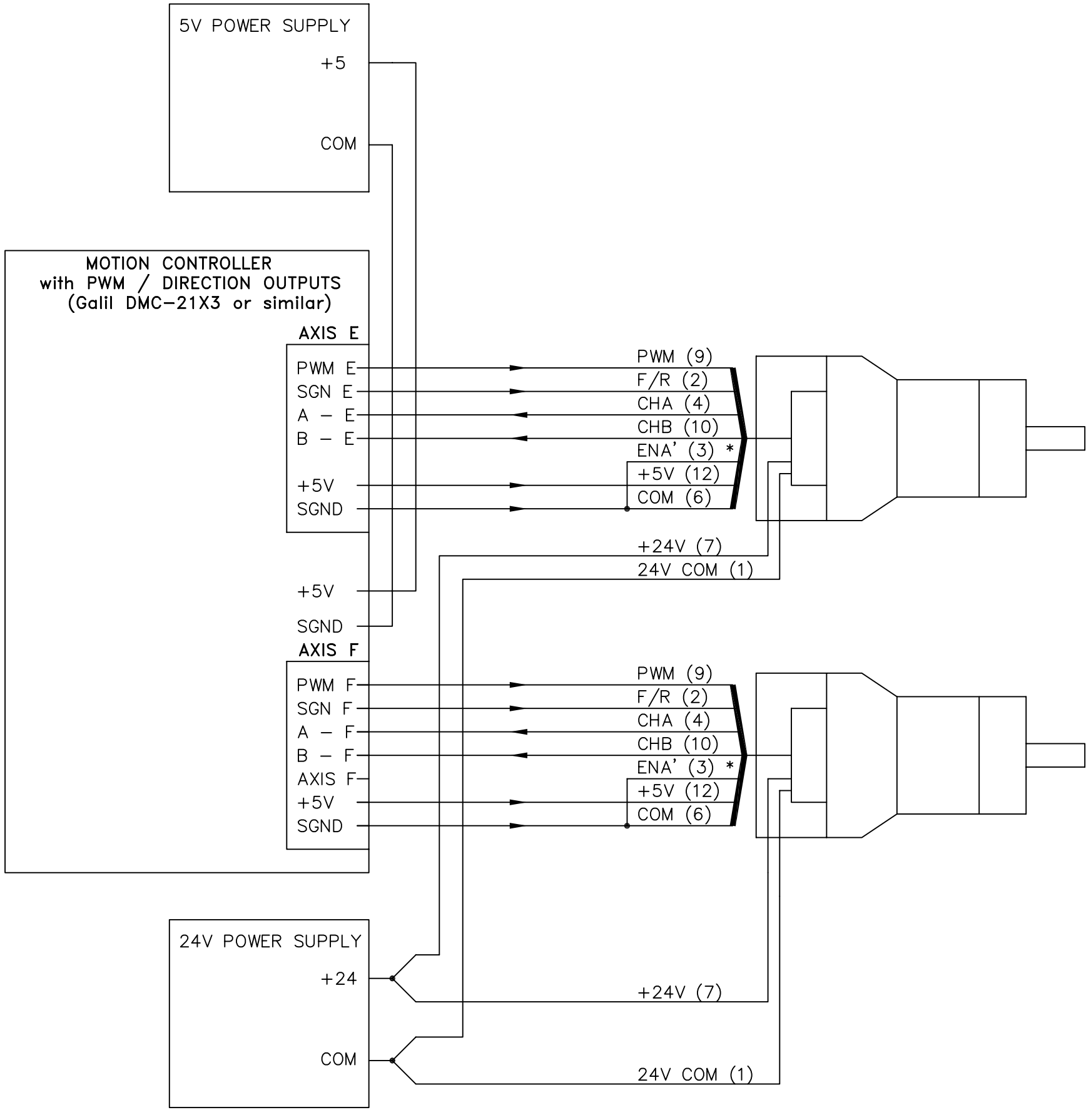
PART NO./REV. (ITEMREV)
(DESC)

SCHEMATIC – INTEGRA FV DEMO
(22B2 / 24V)

GRAPHIC BY MBM	DESIGNER ({DESIGNER})
REF. XXX XX XXX	DCR NO: ({DCR_NO})
GRAPHIC NO./REV. XXX XX XXX X	

BODINE ELECTRIC COMPANY



Note: Integra enable input is active low, Galil axis enable is active high. Programmable logic outputs may be used for individual axis enable commands if desired.

Program Gains: (Values determined by tuning system response for actual inertia and friction loading for each axis)

KP: 50
KI: 5
KD: 500

Encoder resolution is 1024 counts / rev (256 Line encoder standard)
Speed – 1000 RPM = 1000/60*1024 = 17067 (counts/sec)
Accel – 25000 counts/sec^2
Decel – 25000 counts/sec^2

GALIL MC LANGUAGE PROGRAM:

KP 50,50 : REM E and F axes
KD 500,500
KI 5,5
SH E,F: REM enable both E and F axes and hold position
DP 0,0: Define current position as 0 for E and F axes
AC 25000,25000: REM set accel for E and F axes
DC 25000,25000: REM set decel for E and F axes
SP 17067,17067: REM set speed for E and F axes
PR 10240,20480: REM set relative move of 10 rev (E) and 20 rev (F)
BG E,F: Begin motion both axes

ENCODER OUTPUT