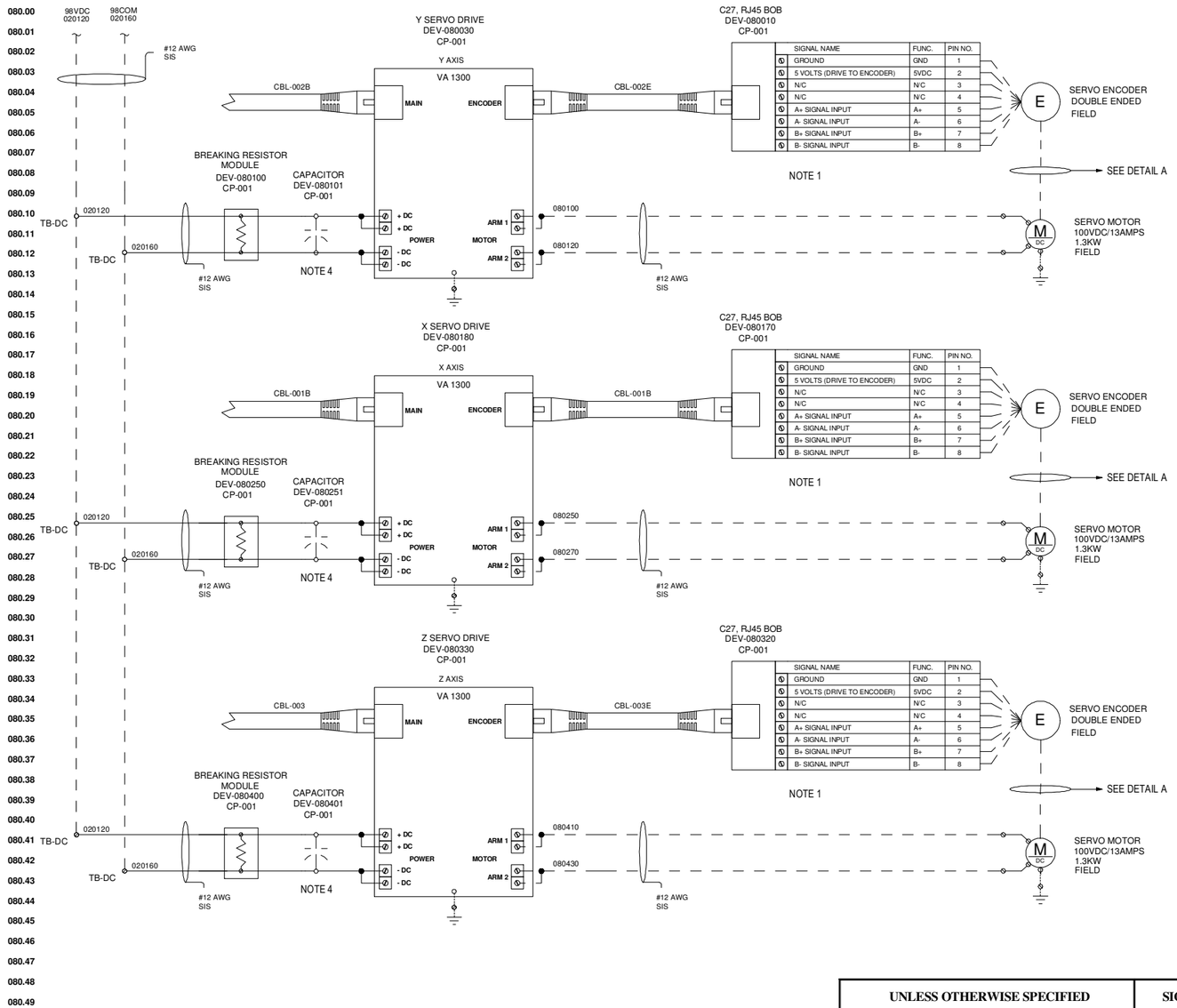
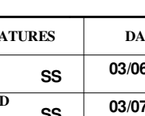
REVISIONS				
REV	DESCRIPTION	DATE	DRAWN	APPR
0	AS BUILT	03/08/13	SS	SS



DETAIL A
MIL SPEC CONNECTOR PIN OUT



MOTOR CONNECTOR MS3102E-24-07P

PIN	FUNCTION	ENCODER WIRING C27 PIN	ENCODER WIRING CAT5 COLOR	SERVO WIRING POWER COLOR	INTERNAL SERVO WIRING ENCODER COLOR	INTERNAL SERVO WIRING POWER COLOR
A	CHANNEL +A	5	WHT/ORG	N/A	RED	N/A
B	CHANNEL -A	6	ORG	N/A	PUR	N/A
C	CHANNEL -B	8	WHT/BRN	N/A	BLU	N/A
D	CHANNEL +B	7	BRN	N/A	GRN	N/A
H	+5VDC	2	BLU	N/A	WHT	N/A
I	5COM	1	WHT/BLU	N/A	BLK	N/A
L	ENC. SHIELD	N/A	N/A	N/A	SHIELD WIRE	N/A
N	ARM 1	N/A	N/A	BLK	N/A	BLK
P	ARM 2	N/A	N/A	WHT	N/A	RED

ALLEN BRADLEY INCREMENTAL ENCODER 845P-NXC7907-CN1 SER A 1000 CPT

DRIVE TUNING PARAMETERS DG4S-16035	
DISCRIPTION	VALUE
STEP MULT.	1
MAX. ERR.	20,000
PWM LIMIT	512
CURRENT LIMIT	19.98
AP	1100
AD	65535
AI	25
SAMPLING TIME	2
STEP ACT. HIGH	CHECKED
ENCODER	x2 MODE

NOTES
1. SEE I/O TABLE FOR PIN ASSIGNMENTS
2. ALL 98VDC WIRING IS PURPLE FOR 98VDC AND GREY FOR 98COM UNLESS SPECIFIED
3. ALL SERVO POWER WIRING IS BLK FOR ARM 1, AND WHT FOR ARM 2, SO CBL
4. OPTIONAL POWER SUPPLY NOISE FILTERING CAP IF NEEDED.

LEGEND
- GROUND CONNECTION
- PANEL WIRING
- FIELD WIRING
- TERMINALS CP-001
- TERMINALS CP-002

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PL DECIMALS +/- 3 PL DECIMALS +/- ANGLES +/- FRACTIONS +/-	DRAWN SS	03/06/13
	CHECKED SS	03/07/13
	APPROVED SS	03/08/13
	PROJ ENGR SS	
	PROJ MGR SS	
	USE CLIENT DWG NO N/A	

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S S SYSTEMS, LLC
P.O. Box 235, 269 Church House Hill Lane, Briceville, TN 37710 (865) 426-9728

CLIENT NAME WITHHELD
BRIDGE PORT SERIES II CNC RETROFIT
SERVO DRIVE SCHEMATIC

SIZE	CAGE CODE	DWG NO.	REV
D	n/a	13SS010-080-MTN	0

SCALE	PROJECT NO.	SHEET	OF
n/a	13SS010	6	10