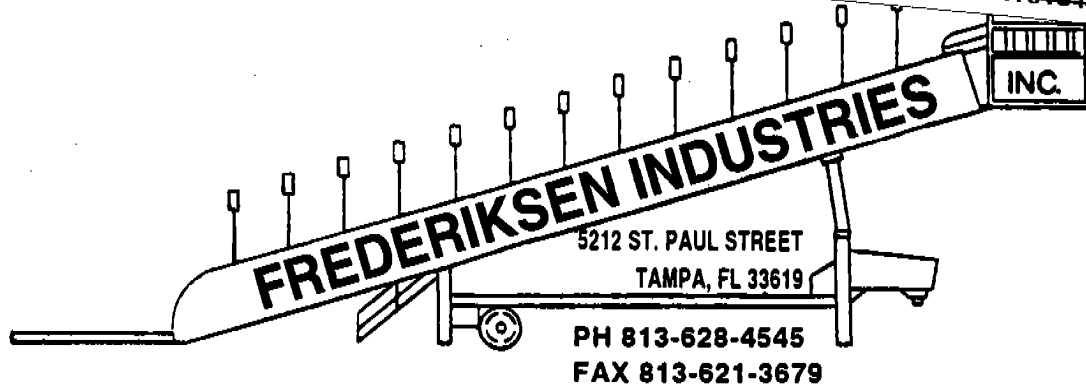




MFG: FREDERICKSON
INDUSTRIES, INC.

NAME: FUN SLIDE

TYPE: ~~ATTRACTION~~ KIDDIE



OPERATIONS, MAINTENANCE AND INSTRUCTIONS MANUAL

FOR THE KIDDIE FUN SLIDE

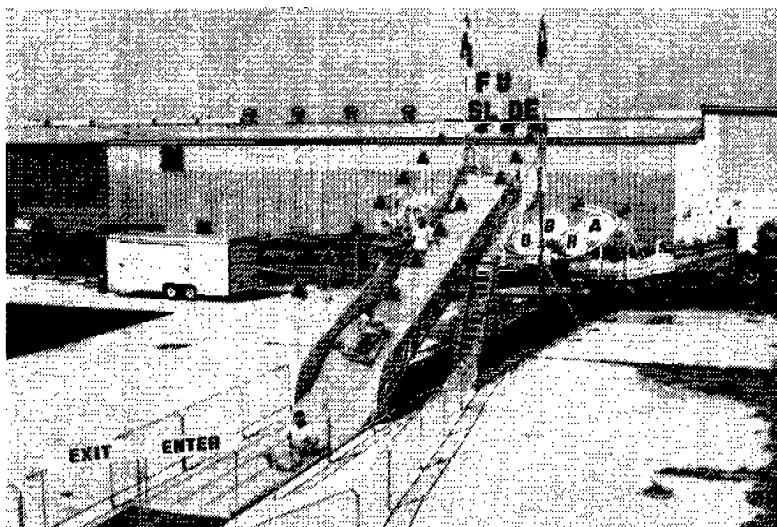


TABLE OF CONTENTS

	PAGE
INTRODUCTION.....	1
HYDRAULIC SYSTEM	
ELECTRIC HEATER SYSTEM	
SIGN CONTROL MODULE.....	2
SET-UP OPERATION.....	3-4-5
OPERATIONAL PROCEDURES AND CHECKLIST.....	11
OPERATION OF THE DRY SLIDE.....	12
ILLUSTRATIONS:	
FIGURE 1-SKETCH OF SLIDE ASSEMBLED IN OPERATING POSITION.....	6
FIGURE 2-SKETCH OF SLIDE RACKED FOR TRANSPORTING....	7
FIGURE 3-SKETCH OF FRONT OF SLIDE ASSEMBLY.....	8
FIGURE 4-SKETCH OF ROLL-OUT SECTION MATING WITH FRONT SECTION.....	9
FIGURE 5-SKETCH OF GROUND SECTIONS AND PROPER PLACEMENT OF BLOCKING.....	10
FIGURE 6-SKETCH OF FENCING LAYOUT.....	13

INTRODUCTION

The amusement attraction known as the KIDDIE FUN SLIDE, consists mainly of a trailer-mounted aluminum framework which supports a three-lane 60 foot long fiberglass sliding area. The top section is raised into position by a hydraulic cylinder and supported by two stanchions with turnbuckles. The center section is then rolled back and hoisted into position using two winches permanently affixed to the front of the trailer, then it is bolted into place. The bottom section is then fitted together and pinned to the roll-out section.

HYDRAULIC SYSTEM

The hydraulic system consists of a model #5W034-3 (2.35 gpm) pump and a 6K045F 1hp electric motor from Dayton. The control valve is a Gresen model 300 2-way valve. The fluid tank is a Dayton 5-gallon model with a spin-on filter assembly.

The cylinder is a single stage type with a chrome-plated ram to resist rust.

The recommended oil to use is a mineral-based hydraulic oil. The recommended change interval is every 25 hours or once yearly, whichever comes first.

ELECTRIC HEATER SYSTEM

This slide is equipped with a heating system that is built in to the fiberglass. This system is virtually maintenance-free. It is designed for use only in high humidity type situations. It will not control moisture from rain, etc.

SIGN CONTROL MODULE

This slide is equipped with a 3-channel chaser-flasher computer sign control module from Rocox. The chase and flash speeds are easily set by individual controls.

SET UP OPERATION

NOTE: The trailer must be blocked at all four corners and leveled from side to side and front to rear before beginning set up operations!

CAUTION: You must remove the two 1" pins from brackets at top of 4" square uprights at rear of trailer before raising front section. Failure to do so will result in serious damage to the ride.

Set up procedure: First, install outriggers into brackets at sides of 4" uprights at rear of trailer using 1 1/4" by 6 1/2" pins and R-keys. Install 1" turnbuckles from landing gear legs to outriggers. Then block underneath the outriggers and tighten turnbuckles. (Fig. 3). While front section is down, remove pins from sign and clamps from lights. Fold sign up and pin into position using two 3/4" by 6" pins and R-keys at bottom of sign legs. Next, fold lights up and pin into position using 3/8" L-shaped pins and R-keys inserted into light brackets.

Roll-out section:

Remove two(2) 3/4" bolts from front and two(2) 3/4" bolts from rear of roll-out section. Roll back 3-4 feet only-- then install the adjustable dollies into brackets at each side of rear of section using 3/8" bolts and nuts to secure in place.

NOTE: To facilitate ease of rolling on ground it is advisable to place two pieces of plywood 2 ft. by 8 ft. approx. 14 to 22 feet behind trailer in line with dolly wheels.

(cont.)

Set up operation (cont.)

Roll section back and down to ground until approx. one foot at front of section is left on trailer.

NOTE: At this time it is easier to fold the lights up on this section, using the same procedure as the top section. Chock wheels if necessary to prevent rolling. Next, raise hydraulic cylinder up and pin into bracket in top section with 7/8" Grade 9 bolt, nut, and key. After hooking up electrical power, turn main circuit breaker on and the breaker for the hydraulic pump. Raise slide approx. 1 foot by use of the control valve lever and pin stanchions to brackets under the canopy using 1 1/4" by 3 1/4" pins and R-keys. Then, fasten the 3/4" turnbuckles to the top of the stanchions using two 5/8" by 3" galvanized pins and R-keys. Next, raise the slide the rest of the way up and pin the stanchions into place using the other 1 1/4" by 3 1/4" pins and R-keys.

NOTE: Do not let stanchions drag on trailer deck when raising. Cross the two 3/4" turnbuckles and pin to stanchions using two 5/8" by 3" galvanized pins and R-keys. Tighten the turnbuckles evenly to take slack out of stanchions- just good and snug- DO NOT OVERTIGHTEN!! See (fig. 3).

Fasten winch cables to eyebolts on lower front bar of roll-out section. Hoist up and move back as needed to meet the front section squarely---THIS IS A MUST---

NOTE: Use the two dollies to adjust up or down as needed to make the two frameworks meet squarely. (fig. 4)

(cont.)

Set up operation (cont.)

The lip of the fiberglass on the roll-out section must be underneath the fiberglass on the front section. Now install the two(2) 7/8" by 2-1/2" bolts and nuts into the mating brackets facing inward from the two frameworks. Tighten bolts securely.

Bottom (ground) section:

Line the ground section up to the roll-out section and pin together with two (2) 3/4" by 5" pins and R-keys. The fiberglass lip of the ground section must be underneath that of the roll-out section.

CAUTION: Blocking must be placed across under the cross-braces where these two sections meet as a means of support.

Slide ladder: The slide ladder is fitted to the slide stairway by use of a 7/8" by 17-1/2" pin and R-key. The ladder will have to be angled out away from the roll-out section somewhat for the pin holes to line up.

Canopy: Raise the canopy up and pin into position using the proper L-shaped 1/2" pins and R-keys. Install safety bars around the canopy and pin together using the proper L-shaped 1/2" and 3/8" pins and R-keys.

FIGURE 1

SKETCH OF SLIDE ASSEMBLED
IN OPERATING POSITION

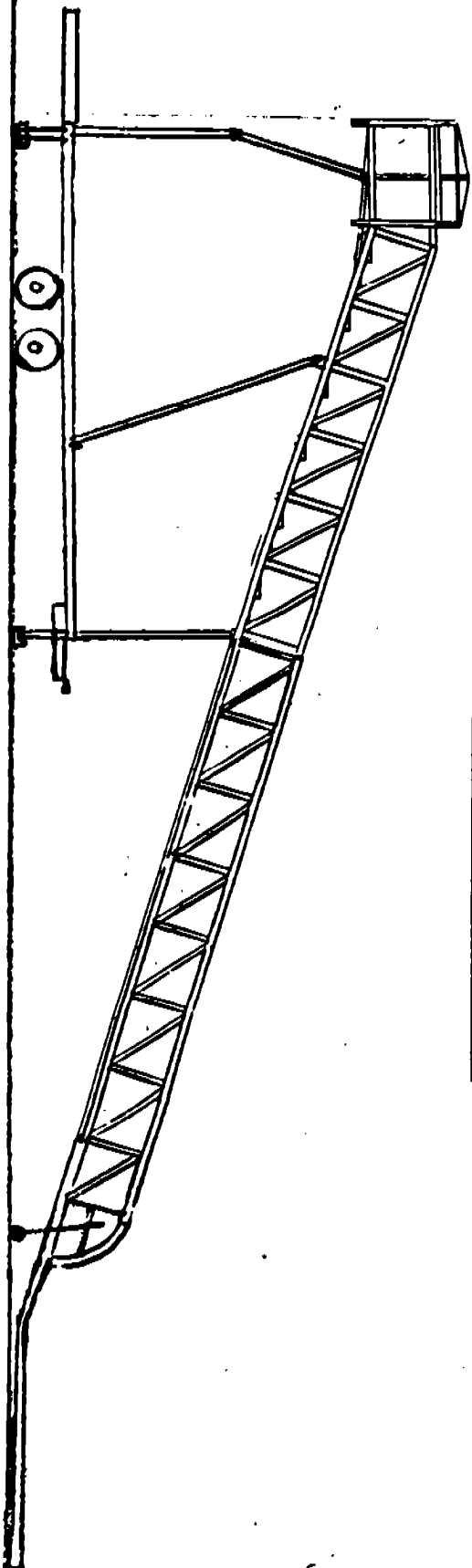


FIGURE 2

SKETCH OF SLIDE RACKED
FOR TRANSPORTING

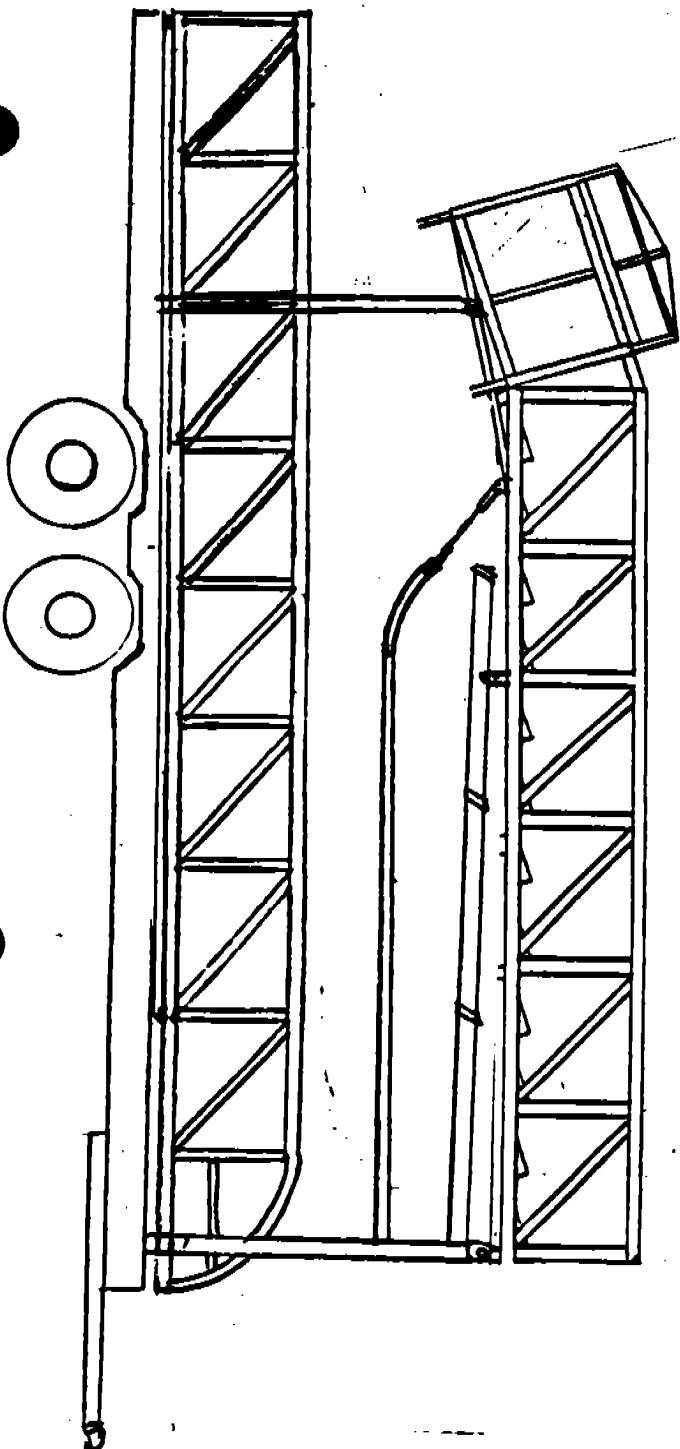
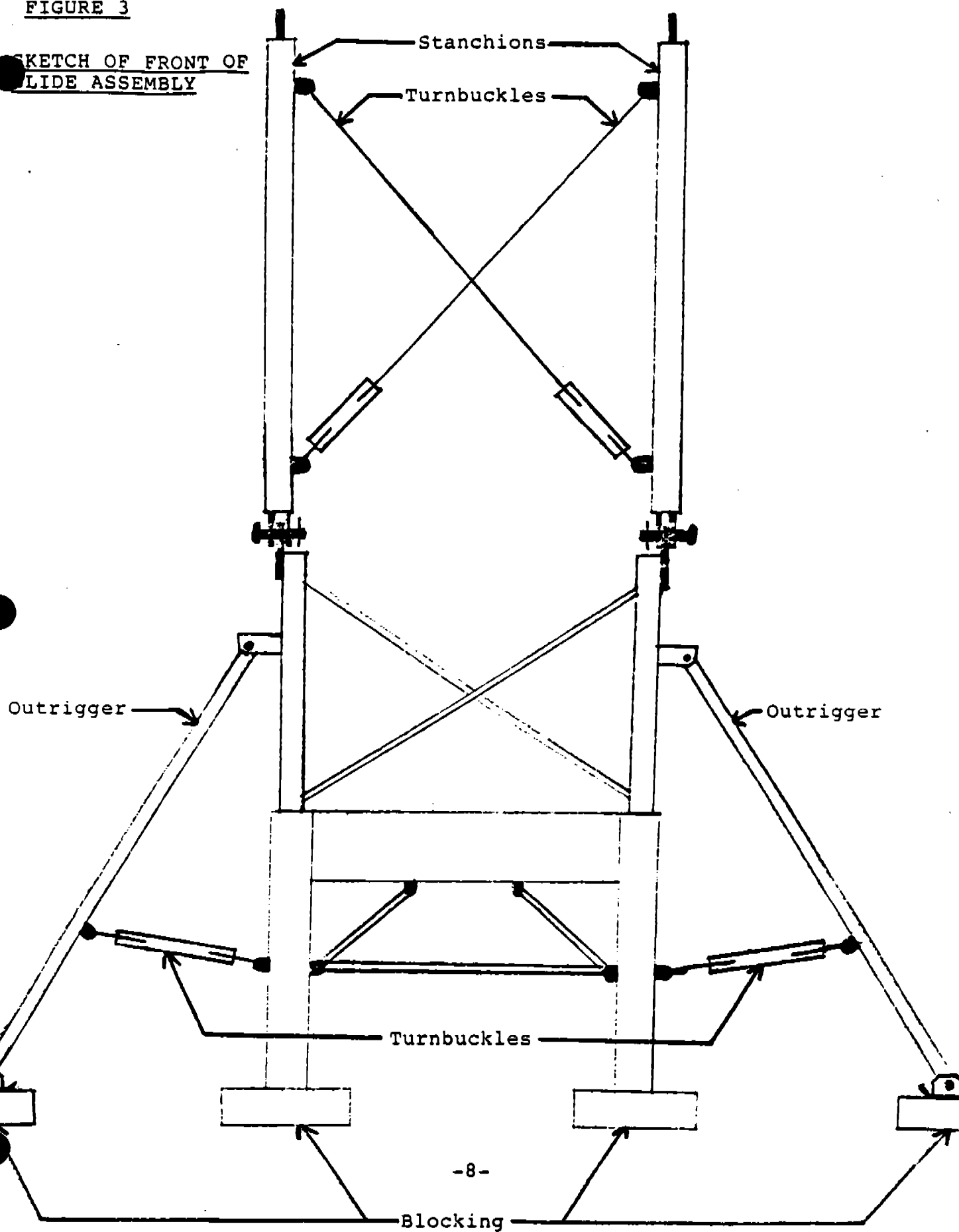


FIGURE 3

SKETCH OF FRONT OF
SLIDE ASSEMBLY



SKETCH OF ROLL-OUT SECTION
MATING WITH FRONT SECTION

INSERT BOLTS AT THIS
POINT ON EACH SIDE

THESE TWO FRAMEWORKS
MUST MEET SQUARELY

ADJUSTABLE DOLLY

BLOCKING

PLYWOOD

BLOCKING

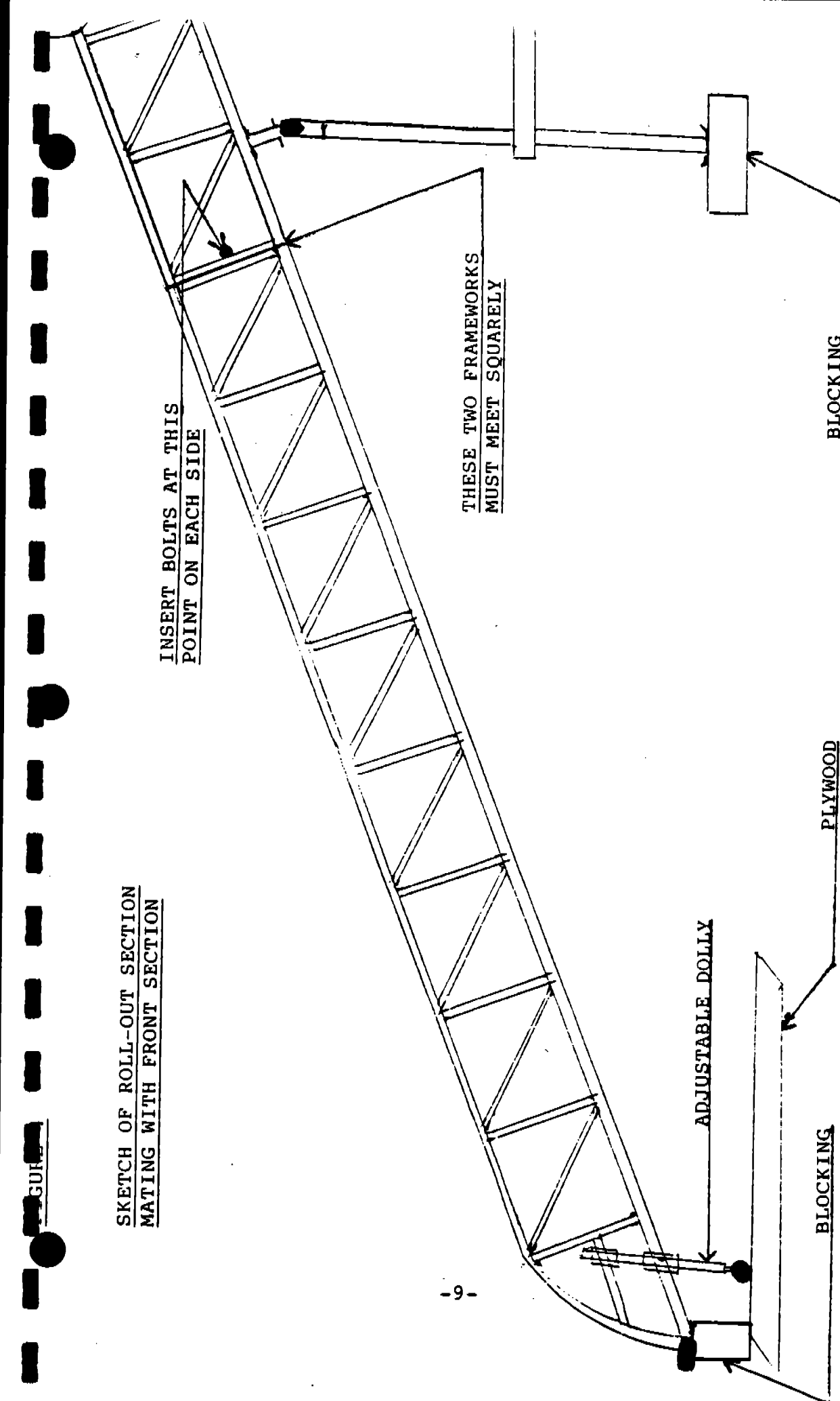
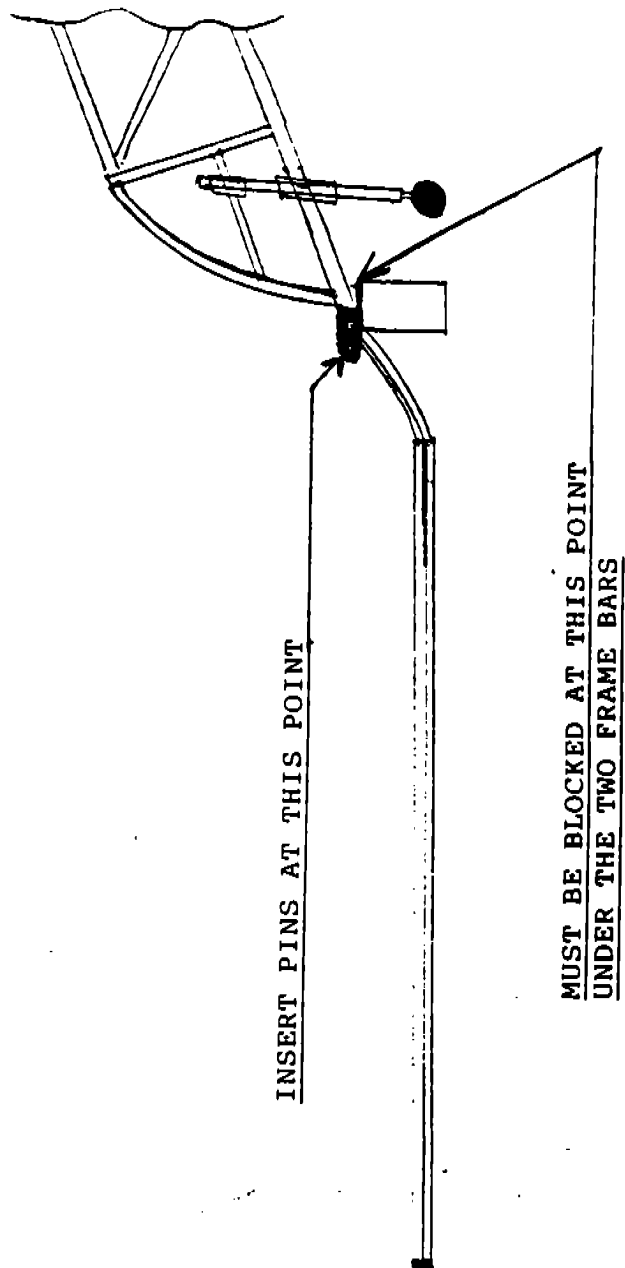


FIGURE 5

SKETCH OF GROUND SECTION AND
PROPER PLACEMENT OF BLOCKING



OPERATIONAL PROCEDURES AND CHECKLIST

Description of the area needed to set up the slide:

1. The surface on which the ride is set up must be hard enough so that no settling of the Slide will occur.
2. The surface on which the ride is set up must be level so that the Slide can be properly leveled.
3. When the Slide is in the operating position, people on the Slide should not be able to reach out and touch trees, buildings, light or telephone poles, signs or power lines, etc.

Checklist before operating Slide:

1. Pins and R-keys.....Daily for condition and proper placement.
2. Steps and handrails.....Daily for condition and pins and R-keys
3. Plugs, electrical boxes, and wire.....Weekly
4. Circuit breakers.....Monthly

Slide care:

1. Use a product such as Johnson's Pledge to clean the surface of the Slide.

CAUTION: DO NOT use wax or polish to make the Slide faster!!

2. Wash occasionally with a very mild soap.

NOTE: Do not use any type of abrasive.

Starting gates:

This Slide is constructed so that the starting gates are left in their proper position and permanently pinned and keyed, even during transportation.

OPERATION OF THE DRY SLIDE

1. A minimum of two operators shall operate the Slide if ten (10) or more persons are utilizing Slide or in Slide area. The following criteria shall apply while the Slide is in operation:

(a) One person on top of the Slide to:

- 1) Regulate the flow of sliders so that there are no collisions at the bottom of the Slide.
- 2) Make sure all riders are sitting and positioned properly before sliding.

NOTE: All sliding shall be done in an upright, sitting position, with feet in the mat pocket, and hands holding up the sides of the sliding mat.

CAUTION: Absolutely no sliding shall be done backwards, or in a prone or standing position.

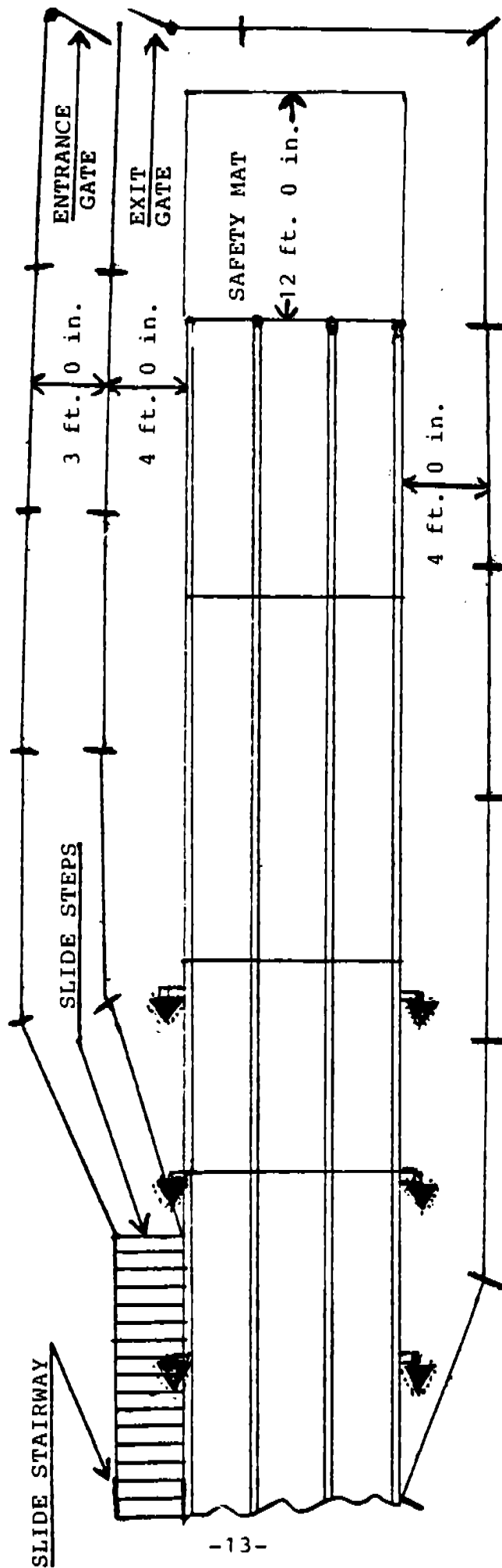
- 3) All children must be 42" tall to ride alone.
- 4) Very small children have a tendency to "fishtail" and shall slide with an adult.

(b) One person at the bottom of the Slide.

- 1) Regulate the traffic up the steps.
- 2) Make sure people use the handrails as they climb the steps
- 3) Assist people in getting up after completing their ride.
- 4) Collect the sliding mats.

FIGURE 6

SKETCH OF FENCING LAYOUT



SUGGESTED FENCE LAYOUT PLAN