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## **Basics of Chain Link Fence Construction for Large Predators**

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We have been private owners of large predators for many years. After living in a rather extremely wet and moldy climate of Washington State, and now very dry Nevada, we gave up on the wooden cage posts to construct enclosures for our animals.

All our cages always were, and still are, constructed of metal posts and chain link material, which will hopefully assure a longer life for the animals' cages and habitats.

Our latest project was to add two 12 feet tall, 6 and 9 gauge chain link big cat cages, topped with V-arm barb wire. One cage was around 5000 square feet. Another cage is around 2000 square feet, attached to an existing 600 square foot cage. The sliding door operated from the outside will be eventually installed between these two cages.

We buy our material from a local chain link contractor who builds commercial and residential fences, but they also do retail sale of material to 'do it yourself' folks like us. Since tall heavy duty chain link is not the usual residential material, it often has to be special ordered, which can take few weeks, so plan ahead. While you are waiting for the delivery of the fencing, you can start preparing the soil.

This job was done mostly by one person, but in some cases, such as hanging heavy & bulky 6 gauge 12 feet tall fabric, 3 people were needed.



## SOIL PREPARATION

1. The soil around here in the Nevada desert is rocky, hard, dry, and has occasional ditches caused by heavy rains when the soil can't absorb all the water.

Mark the cage perimeter with paint or chalk.















20. We sometimes use screws to attach the V-bar wire arm to the top of the poles for extra security and strength, so plan at least one for each V-barb wire arm, and like with carriage bolts, have an extra box handy just in case. Also for extra security, gate latches might need a screw through them so they can't pivot on the pipes and allow the animals to kick the door open.
21. Plan 100-120 pound of concrete mix per each post hole, depending on the depth and width of your holes.
22. We bought a small plastic cement mixer from the hardware store (renting a cement mixer is also an option).
BULDING THE CAGE 23.A, B Electric concrete mixer helps with efficiency mixing the concrete.















Top hinge







45. With nice landscaping, you get the pleasing combination of botanical and zoological garden at your own backyard.

SAFETY DETAILS



For extra security, gate latches had a screw inserted through them, so they can't pivot on the pipes and allow the animals to kick the door open.



46. It is a good idea to have warning signs on your double entry and cage gates.



47. A, B If digging animals might be a problem, put chain link fabric at the bottom alongside the perimeter







On the left, regular quality 11 gauge chain link with smaller squares; on the right, economy version 11.5 gauge with bigger squares/holes. Copyright © REXANO 2009

## Over The counter Fencing

51. The over the counter chain link is OK for smaller cats or for roofs, but not good for big animals. It is usually 11.5 or 12 gauge, or so called economy grade. The squares are also bigger, 7x7 cm (2 3/4 inches), as opposed to 'non economy' fabric which is 6x6 centimeters (little over 2 1/4 inches). The bigger squares make the chain link rolls lighter and great for roof, use, but the bigger squares/holes make it easier for a kid to put their arm thru.

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