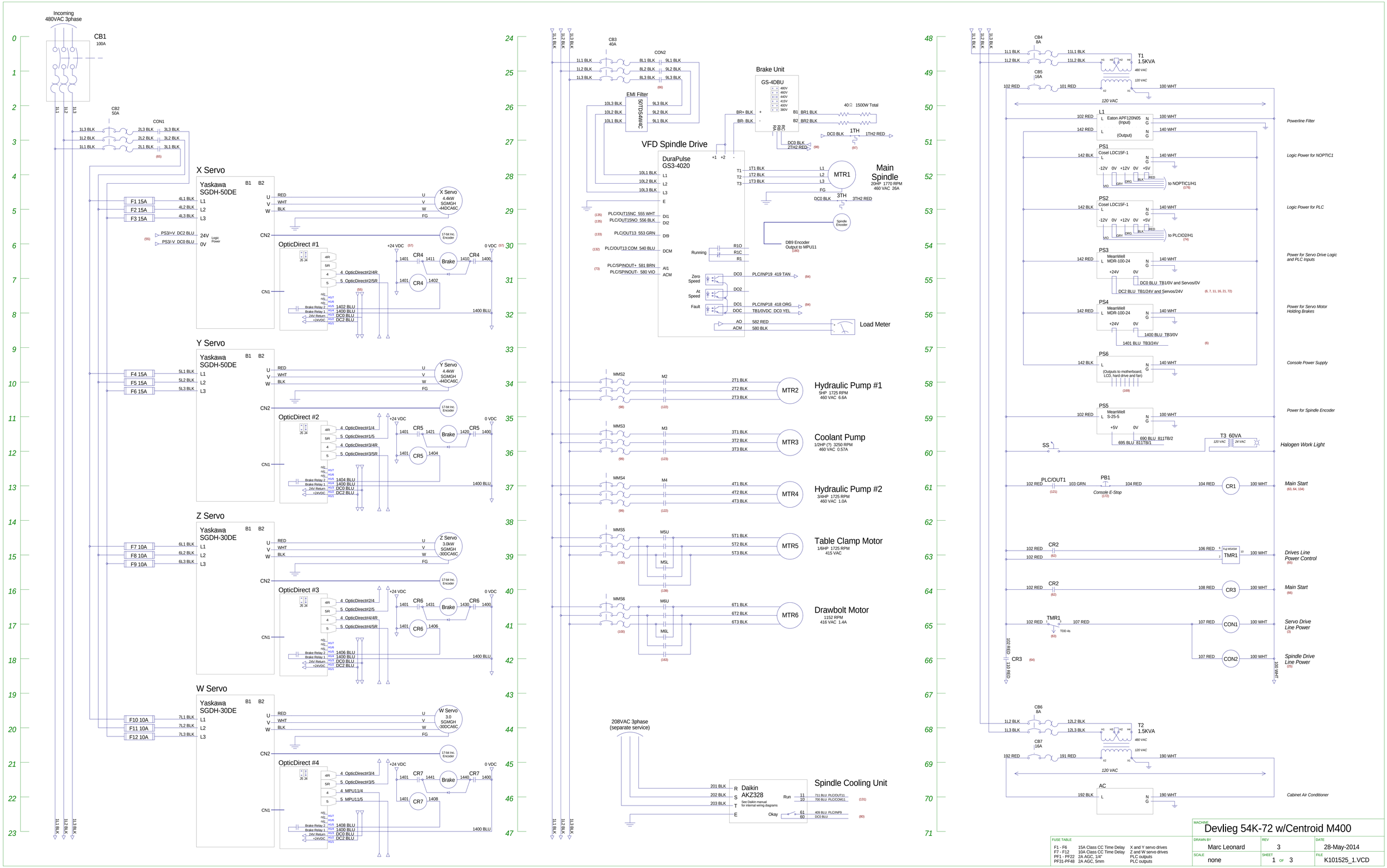
Incoming 480VAC 3phase
CB1 100A
CB2 50A
CON1
X Servo
Yaskawa SGDH-50DE
X Servo 4.4kW SGMGH -44DCA6C
Y Servo
Yaskawa SGDH-50DE
Y Servo 4.4kW SGMGH -44DCA6C
Z Servo
Yaskawa SGDH-30DE
Z Servo 3.0kW SGMGH -30DCA6C
W Servo
Yaskawa SGDH-30DE
W Servo 3.0 SGMGH -30DCA6C
OpticDirect #1
OpticDirect #2
OpticDirect #3
OpticDirect #4
Brake
CR4
CR5
CR6
CR7
CB3 40A
CON2
EMI Filter
50TDS4W4C
Brake Unit
GS-4DBU
VFD Spindle Drive
DuraPulse GS3-4020
Main Spindle
MTR1
20HP 1770 RPM
460 VAC 26A
Load Meter
Hydraulic Pump #1
MTR2
5HP 1725 RPM
460 VAC 6.6A
Coolant Pump
MTR3
1/2HP (7) 3256 RPM
460 VAC 0.57A
Hydraulic Pump #2
MTR4
3/4HP 1725 RPM
460 VAC 1.0A
Table Clamp Motor
MTR5
1/6HP 1725 RPM
415 VAC
Drawbolt Motor
MTR6
1152 RPM
416 VAC 1.4A
208VAC 3phase (separate service)
Spindle Cooling Unit
Daikin AKZ328
See Daikin manual for internal wiring diagrams
CB4 8A
CB5 16A
T1 1.5KVA
480 VAC
120 VAC
Powerline Filter
PS1
Cosel LDC15F-1
Logic Power for NOPTIC1
PS2
Cosel LDC15F-1
Logic Power for PLC
PS3
MeanWell MDR-100-24
Power for Servo Drive Logic and PLC Inputs
PS4
MeanWell MDR-100-24
Power for Servo Motor Holding Brakes
PS6
Console Power Supply
PS5
MeanWell S-25-5
Power for Spindle Encoder
Halogen Work Light
Console E-Stop
Main Start
Drives Line Power Control
Servo Drive Line Power
Spindle Drive Line Power
CB6 8A
CB7 16A
T2 1.5KVA
Cabinet Air Conditioner
MACHINE
Devlieg 54K-72 w/Centroid M400
FUSE TABLE
F1 - F6 15A Class CC Time Delay X and Y servo drives
F7 - F12 10A Class CC Time Delay Z and W servo drives
PF1 - PF22 2A AGC, 1/4" PLC outputs
PF31-PF48 2A AGC, 5mm PLC outputs
DRAWN BY Marc Leonard
REV 3
DATE 28-May-2014
SCALE none
SHEET 1 OF 3
FILE K101525_1.VCD