
Issued
November 1977

Supplement 1
to
API Spec 2E (First Edition)
Specification
for
DRILLING RIG PACKAGING
for
MINIMUM SELF-CONTAINED
PLATFORMS

Foreword

This supplement covers the addition of package arrangement on a 95 x 88 ft. platform to API Spec 2E (First Edition, May 1973), adopted at the 1977 Standardization Conference.

Issued by
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API Spec 2E
First Edition
May 1973

API
SPECIFICATION
for
DRILLING RIG PACKAGING
for
MINIMUM SELF-CONTAINED
PLATFORMS

OFFICIAL PUBLICATION



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Washington, D. C.

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Users of this publication should become completely familiar with its scope and content, including any provisions it may have regarding marking of manufactured products. This document is intended to supplement rather than replace individual engineering judgment.

SECTION 3 MODULAR WEIGHTS

3.1 The Maximum module lifting weight shall not exceed 350 tons.

3.2 Each module shall be designed to support its combined fixed weight and maximum anticipated variable weight in accordance with Par. 2.4 and 2.5.

SECTION 4 MARKING

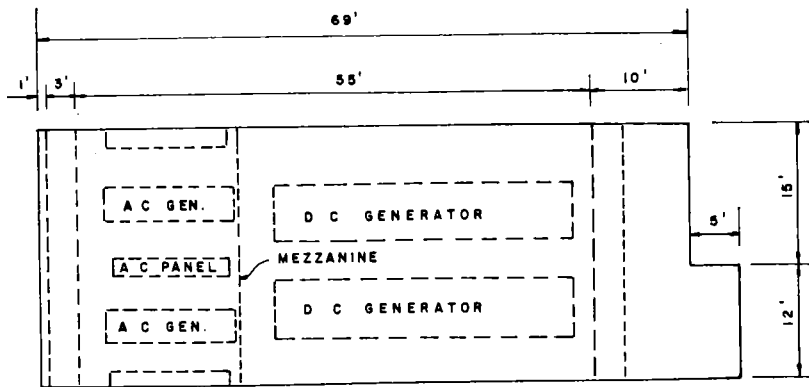
4.1 Name plate for modules. Modules manufactured in accordance with this specification shall be identified by a name plate bearing the information specified below. Markings shall be either raised or stamped. The API monogram shall be at least $\frac{1}{2}$ inch high; other markings shall be at least $\frac{1}{4}$ in. high. The name plate shall be securely attached to the module in a conspicuous place.

- a. Manufacturer's name.
- b. Manufacturer's address.

- c. API monogram.
- d. Module designation (i. e. engine package, etc.)*
- e. Module dimensions, feet.
- f. Maximum rated self supported span, feet.
- g. Designed gross weight tons.

* Operator furnished information

** Contractor furnished information



PLAN

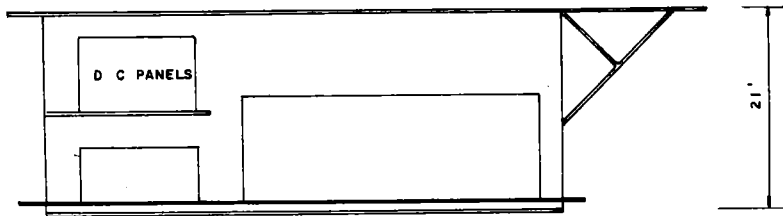
Major equipment used to establish dimensions*

- 2—2,200 HP DC electric power units
- 2—500 KW diesel power AC electric generator units

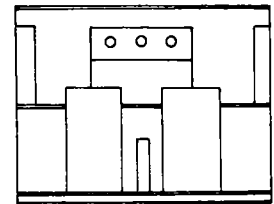
Estimated lift weight of package = 300 tons

In each arrangement shown in Fig. 5.1 thru 3.7 the two 1,230 cu ft P-tanks for cement are located on the engine generator packages. Necessary support members must be included in the design of this module to carry the additional load.

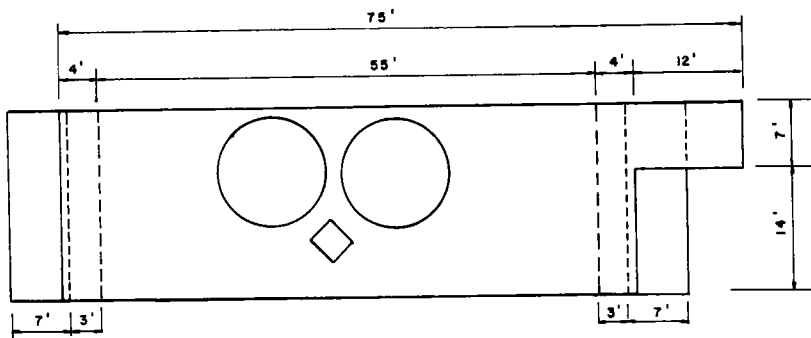
*Note: The size of equipment displayed is to provide a frame of reference for equipment that will fit into the space available. It does not constitute a recommended size for drilling machinery.



SIDE ELEVATION



END ELEVATION

FIG 2.1
ENGINE GENERATOR PACKAGE

PLAN

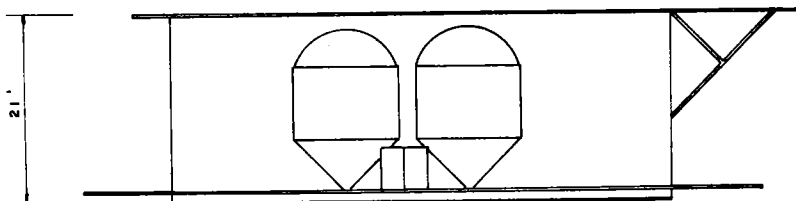
Major equipment used to establish dimensions*

- 2—1,000 cu ft P-tanks for dry barite
- Estimated lift weight of package = 175 tons

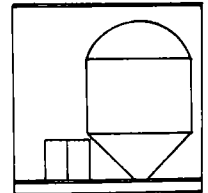
*Note: The size of equipment displayed is to provide a frame of reference for equipment that will fit into the space available. It does not constitute a recommended size for drilling machinery.

Removable Cantilever
Extensions

Cantilever For Offloading
Mud Pallets

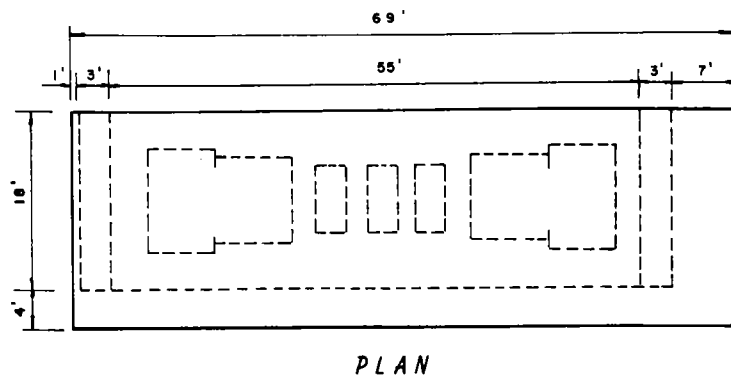


SIDE ELEVATION



END ELEVATION

FIG 2.2
DRY STORAGE PACKAGE



Major equipment used to establish dimensions*

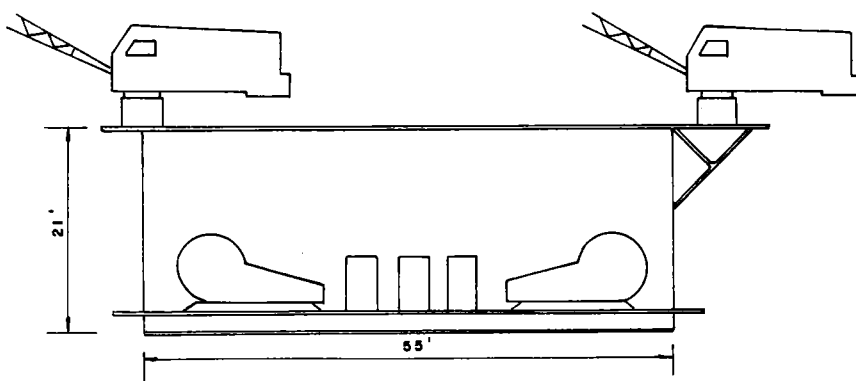
2—1,300 HP triplex mud pumps powered by electric motors

3—60 HP mud mix and charge pumps

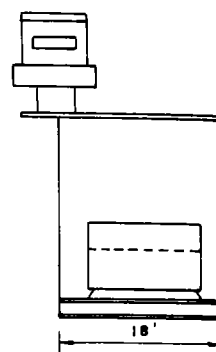
Estimated lift weight of package = 350 tons (includes crane weights)

Cranes shall comply with API Spec 2C.

*Note: The size of equipment displayed is to provide a frame of reference for equipment that will fit into the space available. It does not constitute a recommended size for drilling machinery.

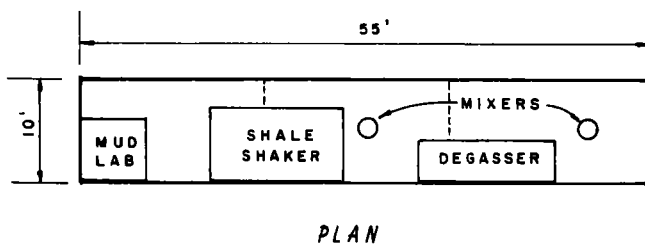


SIDE ELEVATION



END ELEVATION

**FIG 2.3
PUMP PACKAGE**

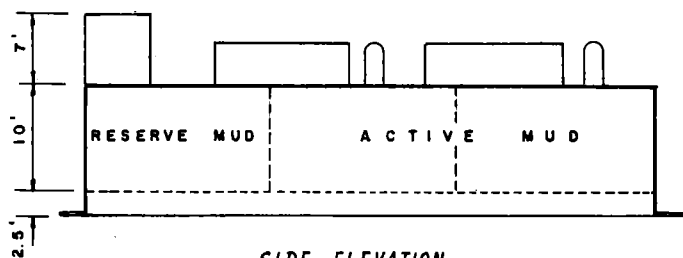


Volume: 2—300 bbl active mud tanks
1—300 bbl reserve tanks

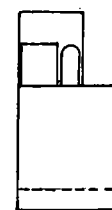
Estimated lift weight = 100 tons

Mud processing and lab equipment mounted on top of tanks.

Tanks may be compartmented to accommodate different volumes needed for flexibility.

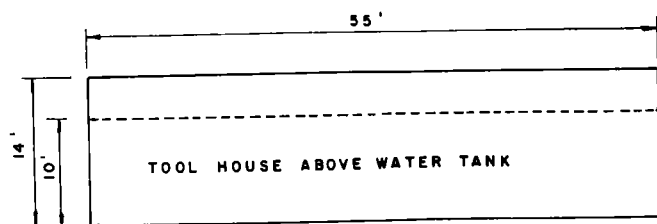


SIDE ELEVATION



END ELEVATION

**FIG 2.4
ACTIVE MUD SYSTEM PACKAGE**



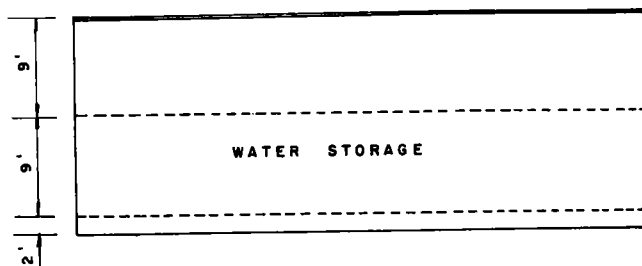
PLAN

Volume: 1200 bbl capacity compartmented water tank for potable, drilling, and cooling water.

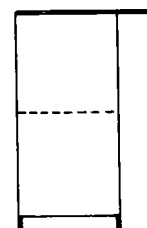
Estimated lift weight = 75 tons

Tool house located above water tank.

Tanks may be compartmented to accommodate different volumes needed for flexibility.



SIDE ELEVATION



END ELEVATION

FIG 2.5
DRILLING, COOLING & POTABLE WATER

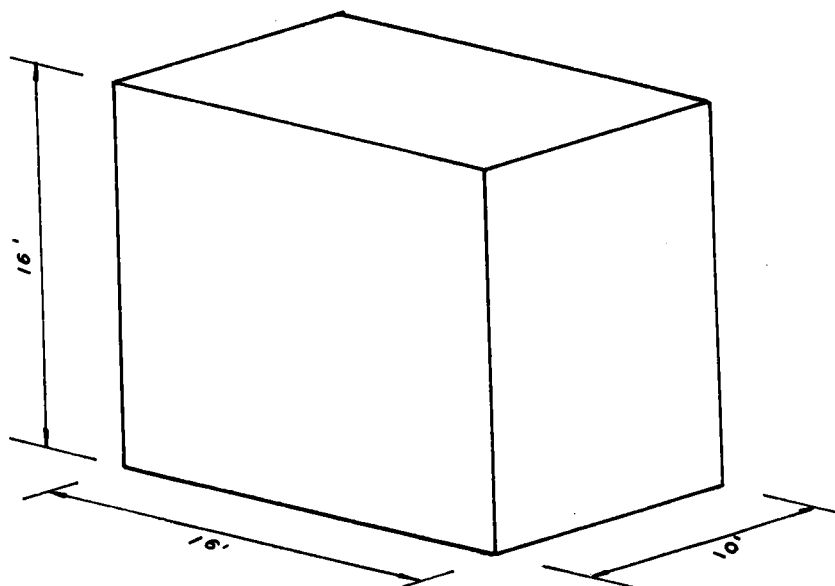


FIG 2.6
FUEL TANK

Volume: 450 bbl

Estimated lift weight = 20 tons

Designed to stand or lie flat on cellar deck as need arises.

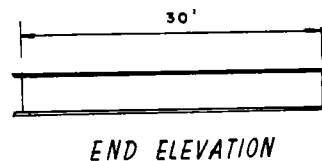
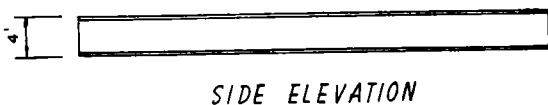
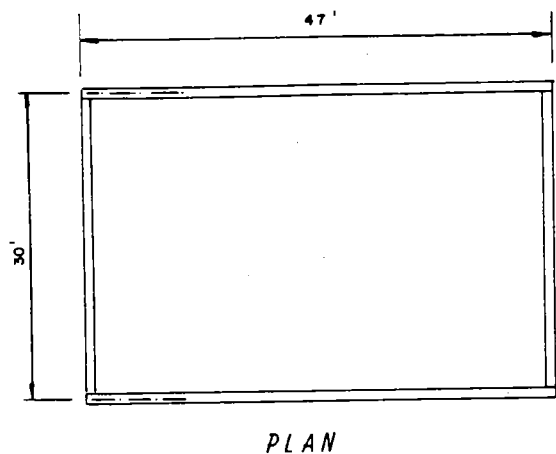
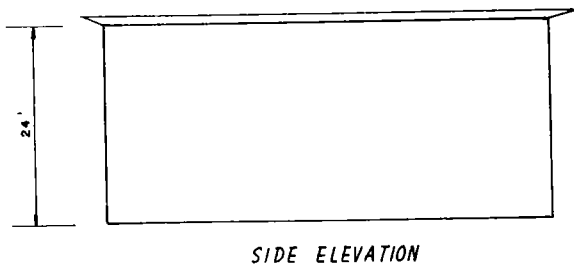
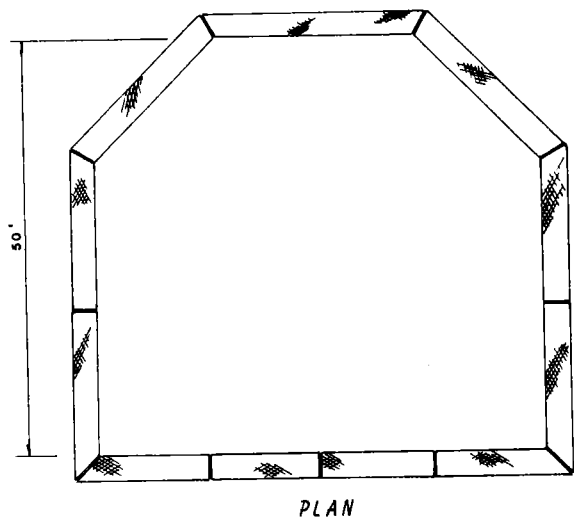


FIG 2.7
SKID FRAME

Skid frame may be boxed to provide for additional liquid storage at Drilling Contractor option.

Sufficient bottom skid flange bearing width should be provided so as to preclude the need for special web stiffeners on the platform members supporting the skid frame.
Frame is illustrated without intermediate bracing.
Estimated lift weight = 75 tons



Estimated lift weight = 350 tons

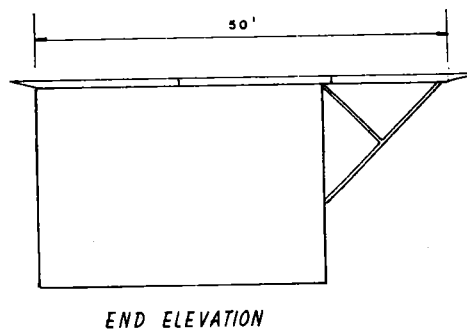


FIG 2.8
QUARTERS WITH HELIPORT