FROG HOPPER TM / RODEO RIDER TM

Preventative Maintenance / NDT Schedule

<u>Item</u> <u>Required Action</u>

Wire Rope Replace Annually

Oil Filter Replace First 50 hour interval

and Every 250 hours

thereafter

Hydraulic Hose Replace every 3 years

Electrical Control Relays (Up, Slowdown, Down Valve) Replace Annually

NDT Boom and Base Welds

(Refer to drawings F-FRG-BOO-W-2, and 002125

Every 3 years

Bolt mount plate at frame attachment location.

Tube steel frame at all corners and joints.

Base bolt mount plates at connection to boom sides.

Upper boom attach brackets at connection to boom sides.

Lower cylinder mount

Mount block of stationary sheave

Cart trolley joints

Seat boom attachment to trolley

Rocker arm attachment

(Pre 2004 models Visual Inspection is required. Mag-particle is suggested. Post 2003 models Mag-particle is required.)

.

SUGGESTED ACTION ITEM

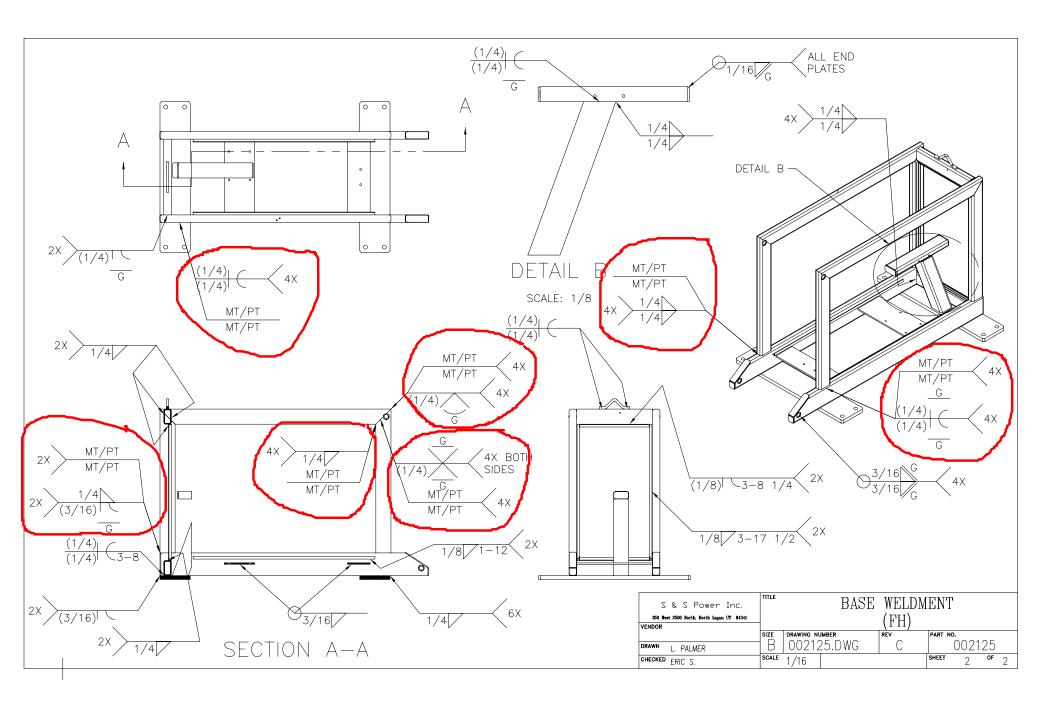
<u>Item</u>

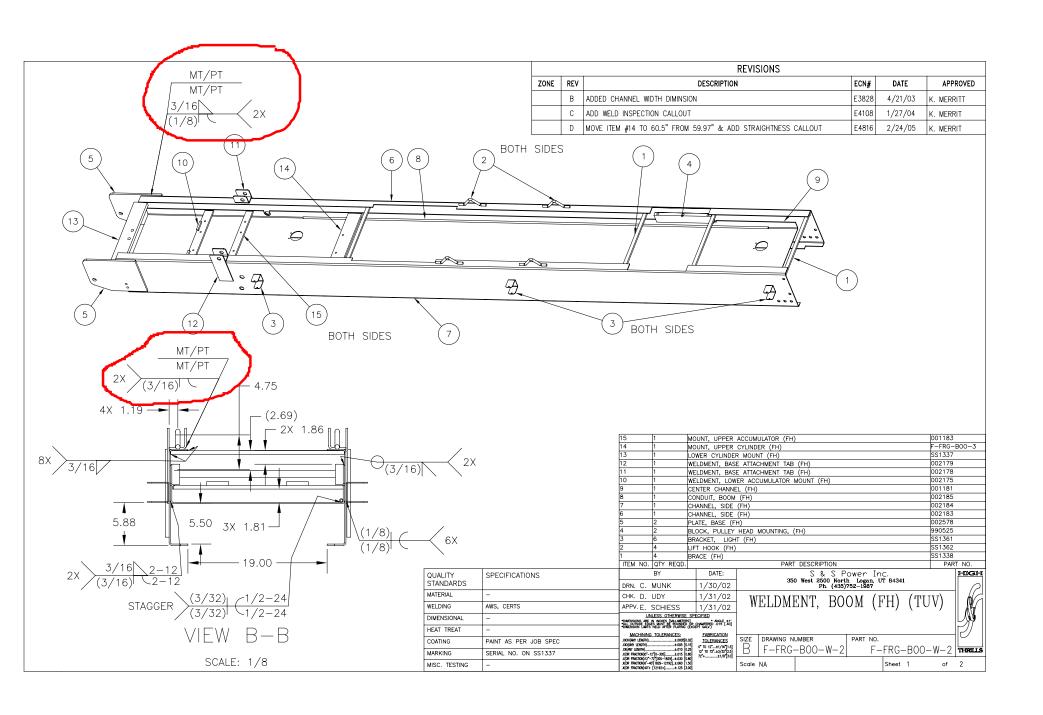
Sheave Bearing
Down Valve
Hydraulic Cylinder Rebuild or Replace
Hydraulic Accumulators rebuild or replace
Cart Wheels
Oil change

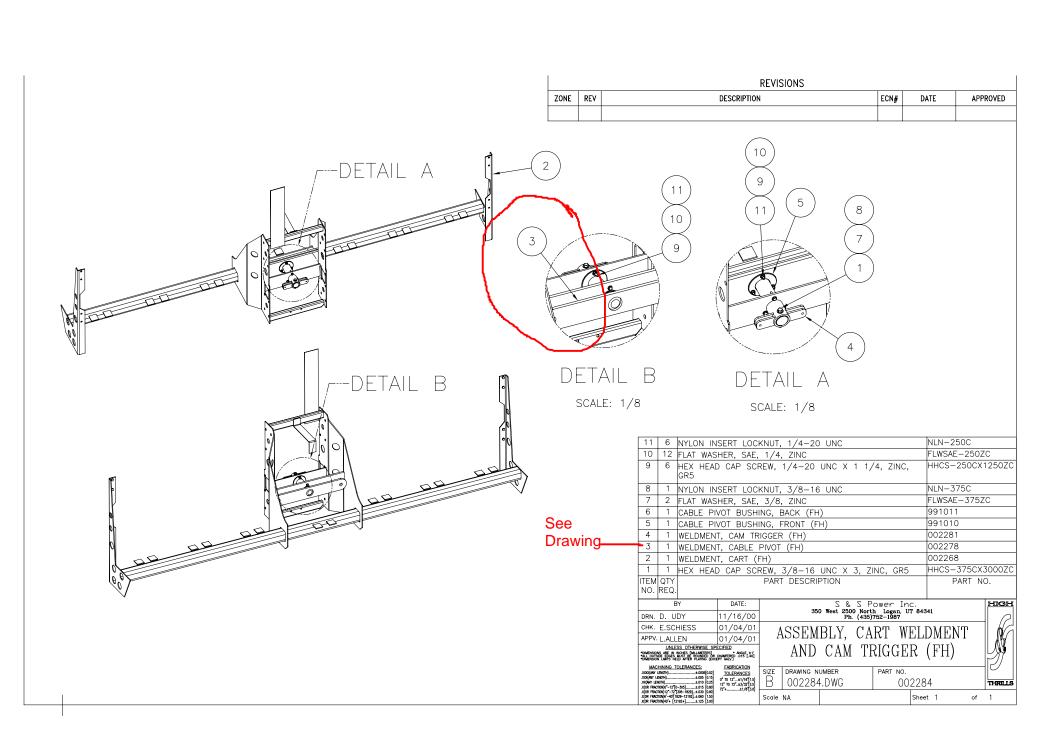
Suggested Action

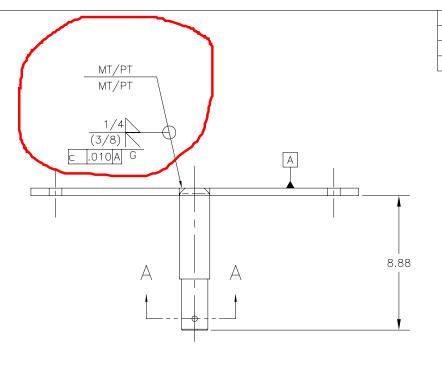
Replace Annually Replace every 3 years Every 50,000 cycles Annually or 30,000 cycles Replace Annually Replace Annually

NOTE: Items included in the Suggested Action item list are not Safety Critical. They are only here to eliminate down time for repairs. They are suggestions only! S&S Power does not require the replacement of these items. We mention these items only to help the parks keep the rides up and running.

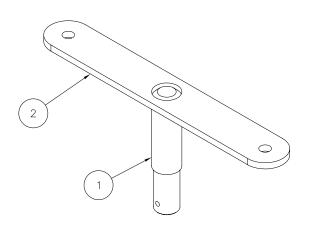


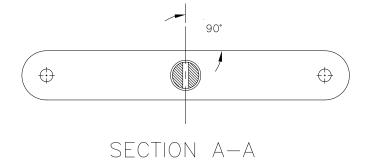






REVISIONS												
ZONE	REV	DESCRIPTION	ECN#	DATE APPROVED								
	А	ADDED DIMENSION	E3830	4/23/03	S. BARWICK							
	В	ADDED MT \ PT WELD CALLOUT	E4101	1/19/04	N. HANSEN							





CERTS

ZINC

PER AWS D1.1 INSPECT 10% OF LOT

SEE WELD SYMBOLS

BY	DATE:	S & S Power Inc.					HIGH	
DRN. D. UDY	11/20/00	350 West 2500 North Logan, UT 84341 Ph. (435)752-1987						
CHK. E,SCHIESS 01/04/01			WELDMENT, CABLE PIVOT					1 6/21
APPV. L.ALLEN						X VV		
UNLESS OTHERWISE SPE *DMENSIONS ARE IN NICHES IMILIMETERS! *ALL OUTSIDE EDGES MUST BE ROUNDED OR *DMENSION LIMITS HELD AFTER PLATING (EXCE	(FH)							
MACHINING TOLERANCES; 2000(ANY LENGTH)	FABRICATION TOLERANCES 0" to 12"±1/16"[1.5] 12" 10 72"±3/32"[2.5] 72"+±1/8"[3.0]	SIZE	DRAWING NUMBER		PART NO. 002278			
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		Scale).D WG	00	ZZ/O Sheet 1	of	THRILLS

