

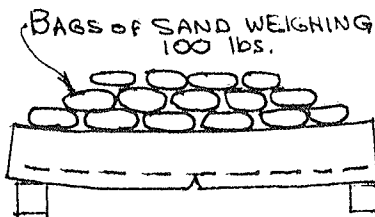
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TESTING PRECAST CONCRETE PRODUCTS

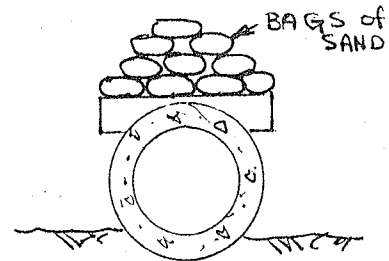
Problem: WHAT KINDS OF TESTING DO PRECASTERS ENCOUNTER?

I. Experimental Testing

- A. New Products - As the public becomes more relaxed with the use of precast concrete products, engineers and architects develop new ideas, which result in new products. Sometimes, engineering formulas do not apply and the only way to determine if a product will withstand design loads is to make a prototype and apply the loads.



TESTING SLAB OR BEAM

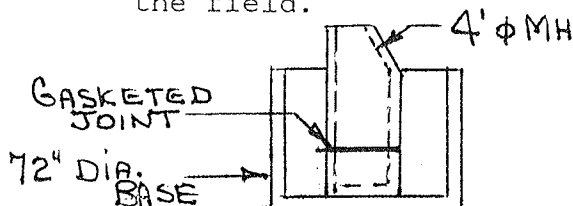


TESTING ROUND PIPE
IN 1920'S

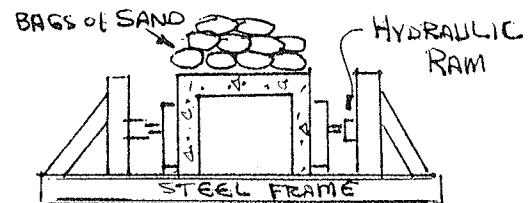
- B. Existing Products - Occasionally a failure will occur with products that have been made the "same way for years". The only way to determine what happened would be to try to recreate the failure under controlled and measured experimental testing.

II. Performance Testing

- A. In Plant - Some specifications require that a prototype of the product be tested to demonstrate strength or water tightness. This test can be performed at the precast producers plant. It is a form of performance testing because it can indicate how the product will perform after it is installed in the field.



TESTING GASKET
AT JOINT



TESTING RECTANGULAR
BOX