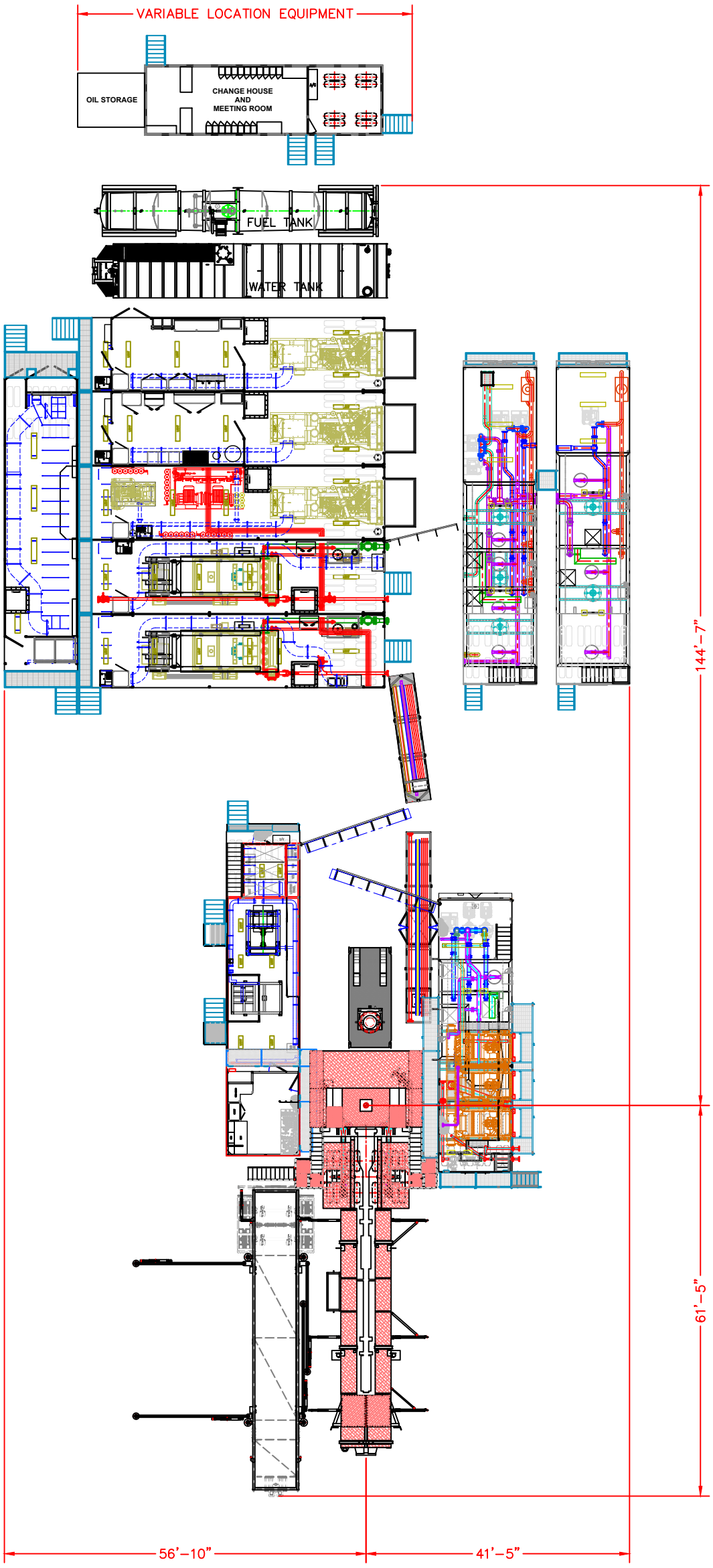
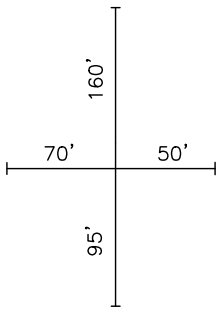
ENSIGN ADR® 350



LOCATION SIZE:



DESIGN SPECIFICATIONS

MAST / SUBSTRUCTURE: API 4F
TOP DRIVE: API 8C
ELECTRICAL HAZARDOUS AREA CLASSIFICATION: API RP500 / API RP505

CENTER SECTION

MAST
TYPE: ENSIGN ADR 350
CLEAR WORKING HEIGHT: 52' (15.8 m)
HOIST CAPACITY: 350,000 lbs (155,680 daN)

SUBSTRUCTURE
TYPE: ENSIGN ADR 350
CLEAR HEIGHT: 13'-4" (4.06 m)

HYDRAULIC POWER UNIT
PUMPS: REXROTH A11V260
INPUT: AC ELECTRIC (800 hp)

TOP DRIVE
MAKE: WARRIOR
MAX. HOOK LOAD: 350,000 lbs (155,600 daN)
MAX. DRILLING TORQUE: 26,000 ft-lbs @ 80 rpm
IBOP: MANUAL AND HYDRAULIC

PIPE HANDLER
TYPE: HYDRAULIC
TUBULAR SIZE RANGE: 2 7/8" - 13 3/8"
TUBULAR LENGTH: RANGE 2 OR RANGE 3
CAPACITY: 7,500 lbs (3,336 daN)

IRON ROUGHNECK
MAKE: ALCO INDUSTRIES
MAXIMUM OPENING: 15"
MAX. TORQUE: 80,000 ft-lbs

MASTER BUSHINGS / SLIPS
OPENING: 20 1/2"
SLIP HANDLER: HYDRAULIC

PIPE RACKS / PIPE INDEXING
DOGHOUSE-CONTROLLED HYDRAULIC
RANGE 2 / 3 TUBULARS

DRILLER'S CABIN
PECO ELECTRIC
PLC: GE FANUC (PROFICY)

ELETRICAL POWER AND CONTROL

GENERATOR SET (x3)
RATED: 1000 ekW, 600 V, 60 Hz, 3 PHASE
INPUT: DIESEL (1350 hp)

GENERATOR SET (x1)
RATED: 72 ekW, 600 V, 60 Hz, 3 PHASE
INPUT: DIESEL (100 hp)

MUD SYSTEM

MUD PUMP (x2)
TYPE: TRIPLEX (x2)
RATED: 1600 hp
INPUT: AC (1500 hp)

MUD TANK (x2)
TOTAL CAPACITY: 640 bbl
MIX TABLE: SWACO SE 175 (x2)
MIX PUMP: 50 hp (x4)

TRANSFER TANK
TOTAL CAPACITY: 195 bbl
SHAKER: SWACO MONGOOSE (x3)
MUD CLEANER: SWACO 8T4
TRANSFER PUMP: 60 hp (x2)
MUD CLEANER PUMP: 50 hp (x1)

WATER TANK
WATER CAPACITY: 63 m3 (400 bbl)

WELL CONTROL

CHOKE MANIFOLD
3" - 5,000 psi

ACCUMULATOR
240 gal / 5 STATION

ADDITIONAL EQUIPMENT

PIPE TUB (x2)
AUTOMATED/ HYDRAULIC / WHEELED / RANGE 3

FUEL TANK CAPACITY
DIESEL 8400 gal

UMBILICALS
PERMANENT: 30' (x1)
VARIABLE: 40' (x6) + 20' (x1)

CHANGE HOUSE / MEETING ROOM
WHEELED

POWER DISTRIBUTION SKID

REV	DESCRIPTION	DATE	DWN	CHK	APPD
-	-	-	-	-	-

ENSIGN
2000 - 5th STREET, NISKU, ALBERTA, CANADA
TELEPHONE: (780) 955-8808
FAX: (780) 955-5804

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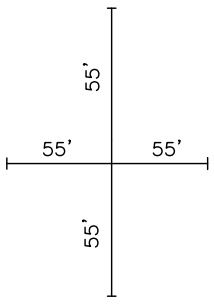
APEGGA PERMIT TO PRACTICE: P07379

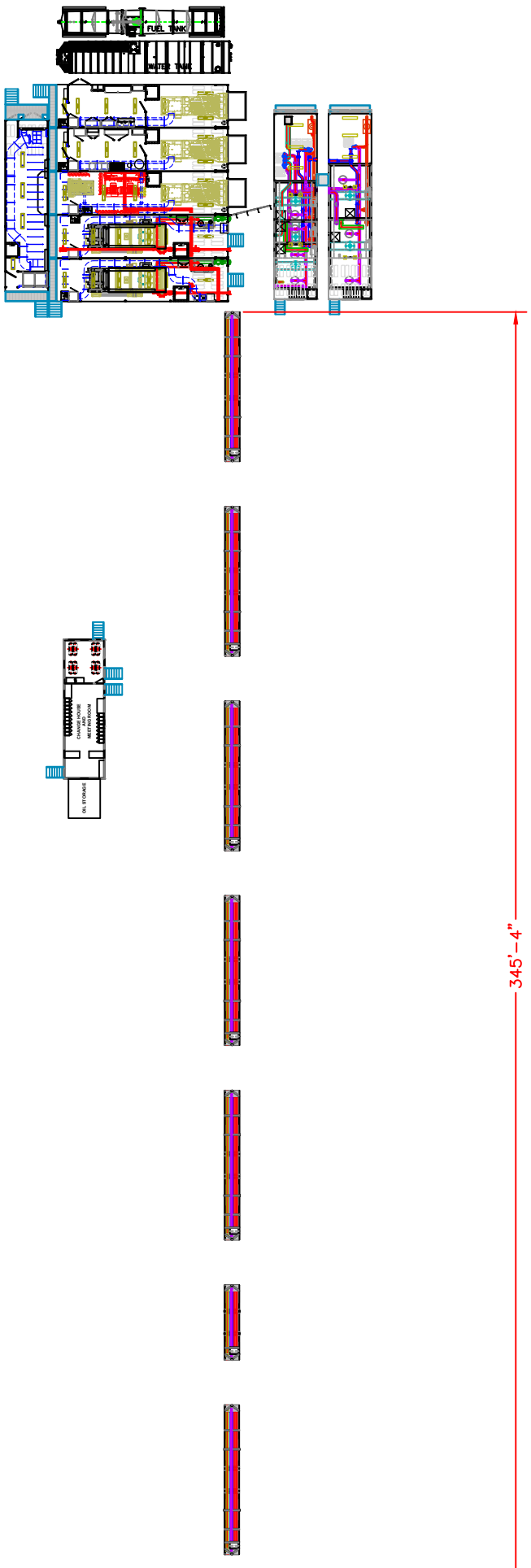
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:
X.XXX: ±.005 ANGLES: ±1°
X.XX: ±.010 FRACTIONS: ±1/32
X.X: ±.030 WELD DIMENSIONS: ±1/16
DIMENSIONS ARE IN INCHES
SURFACE FINISH IS: 125 μ in.

DWN:	DG	TITLE	ADR 350 LAYOUT AND SPECS COMPLEX MODE
CHK:	-		
APPD:	-		
SCALE:	NTS	RIG #: 540	DIVISION: UNITED STATES DRILLING (CALIFORNIA)
SHEET 1 OF 2		DATE: Aug. 8, 2016	DWG #: 10667 REV: 1

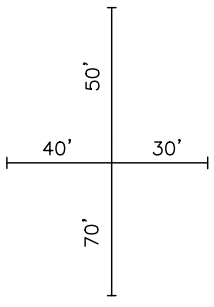
ENSIGN ADR® 350

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CHK:	-				
APPD:	-				
SCALE:	NTS	RIG #: 540	DIVISION: UNITED STATES DRILLING (CALIFORNIA)		
SHEET 2 OF 2		DATE: Aug. 8, 2016	DWG #: 10667	REV: 1	