

RIG 651

112'x12' PYRAMID MAST (API CERTIFIED)
350,000 LBS. GROSS NOMINAL CAPACITY
RACK DOUBLES:
RATED: 15,000 2 7/8" DRILL PIPE

200 TON BLOCK

1 1/8" DRILL LINE

TWIN BEAM SUBSTRUCTURE

200 BBL. SHAKER PROCESSING SYSTEM

HYDRAULIC LIFT & ROLL
V-DOOR PIPE RAMP

200 BBL. VOLUME/MIXING TANK

V-DOOR

PLATFORM SKID BEAMS (TYP.)

DETROIT 700 KW GENERATOR
STACKED ON
DETROIT 700 KW GENERATOR

HYDRAULIC LIFT & ROLL

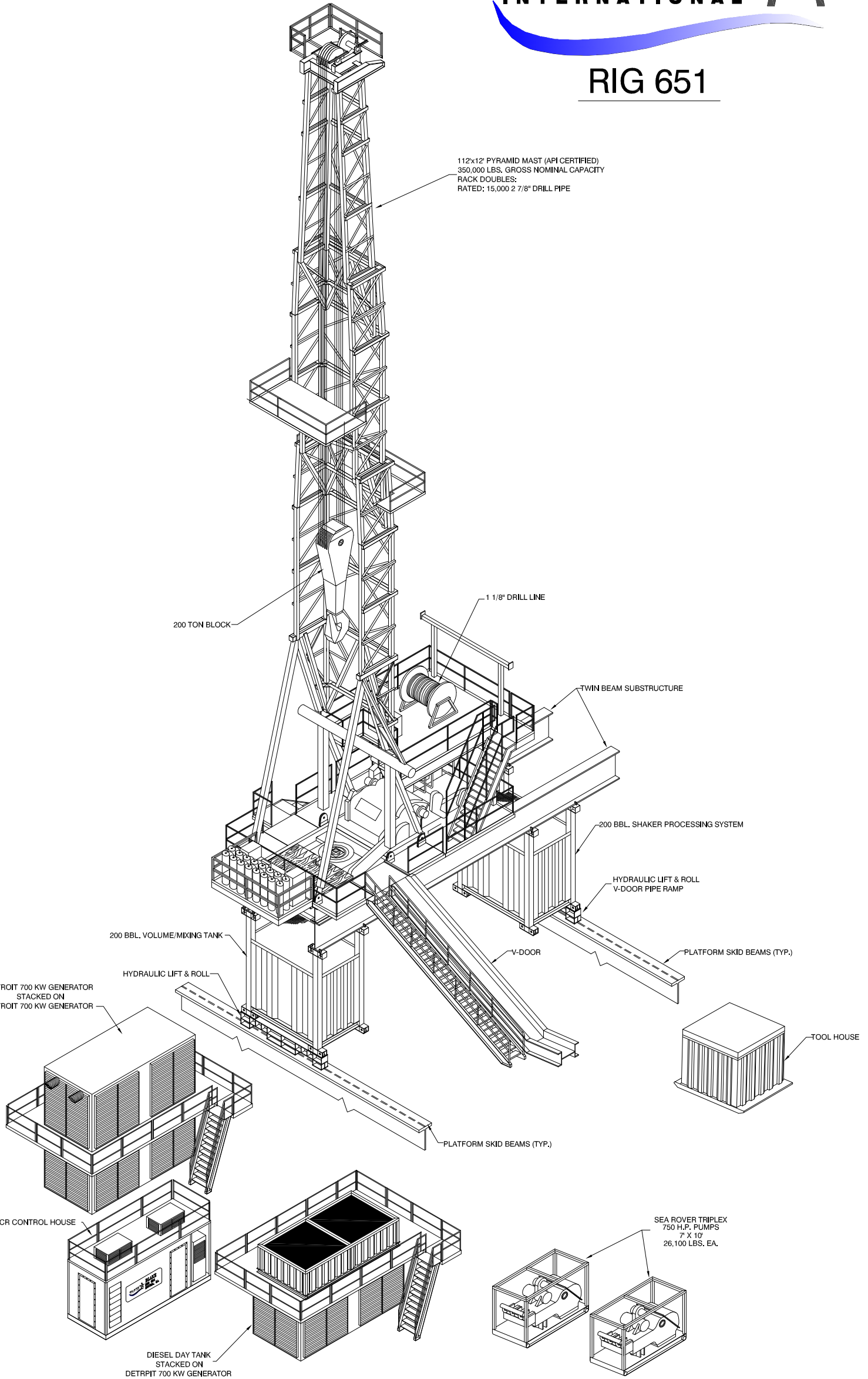
PLATFORM SKID BEAMS (TYP.)

TOOL HOUSE

SCR CONTROL HOUSE

SEA ROVER TRIPLEX
750 H.P. PUMPS
7' X 10'
26,100 LBS. EA.

DIESEL DAY TANK
STACKED ON
DETROIT 700 KW GENERATOR





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BASIC EQUIPMENT INVENTORY

Mast and Superstructure

Assembly:

1. Pyramid 115' "free standing" doubles mast with a static hook load of 350,000 pounds with 8 lines to the traveling block.
2. One (1) racking board with a capacity of 235 (double) stands of 2-7/8" diameter drill pipe.
3. Two (2) Hydrocat (hyd. cylinder) mounted in derrick for tongs.

Master Skid and Substructure:

1. Mast and drawworks skid, 32' - 6" x 20' to accommodate:
 - a. Drawworks and motor / transmission skids. (No catloads)
 - b. 200,000 setback pad.
 - c. 160 gal. accumulator unit. (Split unit mounted in wing basket)
 - d. 17-1/2" rotary table.
 - e. Choke manifold with 20" O.D. unitized gas buster.
 - f. 30 KIP BOP trolley system.
 - g. Hydraulic drill line spooler unit.
 - h. Rig air system.
 - i. Drawworks shelter containing hydraulic drill line spooler, dual air compressors, integral storage for hydromatic brake water and heat exchanger water.
 - j. Unitized drip pan system below entire skid.
 - k. Hydraulic power unit & stairs (mounted in wing basket)
2. Two (2) girder strongback beams to support the master skid.
3. Two 200 Bbl. substructure support tanks designed to support the master skid unit with a combined hookload of 350K and 200 KIP setback load. Each tank also serves as a mud tank complete with hopper, centrifugal pump and agitators
4. Catwalk with 16" X 16" mud ditch (equalizer)

Drawworks and Prime

Mover Assembly:

1. 650 h.p. Gardner Denver single drawworks.
2. One (1) GE-752 electric motor and National D1000 2-speed transmission.

Rotary Table and

Associated Equipment:

1. Gardner-Denver Model RT-17½" rotary table. Rated 300-tons dead weight capacity, 150-ton capacity at 100 RPM. (Rated 12,500 ft./lbs. @ 50 RPM).



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2. Gardner-Denver Model SW-125 Swivel, 144-ton dead load capacity complete with 4-1/2" API regular by 2-7/8" IF crossover sub, 72-ton capacity at 100 RPM.
3. Kelly joint, 3-1/2" square x 40' long 4-1/2" API regular box up by 2-7/8" IF pin down and upper kelly cock.
4. Baash Ross Roller type kelly drive bushing with roller for 3-1/2" square kelly.
5. Rotary hose, 2-1/4", I.D. x 55' long with built-in connections.

Travel and Associated Equipment:

1. Gardner Denver, 250-ton Block with five (5) 30" diameter fabricated steel sheaves, grooved for 1-1/8" wireline. Equipped with a Gardner Denver 250 ton capacity hydra hook.
2. One (1) set BJ type "C" tongs for 2-3/8" and 2-7/8" tubing & 3 1/2" IF drill pipe.
3. BJ air operated tubing spider complete with slips for 2-3/8" and 2-7/8" tubing and hand slips for 3 1/2" IF drill pipe.
4. YT elevators. Rated capacity 75-tons. 2-3/8" and 2-7/8" tubing.
5. One (1) set Byron Jackson 2-3/4" x 108" weldless links, rated capacity 150-tons.
6. Spinner Hawk

Well Service Pump Units:

1. Two (2) electric Searover pumps 750 HP powered by GE- 752 electric motors

Blowout Preventer Stack:

1. One (1) Hydril GK, 11" 5,000 PSI working pressure annular preventer.
2. One (1) 11" Cameron Type "U" double, 10,000 lb. working pressure with 11" 10,000 lb. working pressure flanges top and bottom, with one (1) 4-1/16" and 2-1/16" 10,000 lb. working pressure flange outlets between rams.
3. One (1) 11" Cameron type "U" single ram type preventer, 10,000 lb. working pressure with one (1) 2" 10,000 lb. working pressure flange outlet.
4. One (1) set of blind shear rams and two (2) sets each of 2-3/8" and 2-7/8" pipe rams.
5. 11" Series 1500 Bell Nipple.
6. Two (2) 4-1/16" Cameron HCR valves rated at 10,000 PSI working pressure.



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7. Two (2) 4-1/16" Cameron type "F" manual valves, rated 10,000 PSI working pressure.

Blowout Preventer Closing Unit:

1. Skid mounted blowout preventer closing unit consisting of 160 gallon 3,000 PSI accumulator and manifold consisting of six (6) stations complete with remote control station. Air and electric power sources.
2. BOP actuating lines between closing system and BOP stack.

Choke Manifold:

1. Skid mounted 10,000 PSI working pressure choke.
2. 200' chokes and lines (10,000 PSI working pressure).
3. 20" O. D. gas buster

Tankage (400 Bbl. Surface Volume):

1. Two (2) 200 Bbl. tanks consisting of the following:
 - a. 28 bbl. sand trap.
 - b. Shale Shaker.
 - c. 123 bbl. reserve pit with electric agitator.
 - d. 145 bbl. active tank with electric agitator.
2. Two (2) 32 bbl slug tanks.
3. Additional 142 Bbl. tanks are available if needed and will be charged at current published rental rates.

Electrical System:

1. Three (3) generators 825KW, 600 Volts and one (1) 10' x 20' generator house IPS Model 1000, daytank and quarters panel.
2. Rig package MCC panel located on rear of master skid containing individual breakers and starters for 480 volt motors. Panel is purged with compressed air.
3. Quarters package MCC panel, located on the platform deck near the living quarters, containing individual breakers and starters for the quarters and accessory equipment.

Accessory Rig Equipment:

1. Quarters: Accommodations for 40 Men.
 - 2 - 12' x 33' 18 Man Sleepers.
 - 1 - 12' x 33' 4 Man Sleeper/Office Company Man.
 - 1 - 12' x 33' Galley.
2. Five (5) station gaitronics communication system.
3. Air compressor for standard rig equipment.
4. One (1) 142 bbl. diesel tank and transfer pump.



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5. One (1) 142 bbl. potable water tank and transfer pump.
6. One (1) sewage unit.
7. One (1) 10 hp. Reda submersible pump including one (1) standby pump.
8. Standard safety and hand held fire fighting equipment.
9. Two 25 man each inflatable Life floats and jackets for 50 men accommodations.
10. Gas detector and fire alarms. (All labor for calibration and replacement of gas detector elements will be at the expense of the operator.)
11. One (1) 50-Ton Bullfrog Crane. (Mob & Demob only)
12. 140 Bbl. sump tank



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EQUIPMENT TO BE

FURNISHED BY OPERATOR:

1. Offshore workover permits.
2. Workover site cleared of obstructions.
3. Marine and air transportation for equipment and supplies to platform within the field as necessary.
4. All marine and air transportation of Contractor's and Operator's Items and personnel between Operator's shore base and rig for crew change, safety personnel and operations personnel.
5. Fuel, rig water and bottled drinking water.
6. Weather forecasting and hurricane evacuation plan.
7. All electrical well logging services and unit rental, including string shot and back-off equipment (but Contractor to provide suitable space for installation of well logging unit) per the rig arrangement drawing.
8. All third party services including extra labor beyond Contractor labor schedule as previously stated (including third party for platform modifications, crane rig-up and MOB/DEMOB)
9. Cement, mud and additives.
10. Wellhead connections, if necessary, to permit rig operations on operating deck.
11. Flanged connection from Customer's tree or wellhead to 11" series 1500 flange.
12. Field welder and equipment when required (including third party for platform modifications, crane rig-up and MOB/DEMOB).
13. Operator will allow Toolpusher to phone in hot shot reports daily and the use of a FAX machine.
14. Expendable BOP replacements and ring gaskets after initial set.
15. Ring gaskets and handling tool inserts (Operator will furnish or reimburse Contractor after initial sets).
16. All third party equipment, services and supplies furnished by Blake International at the request of Operator will be invoiced to Operator at third party published rates plus 10%.
17. Blake International rental equipment will be charged at the published or negotiated price in the contract. If this equipment is down for repairs, this does not go against the



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stated downtime for the rig and shall be treated as any other third party rental equipment on the rig. Repairs for Blake International rental equipment will be invoiced to the operator at third party rates.

18. Casing, tubing and attachments.
19. Any drill pipe, and drill collars, Kellys or subs in addition to those not furnished by Contractor.
20. Stabilizers, hole openers, reamers and centralizers.
21. Shale shaker screens (over 120).
22. Well test unit and associated equipment for production testing.
23. Loading and unloading services at dock site or heliport of all material and equipment of Contractor and Operator.
24. Containers for disposal of refuse and cuttings to transport from offshore location to dock and disposal at dock site.
25. Casing thread dope, thread lock, etc. for Operator's tubulars.
26. Operator to provide pipe wipers.
27. Gaitronics communication system in excess of five (5).
28. PVT equipment.