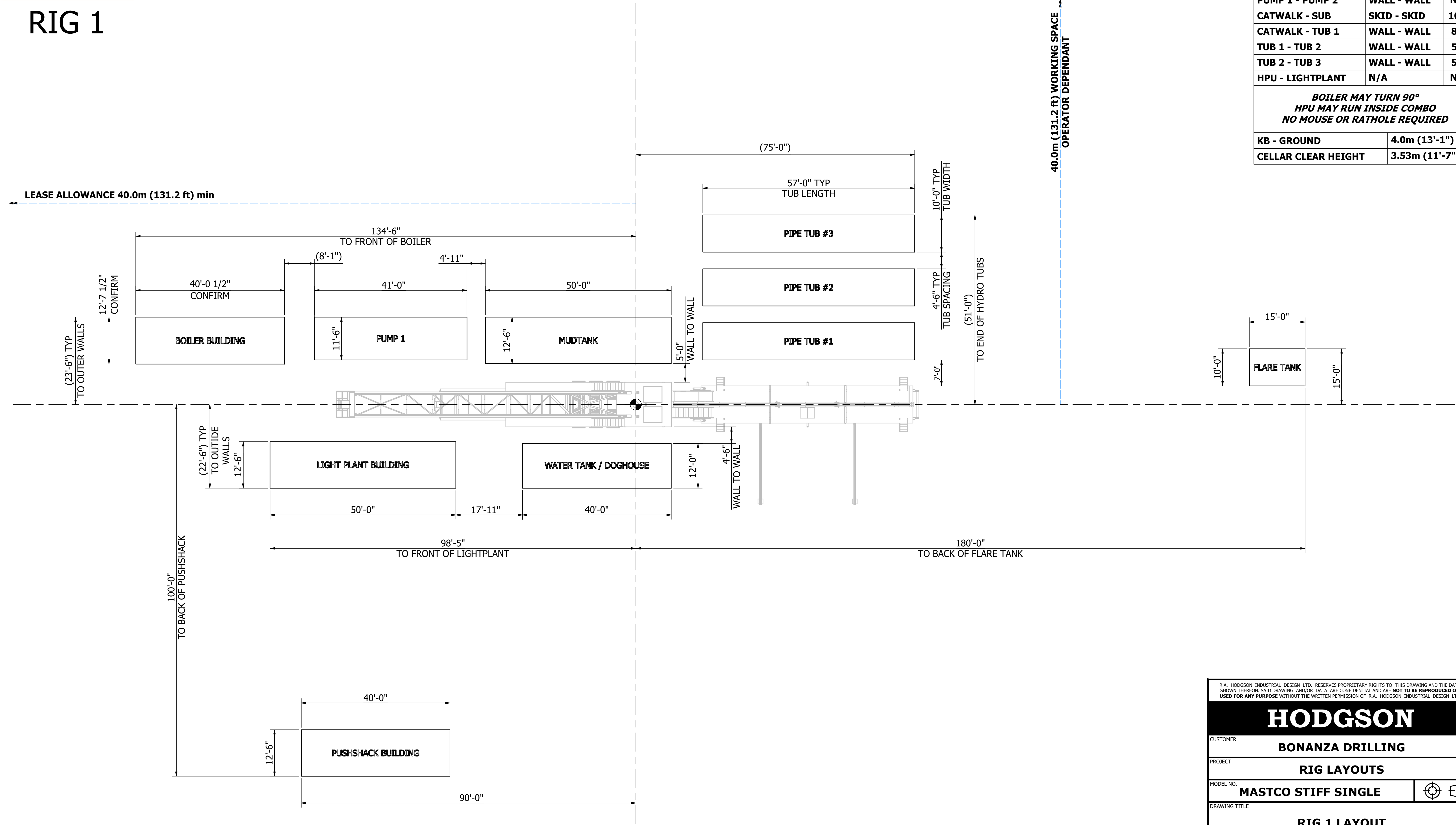
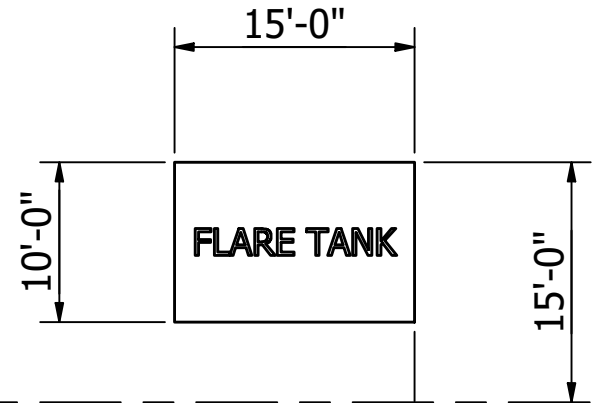




RIG 1



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")	



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HODGSON

CUSTOMER

BONANZA DRILLING

PROJECT

RIG LAYOUTS

MODEL NO.

MASTCO STIFF SINGLE

DRAWING TITLE

RIG 1 LAYOUT

DWN. BY

L. WAUGHTAL

DATE

OCT 21, 2024

SCALE

1" = 12'-0"

CHK'D

KJP

APP.

RAH

DWG. NO.

H8446-01

REV.

0



Rig 1

Inventory Listing

2,200m / 7,200' Vertical

12 Loads - Summer

13 Loads - Winter

Drawworks:	TSM 3,000 (400hp), Powered by 1 - Detroit Series 60 (14L), w/6 speed Allison transmission. Auxiliary braking by Eaton 124-disc brake.
Mud Pump:	1 - F1000 triplex pump, powered by 1 - Detroit Series 2000, w/ODR Pacific-Rim hydraulic clutch.
Carrier/Substructure:	Mastco Carrier with 24-wheel tridem axle hydraulic self-leveling trailer-substructure. 89,000 daN / 200,000 lbs Max Rotary Capacity. 80,000 daN / 180,000 lbs Max Setback Capacity. KB - Ground 4.0m (13'1"). Celler Clear Height 3.53m (11'7")
Mast:	Mascto Range 3 Elite Stiff Mast - hydraulically raising (Max static hook load 89,000 daN / 200,000 lbs - 8 lines).
Top Drive:	FDS 150T Split Block Top Drive with 2-Speed Haglund and Electric HPU (Max Static Load 133,000 daN / 300,000 lbs). Max Speed @ 180rpm Max Torque @ 20,000ft/lbs.
Table:	Howard Turner 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:	1 - Derrick FLC 504 Shale Shaker. 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 - 590kw 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. Houses a 12 man change shack, and contains a 14,000L / 3,700 gal Fuel 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:	2200m / 7,200' 102mm / 4" x 4" FH, X-95 R3 Drill pipe 4 - 159mm / 6 1/4" x 4 1/2" XH, R3 Drill Collars 8 - 127mm / 5" x 3 1/2" IF, R3 Drill Collars

Last Edit Date: Jan 20/2025 - CV

Available - 102mm / 4" x 4" FH, R3 HWDP

Boiler:

1 - 100hp Liberty Boiler with self-contained 10,000L / 265 gal fuel and 8m3 / 2110 gal water tank.