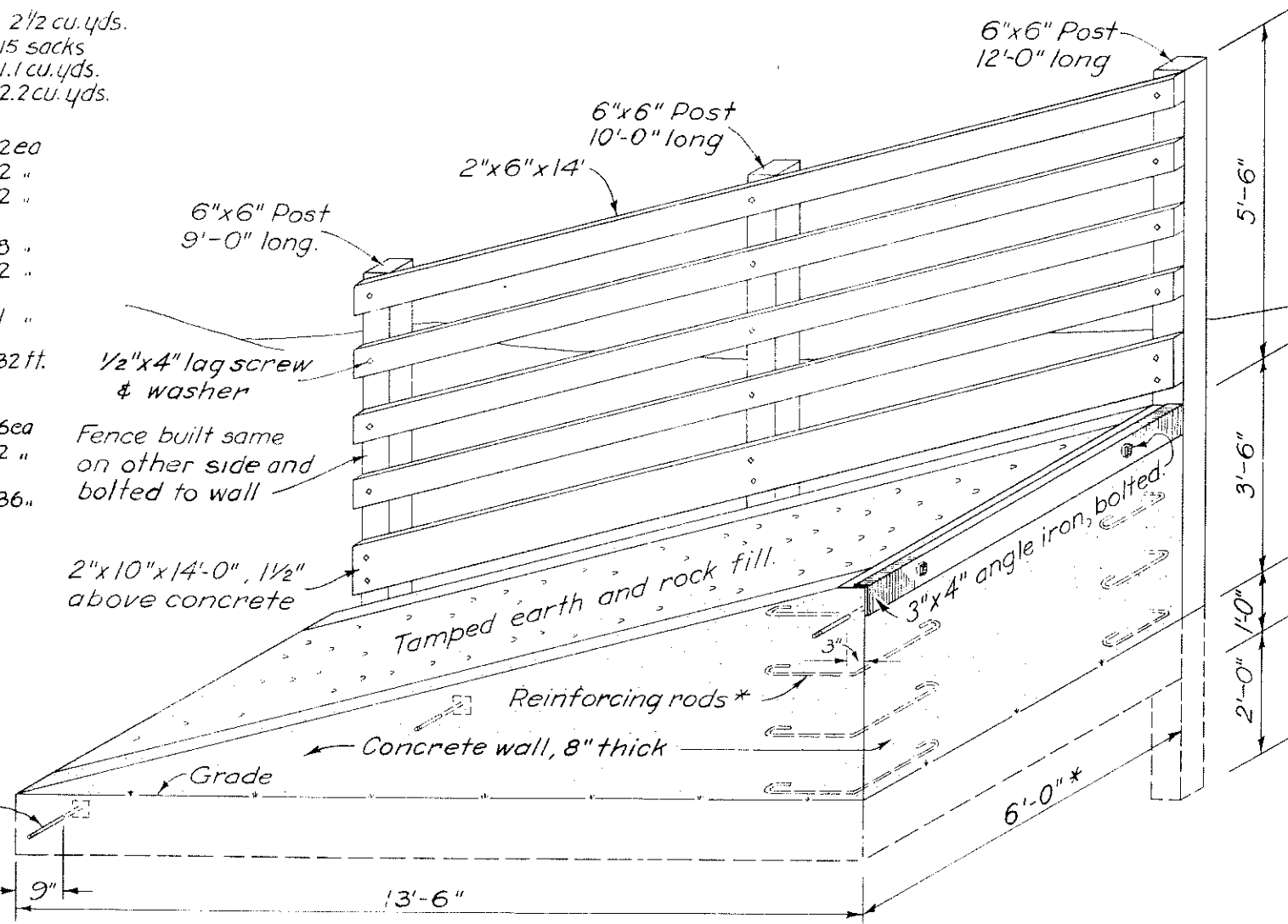


**BILL OF MATERIALS**

Concrete -1:2:4 mix	2 1/2 cu. yds.
cement	15 sacks
sand	1.1 cu. yds.
gravel	2.2 cu. yds.
<b>Posts</b>	
6"x6"x12'-0"	2 ea
6"x6"x10'-0"	2 "
6"x6"x9'-0"	2 "
<b>Rails</b>	
2"x6"x14'-0"	8 "
2"x10"x14'-0"	2 "
Steel angle	
4"x3"x1/2"x6'-0"	1 "
Steel reinforcing	
1/2" rods	32 ft.
steel anchor bolts	
5/8"x11" with 3"	
plate washers	6 ea
1/2"x4"	2 "
Lag screws	36 "
1/2"x4"	



*Posts creosoted, or otherwise treated, to height of the concrete.*

**ISOMETRIC VIEW OF LOADING RAMP**

Scale 1/2" = 1'-0"

*\* Make ramp 8'-0" wide if it is to be used for loading machinery, & reinforce corners with 1/2" φ rods 4'-0" long, 12" o.c.*