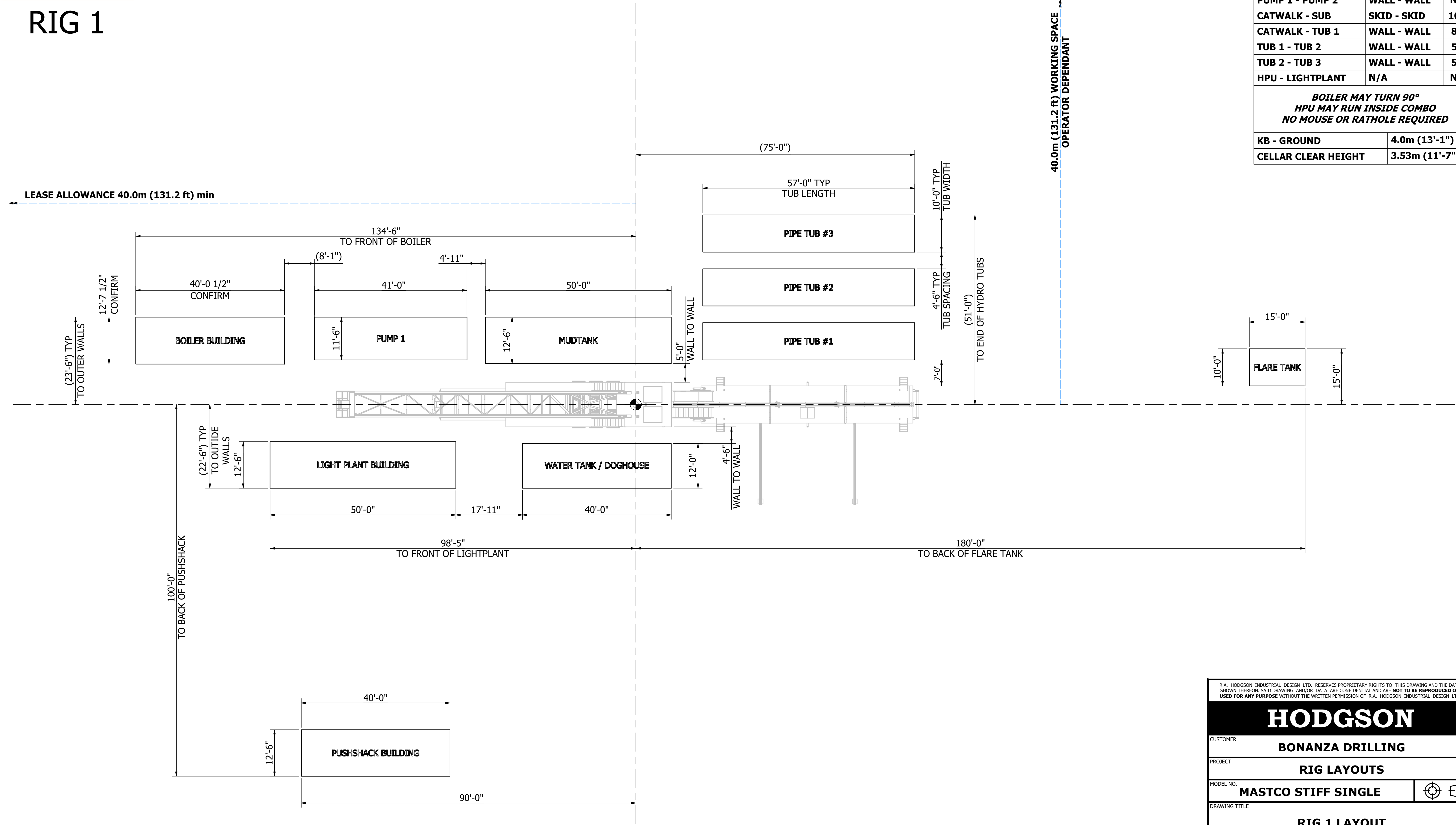




RIG 1



SPOTTING DISTANCES		
DOGHOUSE - SUB	WALL - WALL	54"
MUDTANK - SUB	WALL - WALL	60"
DOGHOUSE - COMBO	WALL - WALL	215"
MUDTANK - PUMP 1	SKID - SKID	59"
PUMP 1 - PUMP 2	WALL - WALL	N/A
CATWALK - SUB	SKID - SKID	107"
CATWALK - TUB 1	WALL - WALL	84"
TUB 1 - TUB 2	WALL - WALL	54"
TUB 2 - TUB 3	WALL - WALL	54"
HPU - LIGHTPLANT	N/A	N/A
BOILER MAY TURN 90° HPU MAY RUN INSIDE COMBO NO MOUSE OR RATHOLE REQUIRED		
KB - GROUND	4.0m (13'-1")	
CELLAR CLEAR HEIGHT	3.53m (11'-7")	



Rig 1

Inventory Listing

3,000m / 10,000' Vertical

14 Loads - Summer

15 Loads - Winter

Draw works:	TSM 850 , Powered by 1 - Detroit Series 60 (14L) 630hp, w/6 speed Allison transmission. Auxiliary braking by Eaton 324-disc brake.
Mud Pump:	1 - F1000 triplex pump, powered by 1 - Detroit Series 2000, w/XDR Pacific-Rim hydraulic clutch. Rated for 35,000 kPa / 5000 psi. Second F1000 Pump available
Carrier-Substructure:	Mastco Carrier with 24-wheel tridem axle hydraulic, self-leveling trailer-substructure. 133,000 daN / 300,000 lbs Max Rotary Capacity. 133,000 daN / 300,000 lbs Max Setback Capacity. KB-Ground 4.0m (13'1"). Cellar Clear Height 3.53m (11'7"). 8 Wheel Booster included when required
Mast:	Mascto Range 3 Elite Stiff Mast - hydraulically raising (Max static hook load 133,000 daN / 300,000 lbs - 8 lines)
Top Drive:	FDS 1514 Split Block Top Drive with 2-Speed Haglunds CA140 and Electric HPU (Max Static Load 133,000 daN / 300,000 lbs). Max speed @ 165rpm. Max TD torque @ 28,000 ft/lbs. Max Drilling Torque @ 24,000 ft/lbs. Water-Course rated to 35,000 kPa / 5000 psi. Oscillation available. Axis Lighting Oscillation system available
Table:	ZP175 17.5" (444mm) powered hydraulically-for auxiliary use only.
BOP's:	1 - 229mm X 21,000 kPa (9" x 3,000 psi) - Steel-Tech TA Annular Preventer 2 - 229mm X 21,000 kPa (9" x 3,000 psi) - Steel-Tech TGR Single Gate Ram Preventers
Accumulator:	1 - 4 station 230L / 60 gal x 21,000 kPa / 3,000 psi PLC OLD accumulator, with N2 backup system.
Mud Tanks:	1 - 50m3 (315 bbl), 3 Compartment circulating system, with additional pill and trip tank. Agitator situated in suction tank; low pressure system powered by 2 – 5 x 6 Mission Magnum C-pumps.
Solids Control:	2-Swaco Mongoose Mud Shakers. Screen available to 200 mesh.
Water Tank/Doghouse:	Hydraulic raising system-separate sub-storage room. Pason drilling recorder system. 60m3 / 380 bbl useable water tank.

Combination Building:	2 - 600kw Marathon Generators powered by 2 - 685hp Detroit Series 60 (14L) engines. Monitoring provided by a Woodward panel, which also synchronizes the two generators, and allows them to run in series. Also Houses a 12 man change shack and a 25,000L / 6,600-gal fuel storage tank.
Catwalk:	Mastco Skate Catwalk, with hydraulic skate, and leveling racks attached. Also houses nace trim 52mm x 76mm x 21,000 kPa (2" x 3" x 3,000 psi) Manifold.
Pipe Tubs:	3 - Hydraulically controlled range 3 tubs
Tubulars:	2,500m / 8,200' – 114.3mm / 4 1/2" x DS40, S-135 R3 Drill pipe 114.3mm / 4 1/2" x DS40, R3 HWDP Available 159mm / 6 1/4" Drill Collars Available 203mm / 8" Drill Collars Available
Boiler:	1 - 100hp Liberty Boiler with self-contained 10,000L (2,600 gal) fuel and 8m3 (2,100 gal) water tank.