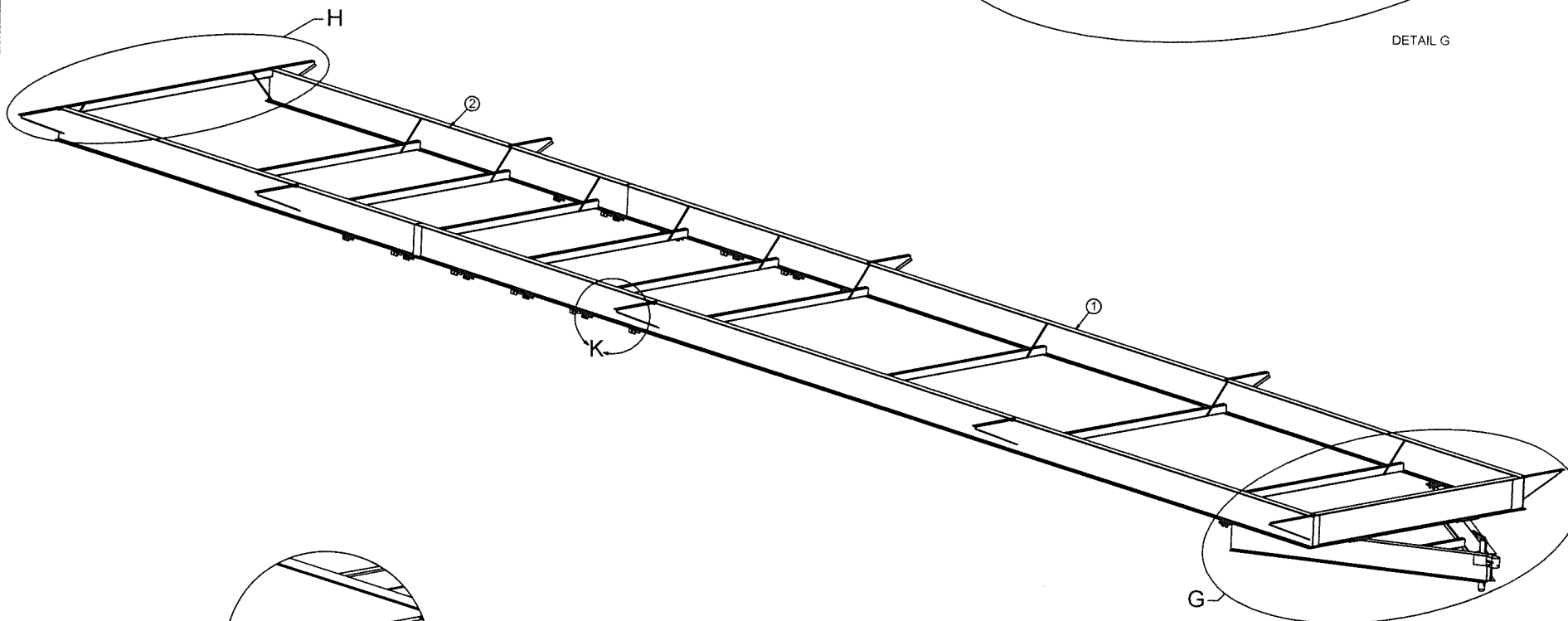
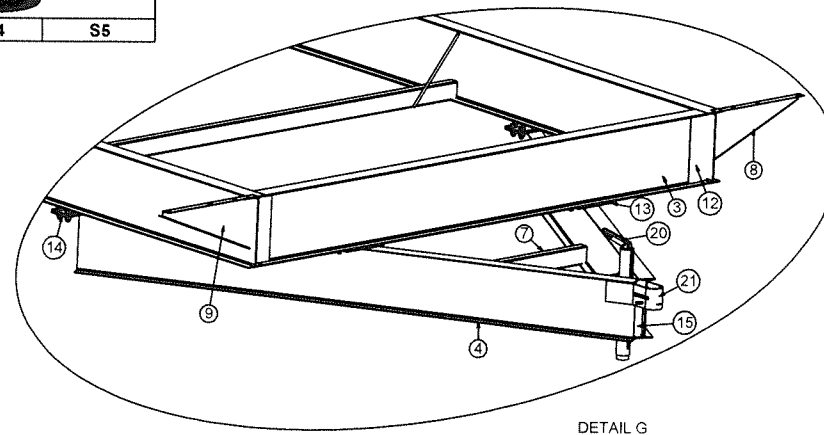
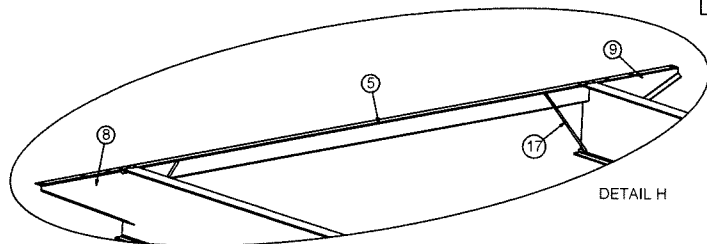
DRAWN BY
A.WILEY

REV.
A

DATE: 7/19/2007
PAGE: 2 OF 3

NOTE: MOUNT ALL XM & OR TABS UNDER TOP I-BEAM FLANGE

REGION 1	5614	6014	S5
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01 24 00: Hydraulic Piers

Patriot Jack Systems™



Introducing our 13,000-pound capacity, heavy-duty, hydraulic lifting jacks, perfect for equestrian and heavy utility trailers!

At 27 inches of stroke, the 13K Patriot Jack offers a great compromise above the typical industry standard of 24 inches of stroke. This gives the trailer owner more clearance for today's larger tow vehicles.

Our 13K Patriot Jack offers single and dual jack packages. The dual jack package offers the user the ability to operate each jack independently or both jacks simultaneously.

Quick Facts:

- 27" stroke
- Manual override available
- Single and dual jack packages
- Fastest extend time at 33.2 seconds
- Fastest retract time at 22.4 seconds
- Weather proof housing for pendant controller
- Powder-coated steel cover protects the pump from the elements
- Zinc plated dynamic tube provides better resistance to rust and the elements
- 13,000-pound capacity per jack. Dual jack system totals 26,000 pounds of capacity
- Two installation options; c-channel mounting bracket and angle iron mounting bracket
- Both options offer a safety feature which allows user to lock the system while not in use
- Pendant controller on dual jack package allows the user to control each jack independently or both jacks simultaneously

Our locking controllers provide you the option of either raising and lowering the jacks together or independently from side to side.



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01 50 01: Tug

MOVE IT

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**COMPACT, RADIO REMOTE CONTROLLED
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**MODEL 465 SHOWN
MANEUVERING A HEAVY
SIX AXLE HOME IN PLACE
IN A VERY TIGHT SPACE ON
RUGGED GROUND.**

THE CSI *HOUSE-TUG* WAS DESIGNED SPECIFICALLY FOR INSTALLING MANUFACTURED HOUSING

Maneuvering in tight places, soggy weather, and rugged terrain is what this machine was born to do!

Pulling heavy loads provided by modern manufactured Homes is no problem. With fully hydrostatic drive and the extra power of its 49 horse power KUBOTA diesel, the ***HOUSE-TUG*** can easily move the Heaviest units into place!

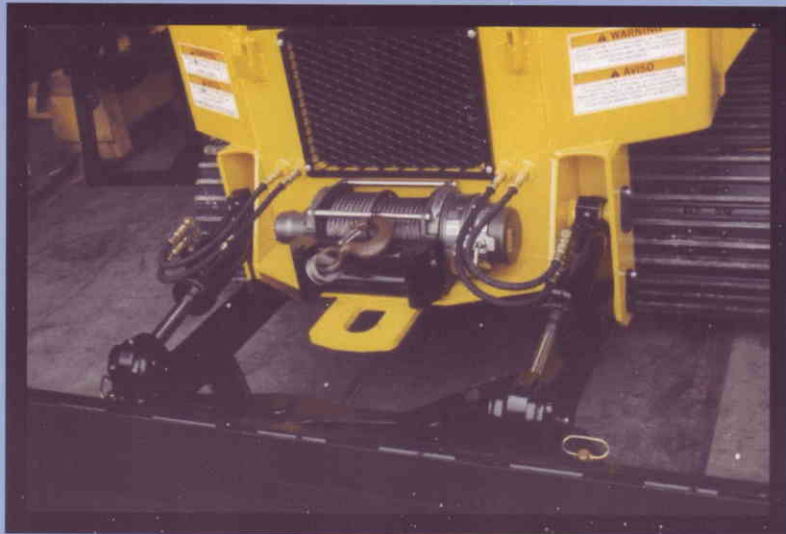
Lifting from ground level to over 36 inches with a capacity in excess Of 26,000 lbs. Gives this little machine the abilities of a giant.

Finger tip radio remote control allows you to easily walk around the Housing unit to check clearance from obstacles, tracking of tires and final positioning of the unit on the pad.

Over varied terrain with street pads or optional grousers, the maneuverability and control of the ***HOUSE-TUG*** will amaze you. It can Actually turn around in its own length, and crawl steep inclines to get Into and out of places you would never take other machines.

The ***HOUSE-TUG***'s user-friendly radio remote control gives you full Control of this little giant. The state of the art industrial control system is weather proof and extremely rugged to provide many years of dependable service.

With our many options and attachments, augers, anchor drivers, concrete buckets, dozer blades and backhoe, you can customize your ***HOUSE-TUG*** To suit your needs and make site prep quick and easy.



**465 SHOWN WITH STANDARD
12,000 LB WINCH
AND OPTIONAL DOZER
BLADE ATTACHMENT**



**465 SHOWN WITH DOZER BLADE
OPTION AND AUGER ATTACHMENT**



**465 SHOWN WITH OPTIONAL
BACKHOE ATTACHMENT**



STANDARD 26,000 LB CAPACITY MAST

SPECIFICATIONS

ENGINE: KUBOTA V2203 4CYL.
LIQUID COOLED DIESEL 49 HP
@ 2800 RPM

DRIVE TRAIN: AUBURN PLANETARY
GEAR DRIVE POWER WHEEL HUBS
DOUBLE REDUCTION WITH
INTERNAL PARKING BRAKE

UNDER CARRIAGE: SERIES II
14" STREET PADS (STD)
TRAVEL SPEED: 2.4 MPH

CAPACITIES:

HYDRAULIC OIL: 30 GAL

DIESEL FUEL: 30 GAL

TORQUE HUBS: 35 OZ

ENGINE OIL: 8 QTS

COOLANT: 8 QTS

DIMENSIONS:

LENGTH: 101"

WIDTH: 68"

HEIGHT: 72: (MAST DOWN)

WEIGHT: 8,600 LBS

(ALL DIMENSIONS LISTED ARE
FOR STANDARD MODEL 465
WITHOUT OPTIONAL EQUIPMENT)

OPTIONS:

GROUSER BAR PADS

RUBBER PADS

18" STREET PADS

(SEE ATTACHMENTS SHEET FOR
OTHER OPTIONAL EQUIPMENT)

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NOTICE .**

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PLEASE HEED ALL WARNING DECALS !





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HEAVY HOUSING UNIT INTO
DRIVEWAY IN MUDDY, RUGGED
TERRAIN IS NO PROBLEM !
SEND THE TOWER TRUCK
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HAS NEVER BEEN SO EASY !**



**ON THE PAD SAFE AND SOUND
WITH A *HOUSE-TUG* THIS PROCESS
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IN PLACES WHERE NO TRUCK OR
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SITE PREP IS NO PROBLEM !**

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01 50 02: Tug w/Leveling System

CSI

Model 115 PLATYPUS

Mobile / Modular
Home Mover



The Platypus is equipped with heavy-duty excavator-type tracks for a dependable long service life. It is designed to make lifting and moving mobile and modular housing units quick, easy, and safe! The hydraulic system, powered by a Kohler gas engine, provides enough power and flexibility to accurately position the housing unit, even on the most demanding worksite!

Standard Features:

- 50,000 lb Lift Capacity
- High Carbon Steel Chassis
- 12 gallon Hydraulic Tank
- 8 gallon Fuel Tank

Illustrated Features:

- 1) 35 HP Carburetor OR 38 HP EFI Gas Engine
- 2) 2-speed Torque Hubs
- 3) Radio Remote Control
- 4) Lifting Extension / Framing Spade
- 5) Storage for Attachment Tools
- 6) Transport Axle



Durable, efficient and reliable power



Moves quicker when not under load



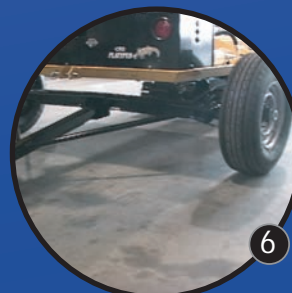
Control anywhere on the job site



Extend lifting body or add leveraging ability



Interlocking design for quick access



Easily attach and remove in minutes



Cutting Systems, Inc.

Toll Free 1-877-844-1274

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Adaptable

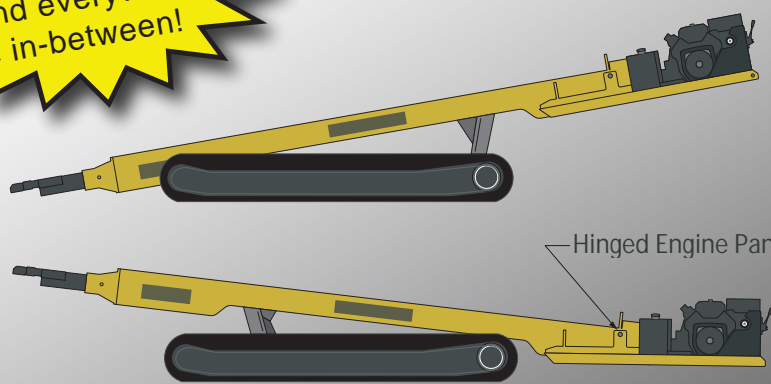
Flexible

Dependable



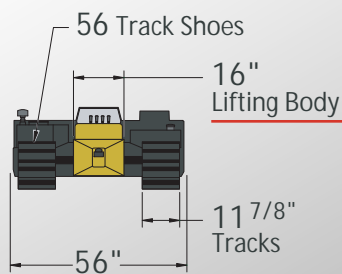
The radio remote control removes the operator from potentially hazardous positions and also allows an unobstructed view of the work zone. Mating the halves of a modular or double-wide home is achieved without jacking or rolling. As a result, productivity is higher and the job site is safer. By reducing hazards and man-hours per set, the Platypus offers a quick return on investment by lowering major cost factors.

High or low,
and everywhere
in-between!

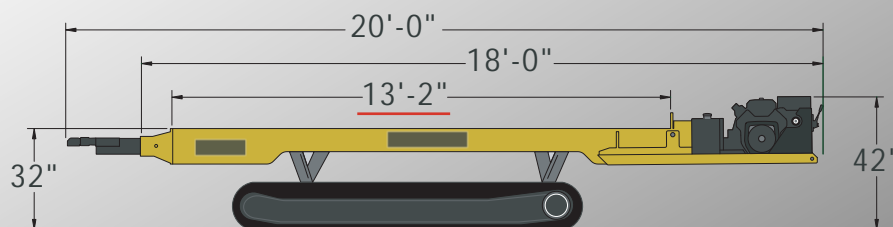


Range of Motion

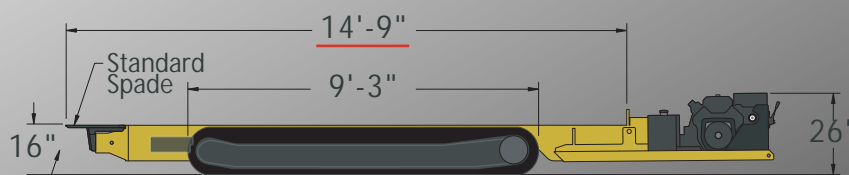
Gross Weight: 6,900 lbs
as shown



Front Dimensions



Raised Dimensions



Lowered Dimensions

With the optional extension, the lifting body extends to 16'-1"



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