DRAFT FOR NEXT REVISION
UPDATE: 2012-06-11

ISSUED FOR CONSTRUCTION

CUSTOMER SUPPLIED 480V

-Q480 20A 480V

-X480

-PS002 POWER SUPPLY

-PS001 24VDC POWER SUPPLY

-U001.06 16 DO

-Q021 MSP 4A

-LR1=S347 480/240V 20KW

CLIQ CABLE

-F003

-F004

-T1=S347 480/240V 1kVA

-F005

-R001 BRAKING RESISTOR 5KW CONT. DUTY

-R008 TEMPRETURE SENSOR

-V001.1 SINAMICS S120 AC 26KW BASIC LINE MODULE 6SL3130-1TE31-0AA0

-V001.2 CU320-2DP

-X122

-X132

-V002.1 SIMOREG DCM

-X177

+10VDC

-10VDC

-X026

CLICK CABLE -X165

-K005

-S001 E-STOP

-X025

-V001.3 SINAMICS S120 AC 6SL3040-1MA00-0AA0 CU 320-2 DP

CLICK CABLE -X201

-X200

-T2 FIELD 150V, 1.39A SERIES WOUND

-F002 30A

-M002 240VDC 28A, 175RPM 7.5HP

-B001 ENCODER

-V001.4 SMC30

-X220

-X521

-X531

CLICK CABLE -X500

MOTOR SKID

-X100

-M001 460VAC 7.5A, 1440RPM 5HP

-V001 SCR COOLING BLOWER

-X210

-X220

-V002.2 SMC30

-Q011 -Q012 -Q013 -Q014 -Q015 -Q017 -Q018 -Q016 -Q019

-X025

-X21 -V001.1 S120 AC

-X124 -V001.2 CU320

-X21 -V001.3 MOTOR

-X524 -V001.4 SMC30

-X524 -V002.2 SMC30

-X24 -V001.1 S120 AC

-X024

-U001.02 CPU 315

-U001.04 8 AI

-U001.05 16 DI

-U001.06 16 DO

-X027

-X024

-K007 +-R002

-K006 +-R002

-U001.05

-U001.04 AI

S120 REF

DCM REF

-R002 10K POT

-R003 10K POT

-X026 +10VDC

-X026 -10VDC

-Q020

-U002 HMI

-X028

-K002

-K001

-Y001

-U001.06 16 DO

-X220

-X230

-R004 10K OHM

-R005 10K OHM

-R006 10K OHM

-R007 10K OHM

-V003 DYNAPAR ~0-6V

CUSTOMER SUPPLY 110VAC

-U001.05 DI

START AC

STOP DC

START DC

STOP AC

INFEED ON

TORQUE/ SPEED

TORQUE

V/Hz

-S002

-S003

-S004

-S005

-S006

-S007

-S009

-S008 BRAKE RELEASE

BRAKE ON

-X024 24VDC+

-X026 24VDC+

-X027

-X21

-X177

-S001 E-STOP

-X026

-X027

-X21

-X21

-XS1

PROFIBUS CONNECTION

-U002 HMI :DP

-U001.02 PLC :DP

-V001.1 SINAMICS S120 AC :DP

-V002.1 SINAMICS DCM :DP

RESISTOR ON

RESISTOR OFF

RESISTOR OFF

RESISTOR ON

S1:			S2:		S3:	
1	I		1	0	1	0
2	I		2	I	2	0
3	I		3	0	3	I
4	0		4	0		
5	I		5	I		
6	0					
7	I					
8	0					
9	0					
10	0					

ALT NO.	ALTERATION DESCRIPTION	DATE	DRFT.	CHKR.	ENGR.	MGR.
01	ISSUED CONSTRUCTION	2012-06-02	KHJ	YIN	YIN	EPK
00	PRELIMINARY	2012-05-27	KHJ	YIN	YIN	EPK

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SCALE:

Transocean

MINI DRAWWORKS BENCH
TEST EQUIPMENT
SYSTEM OVERVIEW
SCHEMATIC

DATE CREATED: 2012-05-27 | JOB NUMBER: XXXX-XXX
DRAWN: KHJ | PSS NO.
APPRD: --

SHT.: 001 | ALT NO.: 01H

(2) XXXX-001- DRIL - DRWK - TEST -XXXX

REV'D: -

FILE: XXXX-001-D34100101H.DWG
PLOT DATE: 2012/06/11 09:29:22