Uintah Machine and
Manufacturing Company

P.O. Box 8
Duchesne, UT 84021
Phone 435 738-2453
Fax 435 738-2620
www.uintahmachine.com
e-mail info@uintahmachine.com

Shield Haulers

Uintah's basic shield hauler models are open-bottom and open-back trailers fitted with hydraulic cylinders and heavy chains. The shield fits inside the "horseshoe" and is lifted with the cylinders and chains. Shields can be hauled in the mine only inches above the ground with their centers of gravity between the wheels on the shield hauler. They are the fastest way to move shields long distances.

More advanced models include heavy-duty oscillation plate suspension for a smooth ride, load equalization on the tires, and optimum braking performance.

Recently, Uintah has developed multiple disc wet service brakes and multiple disc spring-applied / hydraulic-released brakes for low-maintenance intense braking power. They can be fit to nearly all Uintah shield hauler models.

Another feature, developed jointly with Arch Western Bituminous Group, includes a lifting pan with a hydraulic winch for loading and a hydraulic pushplate for unloading. The pan sets flat for loading and tilts down allowing the shield to slide with aid from the pushplate for unloading. Nylon pads protect the shields and lifting pans from abrasion.

Our unique, rugged design saves thousands of dollars in wear and tear on forked shield transporters and tires. In fact, shield haulers have been known to pay for themselves in one longwall move.

We manufacture shield haulers built integral with a tractor or as a 5th wheel trailer. Pintle hitch versions are also possible. Self-propelled versions can be built on Wagners, Getmans, or Jeffreys.

We have built many units, mostly for repeat customers and have even caught the attention off mining companies as far away as China.

We take pride in our work. You can count on receiving the highest- quality, lowest-maintenance, product. Our customers have always been happy with our quality.

Uintah is happy to design and build a shield hauler to meet your specific needs. Contact us for a free quotation.

Visit our Web site at www.uintahmachine.com for more information about our mining equipment and services.

5th wheel shield hauler with winch and lights . . . . . PHOTOS

5th wheel shield hauler with winch, suspension,
wet brakes, and lifting pan with pushplate 23313-01

5th wheel shield hauler . . . . . PHOTO 1
PHOTO 2

Shield hauler built integral with tractor 13765-01

Self-propelled shield hauler built integral with tractor. 20-MILE

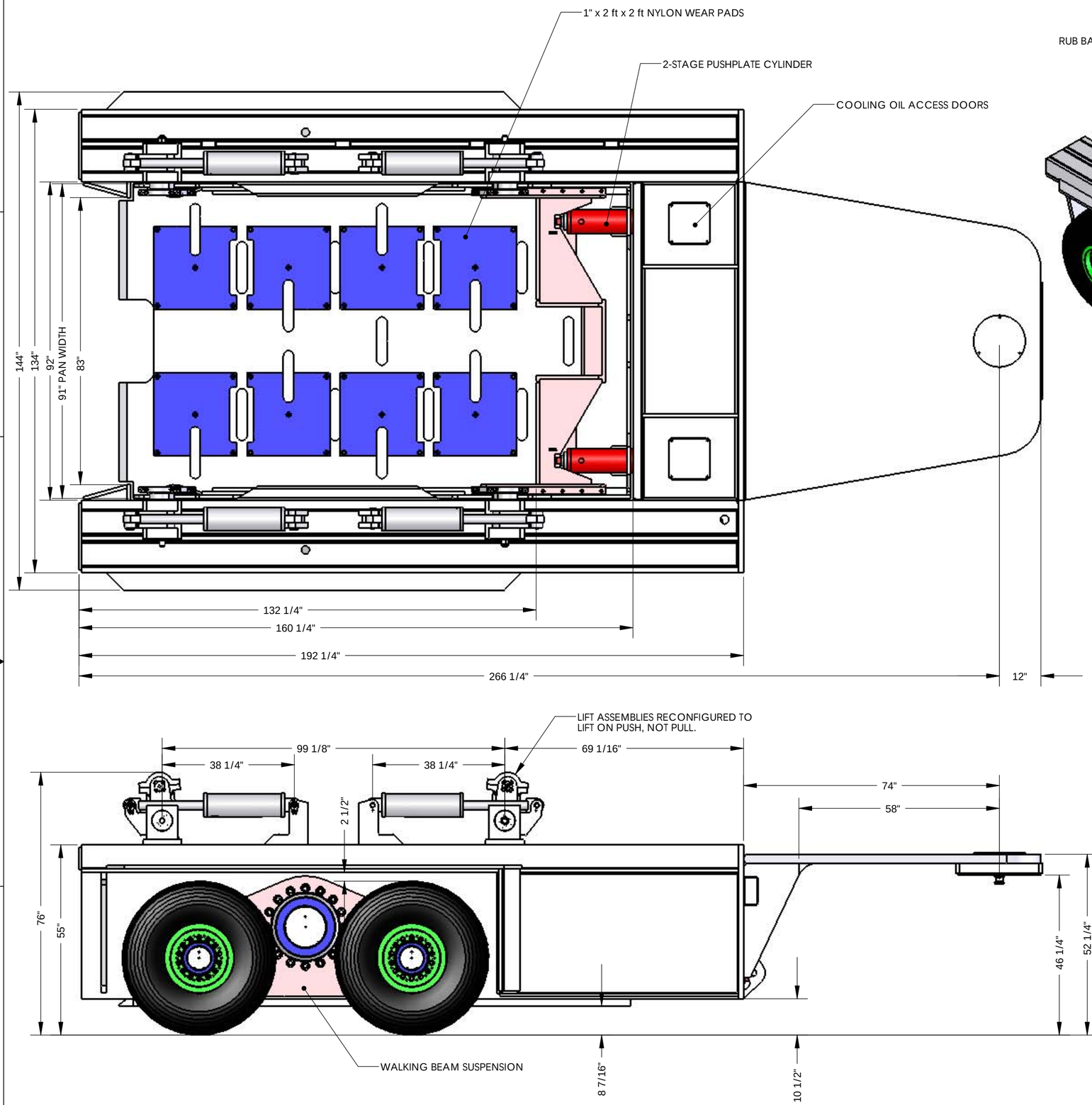
5th wheel shield hauler 7086GNAR

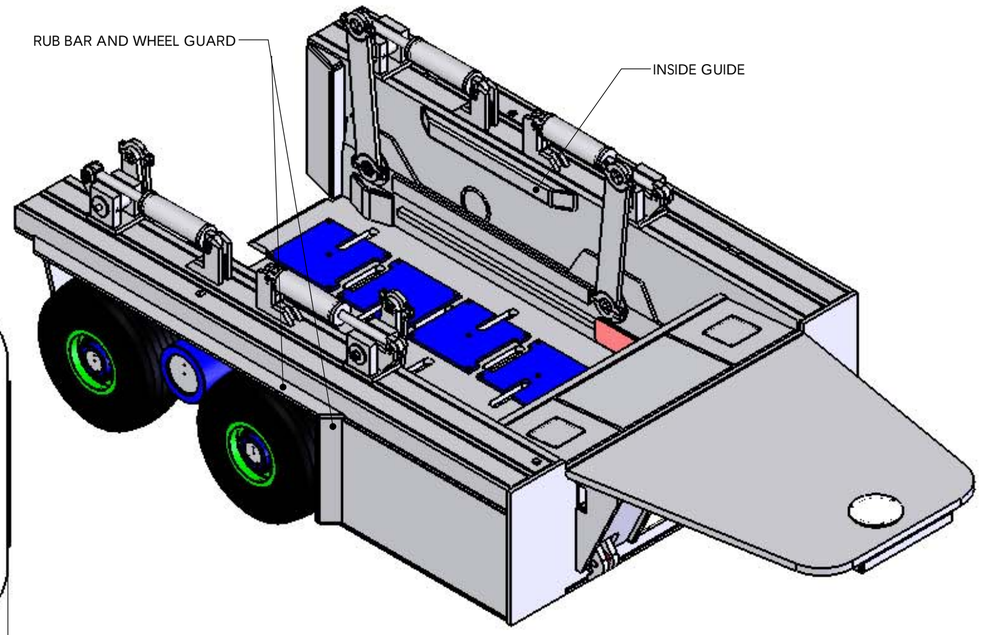
Shield hauler built integral with tractor BLUEMTN2

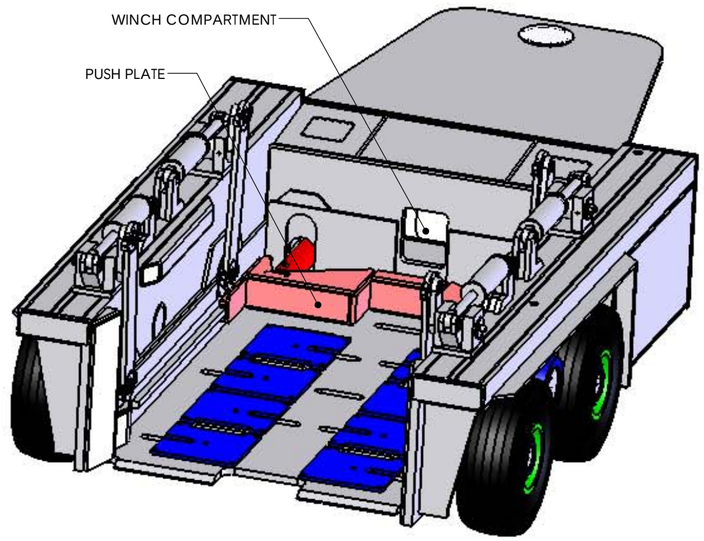
5th wheel shield hauler 20460-01
PHOTO 1
PHOTO 2

This shield hauler is a recent model with features requested by the customer. It includes Uintah Machine's multiple disc wet service brakes with cooling tank and pump onboard. It also has a hydraulic winch mounted inside the frame (bottom right). Lights were included on the rear of this model, as well.

SHIELD HAULERS







NOTES:
--WET BRAKES ON ALL FOUR WHEELS
--WALKING BEAM SUSPENSION
--MAX PAN FLOOR HEIGHT: 11.5"
--44 1/2" x 16 1/2" WHEELS
--LIFT ASSEMBLIES RECONFIGURED FOR LIFTING ON PUSH INSTEAD OF PULL
--NO LANDING LEGS (SEE SHEET 2)
--ESTIMATED TRAILER WEIGHT: 62,400 LBS.

	NAME	DATE
DRAWN	JBH	05/30/06
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

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TITLE:
ARCH SHIELD HAULERS
GENERAL ARRANGMENT
PAN UP, PUSH CYLINDER RETRACTED

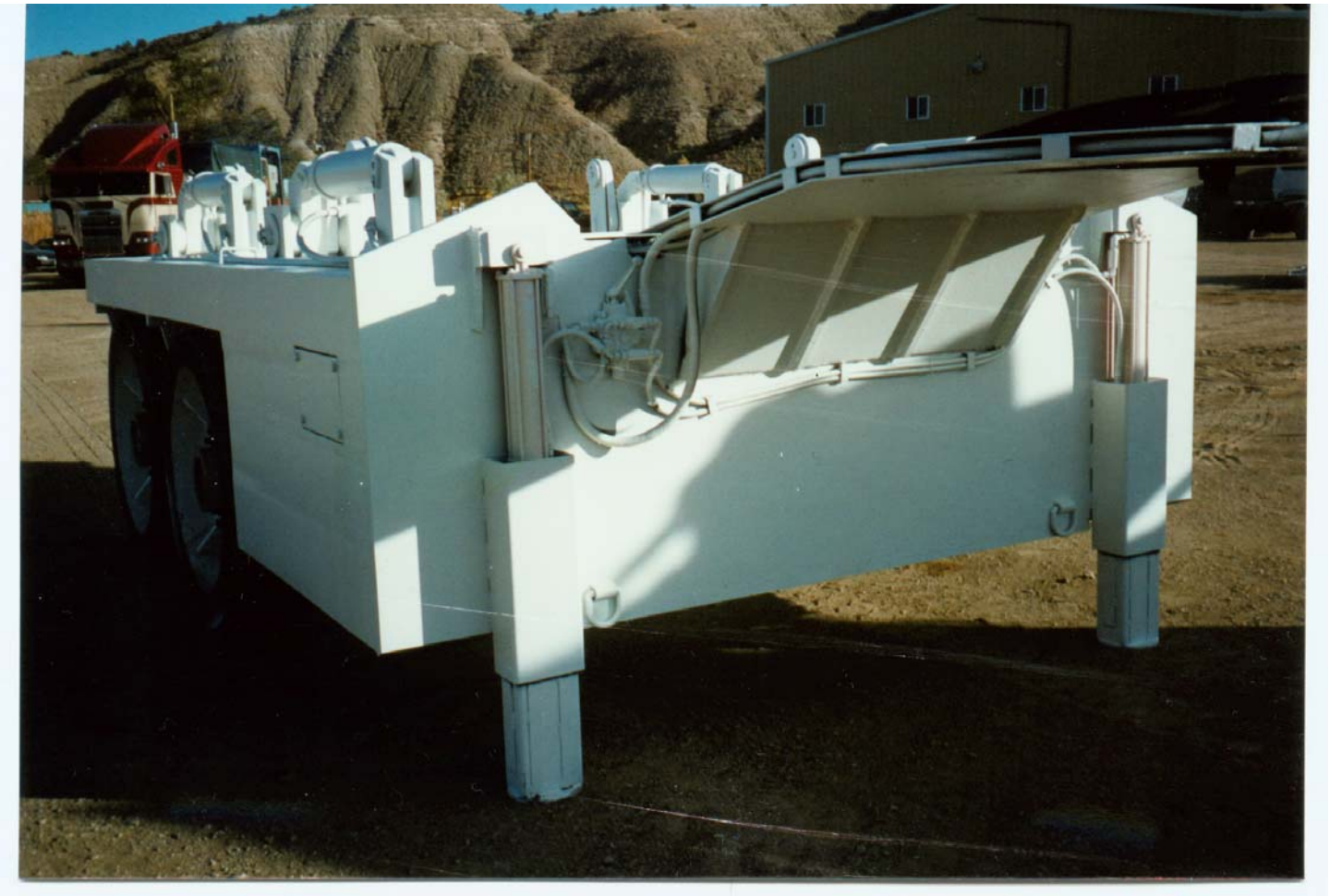
SIZE	DWG. NO.	REV
C	23313-01	
SCALE: 1:24	WEIGHT:	SHEET 1 OF 3

SHIELD HAULERS

UMDRWGS\SHLDHLR\ARCH\23313\23313-01.*

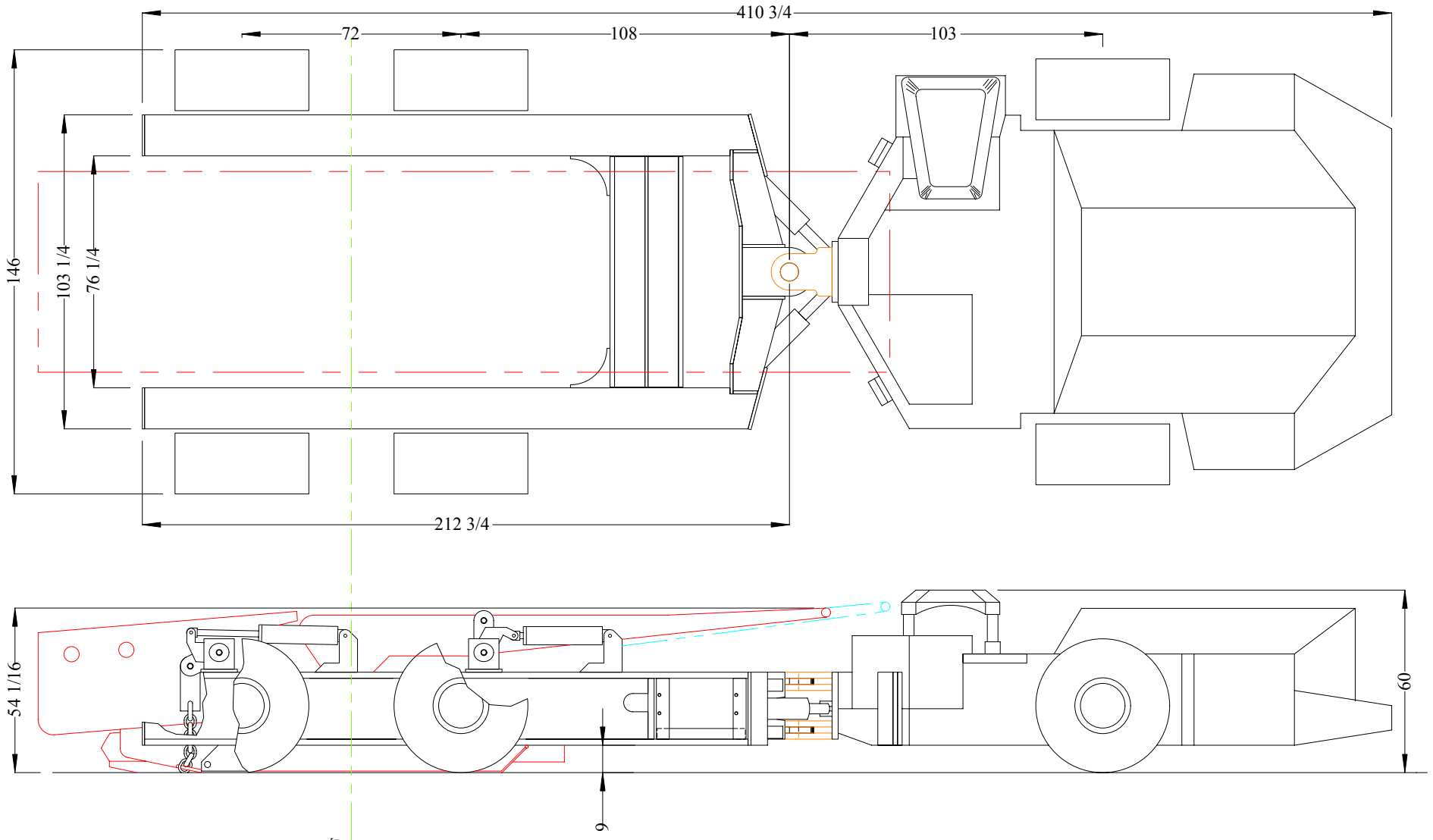
5th WHEEL SHIELD HAULER

SHIELD HAULERS



5th WHEEL SHIELD HAULER

SHIELD HAULERS



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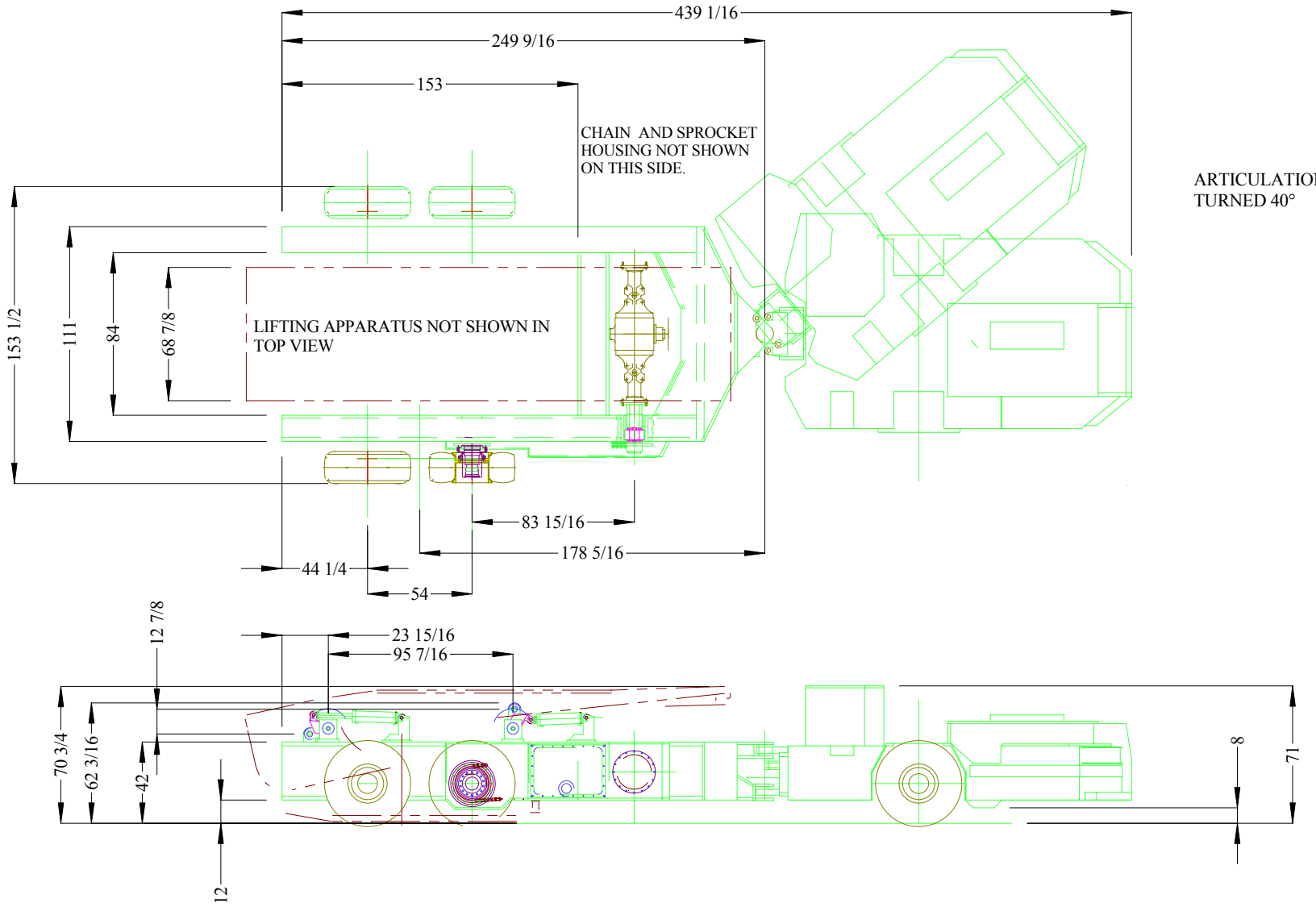
SHIELD HAULER

DATE:	DRWN BY: Jake Hamilton	SCALE: 1 : 48
PATH, FILE NAME, OR DRAWING NUMBER	13765-01.TCW	

ORIGINALLY DRAWN 01/14/93 BY B.H.
CAD REVISION MADE 08/04/01 BY J.H.



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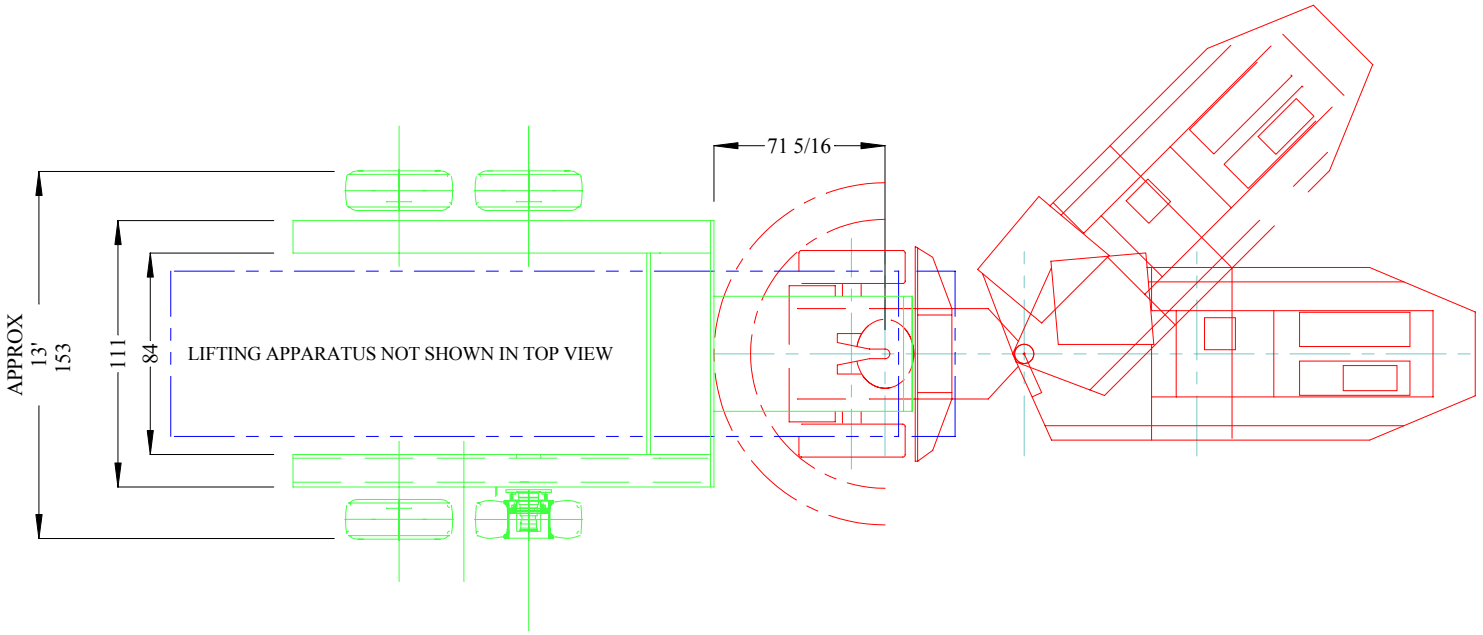
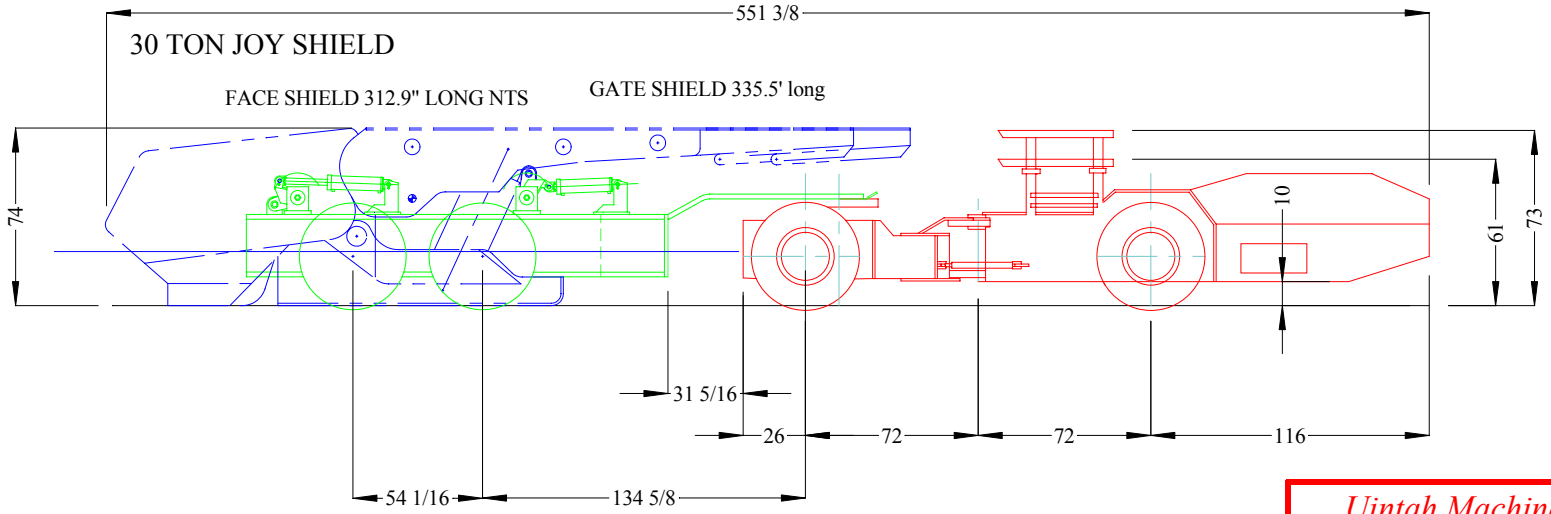
GENERAL ARRANGEMENT OF SHIELD HAULER

ROUGH DRAFT, FOR APPROVAL PURPOSES ONLY

DATE:	DRWN BY:	SCALE:
11-08-95	*Bryce Hamilton*	1: 80

PATH, FILE NAME, OR DRAWING NUMBER: 20MILE\02FRAME\20-MILE.TCW





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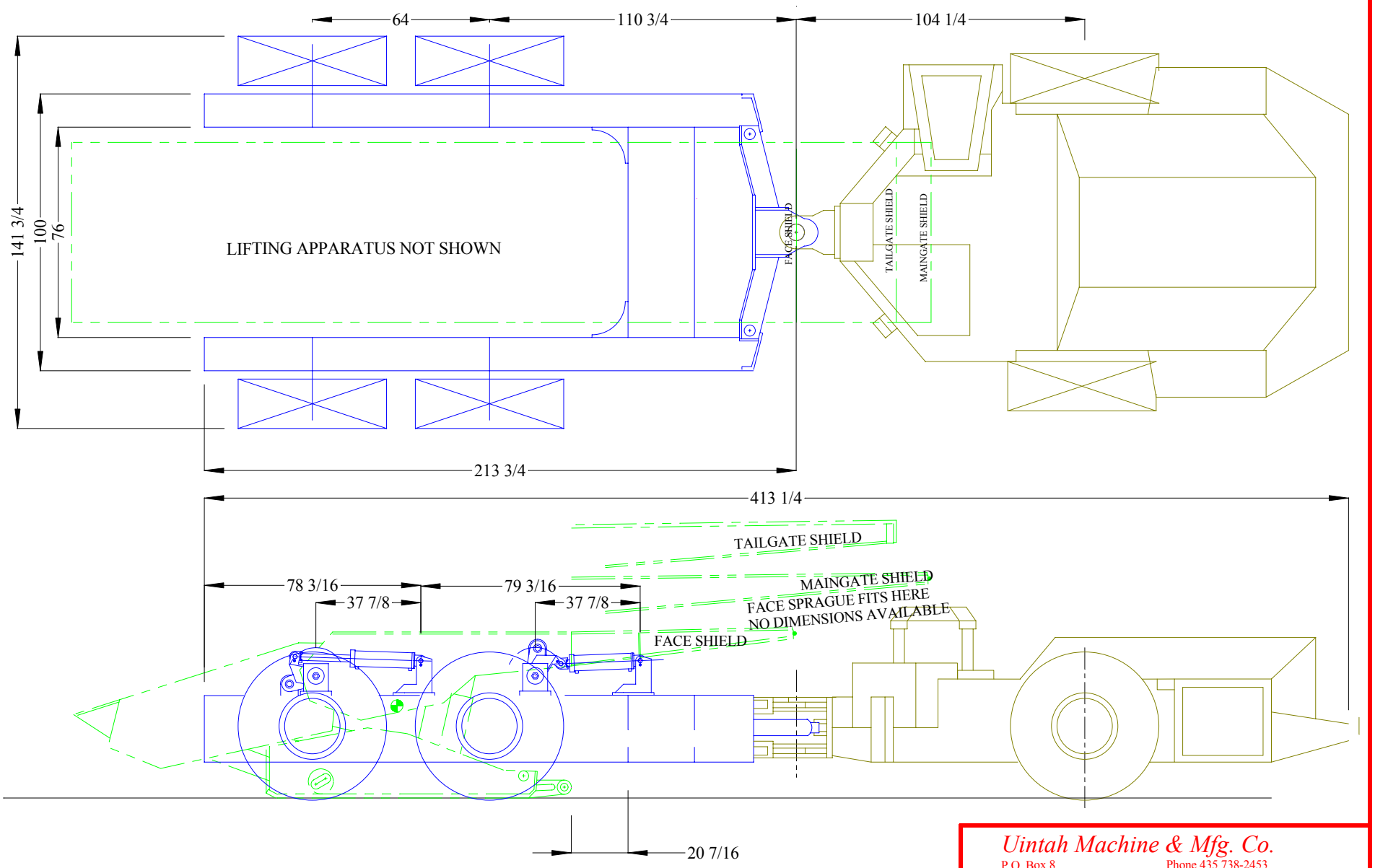
CONCEPTUAL

SUFCO SHIELD HAULER

DATE:	DRWN BY:	SCALE:
2/13/97	*Byce Hamilton*	1: 80

PATH, FILE NAME, OR DRAWING NUMBER: F:\QUOTES\BEGJAN97\7086DIR\7086GNAR.TCW



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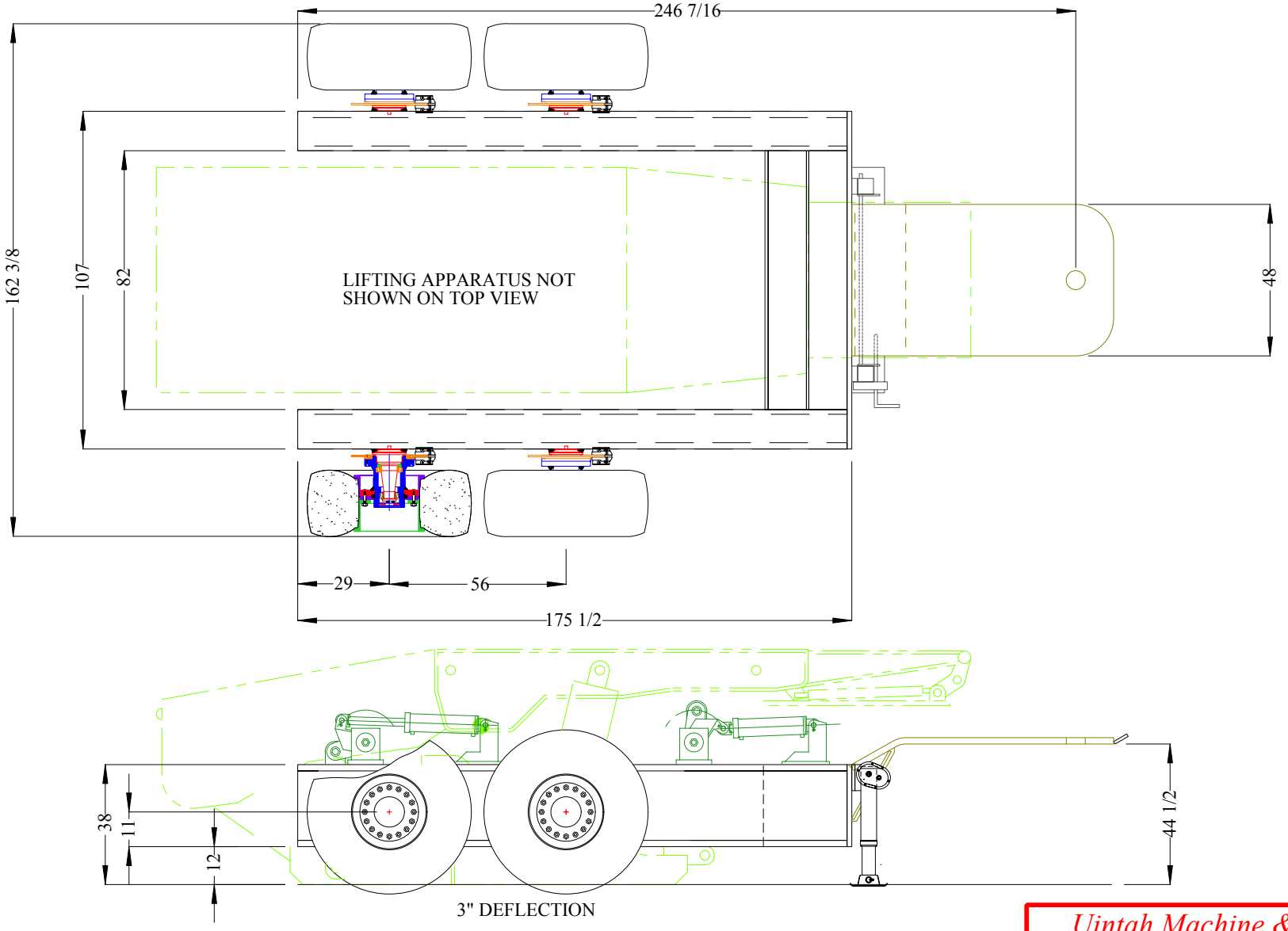
BLUE MOUNTAIN

SHIELD HAULER

DATE:	DRWN BY:	SCALE:
3-5-97	JOHN SKEWES	1 : 50

PATH, FILE NAME, OR DRAWING NUMBER: BLUEMTN2.TCW

..\UMDRWGS\SHLDHLR\JEFFREY\BLUEMTN\BLUEMTN2.TCW



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GENERAL ARRANGEMENT FOR

OXBOW'S SHIELD HAULERS

DATE:	DRWN BY:	SCALE:
07/20/02	Jake Hamilton	

PATH, FILE NAME, OR DRAWING NUMBER: 20460-01.TCW

UMDRWGS\SHLDHLR\OXB20460\20460-01.TCW

LOADED SHIELD HAULER

SHIELD HAULERS

UNLOADED SHIELD HAULER

SHIELD HAULERS