

"Statistics From Survey of Seven Recently Constructed 18 Hole Golf Course Maintenance Shops In The Greater Chicago Area"*

by **Oscar L. Miles**
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*Golf Course Superintendents participating:
 Mr. Paul Voykin, Briarwood Country Club
 Mr. Robert Williams, Bob O'Link Golf Club
 Mr. Jerry Cheesman, Park Ridge Country Club
 Mr. Frank Dinelli, Northmoor Country Club
 Mr. Edward Duehr, Midlothian Country Club
 Mr. Bruce Sering, Evanston Country Club
 Mr. Oscar Miles, Olympia Fields Country Club

Item Description	Steel (Average)	(Average) Block and Brick	Minimum Recommendation
Equipment & Fertilizer Storage Area	6149 sq. ft.	3914 sq. ft.	6000 sq. ft.
Mechanical Repair Shop	1806 sq. ft.	1033 sq. ft.	1350 sq. ft.
Locker or Lunch Room	233 sq. ft.	293 sq. ft.	300 sq. ft.
Restroom	82 sq. ft.	113 sq. ft.	100 sq. ft.
Superintendents Office	203 sq. ft.	260 sq. ft.	300 sq. ft.
Steam Cleaning & Paint Room	229 sq. ft.	2 reporting	300 sq. ft.
Fireproof Oil & Grease Room		45 sq. ft.	1 reporting 100 sq. ft.
Total Floor Space	8705 sq. ft.	5613 sq. ft.	8400 sq. ft.
Other Important Information:			
Outside Vehicle Parking Area	5595 sq. ft.	5160 sq. ft.	
Type of Insulation in Heated Areas	3" Fiberglass Rolls	Blown Fiberglass on Ceiling	
Spec's of Concrete Slab	4" - 6" Reinforced on sand fill	4" - 6" reinforced on sand or gravel fill	
Exit Door Size	12' x 10' & 12' x 14'	same	12' x 14' Overhead
Number of Exit Doors	4 - 8	4 - 6	6
Type of Heating System	3 with forced air, one with hot water radiant heat from floor, 1 also had office & locker room electrically heated	3 with forced air	
BTU Output of Heating Units	88000-125000	100,000 - 200,000	
Average Total Cost	\$6.40 per c. ft.	\$8.43 per sq. ft.	

THE INTRINSIC EVIL OF SOMETHING FOR NOTHING

The above, as many of our readers know, was the title of a subject ably covered by Charlie Wilson of the Sewerage Commission at the Midwest Regional Turf Conference, as an agenda we offer the following timely article on "free-engineering".

The National Society of Professional Engineers opposes the providing of engineering services in any manner which makes it appear as though engineering is being done on a gratis basis, or with the implication that there are no engineering costs.

"Free Engineering", the practice of concealing charges for providing engineering services or feasibility studies incidental to the furnishing of materials, equipment, service facilities and/or construction, (beyond the normal supplying of technical assistance and application data), is not to the best interest of the Owner because this practice tends to restrict competitive bidding and may result in the inclusion of materials, equipment, service facilities, and/or construction not best suited to the project, it encourages conditions under which engineering services may not be complete, objective, or to the Owner's best interest, and deprives the Owner of direct control and full benefit of engineering services for which he pays.

The National Society of Professional Engineers believes that the Owner's and public's interest is best served by a full disclosure of the total costs of pro-

viding service, and that when engineering services are provided in any form, other than the furnishing of technical data by manufacturers and agents only as required for the proper application of their equipment or products, the charge for such engineering services should be separately proposed and invoiced by the party providing such engineering services. An appropriate charge should be made when engineering services are performed whether the project is constructed or not.

C. E. (Scotty) Stewart

If you give a person bread he has enough to eat for a day.

If you teach him a trade he may have bread for a lifetime.

Is America's abundance made possible by her democracy, or is her democracy made possible by her abundance?