



- NOTES FOR WIRE COLORS ETC..**
1. - - - - DASHED LINES INDICATE WIRING BY OTHERS
 2. WIRE COLORS:
POWER - BLACK
AC CONTROL - RED
AC NEUTRAL - WHITE
DC CONTROL (24VDC) - BLUE
DC CONTROL (24VDC COM) - GRAY
24 VAC - VIOLET
EXTERNAL SOURCES - YELLOW
PLC INPUT - ORANGE
PLC OUTPUT - BROWN
 3. PHOTO EYE AND PROXIMITY SWITCH WIRE COLORS (VDC):
24VDC - BROWN
24VDC COM - BLUE
PHOTO EYE SIGNAL - BLACK
SICK™ PHOTO EYE - CONNECT WHITE TO BROWN
LASER PHOTO EYE SIGNAL - WHITE
PROXIMITY SWITCH SIGNAL - BLACK
 4. ALL PHOTO EYES ARE DARK OPERATED, ALL PROX SW'S N.O.
 5. ALL UNUSED AND OR SPARE SENSOR WIRES IN SENSOR CABLE MUST BE TAPED OFF. UNUSED WIRES SHALL NOT BE CUT OFF.
 6. IF NOT CAPWAY SUPPLIED, CUSTOMER MUST FURNISH AND INSTALL DISCONNECTS AT MOTORS AS REQUIRED BY THE NEC AND ANY STATE OR LOCAL CODES, BUT SEE NOTE D.
 7. ALL POWER AND MOTOR WIRING MUST BE NO LESS THAN 14 AWG, UNLESS SPECIFIED OTHERWISE ON THE WIRING DIAGRAM. ALL 120 VAC & 24VDC MACHINE AND FIELD WIRING MUST BE NO LESS THAN 14 AWG, UNLESS SPECIFIED OTHERWISE ON THE WIRING DIAGRAM. LINE AND LOAD SIDES OF 120 VAC AND 24 VDC FUSE BLOCKS AND CIRCUIT BREAKERS MUST BE NO LESS THAN 14 AWG. CONTROL PANEL WIRING TO PLC I/O MAY BE 16 AWG WITHIN THE CONTROL ENCLOSURE. 24 VDC CONTROL WIRING AFTER A PDB OR TERMINAL BLOCK MAY BE 16 AWG WITHIN THE CONTROL ENCLOSURE.
 8. CAPWAY SUPPLIED J-BOXES INCLUDE MULTIPLE TERMINALS WITH THE SAME WIRE NUMBER WHICH ARE JUMPERED. ELECTRICAL INSTALLER ONLY NEEDS TO RUN ONE (1) WIRE OF THAT NUMBER BETWEEN CAPWAY'S ENCLOSURES.
 9. ALL FOREIGN SIGNAL WIRING TERMINATING IN CAPWAY'S ELECTRICAL ENCLOSURE SHALL BE CLASS 2 WIRE.

- NOTES FOR ALL EQUIPMENT ASSEMBLIES**
- A. NO SENSORS, SOLENOID, OR OTHER DEVICES MOUNTED ON CAPWAY EQUIPMENT SHALL HAVE A CABLE EXCEEDING 2 METERS. SPLICE BOXES SHALL BE ADDED WHERE NEEDED.
 - B. NO CONVEYOR WIRING, SEALTITE OR CABLING SHALL BE ANY LOWER THAN THE CONVEYOR LEG CROSS-BRACING.
 - C. HUBBELL MOTOR DISCONNECTS SHALL BE MOUNTED WITH THE MYERS-HUB (3/4") UP (TOP) FOR FIELD CONTRACTOR WIRING. CAPWAY WILL ONLY USE BOTTOM OR SIDE ENTRY. SPACERS TO BE USED IF CONVEYOR EDGES, LIPS, OR BRACES INTERFERE WITH ENTRANCE TO THE MYERS-HUB.
 - D. MOTOR DISCONNECT SHALL BE LOCATED WITHIN 36" (915mm) OF MOTOR CONDUIT BOX.
 - E. ALL CONDUIT AND CABLING SHALL BE RUN ON THE INSIDE OF THE FRAME OR PROFILE.

- NOTES FOR WASHDOWN RATED ASSEMBLIES**
- AA. ALL COMPONENTS AND BOXES WILL BE TYPE 4 OR TYPE 4X.
 - BB. PHOTOEYES WILL BE ON SPACERS.
 - CC. STAND-OFF'S ARE REQUIRED FOR ALL COMPONENTS, BOXES, AND FASTENING DEVICES.
 - DD. NO BUNDLING OF CONDUIT OR CABLE WILL BE PERMITTED.
 - EE. CAPWAY SHALL ONLY USE SIDE AND BOTTOM ENTRANCE TO ALL ELECTRICAL BOXES AND ENCLOSURES.
 - FF. SEALING RINGS WILL BE USED ON ALL CONDUIT AND STRAIN RELIEF FITTINGS, OR THE FITTINGS MUST BE APPROVED FOR THE PURPOSE.

- TERMINAL BLOCK LEGEND**
- = BACKPLATE TERMINAL.
 - = J-BOX TERMINAL.
 - = DIT TERMINAL.
 - ◇ = SPLICE CONNECTION
 - = CONNECT INCOMING WIRE TO DEVICE IN MAIN ELECTRICAL ENCLOSURE.

E3281-01-401
AMF/BBU Elkhart

Elkhart, TX.

capway systems inc.
725 Vogelsong Road, York, PA 17404

**ELECTRICAL WIRING DIAGRAM FOR 480 VOLT
CAD-1-42-C MODEL 2000 AUTO-ADJUST DEPANNER**

REV	DATE	DESCRIPTION	SCALE	PROJECTION	DRAWN BY	ORDER NUMBER	DRAWING NUMBER	REV
1	7/27/12	REV'D MTR FUSE	10 = 10 ±0.5 mm	10.0 = 10 ±0.2 mm	JRJ	E3281	D-10773	1
2	7/27/12	ADD SECOND TEST PTS			JRJ			2
3	6/27/12	ADD MTR FMS			JRJ			3
4	6/27/12	REV			JRJ			4

SCALE: NTS
DATE: 4/13/12
APP'D. BY: LANDIS

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