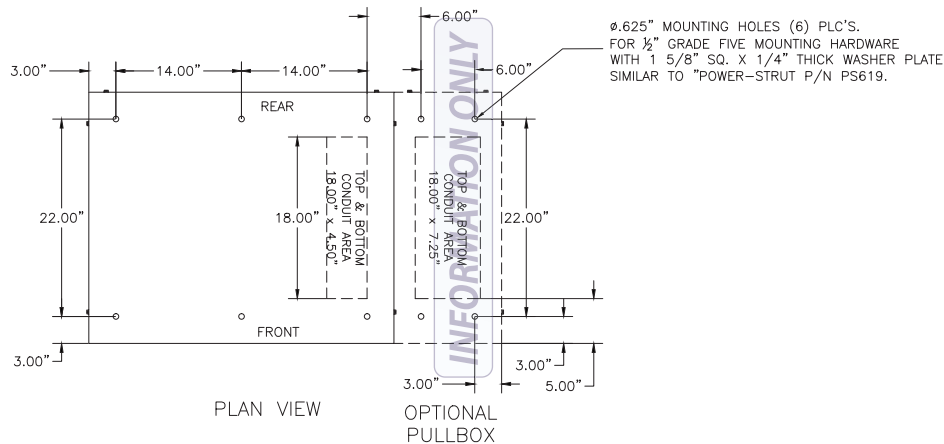
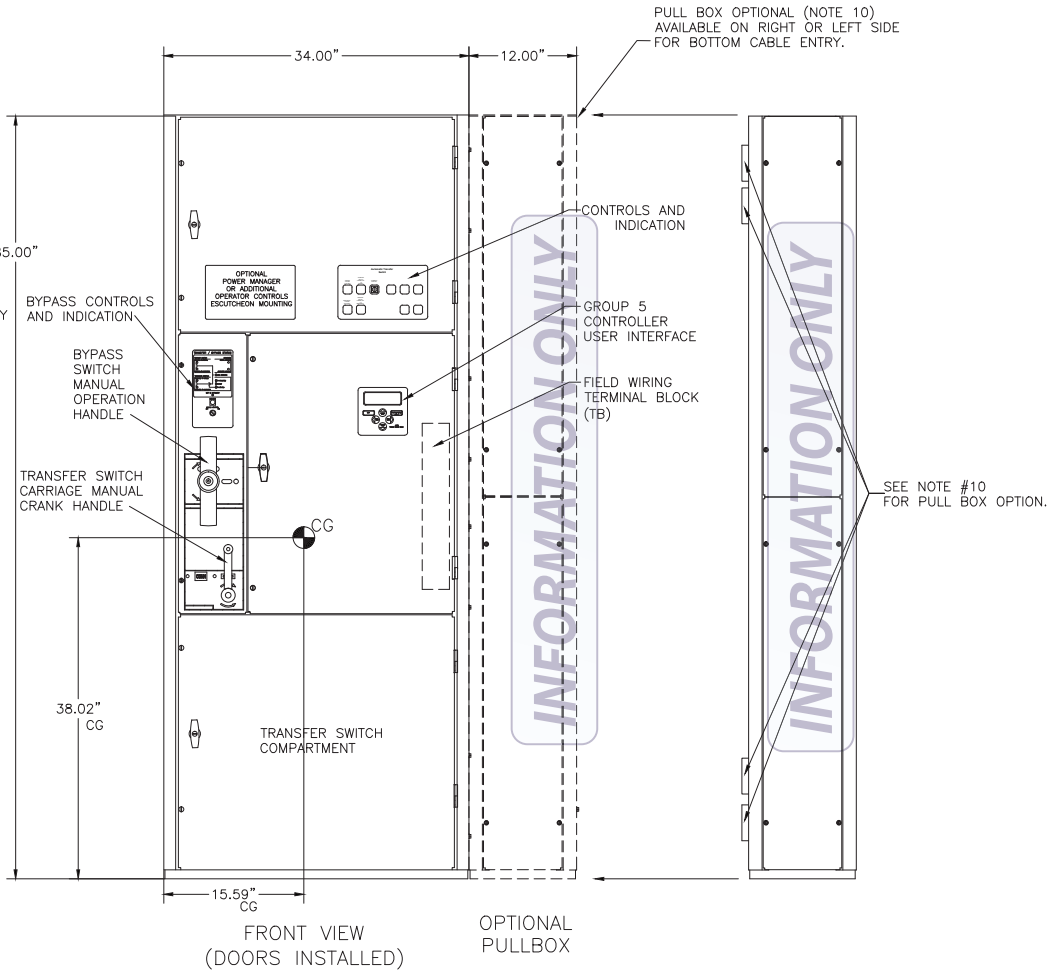
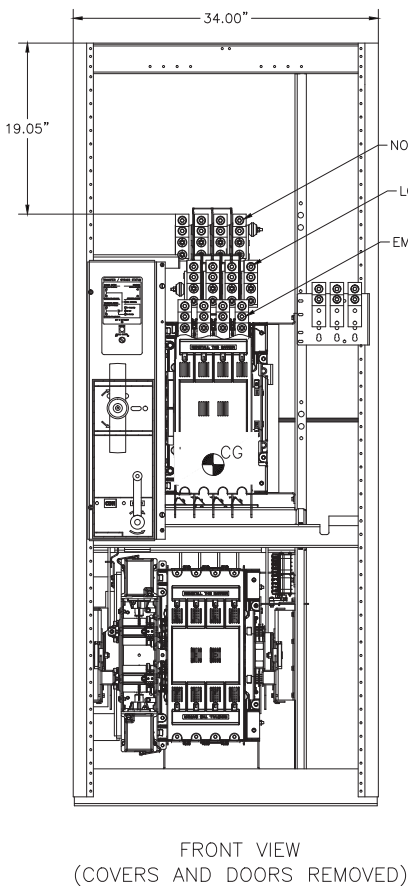
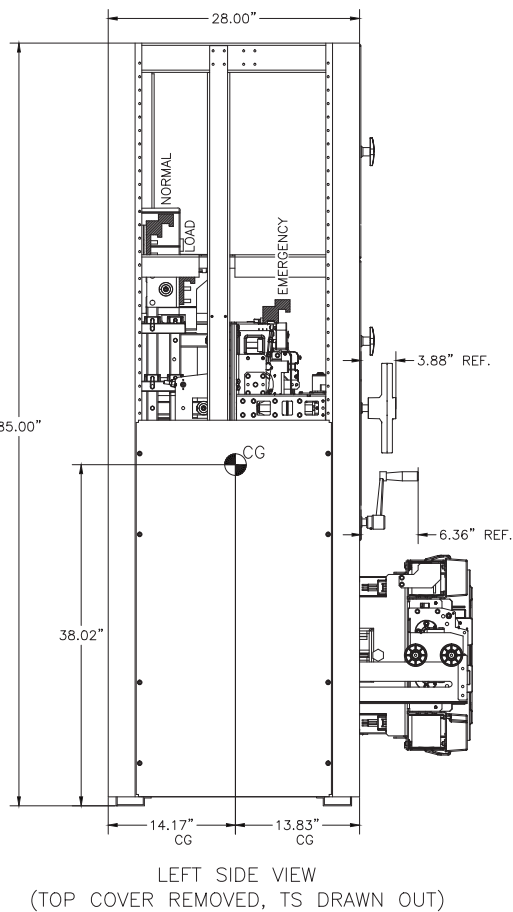
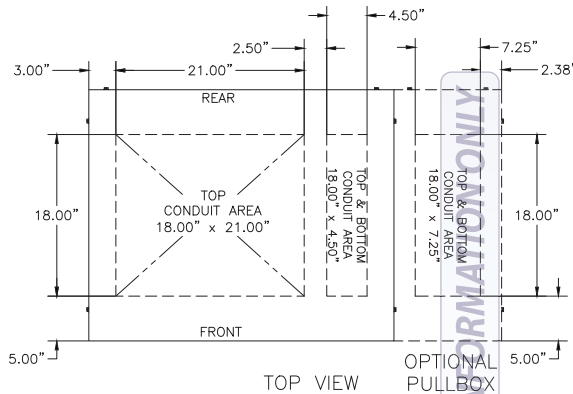


J Frame
Tags:
UP2ATSO7



GENERAL NOTES

- TYPE 1 ENCLOSURE. FREE STANDING. FLOOR MOUNTED. CODE GAUGE STEEL.
- ATB DOORS HAVE LOCKABLE HANDLES WITH COMMON KEYING AND CAPTIVE SCREWS.
- FINISH: ANSI 61 GRAY POLYESTER SEMI GLOSS ELECTROSTATIC POWDER.
- RECOMMENDED CLEARANCES:
FRONT: 38.00" INCHES REAR: NONE
- A FULL RATED NEUTRAL CONNECTION FOR EACH SOURCE AND THE LOAD IS OPTIONAL. WHEN PROVIDED IT IS AS SPECIFIED BY THE CATALOG NO.
A. SOLID (COPPER BUS) NEUTRAL (SHOWN)
B. SWITCHED NEUTRAL POLE
- DESIGNED FOR FRONT ACCESS.
- FOR SPECIFIED TRANSFER SWITCH, REFER TO OPERATOR'S MANUAL PROVIDED WITH UNIT.
- IF A PULL BOX IS PROVIDED, THE RIGHT OR LEFT SIDE SKINS ARE REMOVED FROM THE SWITCH ENCLOSURE AND (8) MOUNTING BLOCKS P/N 757047 ARE USED TO CONNECT THE TWO SECTIONS TOGETHER. REFER TO DRAWING 805550-002 FOR PULL BOX DETAILS.
- CENTER OF GRAVITY
- APPROXIMATE WEIGHT: 1150 LBS.

SPECIFICATIONS

- SERVICE VOLTAGE:
SYSTEM RATING: 150 AMPS, 260 AMPS, 400 AMPS, 600 AMPS, 3Ø, 4W OR 1Ø, 3W.
GROUND BUS- 20% RATED BUS IS PROVIDED.
SHORT CIRCUIT RATING- 65,000 RMS SYM AMPERES @ 240V
35,000 RMS SYM AMPERES @ 600V
- BATTERY VOLTAGE: N/A
- NEUTRAL BUS: 150 AMPS, 260 AMPS, 400 AMPS, 600 AMPS
- APPLICABLE LABELS: U.L. 1008.

TERMINATIONS

- ALL SIZES SUPPLIED STANDARD WITH MECHANICAL (SCREW TYPE) LUGS. (SEE AMP SIZE BELOW)
A. LUG MATERIAL: ALUMINUM ALLOY 6061-T6 WITH ELECTRO TIN PLATED FINISH.
B. SCREW MATERIAL: ALUMINUM ALLOY 6262-T9 WITH ELECTRO TIN PLATED FINISH.
C. UL LISTED, CSA CERTIFIED.
D. LUG SCREW TIGHTENING TORQUE PER UL 486B: 19 FT-LBS.
E. SUITABLE WIRE BENDING SPACE IS PROVIDED. (SEE AMP SIZE BELOW)
- OPTIONAL COPPER CRIMP LUGS MAY BE SUPPLIED. (SEE AMP SIZE BELOW)
A. LUG MATERIAL: HIGH CONDUCTIVITY WROUGHT COPPER FINISH, ELECTRO TIN PLATED.
B. UL LISTED, CSA CERTIFIED.
C. LUG MOUNTING HARDWARE TIGHTENING TORQUE: (REFER TO WITHSTAND CURRENT RATING LABEL PROVIDED ON EACH TRANSFER SWITCH).
D. SUITABLE WIRE BENDING SPACE IS PROVIDED. (SEE AMP SIZE BELOW)
- CONSULT FACTORY FOR OTHER TERMINATION REQUIREMENTS.

CABLING NOTES 150-400 AMPS

- SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON NORMAL, EMERGENCY & LOAD. ONE (1) LUG PER PHASE AND NEUTRAL SUITABLE FOR CONNECTION OF TWO (2) 1/0 AWG-250MCM CU/AL CABLE OR ONE (1) #4-600MCM CU/AL CABLE.
A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO ONE (1) 600MCM CU/AL CABLES PER TERMINAL PER NEC.
- GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS:
FOUR (4) LUGS, EACH SUITABLE FOR CONNECTION OF TWO (2) 1/0 AWG-250MCM CU/AL CABLE OR ONE (1) #4-600MCM CU/AL CABLE.

CABLING NOTES 600 AMPS

- SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON NORMAL, EMERGENCY & LOAD. ONE (1) LUG PER PHASE AND NEUTRAL SUITABLE FOR CONNECTION OF TWO (2) #2 - 600MCM CU/AL CABLE.
A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO TWO (2) 600MCM CU/AL CABLES PER TERMINAL PER NEC.
- GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS:
SIX (6) #2 - 600MCM CU/AL CABLE.

C B A —	270112	JEC	BK	12/19/17
	SEE ECN			
	255493	TR	BK	06/22/15
	SEE ECN			
A	251187	RN		10-14-14
	SEE ECN			
—	244522	DP	RN	9/25/13
	NEW ISSUE			
PROJECT NAME:				
REV. TO SHEET				
ECN NO. BY APP. DATE				
OUTLINE MOUNTING				
JATB 150A - 600A				
TYPE 1 85 X 34 X 28 SEISMIC				
MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005				
BY DATE 9/25/13				
DRAWN BY DP				
CHECKED				
PROJECT APPROVAL				
FINAL APPROVAL				
PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.				
ASCO® ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.				
SCALE NONE SIZE DS				
DWG. NO. 802093-074				
DRAWING C ECN NO. 270112 SHEET 1 OF 1				

FEATURES, SETTINGS, OPERATION & NOTES

2

TECHNICAL DATA

BYPASS SWITCH AUXILIARY CONTACTS

BP AUXILIARY CONTACT	STATUS (*)	BP SWITCH POSITION (AUX3)		
		EMERG	OFF	NORMAL
81-82	●			
83-84				
85-86	●			
87-88	●			
89-90	●			
91-92	●			
93-94				
101-102				
103-104				
105-106	●			
107-108				
109-110	●			
111-112	●			
113-114				
115-116	●			
117-118				
125-126				
127-128				

BYPASS SWITCH OPERATOR AUXILIARY CONTACTS

BP AUXILIARY CONTACT	STATUS (*)	BP SWITCH HANDLE POSITION				
		NORMAL (CCW)		OFF	EMERGENCY (CW)	
		BYPASS (±90°)	<> ±20°		<> ±20°	BYPASS (±90°)
(AUX4) 140-141	●					
140-142	●					
146-147	●					
146-148	●					
137-138	●					
(AUX5) 137-139	●					
143-144	●					
143-145	●					

ISOLATION (TRANSFER SWITCH CARRIAGE POSITION) AUXILIARY CONTACTS

IS AUXILIARY CONTACT	STATUS (*)	TRANSFER SWITCH CARRIAGE POSITION				
		CONNECT	> <	TEST	> <	ISOLATE
1-2	●					
1-3	●					
4-5	●					
4-6	●					
7-8	●					
7-9	●					
10-11	●					
10-12	●					
13-14	●					
13-15	●					
16-17	●					
16-18	●					
19-20	●					
19-21	●					
22-23	●					
22-24	●					
25-26	●					
25-27	●					
28-29	●					
28-30	●					

(*) CONTACT AVAILABILITY STATUS:

● CONTACT PROVIDED & USED IN CIRCUITRY
"BLANK" CONTACT NOT USED. IF PHYSICALLY AVAILABLE,
CONTACT IS FOR FACTORY USE ONLY!

PROJECT NAME:			REV. TO SHEET	289281	VDS	HSL	04/28/21
WIRING			DIAGRAM		THIRD ANGLE PROJECTION		
7000 SERIES (J7ACTB) 3PH 150-600 AMPS			COMPUTER GENERATED DRAWING				
"J" FRAME, GROUP 5 CONTROLS			DRAWING NO. 806097-1164				
BY DATE			MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005		ASSEM. REF. NO.		
DRAWN BY VDS 04/28/21			PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		SCALE 1:1 SIZE DS		
CHECKED HSL 04/28/21			DWG. NO. 806097-1164		SHEET 2 OF 10		
PROJECT APPROVAL MM 04/28/21			DRAWING REV.		ECN NO. 289281		
FINAL APPROVAL			ASCO® ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.		SHEET 2 OF 10		

FIELD CONNECTIONS

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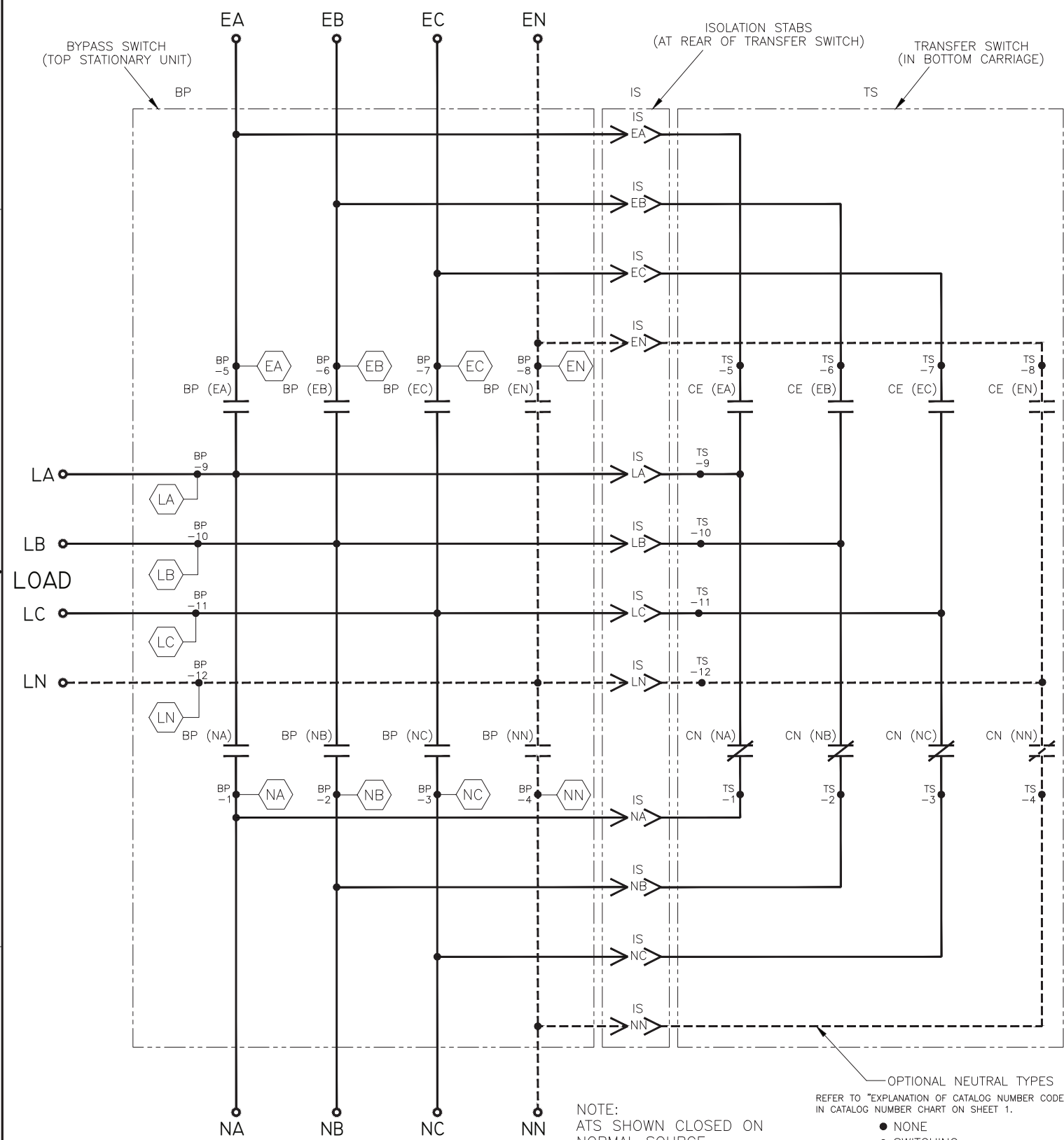
C

B

A

MAIN POWER POLES

EMERGENCY



NOTE:
ATS SHOWN CLOSED ON
NORMAL SOURCE.
BYPASS SWITCH IN
(AUTOMATIC) POSITION.

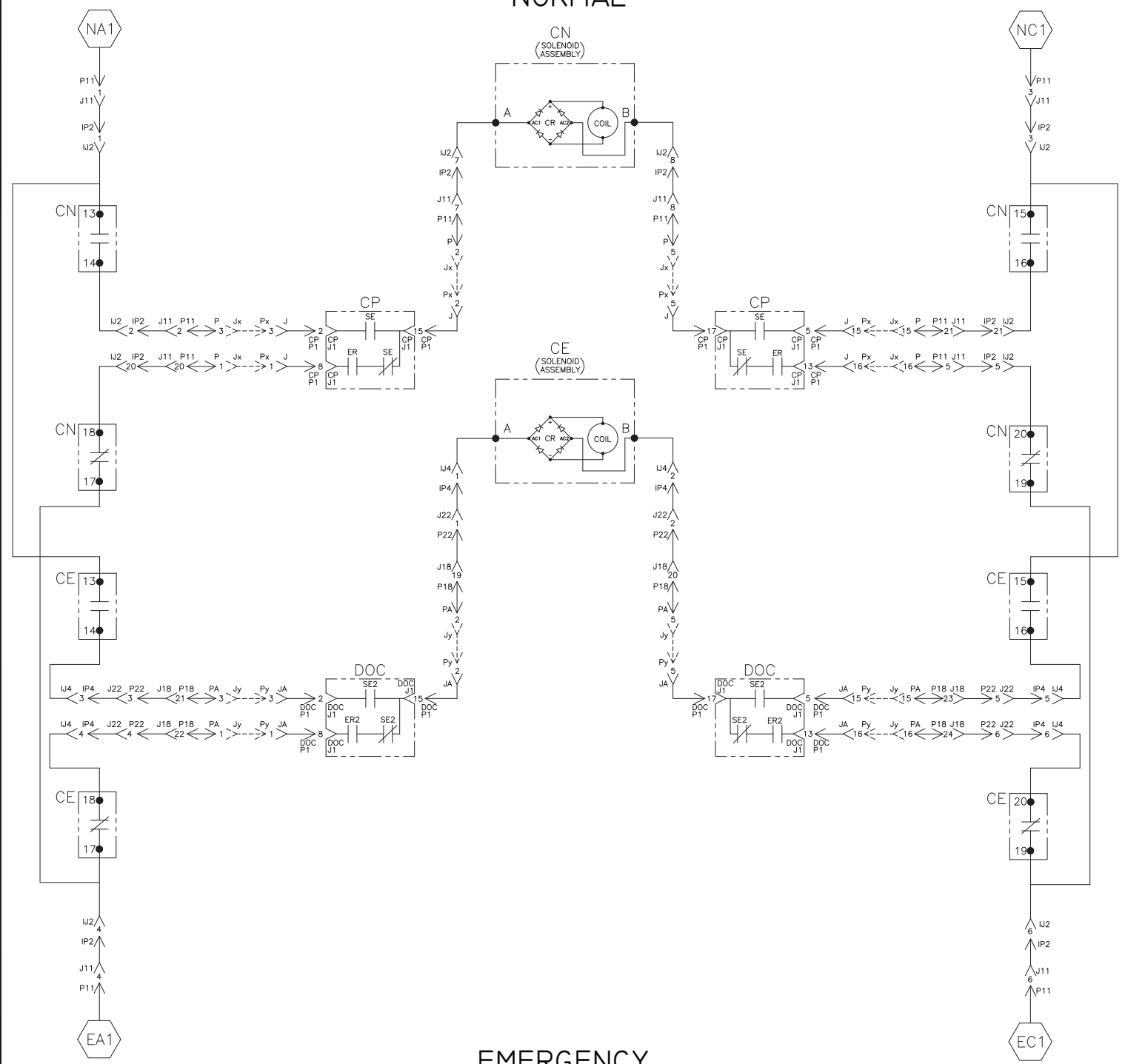
OPTIONAL NEUTRAL TYPES
REFER TO "EXPLANATION OF CATALOG NUMBER CODES"
IN CATALOG NUMBER CHART ON SHEET 1.

- NONE
- SWITCHING
- SOLID BUS PLATE

NORMAL

TS OPERATOR CIRCUIT

NORMAL



EMERGENCY

CN	SOLENOID POSITION			
	CN	BEFORE CLOSED	BEFORE TDC	CN OPEN
13-14				
15-16				
17-18				
19-20				

TDC (TOP DEAD CENTER)
TRANSFER SWITCH TEST & ADJUSTMENT PROCEDURE
SPECIFIES CONTROL CUT-OFF (CONTACT OPENING)
SETTING.

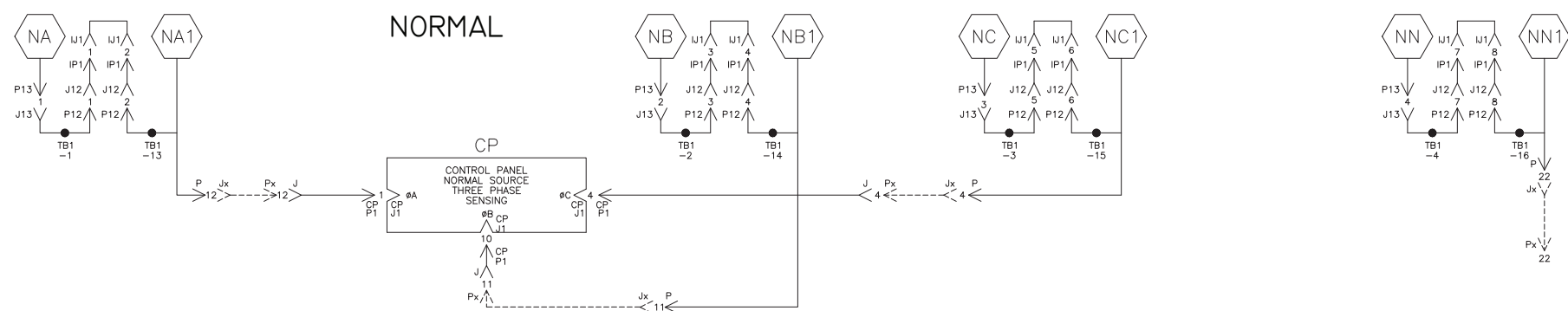
CE	SOLENOID POSITION			
	CE	BEFORE CLOSED	BEFORE TDC	CE OPEN
13-14				
15-16				
17-18				
19-20				

TDC (TOP DEAD CENTER)
TRANSFER SWITCH TEST & ADJUSTMENT PROCEDURE
SPECIFIES CONTROL CUT-OFF (CONTACT OPENING)
SETTING.

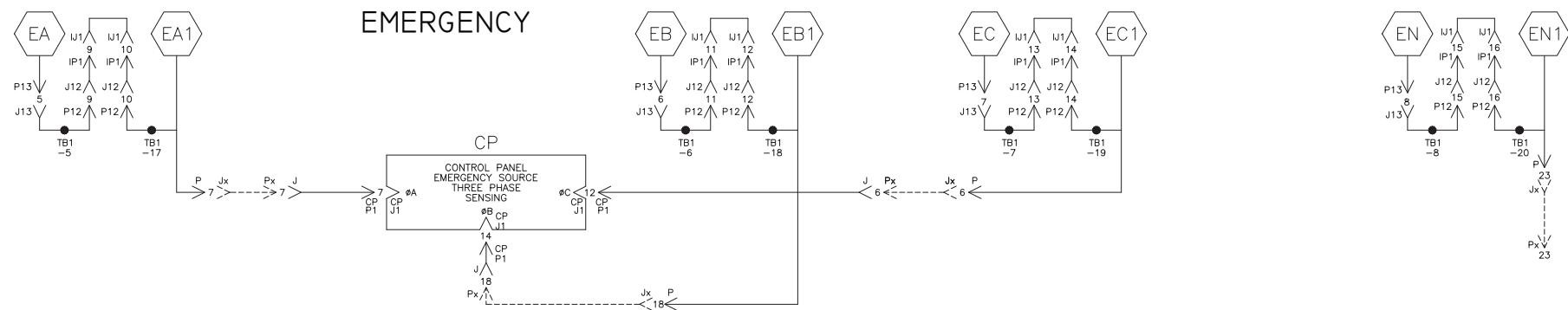
PROJECT NAME:		289281	VDS	HSL	04/28/21
REV. TO SHEET	ECN NO.	BY	APP.	DATE	
WIRING		DIAGRAM			
7000 SERIES (J7ACTB) 3PH 150-600 AMPS					
"J" FRAME, GROUP 5 CONTROLS					
DRAWN BY	VDS	DATE	04/28/21	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005	ASSEM. REF. NO.
CHECKED	HSL	DATE	04/28/21	PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	SCALE 1:1
PROJECT APPROVAL	MM	DATE	04/28/21		SIZE DS
FINAL APPROVAL					
DWG. NO.		806097-1164		COMPUTER GENERATED DRAWING	
DRAWING REV.		ECN NO. 289281		SHEET 4 OF 10	

ASCO® ASCO POWER TECHNOLOGIES, L.P.
FLORHAM PARK, NEW JERSEY 07932 U.S.A.

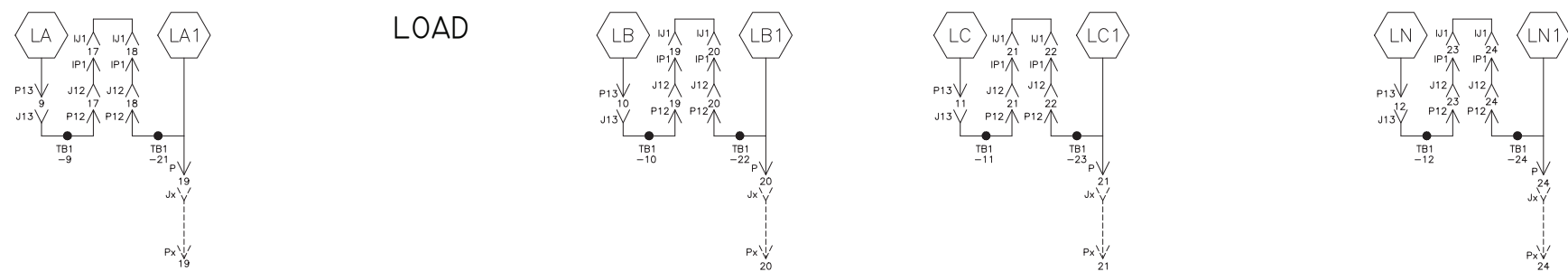
NORMAL SOURCE CIRCUITS



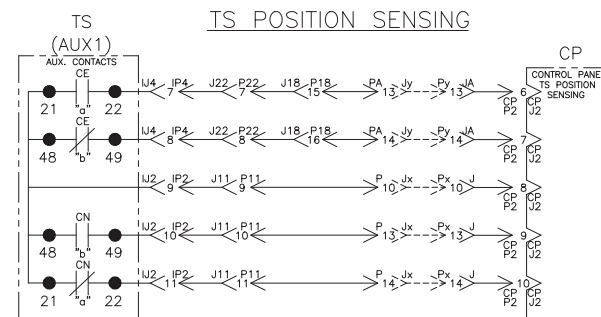
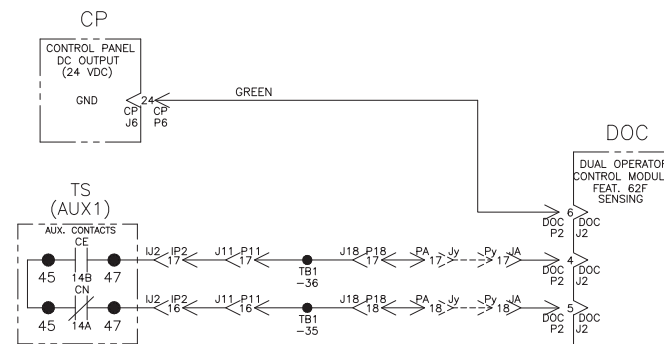
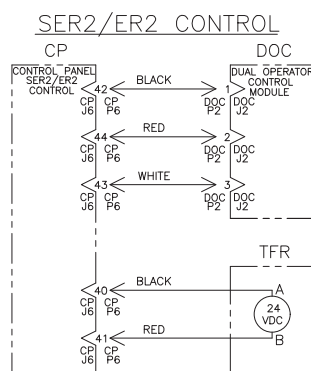
EMERGENCY SOURCE CIRCUITS



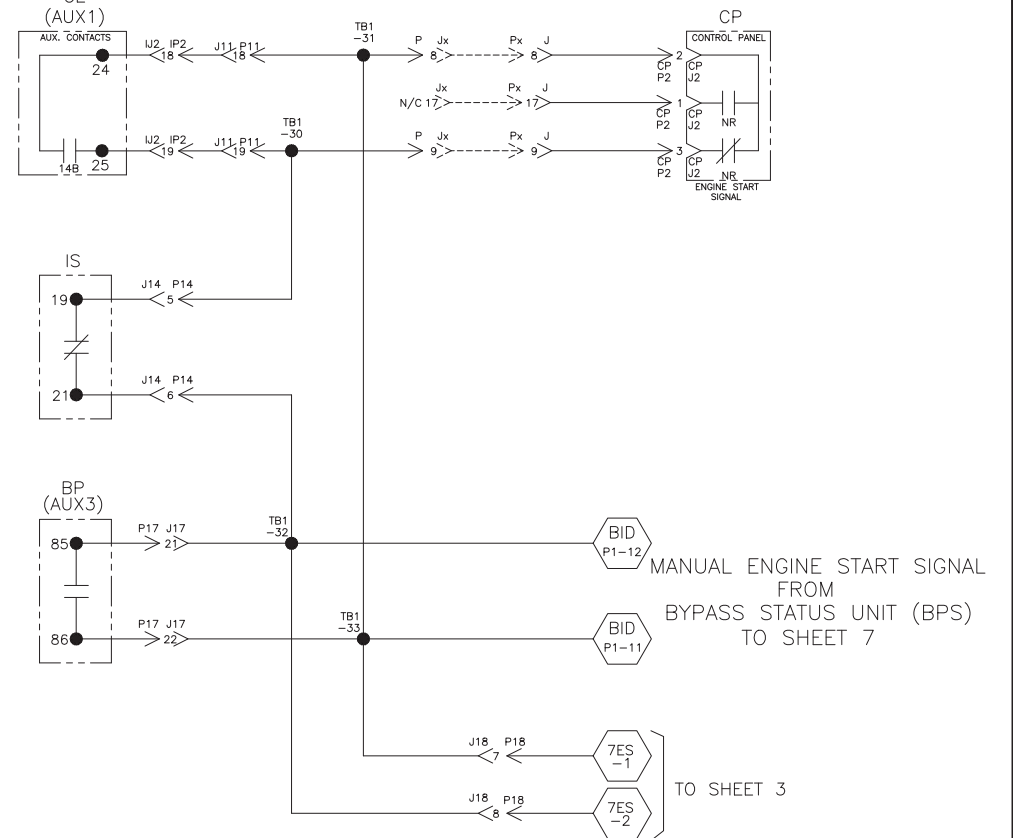
LOAD TERMINAL CIRCUITS



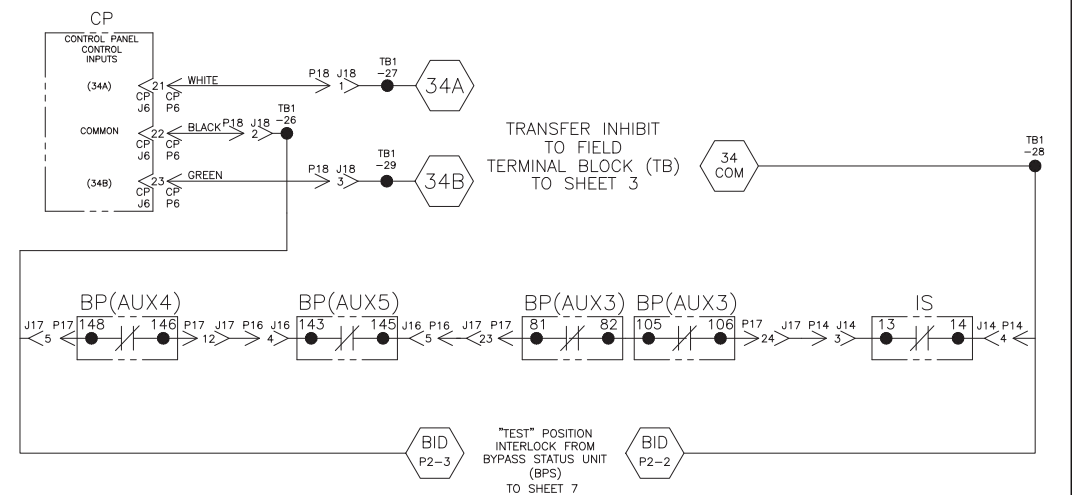
CONTROL SIGNALS & INDICATION



ENGINE START CIRCUIT



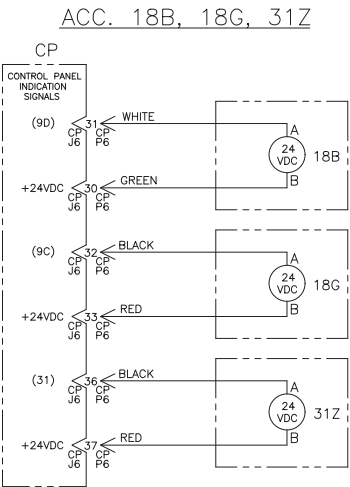
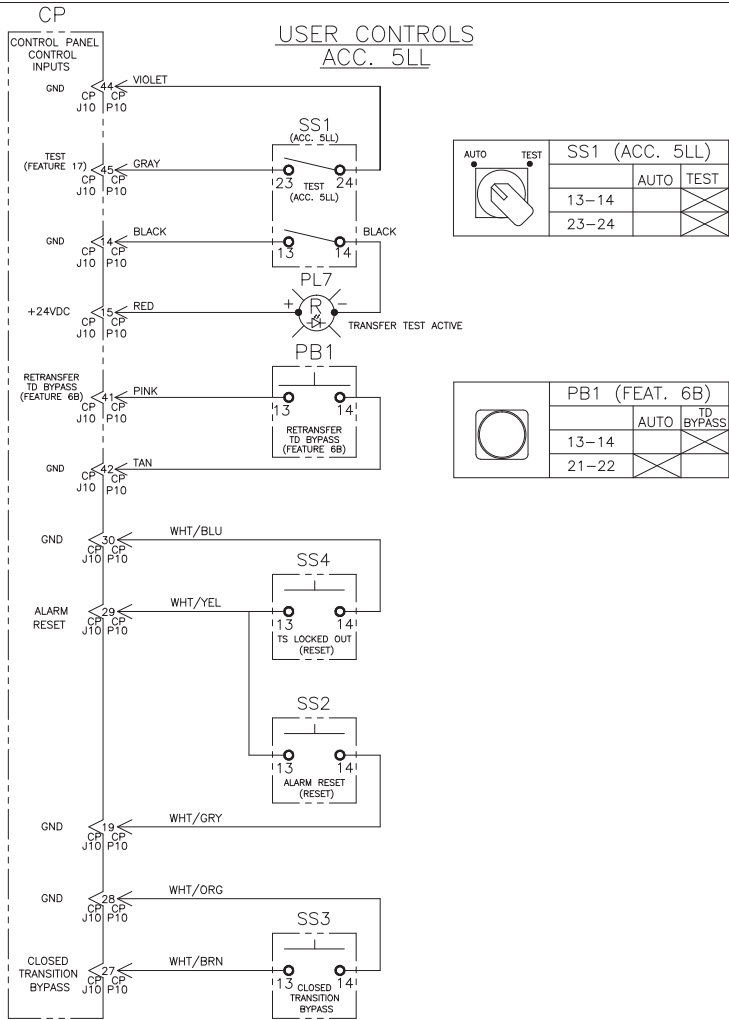
CONTROL PANEL/BYPASS-ISOLATION INTERLOCKS



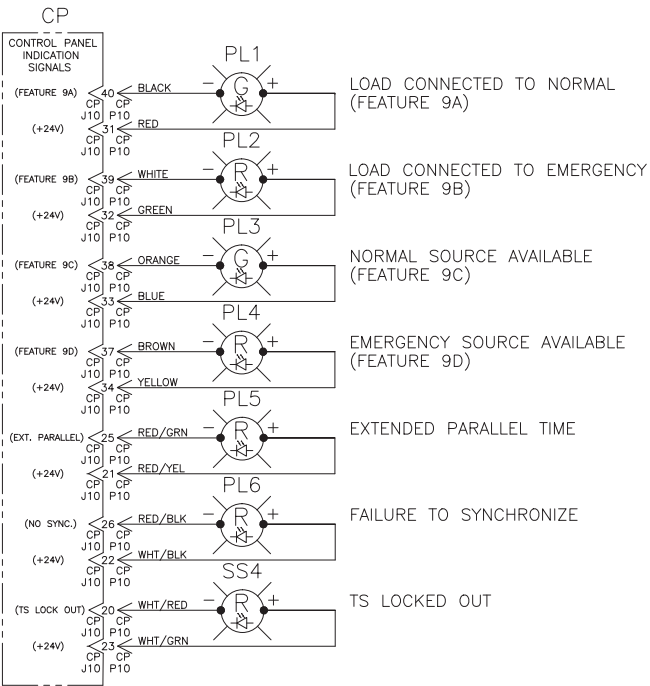
		289821		VDS		HSL		04/28/21	
		ISSUE							
PROJECT NAME:				REV. TO SHEET	ECN NO.	BY	APP.	DATE	
WIRING				DIAGRAM				 THIRD ANGLE PROJECTION	
7000 SERIES (J7ACTB) 3PH 150-600 AMPS									
"J" FRAME, GROUP 5 CONTROLS									
BY	DATE		MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005			ASSEM. REF. NO.		COMPUTER GENERATED DRAWING	
DRAWN BY	VDS 04/28/21							SCALE	1:1
CHECKED	HSL 04/28/21							SIZE	DS
PROJECT APPROVAL	MM 04/28/21		PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.					DWG. NO.	806097-1164
FINAL APPROVAL			 ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.			DRAWING -		ECN NO.	289821
						SHEET		5 OF 10	

CONTROL SIGNALS & INDICATION

ADDITIONAL CIRCUITS



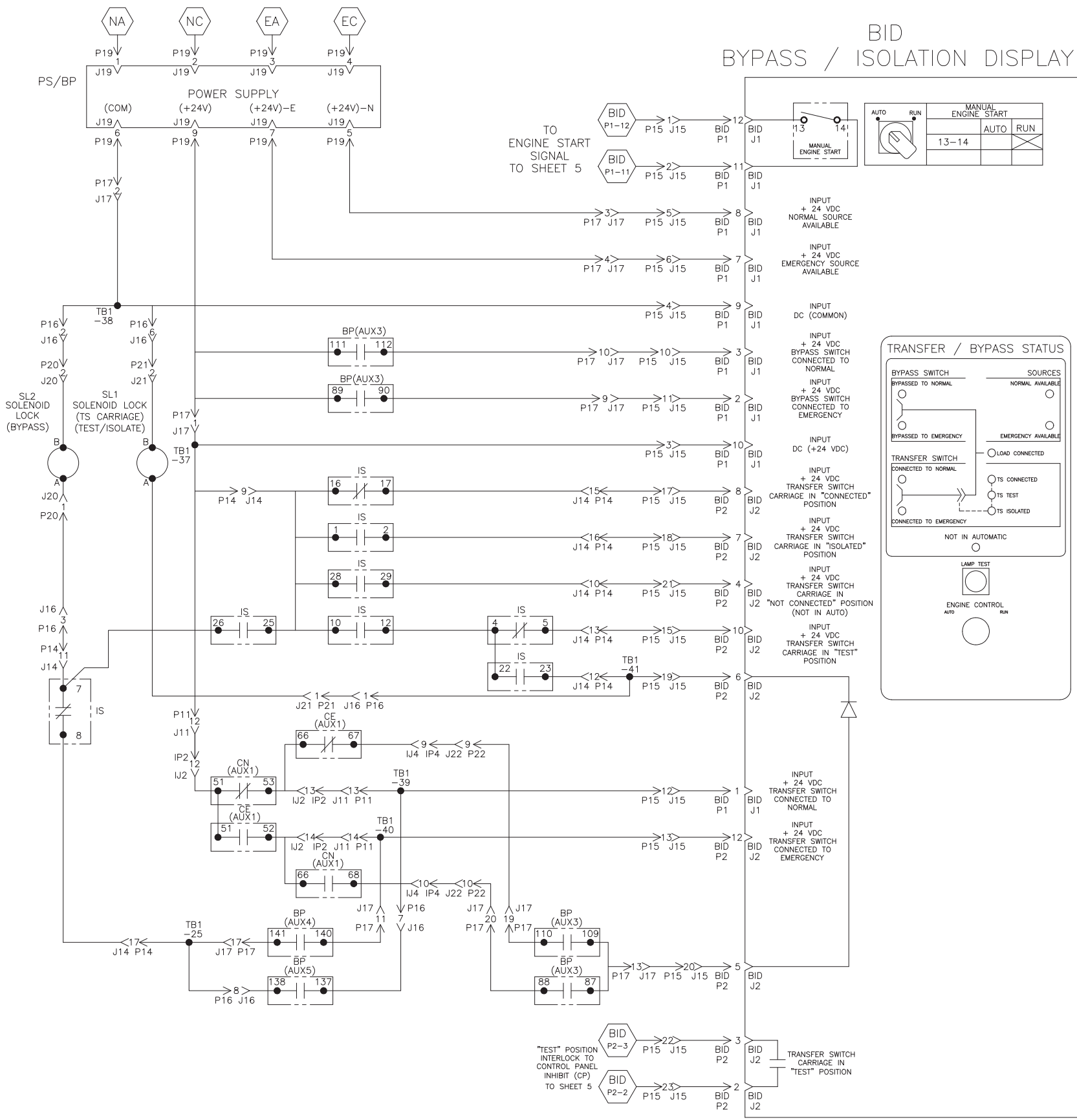
INDICATION



PROJECT NAME:		REV. TO SHEET	289281	VDS	HSL	04/28/21
WIRING		DIAGRAM		ISSUE		
7000 SERIES (J7ACTB) 3PH 150-600 AMPS		"J" FRAME, GROUP 5 CONTROLS		THIRD ANGLE PROJECTION		
DRAWN BY	BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.		ASSEM. REF. NO.	
CHECKED	HSL	04/28/21	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		SCALE 1:1 SIZE DS	
PROJECT APPROVAL	MM	04/28/21	DWG. NO. 806097-1164		COMPUTER GENERATED DRAWING	
FINAL APPROVAL			ASCOR [®] ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.		DRAWING REV. NO. 289281 SHEET 6 OF 10	

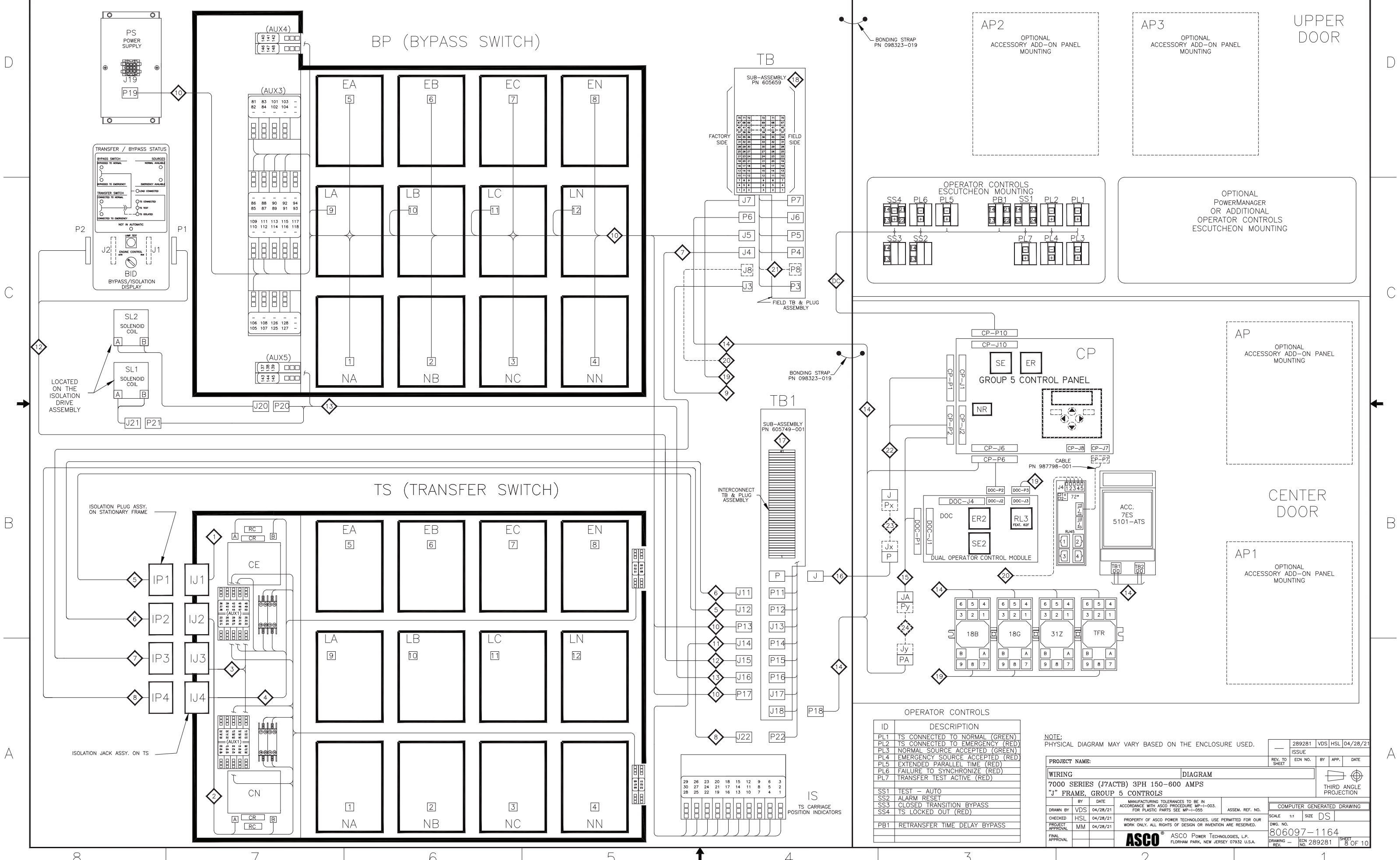
BYPASS / ISOLATION INTERLOCKING & INDICATION

BID
BYPASS / ISOLATION DISPLAY



				289281		VDS	HSL	04/28/21
				ISSUE				
PROJECT NAME:				REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING				DIAGRAM				
7000 SERIES (J7ACTB) 3PH 150-600 AMPS								
"J" FRAME, GROUP 5 CONTROLS				THIRD ANGLE PROJECTION				
DRAWN BY	VDS	DATE	04/28/21	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.		ASSEMB. REF. NO.		
CHECKED	HSL	DATE	04/28/21	PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		COMPUTER GENERATED DRAWING		
PROJECT APPROVAL	MM	DATE	04/28/21			SCALE	1:1	SIZE DS
FINAL APPROVAL						DWG. NO.		806097-1164
				ASCO® ASCO POWER TECHNOLOGIES, L.P. FLORHAM PARK, NEW JERSEY 07932 U.S.A.		DRAWING NO.		289281
						SHEET		7 OF 10

PHYSICAL DIAGRAM



OPERATOR CONTROLS	
ID	DESCRIPTION
PL1	TS CONNECTED TO NORMAL (GREEN)
PL2	TS CONNECTED TO EMERGENCY (RED)
PL3	NORMAL SOURCE ACCEPTED (GREEN)
PL4	EMERGENCY SOURCE ACCEPTED (RED)
PL5	EXTENDED PARALLEL TIME (RED)
PL6	FAILURE TO SYNCHRONIZE (RED)
PL7	TRANSFER TEST ACTIVE (RED)
SS1	TEST — AUTO
SS2	ALARM RESET
SS3	CLOSED TRANSITION BYPASS
SS4	TS LOCKED OUT (RED)
PB1	RETRANSFER TIME DELAY BYPASS

NOTE:
PHYSICAL DIAGRAM MAY VARY BASED ON THE ENCLOSURE USED.

PROJECT NAME:		289281	VDS	HSL	04/28/21
REV. TO SHEET	ECN NO.	BY	APP.	DATE	
WIRING		DIAGRAM			
7000 SERIES (J7ACTB) 3PH 150-600 AMPS					
"J" FRAME, GROUP 5 CONTROLS					
DRAWN BY	BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.		
CHECKED	HSL	04/28/21	PROPERTY OF ASCO POWER TECHNOLOGIES, L.P. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		
PROJECT APPROVAL	MM	04/28/21	ASSEM. REF. NO.		
FINAL APPROVAL			COMPUTER GENERATED DRAWING		
			SCALE	1:1	SIZE DS
			DWG. NO. 806097-1164		
			DRAWING — ECN NO. 289281		
			SHEET 8 OF 10		

ASCO ASCO POWER TECHNOLOGIES, L.P.
FLORHAM PARK, NEW JERSEY 07932 U.S.A.

WIRE RUN LISTING

1 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 605674-001 (J1) TS	CLR	AWG	
1	IJ1-1,J1-2		16	
2	IJ1-3,J1-4			
3	IJ1-5,J1-6			
4	IJ1-7,J1-8			
5	IJ1-9,J1-10			
6	IJ1-11,J1-12			
7	IJ1-13,J1-14			
8	IJ1-15,J1-16			
9	IJ1-17,J1-18			
10	IJ1-19,J1-20			
11	IJ1-21,J1-22			
12	IJ1-23,J1-24			

2 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 806064-001-A (J2) TS	CLR	AWG	
1	IJ2-1,CN-13		16	
2	CN-13,CE-13			
21	IJ2-2,CN-14			
3	IJ2-3,CN-15			
3	CN-15,CE-15			
5	IJ2-4,CN-17			
5	CN-17,CE-17			
24	IJ2-5,CN-20			
7	IJ2-6,CN-19			
7	CN-19,CE-19			
14	IJ2-7,CN-CR-AC1			
15	IJ2-8,CN-CR-AC2			
28	IJ2-9,CN(AUX1)-48			
28	CN(AUX1)-48,CN(AUX1)-21			
28	CN(AUX1)-21,CE(AUX1)-48			
28	CE(AUX1)-48,CE(AUX1)-21			
29	IJ2-10,CN(AUX1)-49			
29	IJ2-11,CN(AUX1)-22			
31	IJ2-12,CN(AUX1)-51			
31	CN(AUX1)-51,CE(AUX1)-51			
32	IJ2-13,CN(AUX1)-53			
32	CN(AUX1)-53,CE(AUX1)-66			
33	IJ2-14,CN(AUX1)-66			
33	CN(AUX1)-66,CE(AUX1)-52			
35	IJ2-16,CN(AUX1)-47			
36	IJ2-17,CE(AUX1)-47			
120	IJ2-18,CE(AUX1)-24			
38	IJ2-19,CE(AUX1)-25			
39	IJ2-20,CN-18			
40	IJ2-21,CN-16			
319	CN(AUX1)-45,CE(AUX1)-45			
420	CE(AUX1)-67,IJ4-9	PIN		
421	CN(AUX1)-68,IJ4-10	PIN		

5 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 605674-006-D (IP1,J12) STATIONARY FRAME	CLR	AWG	
1	IP1-1,J12-1		16	
1	IP1-2,J12-2			
2	IP1-3,J12-3			
2	IP1-4,J12-4			
3	IP1-5,J12-5			
3	IP1-6,J12-6			
4	IP1-7,J12-7			
4	IP1-8,J12-8			
5	IP1-9,J12-9			
5	IP1-10,J12-10			
6	IP1-11,J12-11			
6	IP1-12,J12-12			
7	IP1-13,J12-13			
7	IP1-14,J12-14			
8	IP1-15,J12-15			
8	IP1-16,J12-16			
9	IP1-17,J12-17			
9	IP1-18,J12-18			
10	IP1-19,J12-19			
10	IP1-20,J12-20			
11	IP1-21,J12-21			
11	IP1-22,J12-22			
12	IP1-23,J12-23			
12	IP1-24,J12-24			

3 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 806064-002-A (J3) TS	CLR	AWG	
50	IJ3-1,CN(AUX1)-27		16	
50	CN(AUX1)-27,CE(AUX1)-27			
51	IJ3-2,CE(AUX1)-28			
52	IJ3-3,CN(AUX1)-28			
53	IJ3-4,CN(AUX1)-30			
53	CN(AUX1)-30,CE(AUX1)-30			
54	IJ3-5,CE(AUX1)-31			
55	IJ3-6,CN(AUX1)-31			
56	IJ3-7,CN(AUX1)-33			
56	CN(AUX1)-33,CE(AUX1)-33			
57	IJ3-8,CE(AUX1)-34			
58	IJ3-9,CN(AUX1)-34			
59	IJ3-10,CN(AUX1)-36			
59	CN(AUX1)-36,CE(AUX1)-36			
60	IJ3-11,CN(AUX1)-38			
61	IJ3-12,CE(AUX1)-38			
62	IJ3-13,CN(AUX1)-39			
62	CN(AUX1)-39,CE(AUX1)-39			
63	IJ3-14,CN(AUX1)-41			
64	IJ3-15,CE(AUX1)-41			
65	IJ3-16,CN(AUX1)-42			
65	CN(AUX1)-42,CE(AUX1)-42			
66	IJ3-17,CN(AUX1)-44			
67	IJ3-18,CE(AUX1)-44			

6 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 605674-006-D (IP2,J11) STATIONARY FRAME	CLR	AWG	
1	IP2-1,J11-1		16	
21	IP2-2,J11-2			
3	IP2-3,J11-3			
5	IP2-4,J11-4			
24	IP2-5,J11-5			
7	IP2-6,J11-6			
14	IP2-7,J11-7			
15	IP2-8,J11-8			
28	IP2-9,J11-9			
30	IP2-10,J11-10			
29	IP2-11,J11-11			
31	IP2-12,J11-12			
32	IP2-13,J11-13			
33	IP2-14,J11-14			
34	IP2-15,J11-15			
35	IP2-16,J11-16			
36	IP2-17,J11-17			
120	IP2-18,J11-18			
38	IP2-19,J11-19			
39	IP2-20,J11-20			
40	IP2-21,J11-21			
41	IP2-22,J11-22			
42	IP2-23,J11-23			
43	IP2-24,J11-24			

4 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 806064-003-A (IJ4) TS	CLR	AWG	
228	IJ4-1,CE-CR-AC1		16	
229	IJ4-2,CE-CR-AC2			
320	IJ4-3,CE-14			
322	IJ4-4,CE-18			
321	IJ4-5,CE-16			
323	IJ4-6,CE-20			
324	IJ4-7,CE(AUX1)-22			
325	IJ4-8,CE(AUX1)-49			

7 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 605674-006-C (IP3,J4) STATIONARY FRAME	CLR	AWG	
50	IP3-1,J4-1		16	
51	IP3-2,J4-2			
52	IP3-3,J4-3			
53	IP3-4,J4-4			
54	IP3-5,J4-5			
55	IP3-6,J4-6			
56	IP3-7,J4-7			
57	IP3-8,J4-8			
58	IP3-9,J4-9			
59	IP3-10,J4-10			
60	IP3-11,J4-11			
61	IP3-12,J4-12			
62	IP3-13,J4-13			
63	IP3-14,J4-14			
64	IP3-15,J4-15			
65	IP3-16,J4-16			
66	IP3-17,J4-17			
67	IP3-18,J4-18			
68	IP3-19,J4-19			
69	IP3-20,J4-20			
70	IP3-21,J4-21			
71	IP3-22,J4-22			
72	IP3-23,J4-23			
73	IP3-24,J4-24			

8 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 605674-006-B (IP4,J22) STATIONARY FRAME	CLR	AWG	
228	IP4-1,J22-1		16	
229	IP4-2,J22-2			
320	IP4-3,J22-3			
322	IP4-4,J22-4			
321	IP4-5,J22-5			
323	IP4-6,J22-6			
324	IP4-7,J22-7			
325	IP4-8,J22-8			
420	IP4-9,J22-9			
421	IP4-10,J22-10			

9 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 605674-007-A (J3,TB1) ENGINE START	CLR	AWG	
120	J3-1,TB1-33		16	
121	J3-2,TB1-32			

10 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 806064-007 (J14,S) ISOLATION AUX. CONTACTS	CLR	AWG	
150	J14-3,IS-13		16	
151	J14-4,IS-14			
38	J14-5,IS-19			
121	J14-6,IS-21			
31	J14-9,IS-10			
152	J14-10,IS-29			
153	J14-11,IS-26			
154	J14-12,IS-23			
155	J14-13,IS-5			
157	J14-15,IS-17			
158	J14-16,IS-2			
190	J14-17,IS-8			
31	IS-10,IS-1			
31	IS-1,IS-16			
31	IS-16,IS-25			
31	IS-25,IS-28			
159	IS-12,IS-22			
159	IS-12,IS-4			
153	IS-7,IS-26			

11 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 806064-007 (J14,S) ISOLATION AUX. CONTACTS	CLR	AWG	
150	J14-3,IS-13		16	
151	J14-4,IS-14			
38	J14-5,IS-19			
121	J14-6,IS-21			
31	J14-9,IS-10			
152	J14-10,IS-29			
153	J14-11,IS-26			
154	J14-12,IS-23			
155	J14-13,IS-5			
157	J14-15,IS-17			
158	J14-16,IS-2			
190	J14-17,IS-8			
31	IS-10,IS-1			
31	IS-1,IS-16			
31	IS-16,IS-25			
31	IS-25,IS-28			
159	IS-12,IS-22			
159	IS-12,IS-4			
153	IS-7,IS-26			

12 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 806064-007 (J14,S) ISOLATION AUX. CONTACTS	CLR	AWG	
150	J14-3,IS-13		16	
151	J14-4,IS-14			
38	J14-5,IS-19			
121	J14-6,IS-21			
31	J14-9,IS-10			
152	J14-10,IS-29			
153	J14-11,IS-26			
154	J14-12,IS-23			
155	J14-13,IS-5			
157	J14-15,IS-17			
158	J14-16,IS-2			
190	J14-17,IS-8			
31	IS-10,IS-1			
31	IS-1,IS-16			
31	IS-16,IS-25			
31	IS-25,IS-28			
159	IS-12,IS-22			
159	IS-12,IS-4			
153	IS-7,IS-26			

13 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 806064-007 (J14,S) ISOLATION AUX. CONTACTS	CLR	AWG	
150	J14-3,IS-13		16	
151	J14-4,IS-14			
38	J14-5,IS-19			
121	J14-6,IS-21			
31	J14-9,IS-10			
152	J14-10,IS-29			
153	J14-11,IS-26			
154	J14-12,IS-23			
155	J14-13,IS-5			
157	J14-15,IS-17			
158	J14-16,IS-2			
190	J14-17,IS-8			
31	IS-10,IS-1			
31	IS-1,IS-16			
31	IS-16,IS-25			
31	IS-25,IS-28			
159	IS-12,IS-22			
159	IS-12,IS-4			
153	IS-7,IS-26			

14 HARNESS LOCATOR				BOX CHECKED IF HARNESS IS MODIFIED
WIRE No.	HARNESS 806064-007 (J14,S) ISOLATION AUX. CONTACTS	CLR	AWG	
150	J14-3,IS-13		16	
151	J14-4,IS-14			
38	J14-5,IS-19			
121	J14-6,IS-21			
31	J14-9,IS-10			
152	J14-10,IS-29			
153	J14-11,IS-26			
154	J14-12,IS-23			
155	J14-13,IS-5			
157	J14-15,IS-17			
158	J14-16,IS-2			
190	J14-17,IS-8			
31	IS-10,IS-1			
31	IS-1,IS-16			
31	IS-16,IS-25			
31	IS-25,IS-28			
159	IS-12,IS-22			
159	IS-12,IS-4			
153	IS-7,IS-26			

10		HARNESS LOCATOR		BOX CHECKED IF HARNESS IS MODIFIED	
WIRE No.	HARNESS 806064-004 (P13, P17, P19, BP) BP			CLR	AWG
1	P13-1,BP-1				16
1	BP-1,P19-1				
2	P13-2,BP-2				
3	P13-3,BP-3				
3	BP-3,P19-2				
4	P13-4,BP-4				
5	P13-5,BP-5				
5	BP-5,P19-3				
6	P13-6,BP-6				
7	P13-7,BP-7				
7	BP-7,P19-4				
8	P13-8,BP-8				
9	P13-9,BP-9				

WIRE RUN LISTING

 HARNESS LOCATOR		BOX CHECKED IF HARNESS IS MODIFIED	
WIRE No.	SUB-ASSEMBLY 605749-001 (TB1,P,P11,P12,J13,P14,P15,P16,J17,J18) MAIN INTERCONNECT ASSEMBLY	CLR	AWG
14	P-2,P11-7		16
21	P-3,P11-2		
3	P-4,TB1-15		
15	P-5,P11-8		
7	P-6,TB1-19		
5	P-7,TB1-17		
120	P-8,TB1-31		
38	P-9,TB1-30		
28	P-10,P11-9		
2	P-11,TB1-14		
1	P-12,TB1-13		
30	P-13,P11-10		
29	P-14,P11-11		
24	P-16,P11-5		
6	P-18,TB1-18		
9	P-19,TB1-21		
10	P-20,TB1-22		
11	P-21,TB1-23		
4	P-22,TB1-16		
8	P-23,TB1-20		
12	P-24,TB1-24		
1	P11-1,TB1-13		
3	P11-3,TB1-15		
5	P11-4,TB1-17		
7	P11-6,TB1-19		
31	P11-12,TB1-37		
32	P11-13,TB1-39		
33	P11-14,TB1-40		
34	P11-15,TB1-34		
35	P11-16,TB1-35		
36	P11-17,TB1-36		
120	P11-18,TB1-31		
38	P11-19,TB1-30		
39	P11-20,P-1		
40	P11-21,P-15		
1	P12-1,TB1-1		
1	P12-2,TB1-13		
2	P12-3,TB1-2		
2	P12-4,TB1-14		
3	P12-5,TB1-3		
3	P12-6,TB1-15		
4	P12-7,TB1-4		
4	P12-8,TB1-16		
5	P12-9,TB1-5		
5	P12-10,TB1-17		
6	P12-11,TB1-6		
6	P12-12,TB1-18		
7	P12-13,TB1-7		
7	P12-14,TB1-19		
8	P12-15,TB1-8		
8	P12-16,TB1-20		
9	P12-17,TB1-9		
9	P12-18,TB1-21		
10	P12-19,TB1-10		
10	P12-20,TB1-22		
11	P12-21,TB1-11		
11	P12-22,TB1-23		
12	P12-23,TB1-12		
12	P12-24,TB1-24		
1	J13-1,TB1-1		
2	J13-2,TB1-2		
3	J13-3,TB1-3		
4	J13-4,TB1-4		
5	J13-5,TB1-5		
6	J13-6,TB1-6		
7	J13-7,TB1-7		
8	J13-8,TB1-8		
9	J13-9,TB1-9		
10	J13-10,TB1-10		
11	J13-11,TB1-11		
12	J13-12,TB1-12		
151	P14-4,TB1-28		
38	P14-5,TB1-30		
121	P14-6,TB1-32		
31	P14-9,TB1-37		
153	P14-11,P16-3		
154	P14-12,TB1-41		
155	P14-13,P15-15		
157	P14-15,P15-17		
158	P14-16,P15-18		
190	P14-17,J17-17		
121	P15-1,TB1-32		
120	P15-2,TB1-33		
31	P15-3,TB1-37		
170	P15-4,TB1-38		
171	P15-5,J17-3		
172	P15-6,J17-4		
176	P15-10,J17-10		
177	P15-11,J17-9		
32	P15-12,TB1-39		
33	P15-13,TB1-40		
154	P15-19,TB1-41		
149	P15-20,J17-13		
152	P15-21,P14-10		
191	P15-22,TB1-26		
151	P15-23,TB1-28		
154	P16-1,TB1-41		
170	P16-2,TB1-38		
191	P16-4,TB1-26		
170	P16-6,TB1-38		
31	J17-1,TB1-37		
170	J17-2,TB1-38		
32	J17-11,TB1-39		
33	J17-12,TB1-40		
121	J17-21,TB1-32		
120	J17-22,TB1-33		
500	J17-23,P16-5		
150	J17-24,P14-3		

 — HARNESS LOCATOR		BOX CHECKED IF HARNESS IS MODIFIED	
WIRE No.	SUB-ASSEMBLY 605749-001 (TB1,P,P11,P12,J13,P14,P15,P16,J17,J18) MAIN INTERCONNECT ASSEMBLY (CONTINUED....)	CLR	AWG
210	J18-1,TB1-27		16
191	J18-2,TB1-26		
211	J18-3,TB1-29		
210	J18-4,TB1-27		
151	J18-5,TB1-28		
211	J18-6,TB1-29		
120	TB1-31,TB1-33		
REMOVE WIRES			
190	P14-17,J17-17		
191	P16-4,TB1-26		
33	J17-12,TB1-40		
32	J17-11,TB1-39		
ADD WIRES			
312	P-17		
41	P11-22		
42	P11-23		
43	P11-24		
26	J13-13		
140	J13-14		
27	J13-15		
340	J13-16		
341	J13-17		
342	J13-18		
343	J13-19		
344	J13-20		
345	J13-21		
346	J13-22		
347	J13-23		
348	J13-24		
507	P14-1		
160	P14-2		
169	P14-7		
168	P14-8		
156	P14-14		
190	P14-17,TB1-25		
161	P14-18		
162	P14-19		
163	P14-20		
164	P14-21		
165	P14-22		
166	P14-23		
167	P14-24		
389	P15-7		
390	P15-8		
391	P15-9		
395	P15-14		
508	P15-16		
405	P15-24		
173	P16-4,J17-12		
32	P16-7,TB1-39		
190	P16-8,TB1-25		
524	P16-9		
525	P16-10		
526	P16-11		
527	P16-12		
528	P16-13		
529	P16-14		
530	P16-15		
531	P16-16		
532	P16-17		
533	P16-18		
534	P16-19		
535	P16-20		
536	P16-21		
537	P16-22		
538	P16-23		
539	P16-24		
191	J17-5,TB1-26		
174	J17-6		
504	J17-7		
175	J17-8		
33	J17-11,TB1-40		
178	J17-14		
505	J17-15		
189	J17-16		
190	J17-17,TB1-25		
506	J17-18		
420	J17-19,P22-9		
421	J17-20,P22-10		
120	J18-7,TB1-33		
121	J18-8,TB1-32		
217	J18-9		
218	J18-10		
219	J18-11		
220	J18-12		
221	J18-13		
222	J18-14		
324	J18-15,P22-7		
325	J18-16,P22-8		
36	J18-17,TB1-36		
35	J18-18,TB1-35		
228	J18-19,P22-1		
229	J18-20,P22-2		
320	J18-21,P22-3		
322	J18-22,P22-4		
321	J18-23,P22-5		
323	J18-24,P22-6		

HARNESS LOCATOR		BOX CHECKED IF HARNESS IS MODIFIED	
WIRE No.	SUB-ASSEMBLY 605659 (P3,P4,J6,P7,TB) STD. FIELD TB	CLR	AWG
120	TB-1,P3-1		16
121	TB-2,P3-2		
122	TB-3,P3-3		
50	TB-4,P4-1		
51	TB-5,P4-2		
52	TB-6,P4-3		
53	TB-7,P4-4		
54	TB-8,P4-5		
55	TB-9,P4-6		
56	TB-10,P4-7		
57	TB-11,P4-8		
58	TB-12,P4-9		
59	TB-13,P4-10		
61	TB-14,P4-12		
60	TB-15,P4-11		
62	TB-16,P4-13		
64	TB-17,P4-15		
63	TB-18,P4-14		
65	TB-19,P4-16		
67	TB-20,P4-18		
66	TB-21,P4-17		
68	TB-22,P4-19		
70	TB-23,P4-21		
69	TB-24,P4-20		
71	TB-25,P4-22		
73	TB-26,P4-24		
72	TB-27,P4-23		
210	TB-28,J6-1		
151	TB-29,J6-2		
211	TB-30,J6-3		
243	TB-31,J6-4		
244	TB-32,J6-5		
270	TB-34,P7-1		
271	TB-35,P7-2		
272	TB-36,P7-3		
	JUMPERS		
	TB-28,TB-29		
	TB-29,TB-30		

19	HARNESS LOCATOR		BOX CHECKED IF HARNESS IS MODIFIED	☒
WIRE No.	HARNESS 806064-008 (J7) FIELD OUTPUTS		CLR	AWG
270	J7-1,TFR-9			16
271	J7-2,TFR-6			
272	J7-3			
273	J7-4,D0C-P3-3			
274	J7-5,D0C-P3-1			
275	J7-6,D0C-P3-2			
276	J7-7,D0C-P3-4			
277	J7-8,D0C-P3-5			
278	J7-9,D0C-P3-6			

20	HARNESS LOCATOR		BOX CHECKED IF HARNESS IS MODIFIED	☐
WIRE No.	HARNESS 605454-005 (J8) OPTIONAL SERIAL I/O		CLR	AWG
300	J8-1,72*-5		SHLD	24
301	J8-2,72*-1		WHT/ORG	(4 COND) SHIELDED
302	J8-3,72*-2		ORG/WHT	TTT
303	J8-4,72*-3		WHT/BLU	
304	J8-5,72*-4		BLU/WHT	
305	J8-6			
306	J8-7			
307	J8-8			
308	J8-9			

2 ← HARNESS LOCATOR		BOX CHECKED IF HARNESS IS MODIFIED ☐	
WIRE	HARNESS 605454-007	CLR	AWG
No.	(P8,TB) OPTIONAL SERIAL I/O		
300	P8-1,TB-37	SHLD	24
301	P8-2,TB-38	WHT/ORG	(4 COND) SHIELDED
302	P8-3,TB-39	ORG/WHT	TTT
303	P8-4,TB-40	WHT/BLU	
304	P8-5,TB-41	BLU/WHT	
305	P8-6		
306	P8-7		
307	P8-8		
308	P8-9		

 — HARNESS LOCATOR		BOX CHECKED IF HARNESS IS MODIFIED	☐
WIRE No.	HARNESS 483763 (J,CP-P1,CP-P2) CONTROL PANEL	CLR	AWG
39	J-1,CP-P1-8		16
14	J-2,CP-P1-15		
21	J-3,CP-P1-2		
3	J-4,CP-P1-4		
15	J-5,CP-P1-17		
7	J-6,CP-P1-12		
5	J-7,CP-P1-7		
120	J-8,CP-P2-2		
38	J-9,CP-P2-3		
28	J-10,CP-P2-8		
2	J-11,CP-P1-10		
1	J-12,CP-P1-1		
30	J-13,CP-P2-9		
29	J-14,CP-P2-10		
40	J-15,CP-P1-5		
24	J-16,CP-P1-13		
312	J-17,CP-P2-1		
6	J-18,CP-P1-14		
ADD WIRE			
9	J-19		
10	J-20		
11	J-21		
4	J-22		
8	J-23		
12	J-24		