PROPRIETARY RIGHTS: This document discloses subject matter in which WINTRISS has proprietary rights. Neither receipt nor possession thereof confers or transfers any right to reproduce or disclose the document, any parts thereof, any information contained therein or any physical article or device, or to practice any method or process, except by written permission or written agreement with WINTRISS.

HISTORY		
ISSUE	DESCRIPTION	DATE
H		4/21/10

TB102

WPC OUTPUT #24 GROUND
WPC OUTPUT #23 GROUND
WPC OUTPUT #48 +24VDC
WPC OUTPUT #47 +24VDC
WPC INPUT #46 PALM N/C — GRP 6 #5
WPC INPUT #22 AIR PRESS. — GRP 6 #4
WPC INPUT #45 USER 1 IN — GRP 6 #3
WPC INPUT #21 SHAD LC2 — GRP 3 #7
WPC INPUT #44 DSV CHECK — GRP 6 #2
WPC INPUT #20 USER IN 3A — GRP 3 #6
WPC OUTPUT #43 — SHAD INT.
WPC INPUT #19 REM RESET — GRP 3 #5
WPC INPUT #42 ESTOP 2 — GRP 6 #1
WPC INPUT #18 MOTOR REV — GRP 3 #4
WPC INPUT #41 TOPSTOP 2 — GRP 4 #7
WPC INPUT #17 BAR ACTUAT — GRP 4 #6
WPC OUTPUT #40 +24VDC
WPC INPUT #16 FOOT N/C — GRP 4 #5
WPC OUTPUT #39 +24VDC
WPC INPUT #15 USER IN 2 — GRP 4 #4
WPC TERM. #38 — TOPSTOP LOOP TERMINAL
WPC OUTPUT #14 — AUX 1
WPC OUTPUT #37 — TOPSTOP DRIVE OUTPUT
WPC OUTPUT #13 — PRIOR ACT LAMP

WPC OUTPUT #12 GROUND
WPC OUTPUT #36 +24VDC
WPC OUTPUT 24VDC #11 — MUTE LAMP 2
WPC OUTPUT #35 — PALM TIME LAMP
WPC OUTPUT #10 — COUNTER
WPC OUTPUT #34 — CAM CHANNEL 2
WPC OUTPUT #9 — ZERO CAM
WPC OUTPUT #33 — CAM CHANNEL 1
WPC INPUT #32 MOTOR FOR — GRP 4 #3
WPC INPUT #8 SH LC1 — GRP 2 #7
WPC INPUT #31 BAR SELECT — GRP 4 #2
WPC INPUT #7 O-R LIMIT — GRP 2 #6
WPC INPUT #30 TOPSTOP 1 — GRP 4 #1
WPC INPUT #6 USER IN 3B — GRP 2 #5
WPC INPUT #29 ESTOP 1 — GRP 2 #8
WPC OUTPUT #28 GROUND
WPC INPUT #5 PRIOR ACT — GRP 2 #4
WPC INPUT #4 ONE HAND — GRP 2 #3
WPC OUTPUT #27 GROUND
WPC INPUT #3 FOOT N/O — GRP 2 #2
WPC TERM. #26 — ESTOP LOOP TERMINAL
WPC INPUT #2 PALM N/O — GRP 2 #1
WPC OUTPUT #25 — ESTOP DRIVE OUTPUT
WPC OUTPUT 24VDC #1 — MUTE LAMP 1

TB101

GRN DS302 K302
GRN DS303 K303
RED DS301 K301
#64 #63 #62 #61 DSV TERMINALS
#60 #59 #58 LOCKOUT TERMINALS
OUTPUT TO DSV RELAYS
OUTPUT TO MOTOR START
120VAC INPUT FOR DSV/MOTOR START
L1(120 VAC)
L2(120 VAC)
GND

TB4 OUTPUT CONN: 1 FSD1, 2 FSD2, 3 SSD, 4–9, 10 GND
TB4 AUXILIARY CONN: 11 MSR1, 12 MSR2, 13–18, 19 LOCK INT, 20
SHADOW VI CONTROL BOARD
TB5 LAMP OUTPUT: 1 GRN, 2 AMB, 3 RED, 4 YEL, 5 VOUT

WHT BLK RED — OVER-RUN LIMIT SWITCH

EMERGENCY STOP
TOP STOP
RUN
RUN
+24VDC
PRIOR ACT
FOOT SW

ROSS DUAL SAFETY VALVE MODEL DM2
DSV MONITOR: 3, 1, 2
SOLENOID RESET: 3, GND, 1, 4, 2
SOLENOID A: 1, 2
SOLENOID B: 1, 2
FACTORY
FACTORY

USER 1 INTERLOCK ESTOP
USER 2 INTERLOCK TOP STOP
CROSS CHECKED USER 3 INTERLOCK ESTOP LOCKOUT
HONEYWELL GKB SERIES INTERLOCK SWITCH. SWITCH SHOWN IN KEY IN POSITION.
GND
REMOTE RESET

SYSTEM AIR PRESSURE
MOTOR REVERSE
MOTOR FORWARD
+24V
AUX 1
CUSTOMER SUPPLIED AUXILLIARY CONTROL RELAY. TURNS ON WHEN THERE IS NO FAULT CONDITIONS OR NO INTERRUPTED STROKE.

RED PALM TIME
WHT MUTE LAMP
GND
BAR CONTROL BOX: OFF, ON, ACTUATOR

TB1: 1 CHAS, 2 +24VDC, 3 GND, 4 CH4, 5 CH3, 6 CH2, 7 CH1
CH4, CH3, CH2, CH1
TB5 N/C C N/O
TB4 N/C C N/O
TB3 N/C C N/O
TB2 N/C C N/O

THE CUSTOMER CONNECTS THE ANCILARY EQUIPMENT TO THESE RELAY OUTPUT TERMINALS.

55(GND) SHIELD
54(S1) BLACK
53(S2) GREEN
52(R1) RED
51(S3) YELLOW
50(R2) ORANGE
49(S4) BROWN
TB103
RESOLVER
L1(120 VAC)
L2(120 VAC)
GND
IMPORTANT! To Minimize noise interference, the resolver case should be grounded.

MICRO INCH
ON OFF — WPC INPUT #157 MICRO INCH — GRP 3 #1
ON OFF — TOP STOP IN INCH — WPC INPUT #156 T-S INCH — GRP 3 #2
WPC INPUT #155 GROUND
TB705

TWO HAND
ONE HAND FOOT MODE
WPC INPUT #149 ONE HAND — GRP 1 #3
WPC INPUT #148 FOOT MODE — GRP 1 #4
WPC INPUT #147 NOT USED
WPC OUTPUT #146 GROUND
TB702

INCH SINGLE CONT
OFF
WPC INPUT #145 OFF MODE — GRP 1 #7
WPC INPUT #144 INCH MODE — GRP 1 #8
WPC INPUT #143 S.S. MODE — GRP 1 #5
WPC INPUT #142 CONT. MODE — GRP 1 #6
WPC INPUT #141 GROUND
TB701

THE ABOVE CONNECTORS ARE ON THE WPC1000 DISPLAY BOARD

DA69495	H	42052-01	WPC1000 SYSTEM WIRING DIAGRAM
ITEM NO.	REV.	DWG. NO.	DESCRIPTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES: X ± .1, XX ± .01, XXX ± .005; FRACTIONS ± 1/64; ANGLES ± 1/2°
GENERAL SURFACE FINISH √ RMS MAX
REMOVE ALL BURRS SHARP EDGES R MAX INSIDE CORNERS R MAX
MATERIAL: ----------//----------
FINISH: ----------//----------

Wintriss Controls Group

TITLE: WPC1000 SYSTEM WIRING DIAGRAM

DRAWN	DATE	SIZE	DRAWING NUMBER	ISSUE
G. ROMAC	2/22/07	D	42052-01	H
DES ENG. L. TRAVASSOS				
MFG ENG. B. WARREN		SCALE N/A	SHEET 1 OF 1	