STARTER UNIT

FED FROM MCC-1P
600V/3ø/60
50A

RD
BK
BL

M
O/L
T1
T2
T3
RD
BK
BL

SIZE 3

H1
H2
600V
_ VA
120V
X1
X2
FU

O/L
X1
X1
P901-HS-B
LOCK-OFF-STOP
1
P901-HS-A
START
2
3
3
M
P901-HS-C
STOP
1
2
M
P901-MM
R
P901-HS-D
START

M
8
8
CR1
X2
RUN
R

2-8C-TB4-1
13
13
CR1
14
14
2-8C-TB4-2
DDP901MM
INPUT

SCHEMATIC DIAGRAM

FIELD

P901-P1
30HP
P901

P901-C1
P901-C2

16
15
14
13
12
11
10
9
8 (5) P901-C2-8
7
6
5
4 (3) P901-C2-3 (4) P901-C1-3
3 (2) P901-C2-2 (3) P901-C1-2
2 (2) P901-C2-1
1 (1) P901-C1-1
X1 (1) P901-C2-X1
X2 (6) P901-C2-X2

LOCAL TO MOTOR
P901-C1-1 (1)
P901-HS-C
STOP
(2) P901-C1-2
P901-HS-D
START
P901-C1-3 (3)

FIELD DEVICE PANEL PFDP-1
P901-C2-X1 (1)
X1
P901-HS-B
STOP
1
(2) P901-C2-1
P901-HS-A
START
P901-C2-2 (3)
2
3
(4) P901-C2-3
P901-C2-8 (5)
8
CR1
X2
(6) P901-C2-X2

CR1
(1) 13
14 (2)

PTC
P901-13 (1) (1)
P901-14 (2) (2)

DCS
2-8C-TB4-1 (1)
DDP901MM
INPUT
2-8C-TB4-2 (2)

EXISTING WIRING

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:_____

B.M. ELEV. | FIELD BOOK #:

POSTED TO LBIS

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

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-E0018-001
PLOT DATE : 15/02/08

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NORTH END WATER POLLUTION CONTROL CENTRE
MOTOR STARTER
P901-1PP21
SCUM TRANSFER PUMP 1 CLARIFIERS 1, 2 & 3

SHEET 001 OF 001
CITY DRAWING NUMBER
1-0101P-E0018-001