STARTER UNIT

FIELD

FED FROM MCC-2P
600V/3ø/60
50A

RD
BK
BL

M
O/L
T1
T2
T3

SIZE 3

P913-P1

30HP P913

H1 H2
600V
_ VA
120V
FU
X1 X2

O/L
X1 X1
P913-HS-B
LOCK-OFF-STOP
1

P913-HS-A
START
2 3 3
M

P913-HS-C
STOP
1 2
M
P913-HS-D
START

P913-MM
R

M 8 8 CR1 X2

RUN
R

2-8C-TB1-3 13 13 CR1 14 14 2-8C-TB1-4
DDP913MM
INPUT

SCHEMATIC DIAGRAM

16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
X1
X2

P913-C1
P913-C2

(5) P913-C2-8
(3) P913-C2-3
(4) P913-C1-3
(2) P913-C2-2
(3) P913-C1-2
(2) P913-C2-1
(1) P913-C1-1
(1) P913-C2-X1
(6) P913-C2-X2

EXISTING WIRING

LOCAL TO MOTOR
P913-HS-C
STOP
P913-C1-1 (1) (2) P913-C1-2
P913-HS-D
START
P913-C1-3 (3)

FIELD DEVICE PANEL PFDP-1
P913-HS-B
STOP
P913-C2-X1 (1) X1 1 (2) P913-C2-1
P913-HS-A
START
P913-C2-2 (3) 2 3 (4) P913-C2-3
P913-C2-8 (5) 8 CR1 X2 (6) P913-C2-X2

CR1
(1) 13 14 (2)

PTC
P913-13
(1) (1)
P913-14
(2) (2)

DCS
2-8C-TB1-3 DDP913MM 2-8C-TB1-4
(1) INPUT (2)

WIRING DIAGRAM

NOTES:

1. -

LEGEND

( )	CONDUCTOR IDENTIFICATION
□	STARTER TERMINALS
◪	PFPD-1 TERMINALS
▨	PTC TERMINALS
⊠	DCS TERMINALS
——	FIELD WIRING
——	PANEL WIRING
—●—	WIRE CONNECTION
○	PILOT LIGHT
ETM	ELAPSED TIME METER

APEGM Certificate of Authorization KGS Group No. 245 Date:_____

NO.	REVISIONS	DATE	BY
01	ISSUED FOR TENDER	15/02/08	REW

B.M. ELEV.
FIELD BOOK #:
POSTED TO LBIS

KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS
CH2MHILL

DESIGNED BY	DDW	CHECKED BY	REW
DRAWN BY	GCN	APPROVED BY	.
HOR. SCALE	N.T.S.	RELEASED FOR CONSTRUCTION	
VERTICAL	.		
DATE	19/01/07	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.E. WILLMS
REGISTERED PROFESSIONAL ENGINEER

TENDER No: 25-2008
FILENAME : 1-0101P-E0035-001
PLOT DATE : 15/02/08

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NORTH END WATER POLLUTION CONTROL CENTRE
MOTOR STARTER
P913-2PP24
SCUM TRANSFER PUMP 4 CLARIFIERS 4 & 5

SHEET 001 OF 001
CITY DRAWING NUMBER
1-0101P-E0035-001