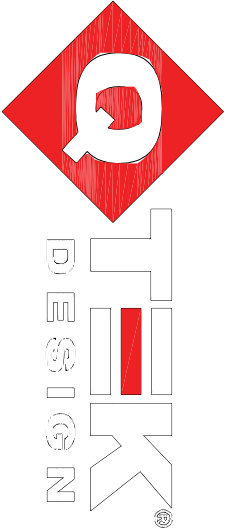
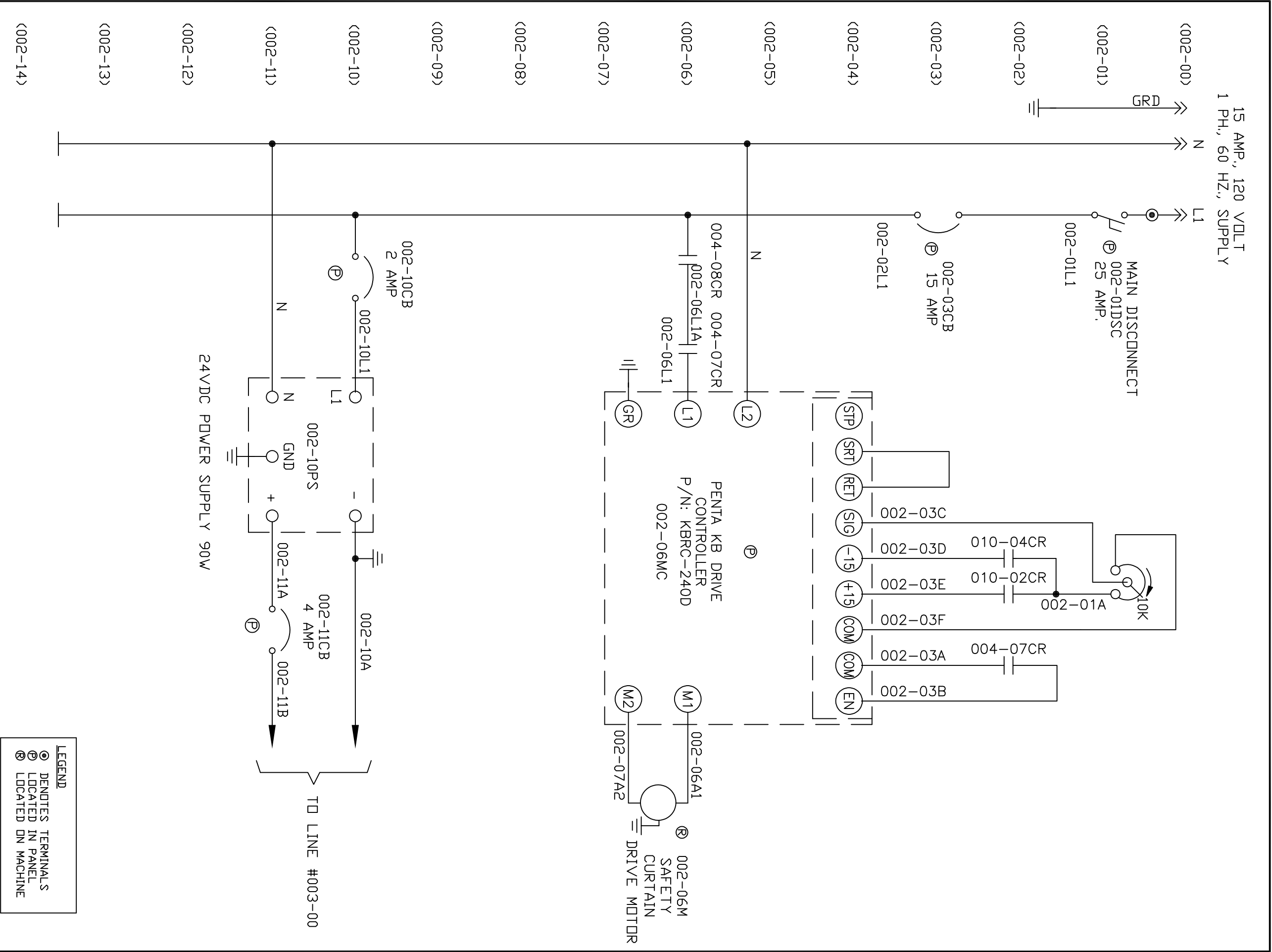
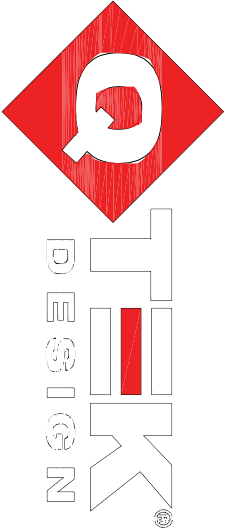


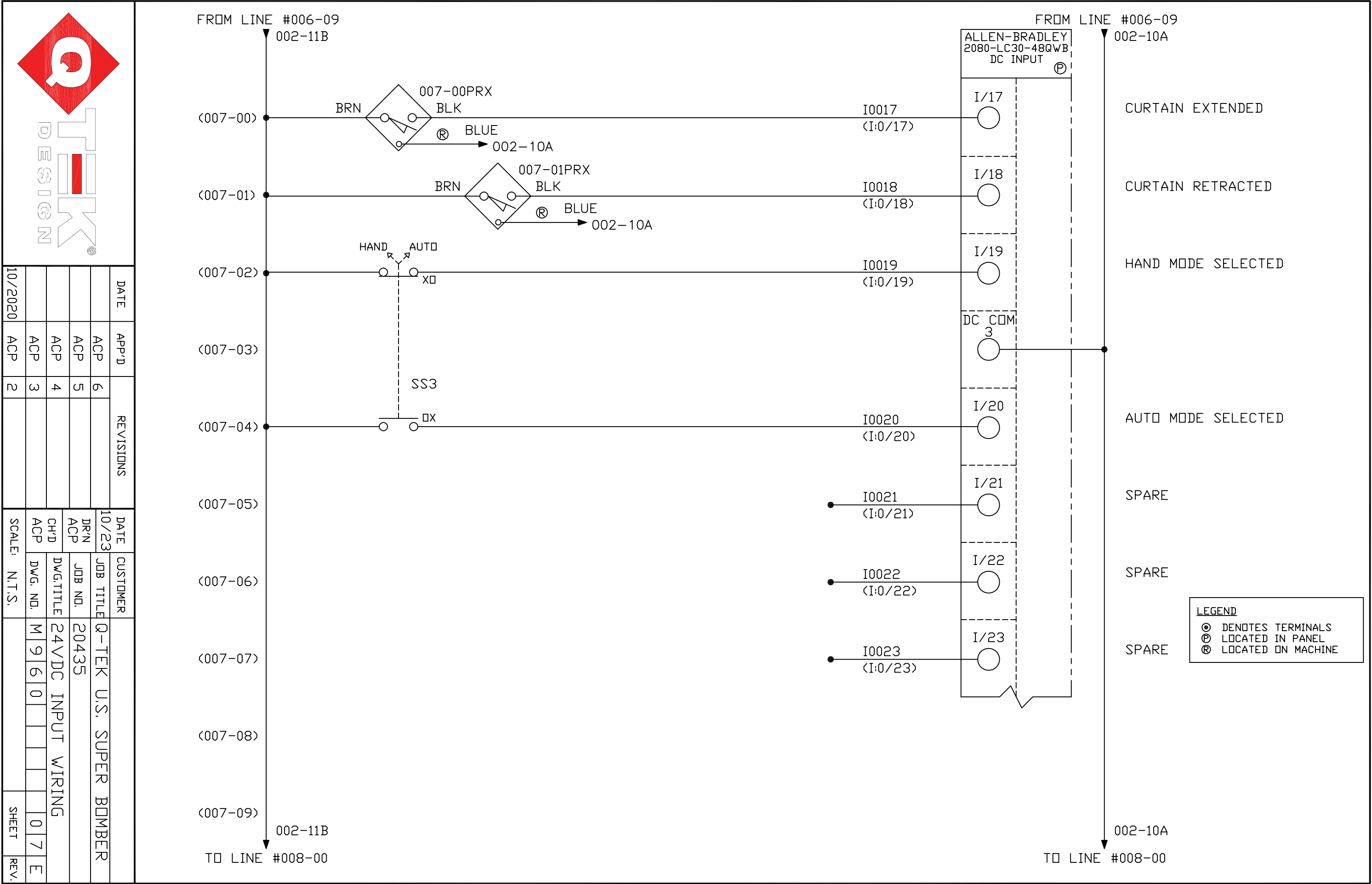
DRAWING NUMBER	DRAWING TITLE	REV
M9601015-000	DRAWING INDEX	E
M9601015-001	120VAC OPTIDNAL HEATER CIRCUIT	C
M9601015-002	120 VAC CONTRDL WIRING	D
M9601015-003	24 VDC CONTRDL WIRING	D
M9601015-004	24 VDC SAFETY RELAY WIRING	D
M9601015-005	24 VDC INPUT WIRING	E
M9601015-006	24 VDC INPUT WIRING	E
M9601015-007	24 VDC INPUT WIRING	E
M9601015-008	24 VDC INPUT WIRING	D
M9601015-009	24 VDC OUTPUT WIRING	E
M9601015-010	24 VDC OUTPUT WIRING	E
M9601015-011	24 VDC DUTPUT WIRING	D
M9601015-012	24 VDC DUTPUT WIRING	B
M9601015-013	PB PANEL LAYOUT	E
M9601015-014	PANEL DDDR LAYOUT	C
M9601015-015	PANEL BACKPLATE LAYOUT	C
M9601015-016	SPARE	0
M9601015-017	BILL DF MATERIALS	H
M9601015-018	CABLE WIRING CHART	C
M9601015-019	SPARE	0
M9601015-020	NETWDRK LAYOUT	A
M9601015-021	SPARE	0
M9601015-022	SPARE	0
M9601015-023	SPARE	0
M9601015-024	SPARE	0
M9601015-025	SPARE	0
M9601015-026	SPARE	0
M9601015-027	SPARE	0
M9601015-028	SPARE	0
M9601015-029	SPARE	0
M9601015-030	SPARE	0
M9601015-031	SPARE	0
M9601015-032	SPARE	0
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M9601015-035	SPARE	0
M9601015-036	SPARE	0
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M9601015-040	SPARE	0
M9601015-041	SPARE	0
M9601015-042	SPARE	0
M9601015-043	SPARE	0
M9601015-044	SPARE	0
M9601015-045	SPARE	0
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M9601015-047	SPARE	0
M9601015-048	SPARE	0
M9601015-049	SPARE	0

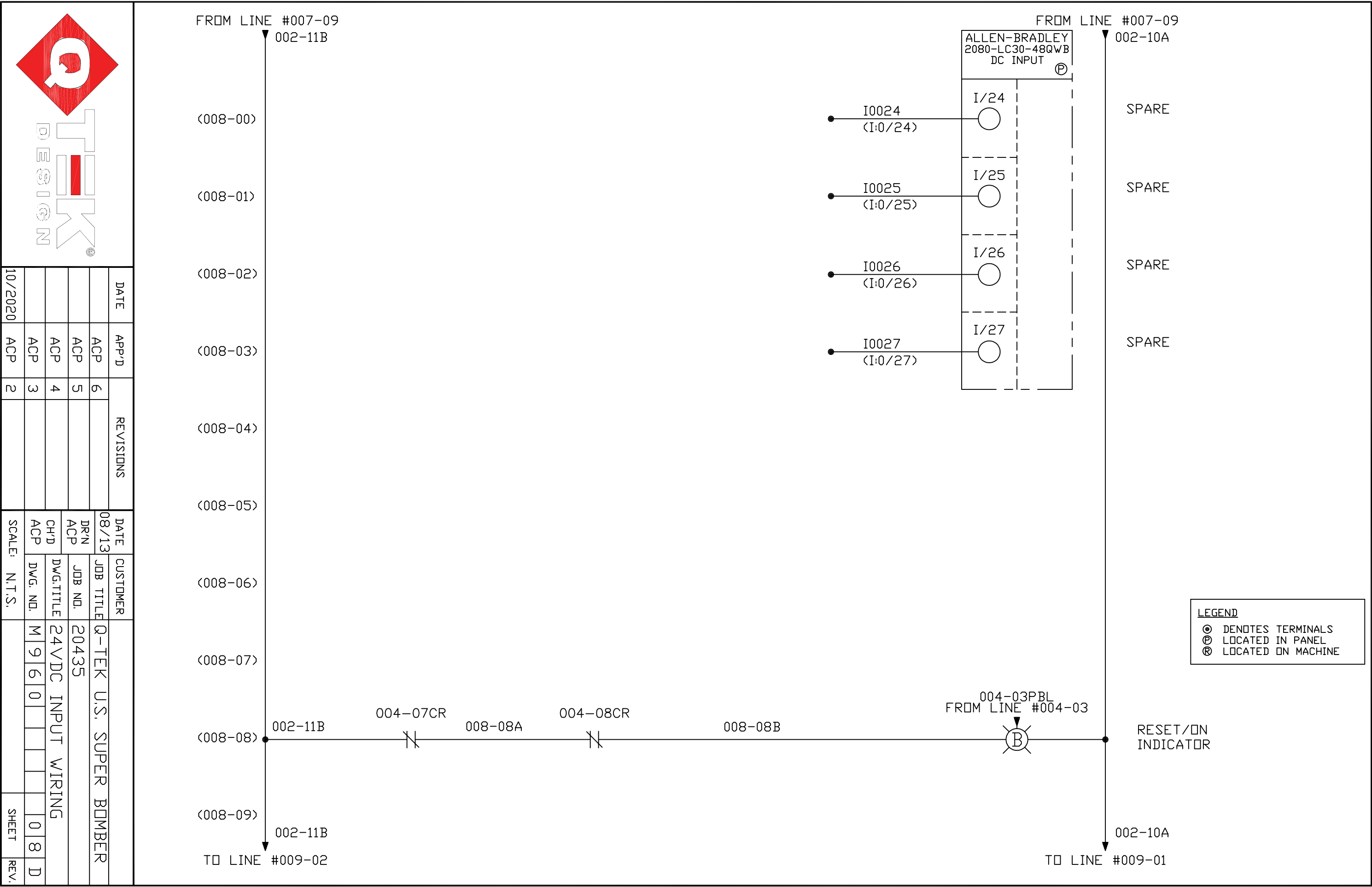
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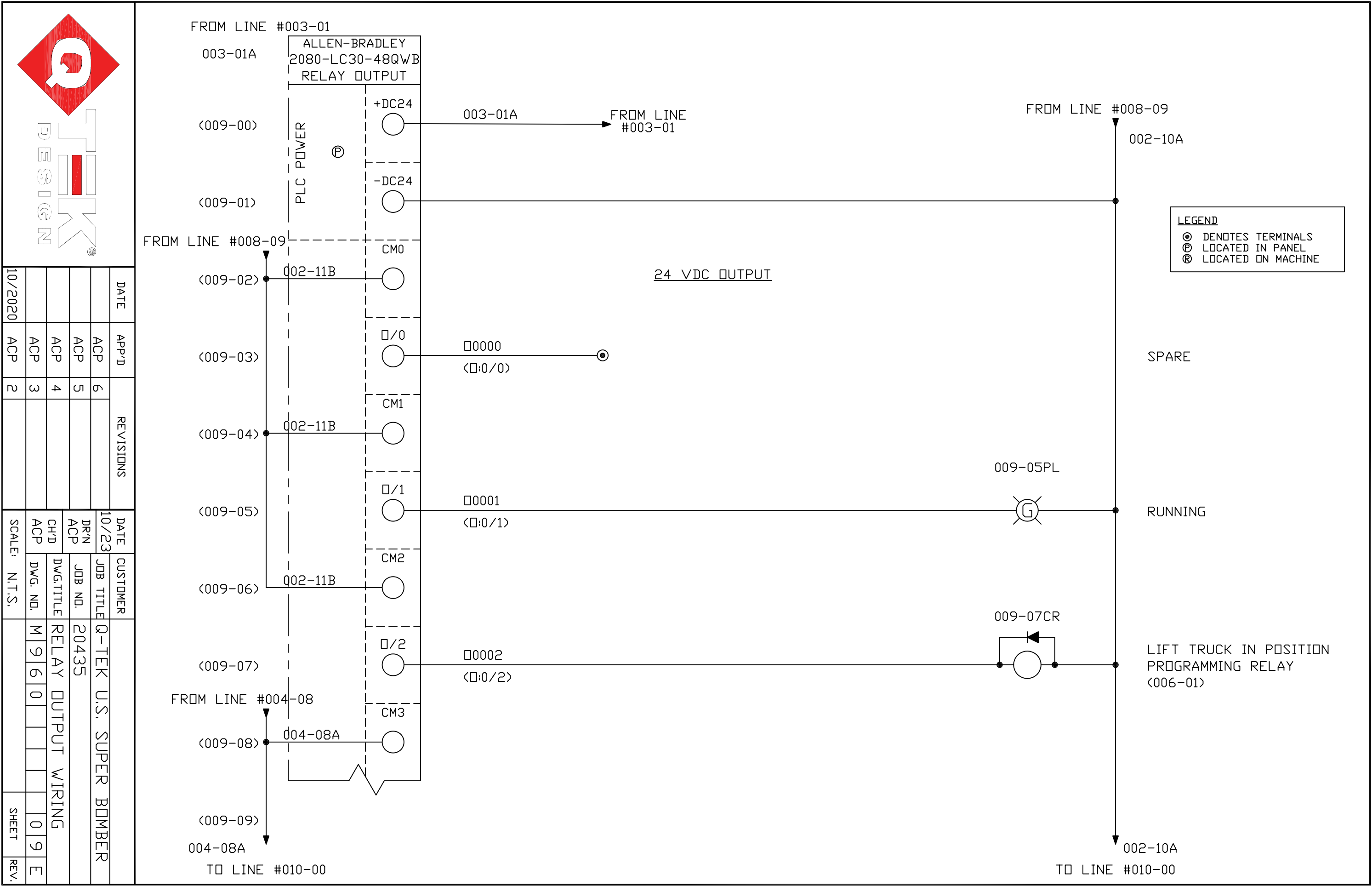
	DATE	APP'D	REVISIONS		DATE	CUSTOMER													
		ACP	6		10/23	JOB TITLE	Q-TEK SUPER BOMBER												
		ACP	5		DRN ACP	JOB NO.	20435												
		ACP	4		CH'D ACP	DWG.TITLE	DRAWING INDEX												
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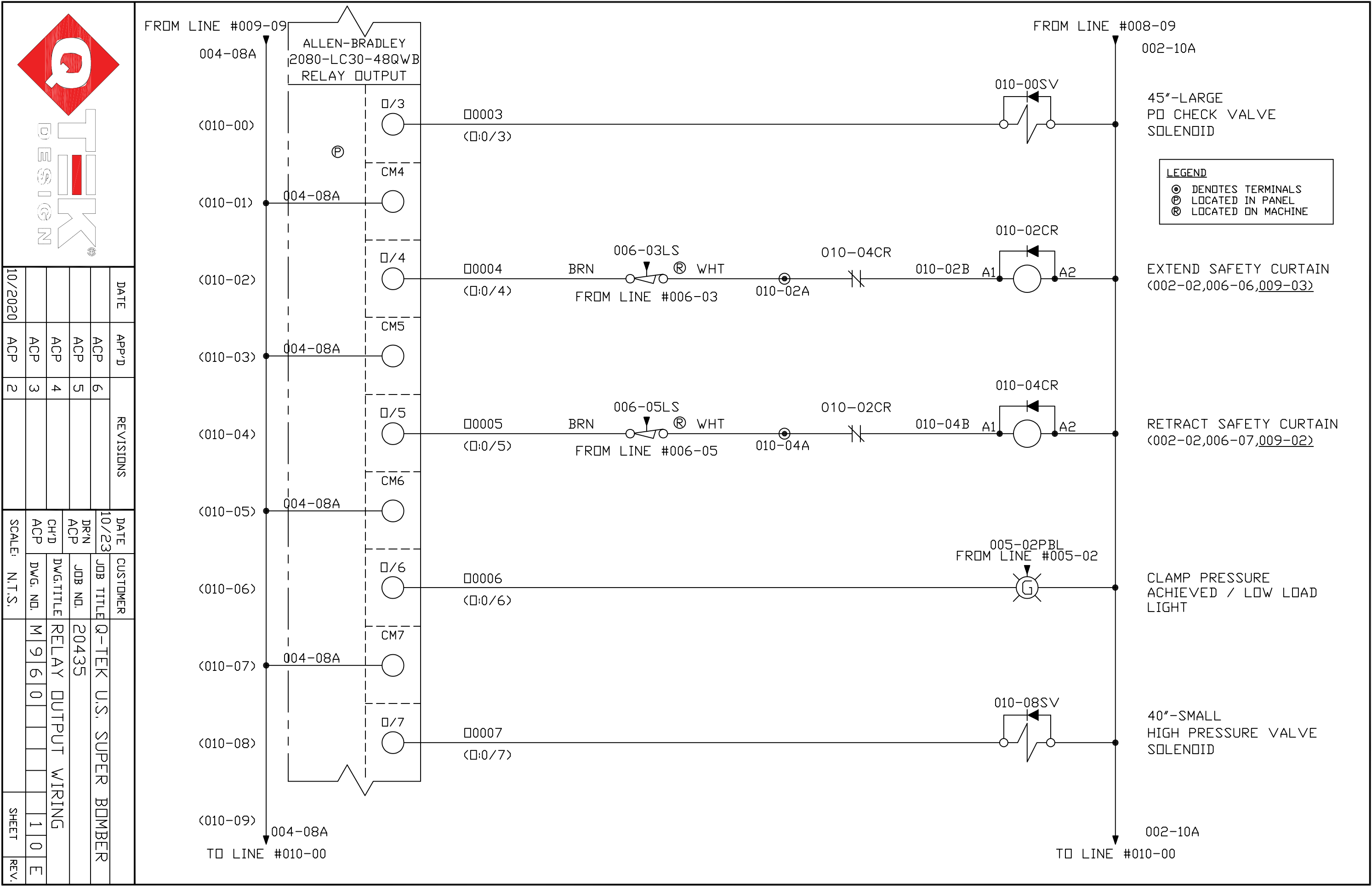


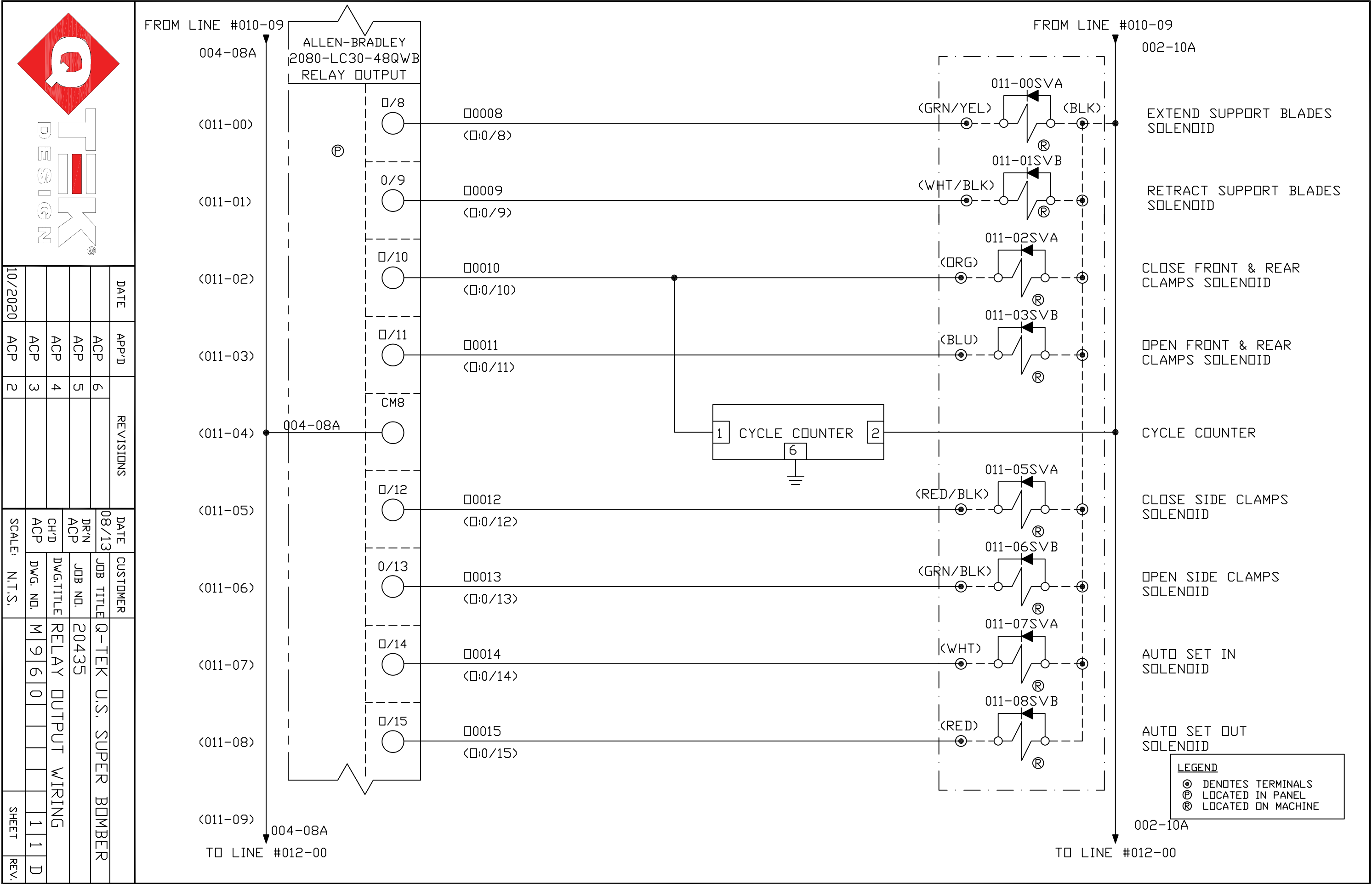
	DATE	APP'D	REVISIONS		DATE	CUSTOMER	
		ACP	6		10/23	JOB TITLE	Q-TEK U.S. SUPER BOMBER
		ACP	5		DRN ACP	JOB NO.	20435
		ACP	4		CH'D ACP	DWG. TITLE	120 VAC CONTROL WIRING
		ACP	3		ACP	DWG. NO.	M 9 6 0
	ACP	2			SCALE: N.T.S.		SHEET REV.

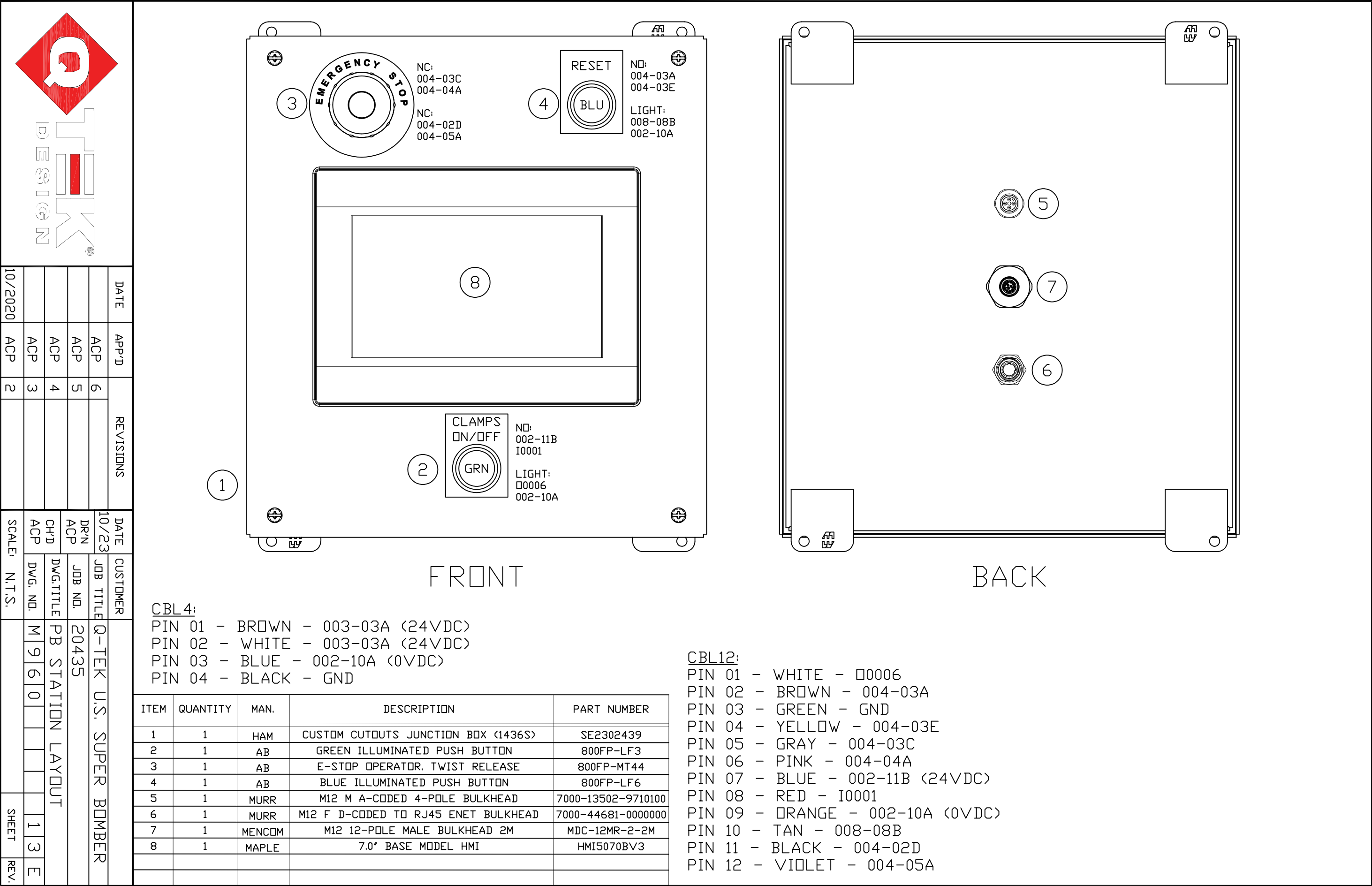


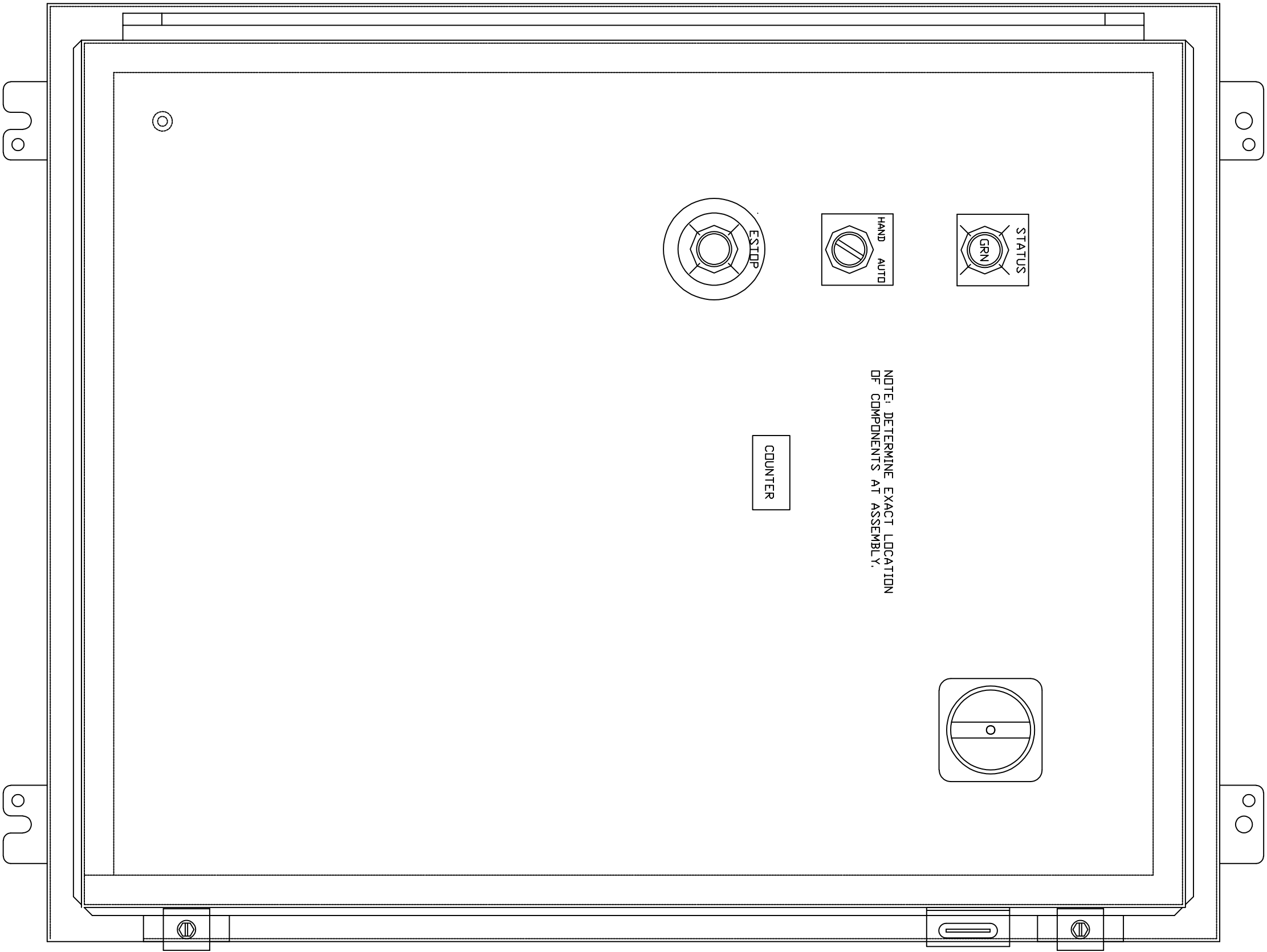


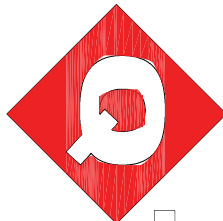


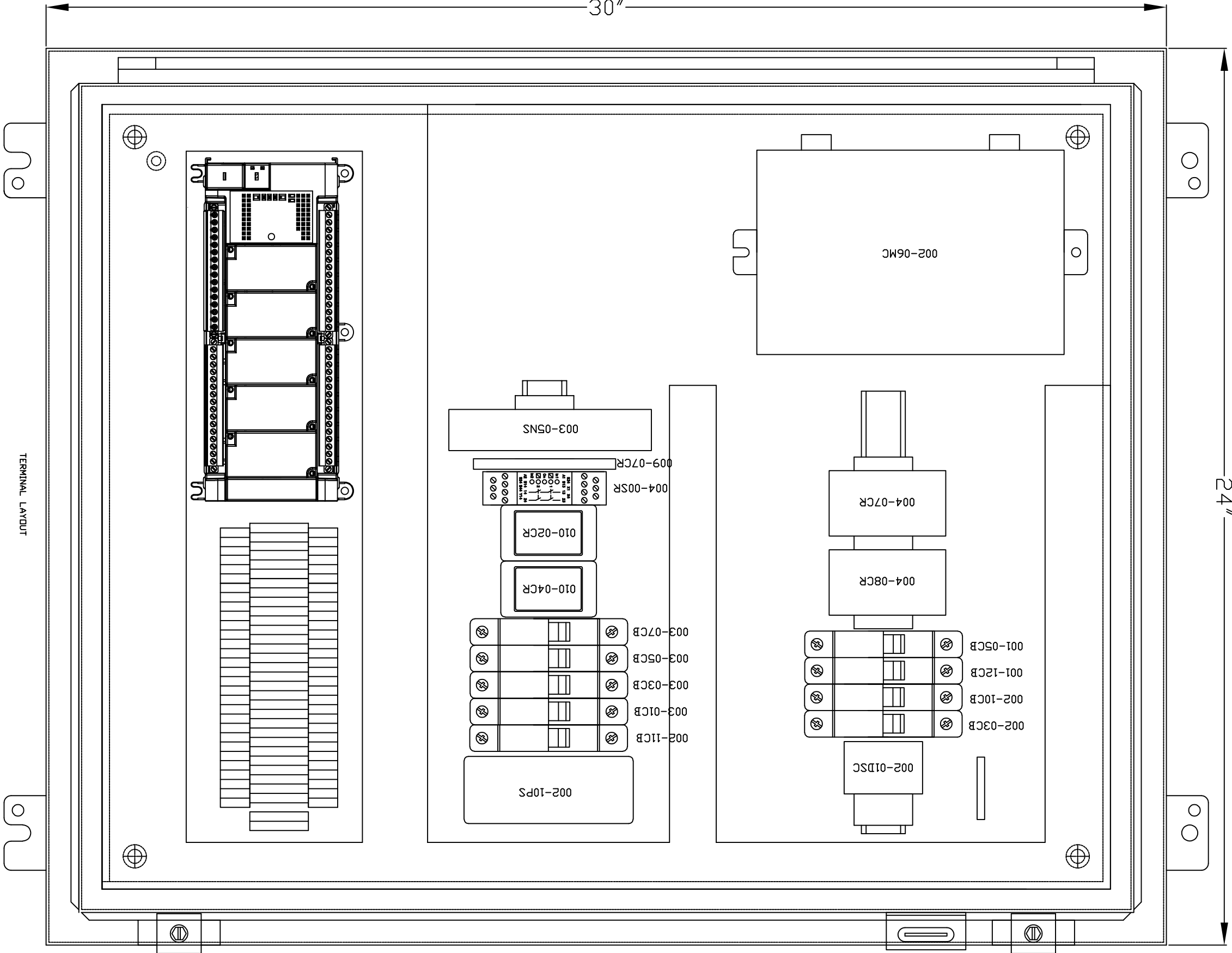






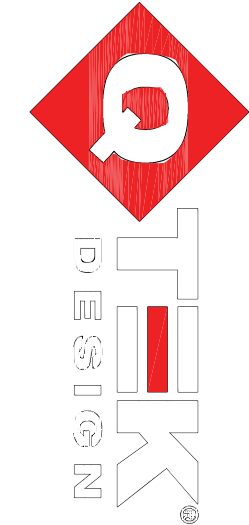


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		ACP		6						08/13		Q-TEK U.S. SUPER BOMBER																	
		ACP		5						DRN ACP		JOB NO. 20435																	
		ACP		4						CH'D ACP		DWG. TITLE PANEL DOOR LAYOUT																	
		ACP		3						DWG. NO.		M960114C																	
		ACP		2						SCALE: N.T.S.		SHEET REV.																	



002-10A	002-11B
002-10A	002-11B
002-10A	002-11B
002-10A	002-11B
002-10A	002-11B
002-10A	002-11B
002-10A	002-11B
002-10A	002-11B
003-03A	003-07A
004-03C	004-02A
004-03D	004-02C
004-03E	004-02D
004-04A	004-02E
004-05A	004-03A
004-08A	004-03B
004-09A	004-03C
004-09B	
010-02A	
010-04A	I0001
	I0002
	I0003
	I0004
	I0005
	I0006
	I0008
	I0009
	I0010
	I0011
	I0012
	I0015
	I0016
	I0017
	I0018
	I0019
	I0020
	I0021
	I0022
	I0023
SPARE	SPARE
SPARE	SPARE
SPARE	006-01A


002-06A1
002-07A2
004-02E
004-03E
004-03D
004-09A
008-08B

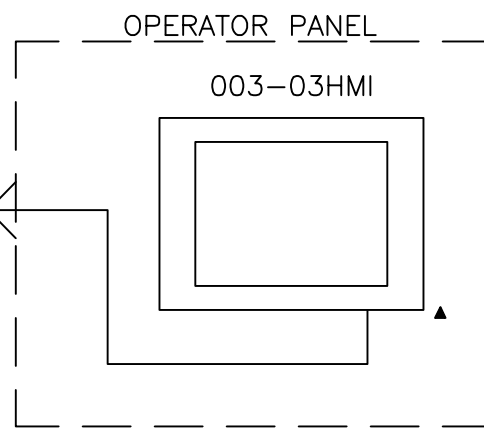


DATE	APP'D	REVISIONS		DATE	CUSTOMER	
	ACP	6		10/23	JOB TITLE	Q-TEK U.S. SUPERBOMBER
	ACP	5		ACP	JOB NO.	20435
	ACP	4		CH'D	DWG. TITLE	PANEL BACKPLANE LAYOUT
	ACP	3		ACP	DWG. NO.	M 9 6 0
08/13	ACP	2		SCALE:	N.T.S.	
						SHEET
						REV.

BILL OF MATERIAL

ITEM	QUANTITY	REFERENCE	MANUFACTURER	DESCRIPTION	PART NUMBER
1	1		KLASSENS	30"x24"x8" MILD STEEL ENCL. NEMA 12	CUSTOM
2	1		ABB	3 POLE, NON-FUSE, 25A, 20HP/600V	DT35F3
3	1		PENTA	KBPC SCR DRIVE - NEMA 4 2 HP 90V	KBRC-240D
4	4		SCHNIEDER	Multi C60BP UL489-MCB-1P-1A-C Curve	M9F42101
5	1		SCHNIEDER	Multi C60BP UL489-MCB-1P-2A-C Curve	M9F42102
6	3		SCHNIEDER	Multi C60BP UL489-MCB-1P-15A-D Curve	M9F42115
7	1		SCHNIEDER	Multi C60BP UL489-MCB-1P-3A-C Curve	M9F42103
8	A/R		PANDUIT	WIRE DUCT TYPE F LT GR Y 1X3	F1X3LG6/C1LG6
9	A/R		PANDUIT	WIRE DUCT TYPE F LT GR Y 2X3	F2X3LG6/C2LG6
10	1		ALLEN BRADLEY	Micro830 PLC 48 I/D C/w ENET	2080-LC30-48QWB
11	1		ALLEN BRADLEY	22.5mm GREEN ILLUMINATE PB	800FB-LF3
12	1		ALLEN BRADLEY	22.5mm ILL. PUSHBUTTON POWER MODULE	800FP-N3W
13	2		ALLEN BRADLEY	PUSHBUTTON CONTACT BLDCKS	800F-X10
14	1		ALLEN BRADLEY	22.5mm EMERGENCY STOP BUTTON	800FP-MT64
15	3		ALLEN BRADLEY	PUSHBUTTON CONTACT BLDCKS	800F-X01
16	1		ALLEN BRADLEY	22.5mm 2 POS. KEYED SELECTOR SWITCH	800FP-KM22
17	4		ALLEN BRADLEY	PUSHBUTTON LATCH	800F-ALP
18	2		PHOENIX	TERMINAL BLOCK	3044102
19	39		PHOENIX	TERMINAL BLOCK	3044636
20	2		PHOENIX	TERMINAL BLOCK END PLATE	3047293
21	3		PHOENIX	TERMINAL BLOCK	3044102
22	7		PHOENIX	TERMINAL BLOCK ENDPLATE	3047028
23	2		PHOENIX	2 POLE JUMPER	3030161
24	2		PHOENIX	10 POLE JUMPER	3030213
25	1		PHOENIX	3 POLE JUMPER	3030174
26	1		PHOENIX	TRID-PS/24VDC-5AMP	03275-000
27	2		ALLEN-BRADLEY	CONTACTOR-ELECTRONIC	100-C16EJ01
28	1		ABB	DISCONNECT HANDLE	DHB45J6
29	1		ABB	DISCONNECT SHAFT	DXP6X210
30	A/R		PHOENIX	DIN RAIL 35X7.5	0801733
31	1		ALLEN-BRADLEY	18MM BARREL PE THROUGH BEAM REC	42CA-R1MPA1-D4
32	1		ALLEN-BRADLEY	18MM BARREL PE THROUGH BEAM EMT	42CA-E1E2B1-C4
33	3		PHOENIX	4 PIN M12 90 DEG 5M CORDSET	1668247
34	1		PHOENIX	4 PIN M12 90 DEG 10M CORDSET	1681389
35	2		PHOENIX	4 PIN M12 STR 5M CORDSET	1668124
36	1		PHOENIX	5 PIN M12 STR 5M CORDSET	1669877
37	1		PHOENIX	3 PIN M8 90 STR 5M CORDSET	1415862
38	1		MENCOM	12 PIN MICRO STR 10M CORDSET	MDCM-12MFP-10-B
39	1		MENCOM	4 PIN MICRO 10M CORDSET	MDCM-4FP-10M
40	2		DMRON	18MM BARREL SHIELDED PROX 8MM PNP	E2A-M18KS08-M1-B1
41	1		ALLEN BRADLEY	SAFETY RELAY	440R-N23114
42	2		ALLEN BRADLEY	CONTROL RELAY	700-HA33Z24-3-4
43	2		ALLEN BRADLEY	CONTROL RELAY BASE	700-HN101
44	1		BAUMER	TOTALIZER COUNTER	IS130.013AA01
45	2		DMRON	LIMIT SW. DPDT 7DEG MAKE(PREWIRED)	D4A-110-2N
46	2		DMRON	LIMIT SWITCH ADJUST ROLLER ARM	D4A-C00
47	1		BANNER ENG.	MAGNETORESISTIVE SENSOR	S18MBQ
48	2		HAMMOND MFG	100W RESISTOR HEATER (OPTIONAL)	SHG14007
49	2		STEGO	FIXED THERMOSTAT (OPTIONAL)	01160.0-00
50	1		ALLEN BRADLEY	CONTROL RELAY, TB STYLE 24VDC SPDT	700-HL11Z24
51	1		PHOENIX	5-PORT UNMANAGED ETHERNET SWITCH	1085039
52	1		BAUMER	DIFFUSE SENSORS	DT500.GL-PLPLB.72F
53					
54					


 TEK DESIGN	DATE	APP'D	REVISIONS		DATE	CUSTOMER													
		RH	6		10/23	JOB TITLE	Q-TEK U.S. BOMBER												
		RH	5		DRN RH	JOB NO.	20435												
		RH	4		CH'D RH	DWG.TITLE	BILL OF MATERIAL												
		RH	3		RH	DWG. NO.	M	9	6	0	1	0	2	6	0	1	7	H	
		RH	2		SCALE:	N.T.S.													SHEET



PLC	192.168.1.5
003-03HMI	192.168.1.10

LEGEND

⊙	DENOTES	TERMINALS
Ⓟ	LOCATED	IN PANEL
Ⓡ	LOCATED	ON MACHINE
▲	LOCATED	AT OPERATORS STATION

																				
DATE	APP'D	REVISIONS		DATE	CUSTOMER															
	ACP	6		10/23	JOB TITLE	Q-TEK SUPER BOMBER														
	ACP	5		DRN ACP	JOB NO.	20435														
	ACP	4		CH'D ACP	DWG.TITLE	NETWORK LAYOUT														
	ACP	3			DWG. NO.	M	9	6	0								2	0	A	
	ACP	2		SCALE:	N.T.S.														SHEET	REV.