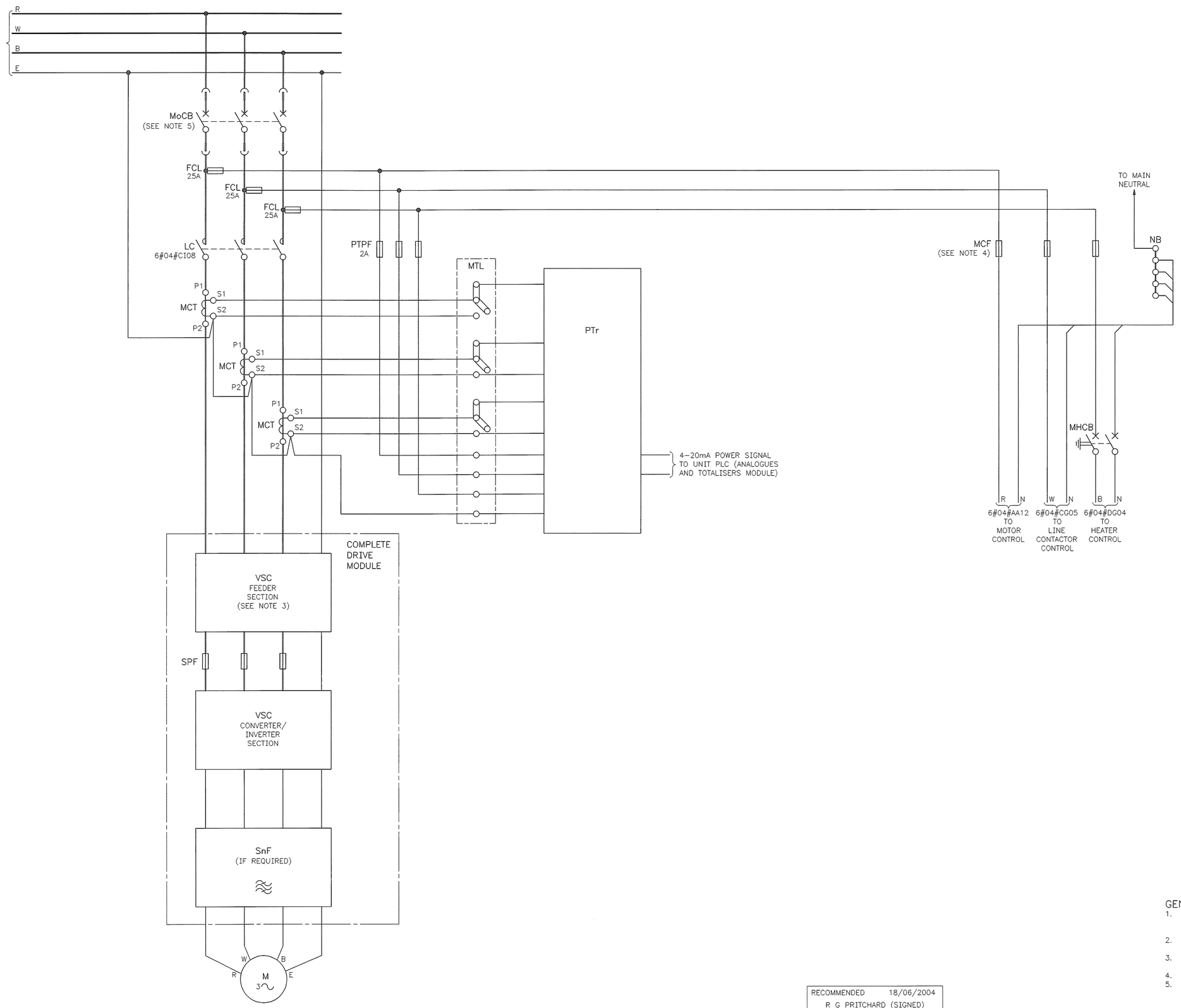

REFERENCE EXPLANATION

(P)WXYZ
41#1.1#AB34

- PANEL LETTER
- CODE
- HORIZONTAL LOCATION
- VERTICAL LOCATION
- PART N° (IF REQUIRED)
- SHEET N°
- BUNDLE N°

CODE SCHEDULE

FCL	FAULT CURRENT LIMITER
LC	LINE CONTACTOR
MCF	MOTOR CONTROL FUSE
MCT	METERING CURRENT TRANSFORMER
MHCB	MOTOR HEATER CIRCUIT BREAKER
MoCB	MOTOR CIRCUIT BREAKER
MTL	METERING TEST LINKS
NB	NEUTRAL BAR
PTPF	POWER TRANSDUCER POTENTIAL FUSE
PTr	POWER TRANSDUCER
SnF	SINE FILTER
SPF	SEMICONDUCTOR PROTECTION FUSE
VSC	VARIABLE SPEED CONTROLLER

GENERAL NOTES

1. THE REQUIREMENT FOR A SINE FILTER AND/OR NOTCH LIMITING REACTOR SHALL BE DETERMINED IN ACCORDANCE WITH WATER CORPORATION DESIGN STANDARD DS21
2. MOTOR CABLES SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH WATER CORPORATION DESIGN STANDARD DS21
3. FEEDER SECTION CONSISTS OF ISOLATING TRANSFORMER (OR LINE REACTANCE) AND INPUT FILTERS AS REQUIRED
4. FUSE RATINGS TO BE SELECTED TO SUIT APPLICATION
5. CIRCUIT BREAKER TO BE INTERLOCKED TO PREVENT WITHDRAWAL OR INSERTION UNLESS CIRCUIT BREAKER IS OPEN

ISSUE	DATE	GRID	REVISION	DRN	REC	APPD
D	09/2010		SPF MOVED FROM INPUT OF VSC FEEDER SECTION; MoCB SYMBOL MODIFIED TO WITHDRAWABLE; THIRD LINE TITLE REVISED ("SWITCHBOARD" WAS "INSTALLATION"); NOTE 5 ADDED		RP	
C	05/2009		MoCB WAS MFI; MCF WAS MCCB; PTPF WAS CIRCUIT BREAKER; SnF WAS SF; PTr WAS PwT; SPF AND NOTE 4 ADDED	TJT	RGP	NHJ
B	03/2006		FCL SIZE ADDED	TJT	RGP	NHJ

566
810

DESIGN SURVEY NONE	VERTICAL DATUM NONE	DES CALC	NORTH POINT
	COORDINATE SYS NONE	DES CHD KOG	
ASCON SURVEY NONE	DES REF	DRN AA	
		Q.C. CHD HdeV	

RECOMMENDED 18/06/2004
R G PRITCHARD (SIGNED)
PRINCIPAL RGP ENG

RECOMMENDED 23/06/2004
N H JOHNSON (SIGNED)
SUPERVISING ELECT. ENGINEER, IDB

APPROVED 25/06/2004
A KLITA (SIGNED)
PRINCIPAL ENGINEER, IDB

WATER CORPORATION

ELECTRICAL STANDARD DRAWING
MAJOR PUMP STATION
LV SWITCHBOARD – VARIABLE SPEED DRIVE PANEL
POWER DIAGRAM

FILE
PROJECT
PLAN FS00–6–3 CAD
ISSUE D

ORIGINAL SHEET SIZE A1

MF 24 NOV 2010

EMS DESIGN\PROJECTS 2004\D04223W\CAD\FS00\FS00-006-003-01D 11:26 28/10/2010 trainot0/WS13654

© THIS DRAWING IS THE PROPERTY OF THE WATER CORPORATION. IT SHALL NOT BE COPIED WITHOUT PERMISSION.