

# The Universal Goal

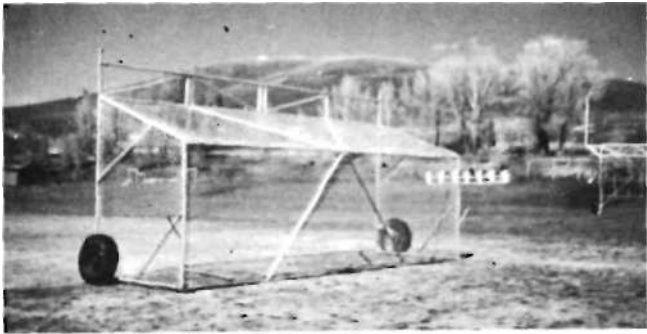
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The Universal Goal was designed and fabricated for the Physical Education Department. The main reason for having it built was because of the extremely high price of athletic equipment. Having a Universal goal that can perform several practical uses seemed to be well worth the time and cost of the materials for its development.

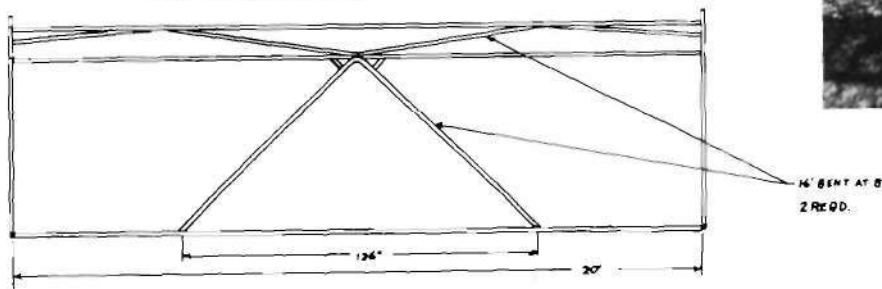
The Universal goal is manufactured with 1/2" and 1" black pipe. Black pipe was used instead of galvanized pipe or angle iron because it was felt that by bending the pipe it would add to the esthetic beauty and overall strength. The pipe was bent with a tube bender and all

joints were swaged and ground to a close fit to aid in the welding process, because when joints aren't tightly fitted the pipe has gaps that are hard to fill.

The sides and front bridging were cut, fit and welded first. This aids the construction because most of the welds can be adequately performed "in position". The crossrails and support V's are added, then the handrails and the hook in the back for transportation: being pulled by a tractor. Add the wheels, and the main structure is completed. After putting on hurricane wire and paint your Universal Goal is completed.



ALL JOINTS CUT & SWAGED TO FIT  
 WELDED WITH 7018 & 6011 ROD



3/10/74		
NO	PART NAME	REQD MATERIAL
1	1/2" X 20' PIPE	10 BLK PIPE
2	1" X 20' PIPE	4 "
3	5/8" X 10' ROD	1 CR
4	WHEELS & HUBS	2

