

FREDERICKSON FUN SLIDE

MFG: FREDERIKSON
ENTERPRISES, INC.
NAME: FUN SLIDE

TYPE: ~~ATTRACTION~~ *KIDDIE*

PASSENGER CAPACITY: 500 PERSONS PER HOUR

DAILY PRE-OPENING INSPECTION

(This inspection shall include but not be limited to the following)

Check the following:

Side Stabilizers

Pins and Keys

Steps & Step Support

Electrical & Lighting

Condition of Sacks

Blocking

Braces

Fencing, Gates

Condition of Fiberglass Surface

OPERATION OF SLIDE

1. Customer picks up slide bag at bottom of slide when entering and walks up the steps to the top of slide.
2. Attendant at top assists customer in getting seated on top of bag.
3. Attendant informs customer that all sliding shall be done in an upright, sitting position with feet in the mat pocket and hands holding up the sides of the slide bag.
4. Attendant checks to see that no one is in the path of the customer on the bottom of the slide.
5. Attendant lets customer slide.
6. Attendant at bottom assists customer in getting up and makes sure they exit the area before the next customer slides down.

RIDE OPERATORS POSITION AND FUNCTION

1. Read the operational manual and be aware of proper operation, maintenance, and safety procedures.
2. Before operating slide, a safety check out should be adhered to.
3. Attendant on top regulates the flow of sliders so there are no collisions at the bottom. Also makes sure all riders are sitting and positioned properly before sliding.
4. Attendant at bottom regulates the traffic up the steps. Also assists people in getting up after completing their ride. Also collects the sliding mats.
5. No food or drinks.
6. Regularly inspect and keep the entire area around the slide free of any obstacles.

GENERAL SAFETY PROCEDURES

1. Passenger restrictions: Very small children have a tendency to "fishtail" and shall slide with an adult.
2. Turn off before working on moving parts.
3. Do not attempt to repair or replace any components that you are not experienced with. For safety, get help.
4. Ensure that the ride is erected by trained personnel.
5. Regularly inspect the ride and replace any parts found worn or defective.

EMERGENCY PROCEDURES

1. Evacuate passengers as quickly and safely as possible.
2. Notify your supervisor immediately.

PROCEDURE FOR AN INCIDENT

1. Call your supervisor and First Aid or other services if required.
2. **DO NOT MOVE THE INJURED PERSON.**
3. Assist in crowd control to make way for emergency vehicles.
4. Fill out an accident report while the incident is still fresh in your mind.



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OPERATIONS, MAINTENANCE AND INSTRUCTIONS MANUAL

**FOR THE
SUPER FUN SLIDE**



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INTRODUCTION

The amusement attraction known as the SUPER FUN SLIDE, (figure 1), consists mainly of a trailer-mounted aluminum framework which supports a three-lane 90 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 rear of the trailer, then bolted in place. The bottom two sections are then pinned together and fitted to the roll-out section.

HYDRAULIC SYSTEM

The hydraulic system consists of a model #5W034-3 2.35 gpm pump and a 6K045F electric motor from Dayton. The control valve is a Gresen model 300 2-way valve. The fluid tank is a Dayton 10 gallon model with spin-on filter assembly and fitted with a magnetic plug near the bottom to retrieve filings.

The cylinder is a Hyco-Dana Corporation model #30347-63-120E three-stage ram.

The recommended oil to use is a mineral-based hydraulic oil.

The recommended change interval is every 100 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 sign light control module from Zamperla. It is a 115 volt, 5 amp. fused, 3-channel chaser-flasher. The speed is adjustable.

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 $1\frac{1}{4}$ " pins from brackets at top of 4" square uprights at front 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 front of trailer using $1\frac{1}{4}$ " by $6\frac{1}{2}$ " 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(2) $3\frac{3}{4}$ " by $5\frac{1}{2}$ " pins and R-keys at bottom of sign legs. Next, fold lights up and pin into position using L-shaped $3\frac{3}{8}$ " pins and R-keys inserted in light brackets.

Next, remove pins from rear bracket holding stanchions.

NOTE: do not allow stanchions to drag on trailer while raising.

After hooking up electrical power, turn main circuit breaker on and the circuit breaker for the hydraulic pump. Raise slide into position by use of the pump control valve and pin stanchions to bracket at top of 4" uprights at front of trailer, using $1\frac{1}{4}$ " by $3\frac{1}{4}$ " pins and R-keys.

(cont.)

Set up operation (cont.)

Cross the two 3/4" turnbuckles and pin to stanchions using two 5/8" by 3" galvanized pins and R-keys. Tighten turnbuckles evenly to take slack out of stanchions- just good and snug- DO NOT OVERTIGHTEN!! See (fig. 3).

Roll-out section:

Remove $\frac{1}{2}$ " U-bolt 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 it is advisable to place two pieces of plywood 1-2 feet wide and 8 feet long from approximately 14 feet to 22 feet behind trailer in line with dolly wheels.

Roll section back and down to ground until approximately one (1) foot at front 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 keep from rolling.

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) 3/4" by 2½" bolts, lockwashers, and nuts into the mating brackets facing inward from the two frameworks. Tighten bolts securely.

Bottom (ground) sections:

Line the longer (curved) section up to the roll-out section and pin together with two (2) 3/4" by 3" 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.

The last section just fits together with the previous section by use of two square pockets where they meet.

NOTE: It might be necessary to use some small blocking at this point to level these sections if they do not meet just right.

Slide steps: The slide steps are fitted to the slide stairway by use of a 7/8" by 17½" pin and R-key. The steps will need to be angled out away from the roll-out section somewhat to make the pin holes line up.

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

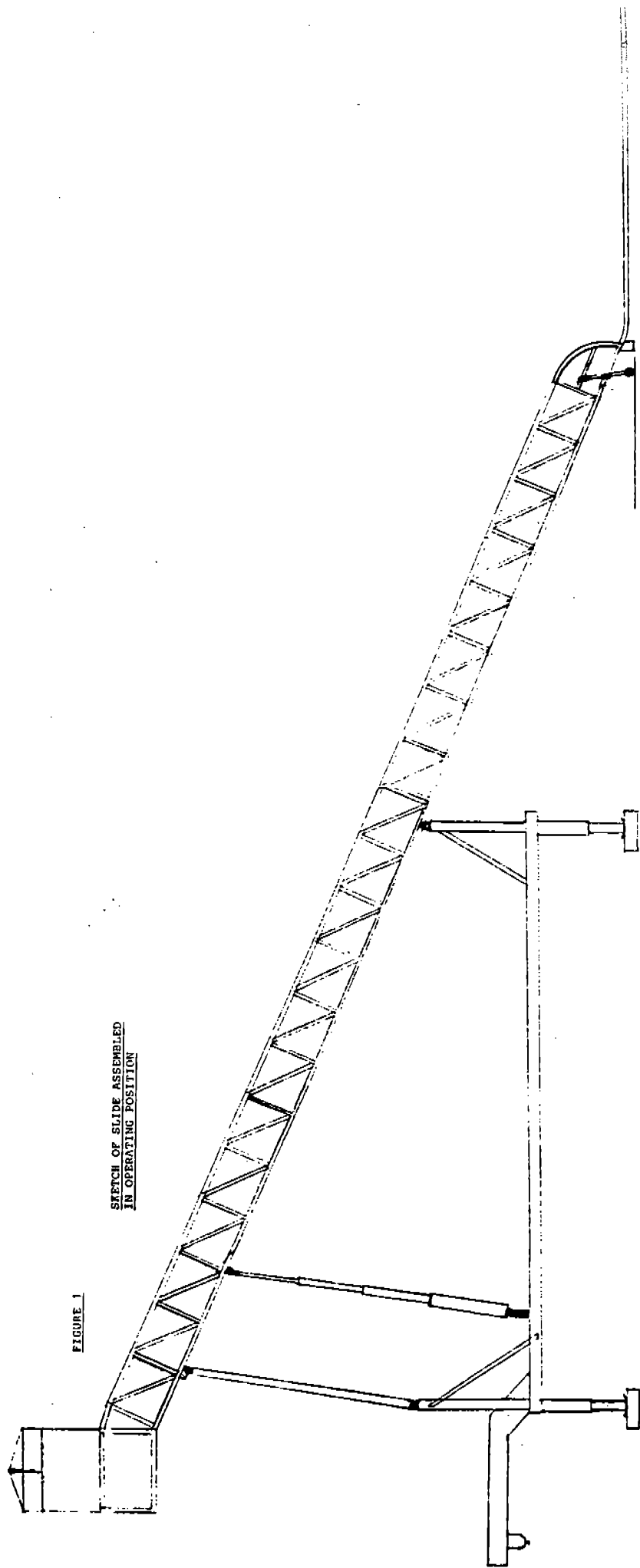


FIGURE 1

SKETCH OF SLIDE ASSEMBLED
IN OPERATING POSITION

FIGURE 2

SKETCH OF SLIDE RACKED
FOR TRANSPORTING

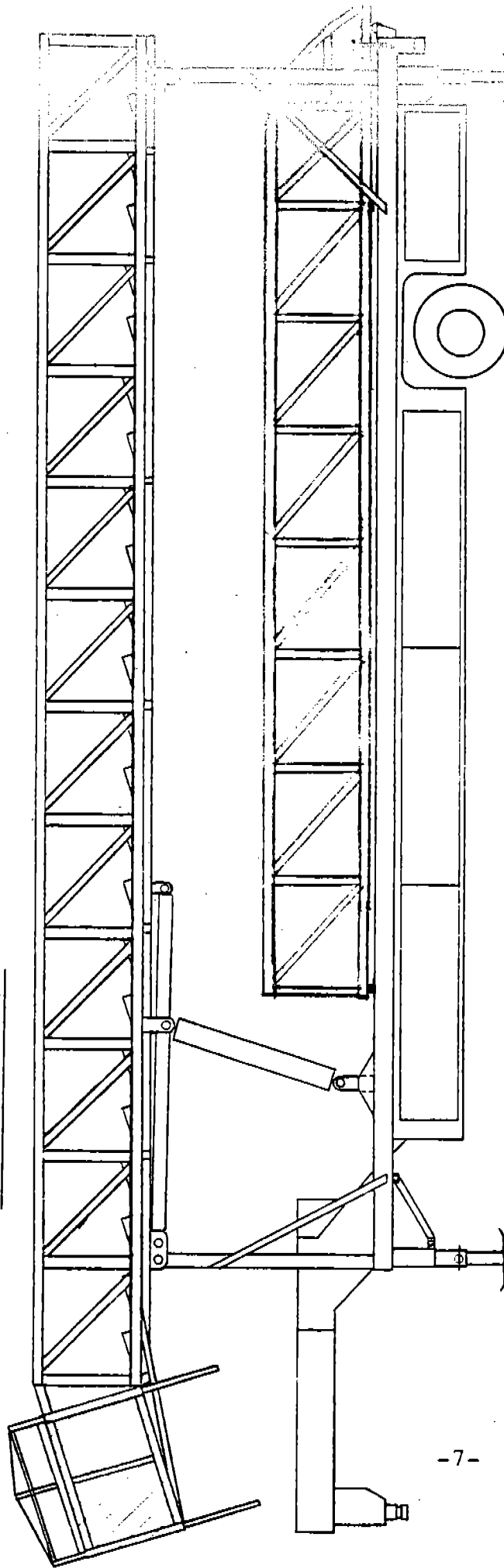


FIGURE 3

SKETCH OF FRONT OF
SLIDE ASSEMBLY

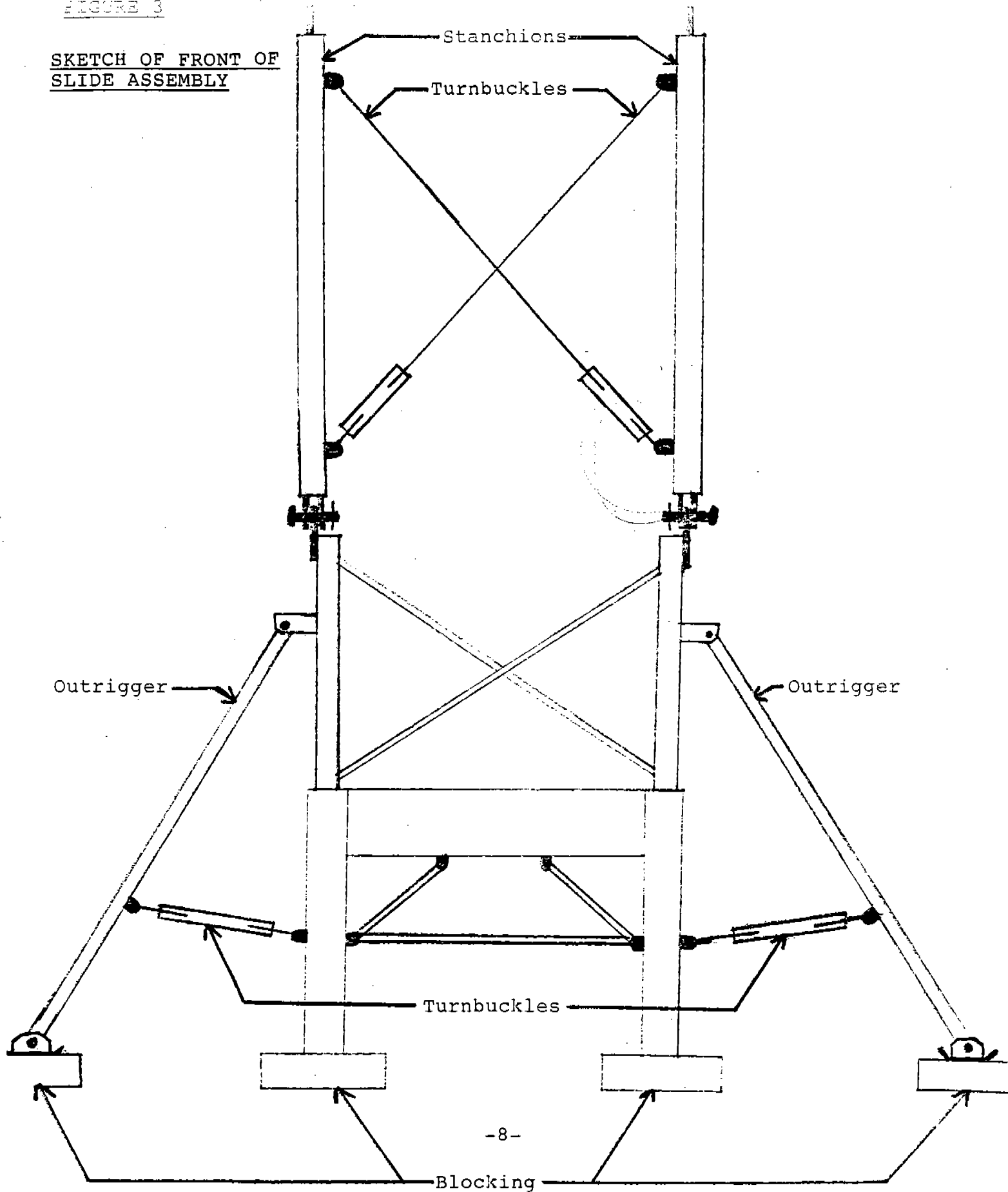


FIGURE 4

SKETCH OF ROLL-OUT SECTION
MATING WITH FRONT SECTION

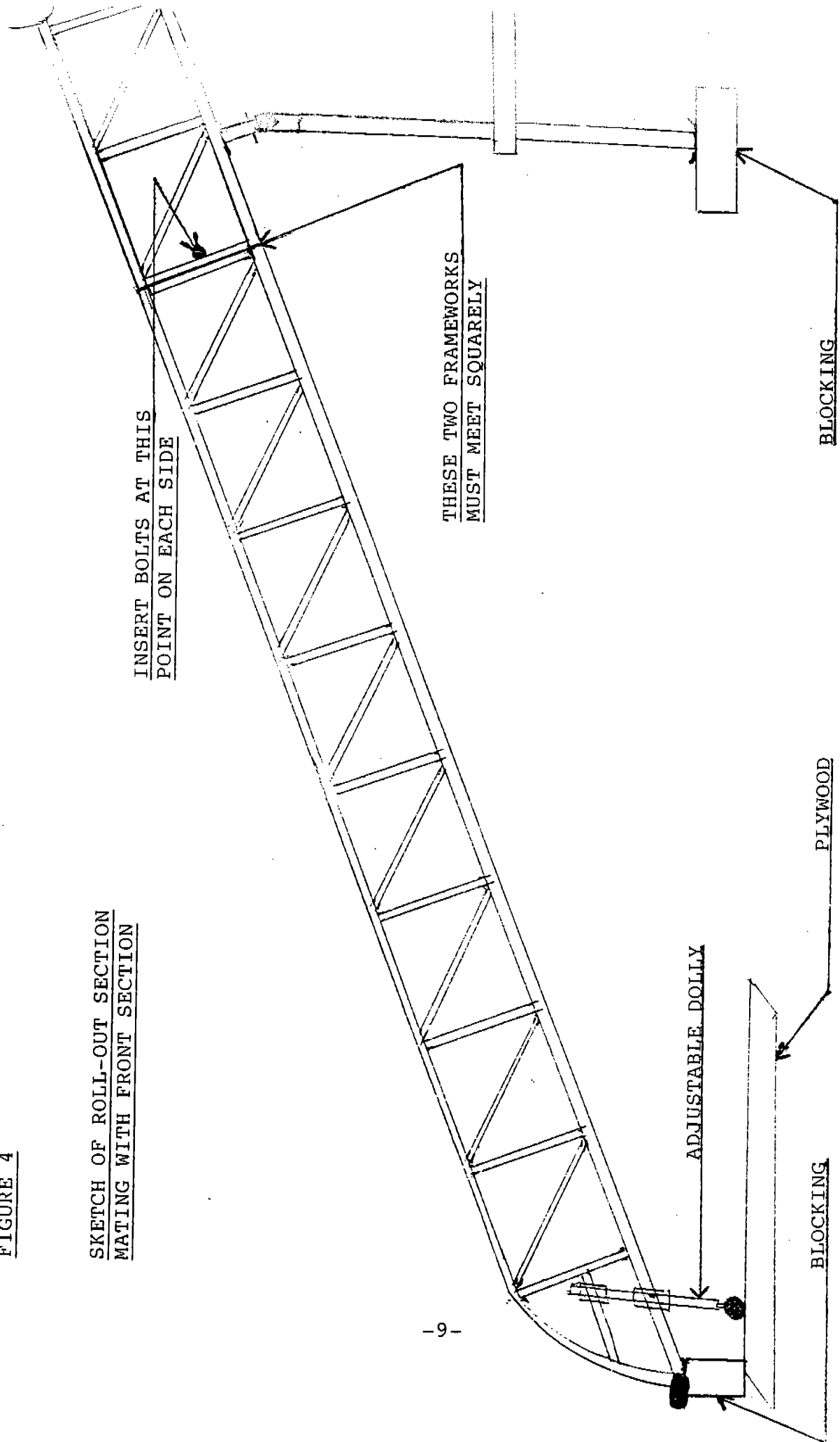
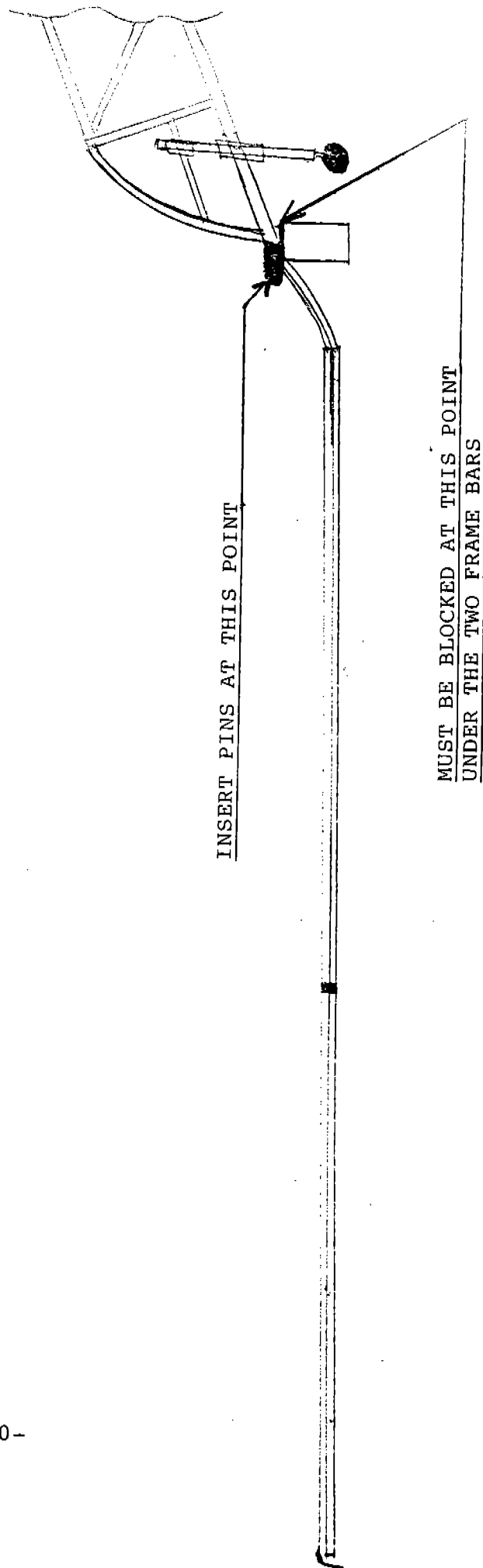


FIGURE 5

SKETCH OF GROUND SECTIONS AND
PROPER PLACEMENT OF BLOCKING

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OPERATIONAL PROCEDURES AND CHECK LIST

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.

Check list before operating Slide:

1. Pins and snap keys.....Daily
for condition and proper placement
2. Steps and handrails.....Daily
for condition and pins and 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 at all times, even during transportation.

OPERATION OF THE DRY SLIDE

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

- (a) One man on top of the Slide.

- 1) Regulate the flow of sliders so that there are no collisions at the bottom of the Slide.
- 2) Make sure that 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.

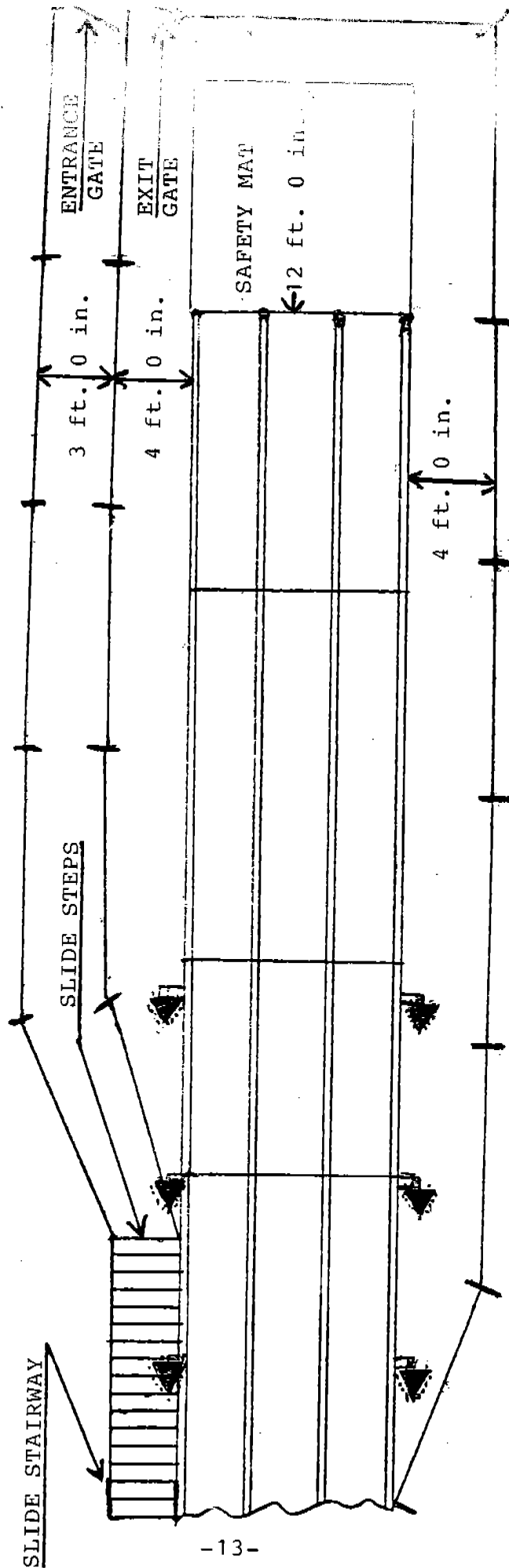
- 3) Very small children have a tendency to "fishtail" and shall slide with an adult.

- (b) One man at the bottom of the Slide.

- 1) Regulate the traffic up the steps.
- 2) Make sure people use 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