

HEATLESS DESICCANT AIR DRYER

ELECTRICAL SCHEMATICS

WIRING METHODS
POWER 460V = BLACK THHN
120VAC = RED 16AWG
NEUTRAL = WHITE 16AWG
24VDC = BLUE 18AWG
24V COMMON = WHITE/BLUE 18AWG
GROUND = GREEN

SCHEMATIC TYPICAL INDEX
POWER DISTRIBUTION/BRANCH CIRCUITS
PLC BASE UNIT INPUT/OUTPUTS
PLC OUTPUT CARD
PLC THERMOCOUPLE CARD
TERMINAL LAYOUTS
ENCLOSURE

MAX VOLTAGE_____115_____

TOTAL MCA_____1.6 AMP_____

LARGEST MOTOR FLA____N/A____

NUMBER OF PHASES_____1_____

FREQUENCY_____60HZ_____

CUSTOMER SERIAL

NO._____

UNDERWRITERS LAB SERIAL

NO.____

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LISTED

 Underwriters Laboratories Inc.®
LISTED

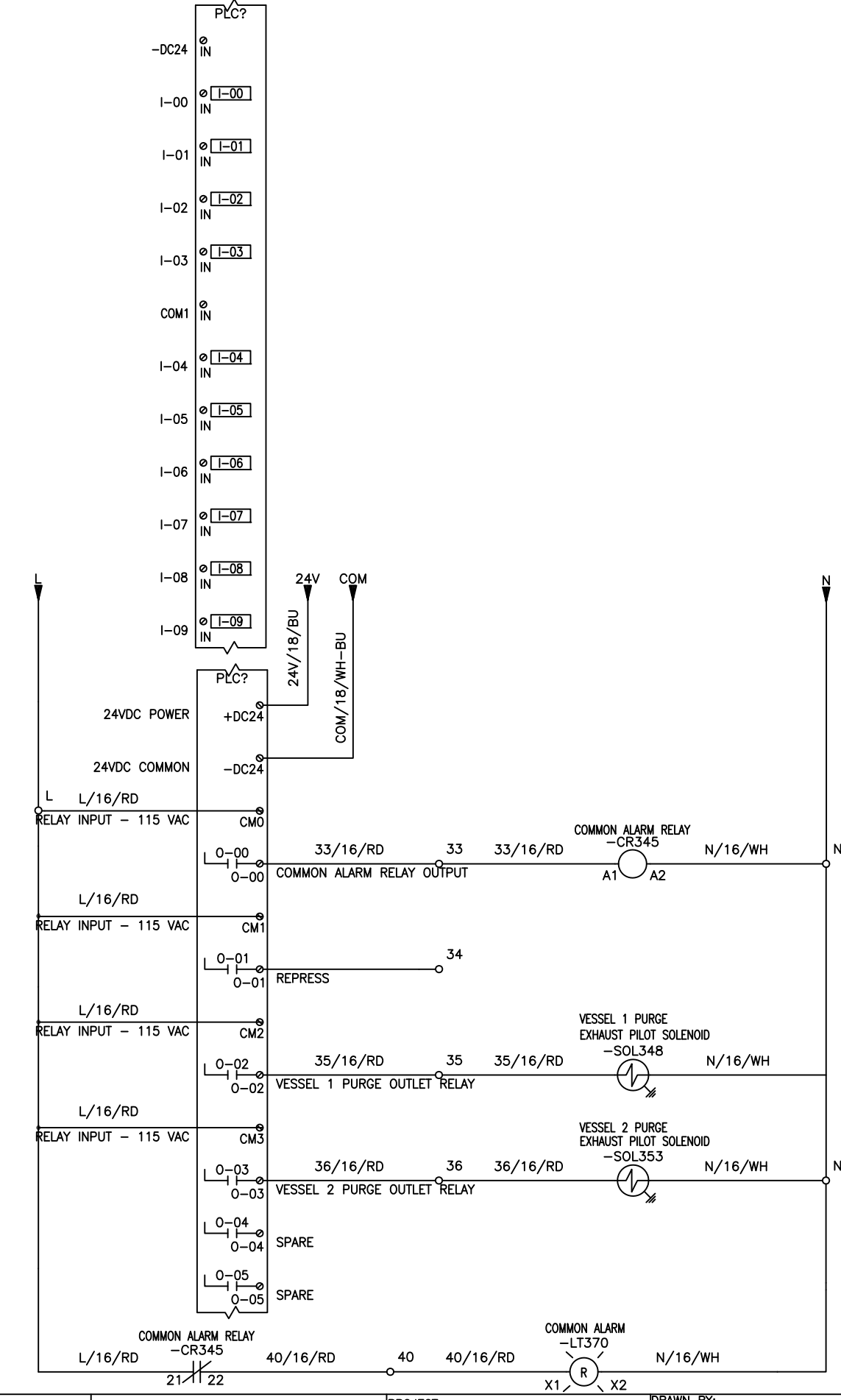
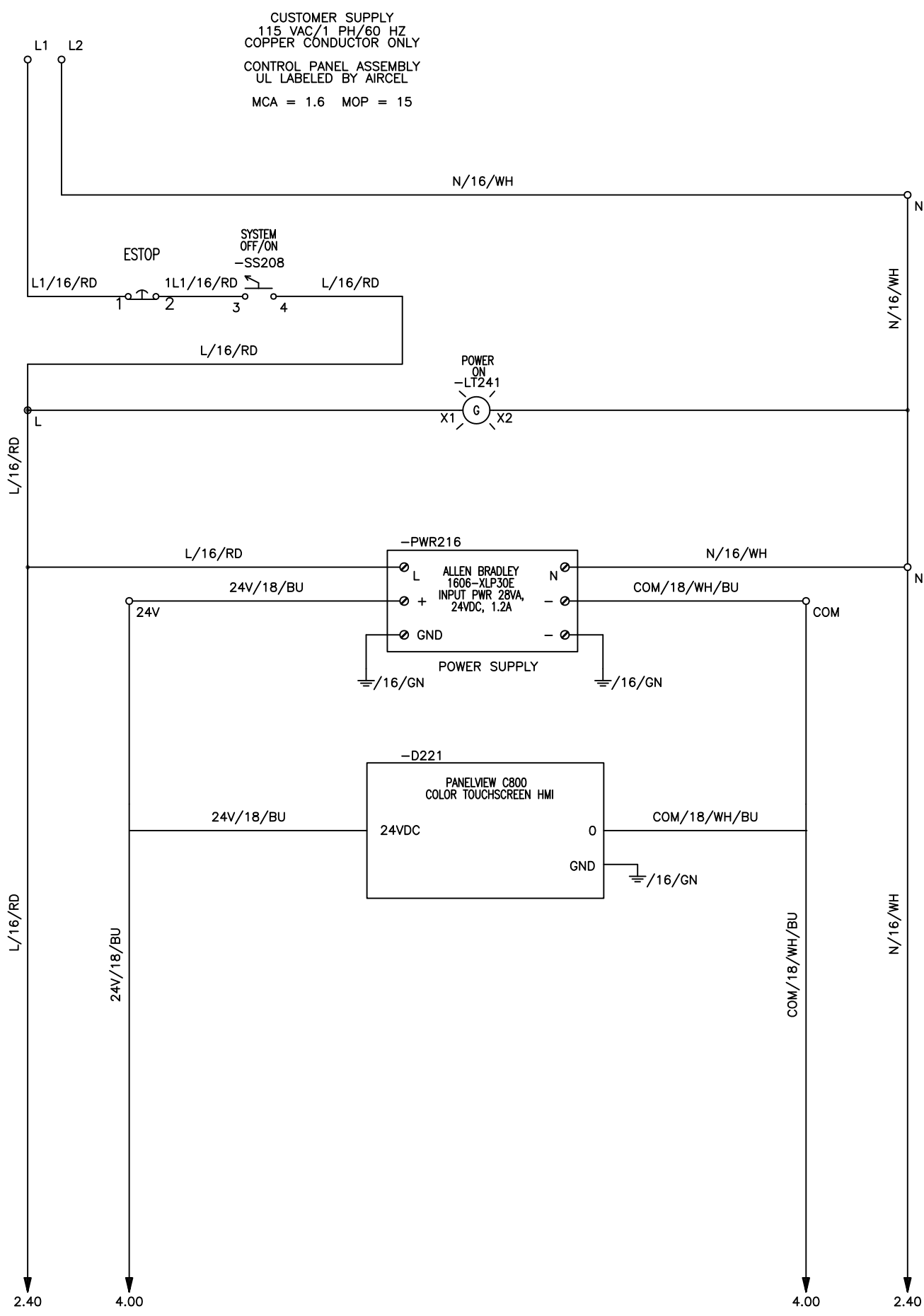
Test Wire Size Installed In Connector AWG or MCM (mm ²)		Tightening Torque, Pound-Inches (N.m)			
		Slotted Head No. 10 and Larger ¹		Hexagonal Head - External Drive Socket Wrench	
		Slot Width - 0.047 Inch (1.2 mm) or Less and Slot Length 1/4 Inch (6.4 mm) or Less	Slot Width - Over 0.047 Inch (1.2 mm) or Slot Length - Over 1/4 Inch (6.4 mm)	Split-Bolt Connectors	Other Connectors
18-10	(.082-5.3)	20 (2.3)	35 (4.0)	80 (9.0)	75 (8.5)
8	(8.4)	25 (2.8)	40 (4.5)	80 (9.0)	75 (8.5)
6-4	(13.3-21.2)	35 (4.0)	45 (5.1)	165 (18.6)	110 (12.4)
3	(26.7)	35 (4.0)	50 (5.6)	275 (31.1)	150 (16.9)
2	(33.6)	40 (4.5)	50 (5.6)	275 (31.1)	150 (16.9)
1	(42.4)	-	50 (5.6)	275 (31.1)	150 (16.9)
1/0-2/0	(53.5-67.4)	-	50 (5.6)	385 (43.5)	180 (20.3)
3/0-4/0	(85.0-107.2)	-	50 (5.6)	500 (56.5)	250 (28.2)
250-350	(127-177)	-	50 (5.6)	650 (73.4)	325 (36.7)
400	(203)	-	50 (5.6)	825 (93.2)	325 (36.7)
500	(253)	-	50 (5.6)	825 (93.2)	375 (42.4)
600-750	(304-380)	-	50 (5.6)	1000 (113.0)	375 (42.4)
800-1000	(406-508)	-	50 (5.6)	1000 (124.3)	500 (56.5)
1250-2000	(635-1010)	-	-	1100 (124.3)	600 (67.8)

TABLE 7.4:

¹ For values of slot width or length not corresponding to those specified, select the largest torque value associated with the

conductor size. Slot width is the nominal design value. Slot length is measured at the bottom of the slot.

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		/		PAGE DESCRIPTION ELECTRICAL SCHEMATICS	JOB NO.	DRAWING NUMBER:
		/		PAGE DESCRIPTION TORQUE TABLE		AG3956009-1 OF 7



700-HLT		
376	370	
373		

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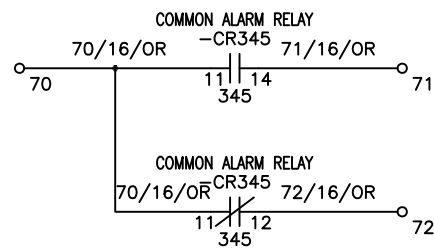
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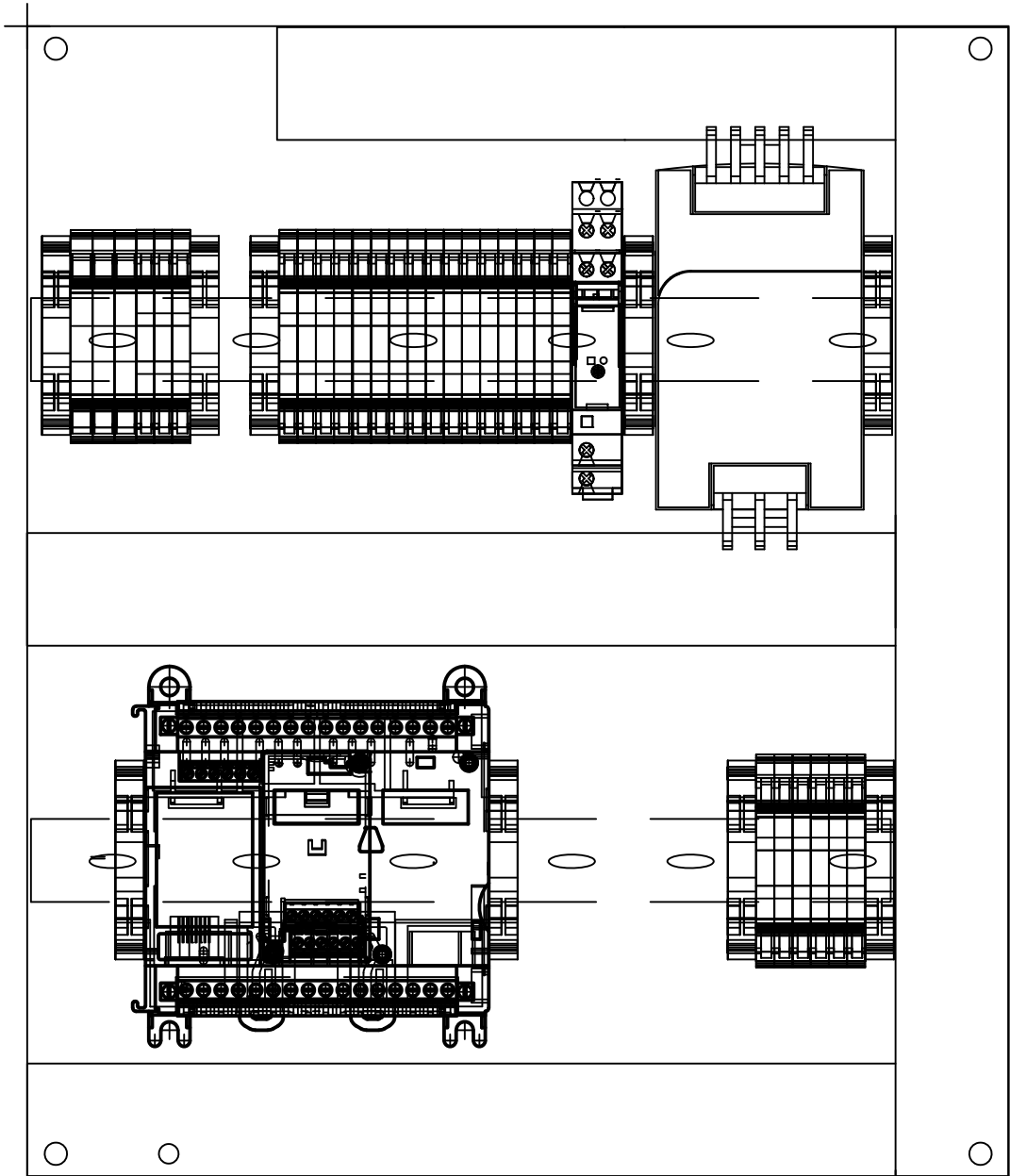
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		/		PAGE DESCRIPTION ANALOG INPUTS		

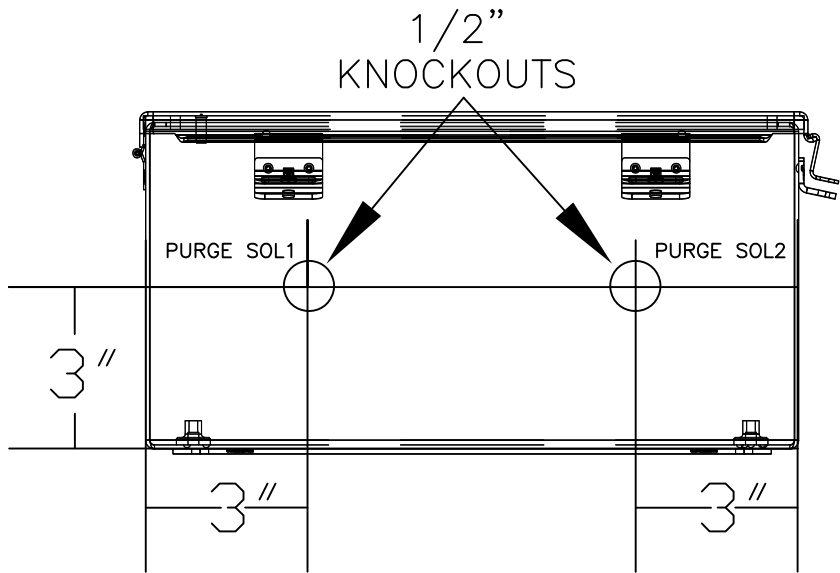
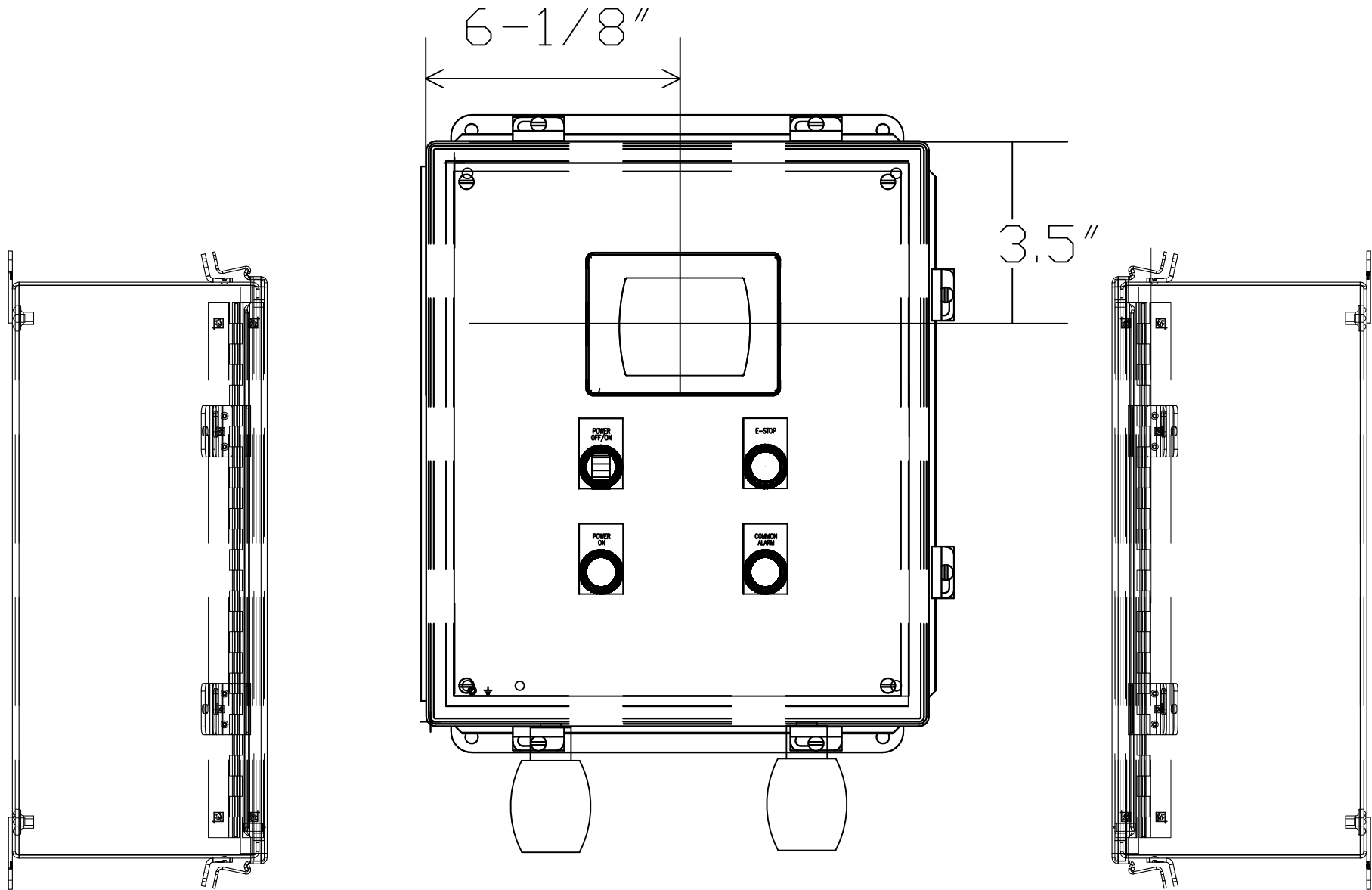


Description for BOM	Line Number	Stock Number	QTY
PLC, MICRO-820	10	AG3942710	1
PLC, ANALOG CARD	20	AG3942710	1
RELAY, SCREW TYPE, DPDT	30	AG3948855	1
ANCHOR, SCREW END, GRAY	40	AG3251901	6
TERMINAL BLOCK,GRAY, J3	50	AG3933345	14
TERMINAL BLOCK, BLUE, J3	60	AG3933672	4
TERMINAL BLOCK, GREEN/YELLOW, J3	70	AG3933346	2
TERMINAL BLOCK, GRAY, J4	80	AG3253101	2
TERMINAL BLOCK, GREEN/YELLOW, J4	90	AG3253001	1
POWER SUPPLY, 24VDC	100	AG3934654	1
PANEL, BACKPLATE, FITS 14x12	110	AG3197201	1
COVER, WHITE DUCT, 1"	120	AG3480590	7.5

END ANCHOR
L1 – J4
L2 – J4
GND – J4
50
51
52
END ANCHOR

END ANCHOR
N
N
N
N
N
N
L
L
L
L
L
L
GND
GND
GND
GND
RELAY DPDT
END ANCHOR
24V PWR SPLY
END ANCHOR
END ANCHOR

END ANCHOR
24V
24V
24V
COM
COM
COM
END ANCHOR
5V PWR SPLY
END ANCHOR



Description for BOM	Line Number	Stock Number	QTY
ETHERNET PATCH CABLE, 5'	130	AG3935891	1
HMI, PANELVIEW C800 - 4"	140	AG3992107	1
LIGHT, LED, GREEN, PILOT	150	AG3956015	1
LIGHT, LED, RED, PILOT	160	AG3956016	1
SWITCH, 2-POSITION	170	AG3956014	1
SWITCH, E-STOP	180	AG3956026	1
ENCLOSURE, 14X12, POLYCARB	190	AG3956011	1
VALVE, SOLENOID, 3 WAY, NEMA 4, 1/4"	200	AG3101501	2
HUB, MYERS, 1/2"	210	AG3288701	2
NIPPLE, CONDUIT, 1/2" x CLOSE	220	AG3342801	2

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		PAGE DESCRIPTION DOOR LAYOUT		

