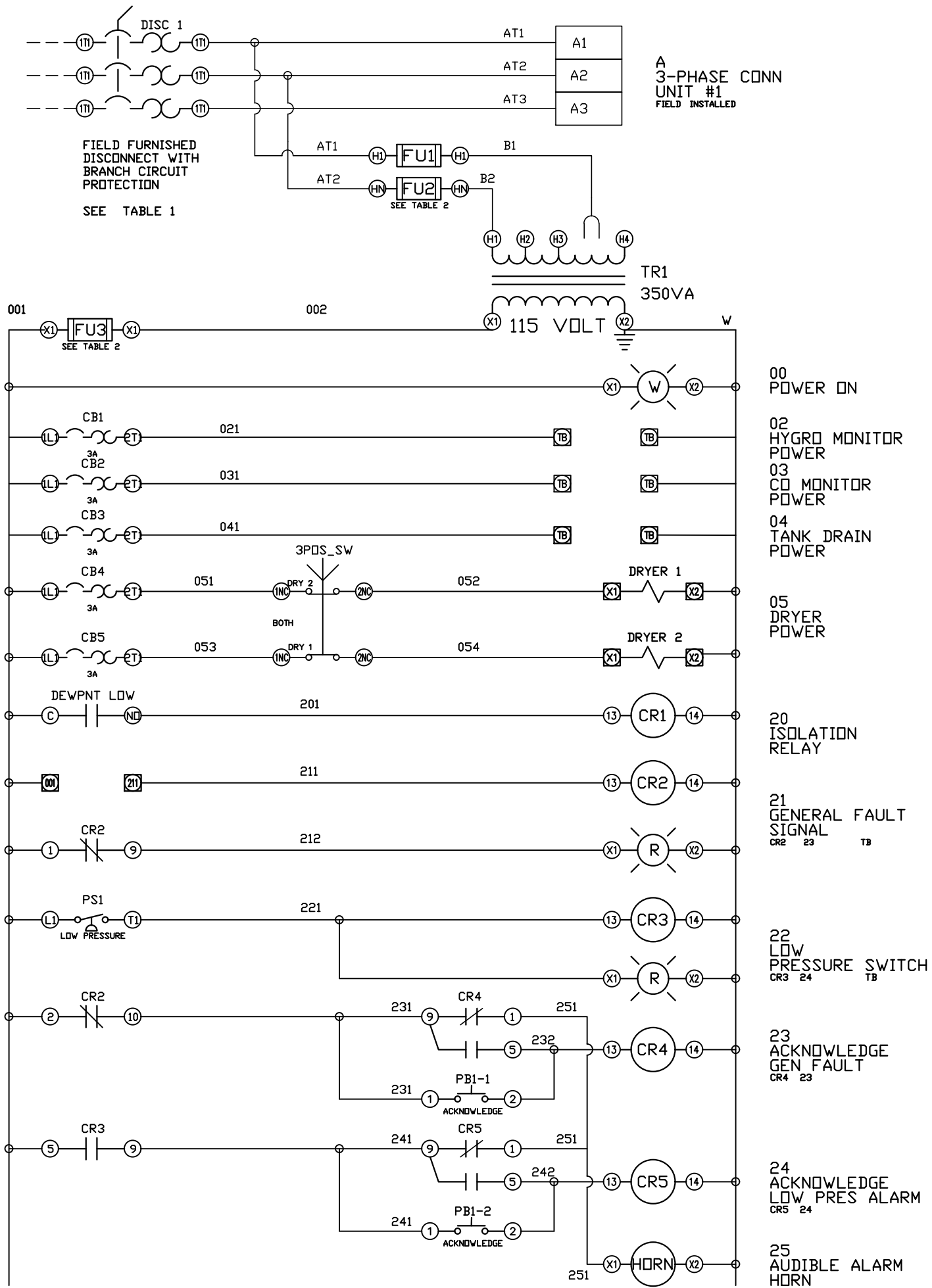




REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	03/11/13	PXEC-29	CHR	DMS
C-1	REMOVED DISTRIBUTION BLOCK	08/19/14	PXEC0067	KMD	DMS
D-1	GENERAL CLEANUP PER EC	03/06/23	PXEC0564	VAG	VAG
E-1	UPDATED CO MON LAYER TB CONN.S	08/28/23	PXEC0559	VAG	VAG
F-1	ADD CB TO EXTERNAL DEVICES & DISCONNECT TO INPUT POWER	07/23/24	PXEC0628	SEK	JRD

OPTIONAL:

POWEREX™

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	DMS	DMS
03/11/13	04/02/13	04/02/13

PANEL TYPE

LAB ENCLOSED SCROLL
SYSTEM CONNECTION PANEL

DWG. TYPE
WIRING

DWG. NO.

PXEL-118

SHEET

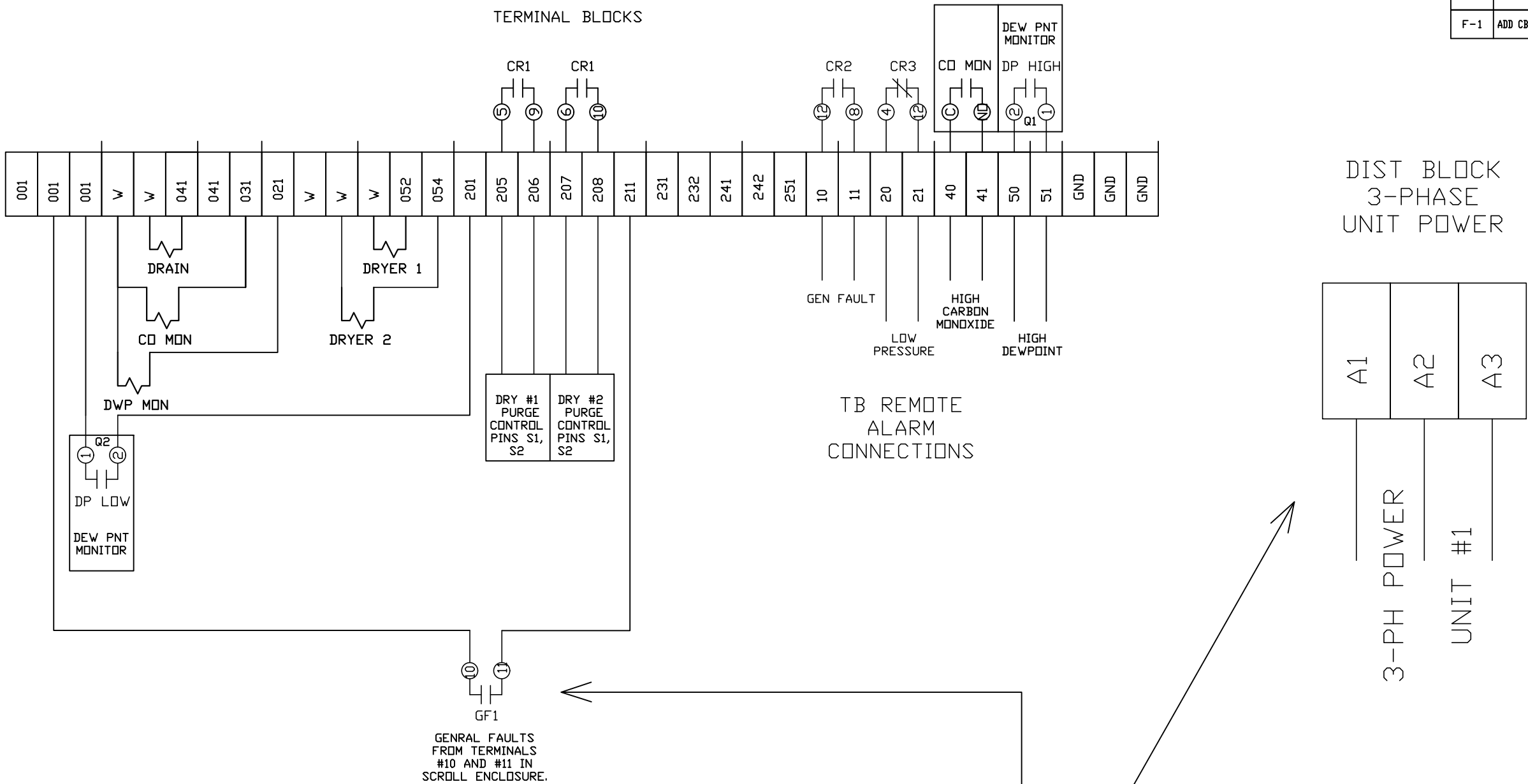
W-1

SIZE

B

PXEL-118

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	03/11/13	PXEC-29	CHR	DMS
C-1	REMOVED DISTRIBUTION BLOCK	08/19/14	PXEC0067	KMD	DMS
D-1	GENERAL CLEANUP PER EC	03/06/23	PXEC0564	VAG	VAG
E-1	UPDATED CO MDN LAYER TB CONN.S	08/28/23	PXEC0559	VAG	VAG
F-1	ADD CB TO EXTERNAL DEVICES & DISCONNECT TO INPUT POWER	07/23/24	PXEC0628	SEK	JRD



FIELD
CONNECTIONS
REQUIRED

FOR REFERENCE SEE
EXT CONN SHEETS

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	DMS	DMS
03/11/13	04/02/13	04/02/13

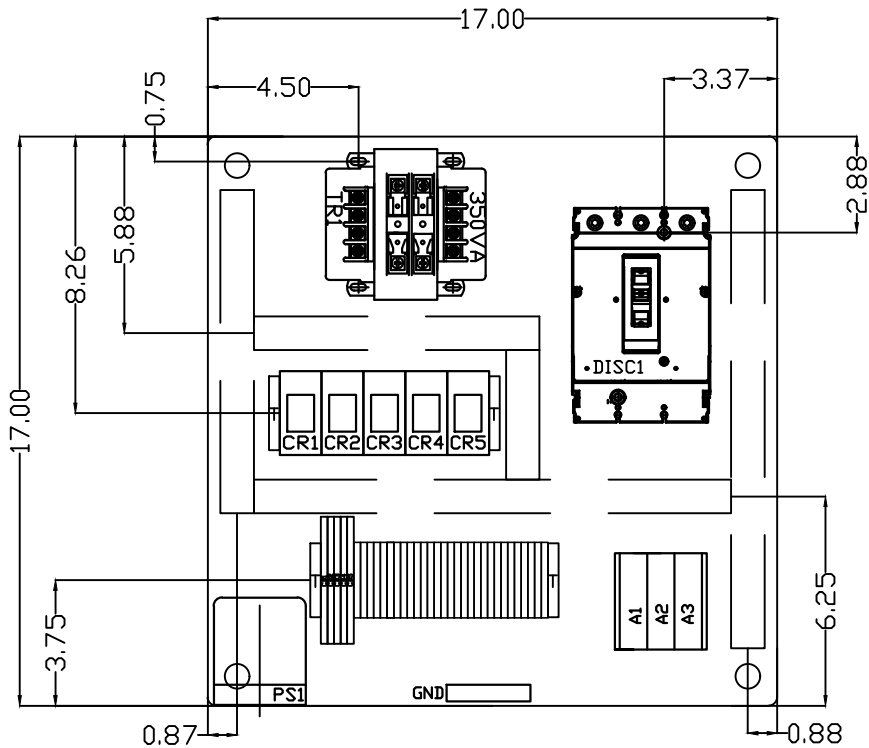
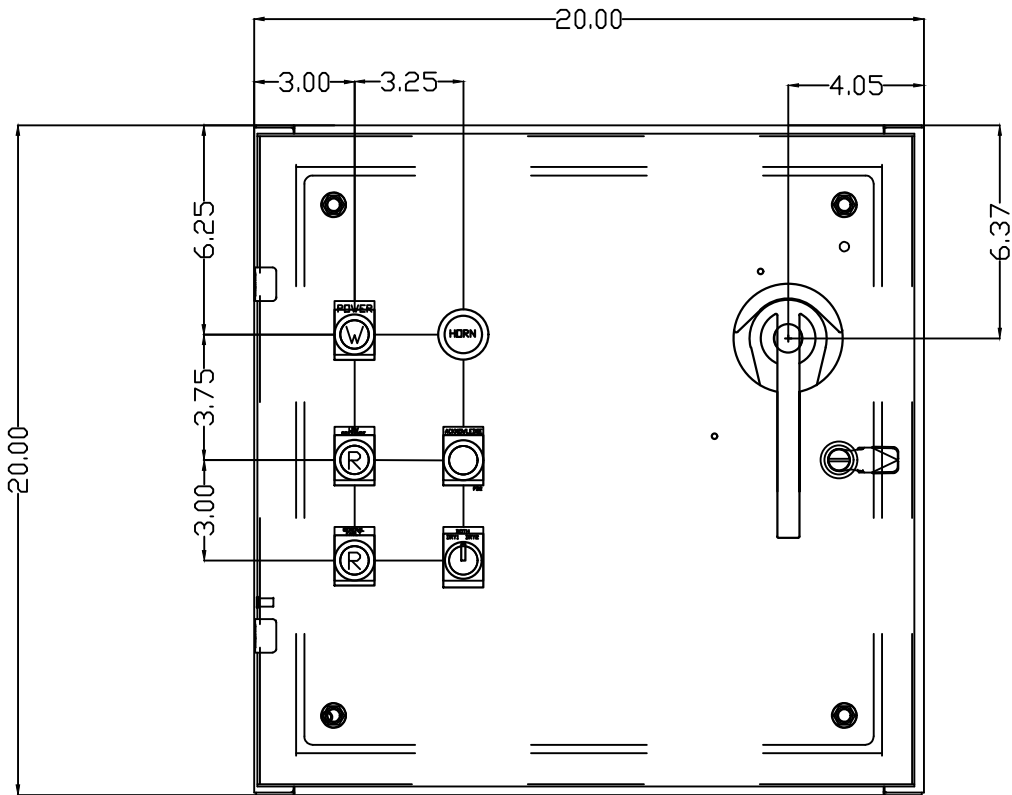
PANEL TYPE
LAB ENCLOSED SCROLL
SYSTEM CONNECTION PANEL

DWG. TYPE
WIRING

DWG. NO.
PXEL-118

SHEET	SIZE
W-2	B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	03/11/13	PXEC-29	CHR	DMS
C-1	REMOVED DISTRIBUTION BLOCK	08/19/14	PXEC0067	KMD	DMS
D-1	GENERAL CLEANUP PER EC	03/06/23	PXEC0564	VAG	VAG
E-1	UPDATED CD MDN LAYER TB CONN.S	08/28/23	PXEC0559	VAG	VAG
F-1	ADD CB TO EXTERNAL DEVICES & DISCONNECT TO INPUT POWER	07/23/24	PXEC0628	SEK	JRD



OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	DMS	DMS
03/11/13	04/02/13	04/02/13

PANEL TYPE
LAB ENCLOSED SCROLL
SYSTEM CONNECTION PANEL

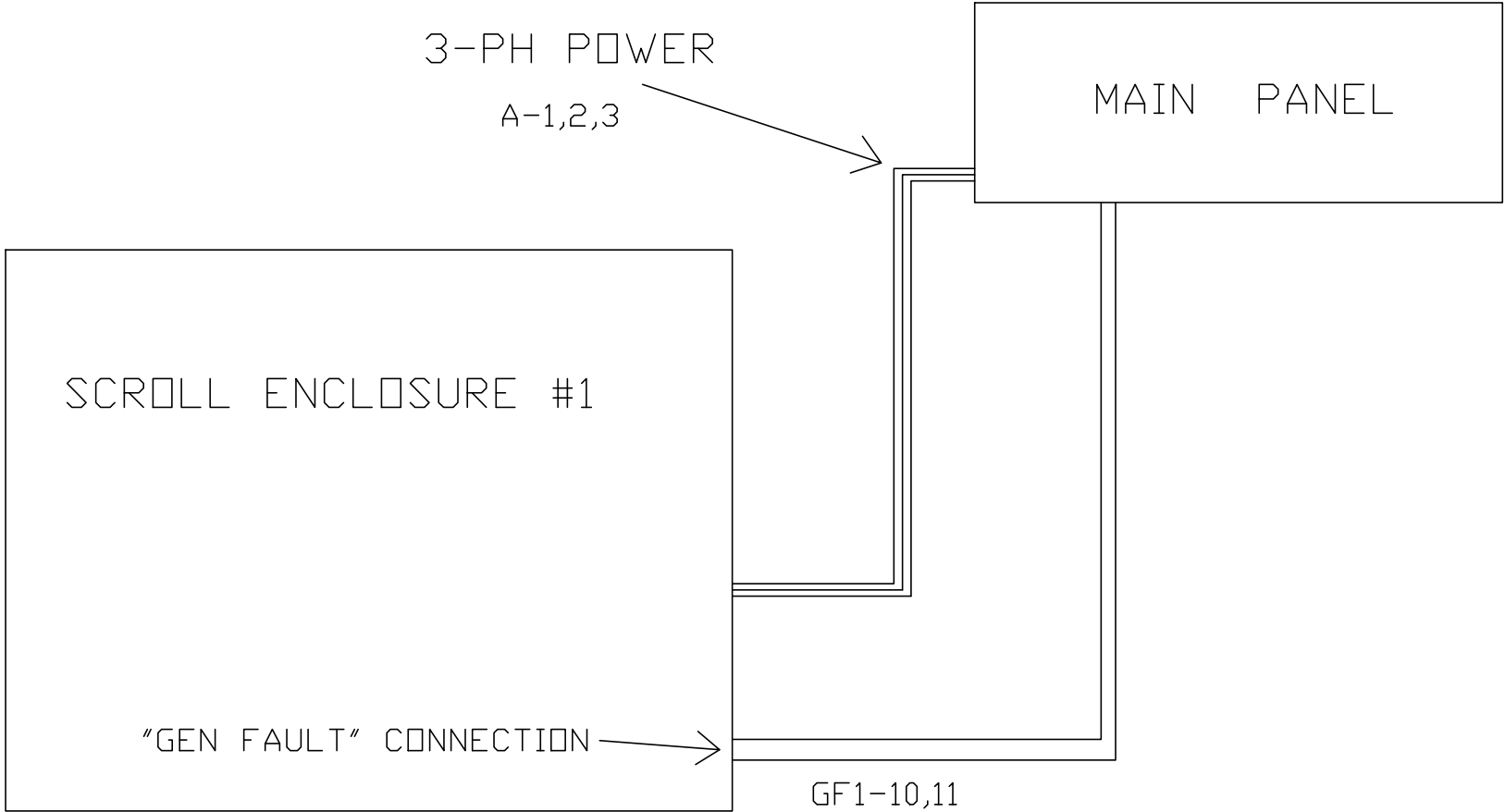
DWG. TYPE LAYOUT

DWG. NO.
PXEL-118

SHEET	SIZE
L-1	B

3-PHASE POWER IS SOURCED FROM THE MAIN ALT PANEL VIA DIST BLOCKS (SEE PAGE W-1 & W-2)
3-PHASE CONDUCTORS SHOULD BE SIZED BASED ON TFLA OF EACH SCROLL ENCLOSURE (SEE SCROLL ENCLOSURE RATINGS)

"GEN FAULT" SIGNALS IS SOURCED 110VAC FROM MAIN PANEL, NO EXTERNAL VOLTAGE IS REQUIRED.
LOW VOLTAGE CONDUCTORS 16-20 AWG (THHN, MTW TYPE) ARE SUFFICIENT.



REFERENCE
LAYOUT

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	03/11/13	PXEC-29	CHR	DMS
C-1	REMOVED DISTRIBUTION BLOCK	08/19/14	PXEC0067	KMD	DMS
D-1	GENERAL CLEANUP PER EC	03/06/23	PXEC0564	VAG	VAG
E-1	UPDATED CO MDN LAYER TB CONNS	08/28/23	PXEC0559	VAG	VAG
F-1	ADD CB TO EXTERNAL DEVICES & DISCONNECT TO INPUT POWER	07/23/24	PXEC0628	SEK	JRD

OPTIONAL:

POWEREX™

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	DMS	DMS
03/11/13	04/02/13	04/02/13

PANEL TYPE

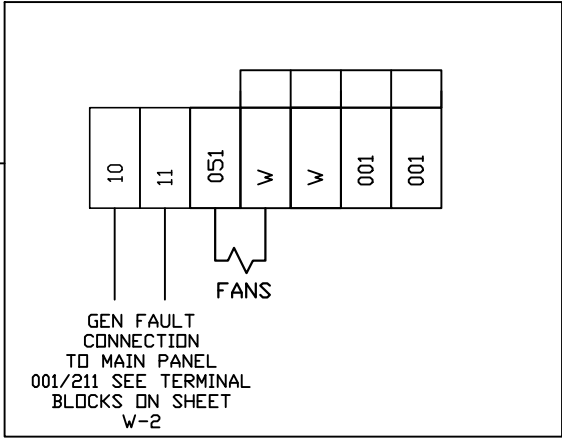
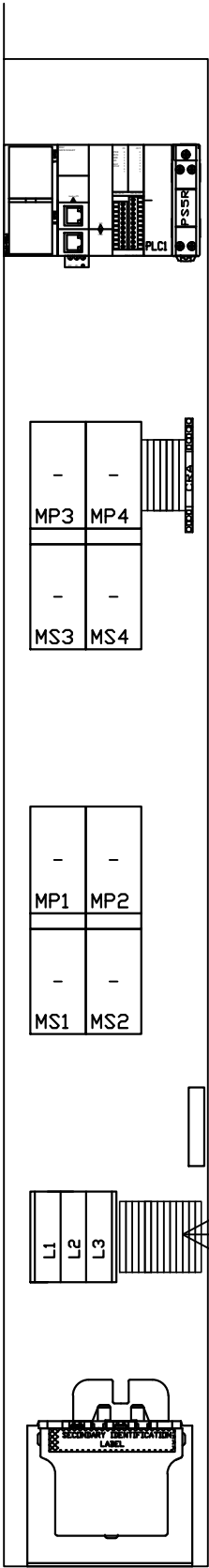
ENCL SCROLL DUPLEX
MAIN ALT PANEL

DWG. TYPE CONNECTION REF

DWG. NO. PXEL-118

SHEET	SIZE
CONREF-1	B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	03/11/13	PXEC-29	CHR	DMS
C-1	REMOVED DISTRIBUTION BLOCK	08/19/14	PXEC0067	KMD	DMS
D-1	GENERAL CLEANUP PER EC	03/06/23	PXEC0564	VAG	VAG
E-1	UPDATED CO MDN LAYER TB CONNS	08/28/23	PXEC0559	VAG	VAG
F-1	ADD CB TO EXTERNAL DEVICES & DISCONNECT TO INPUT POWER	07/23/24	PXEC0628	SEK	JRD



SED-SEQ UNITS

OPTIONAL:



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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	DMS	DMS
03/11/13	04/02/13	04/02/13

PANEL TYPE
LAB ENCLOSED SCROLL
SYSTEM CONNECTION PANEL

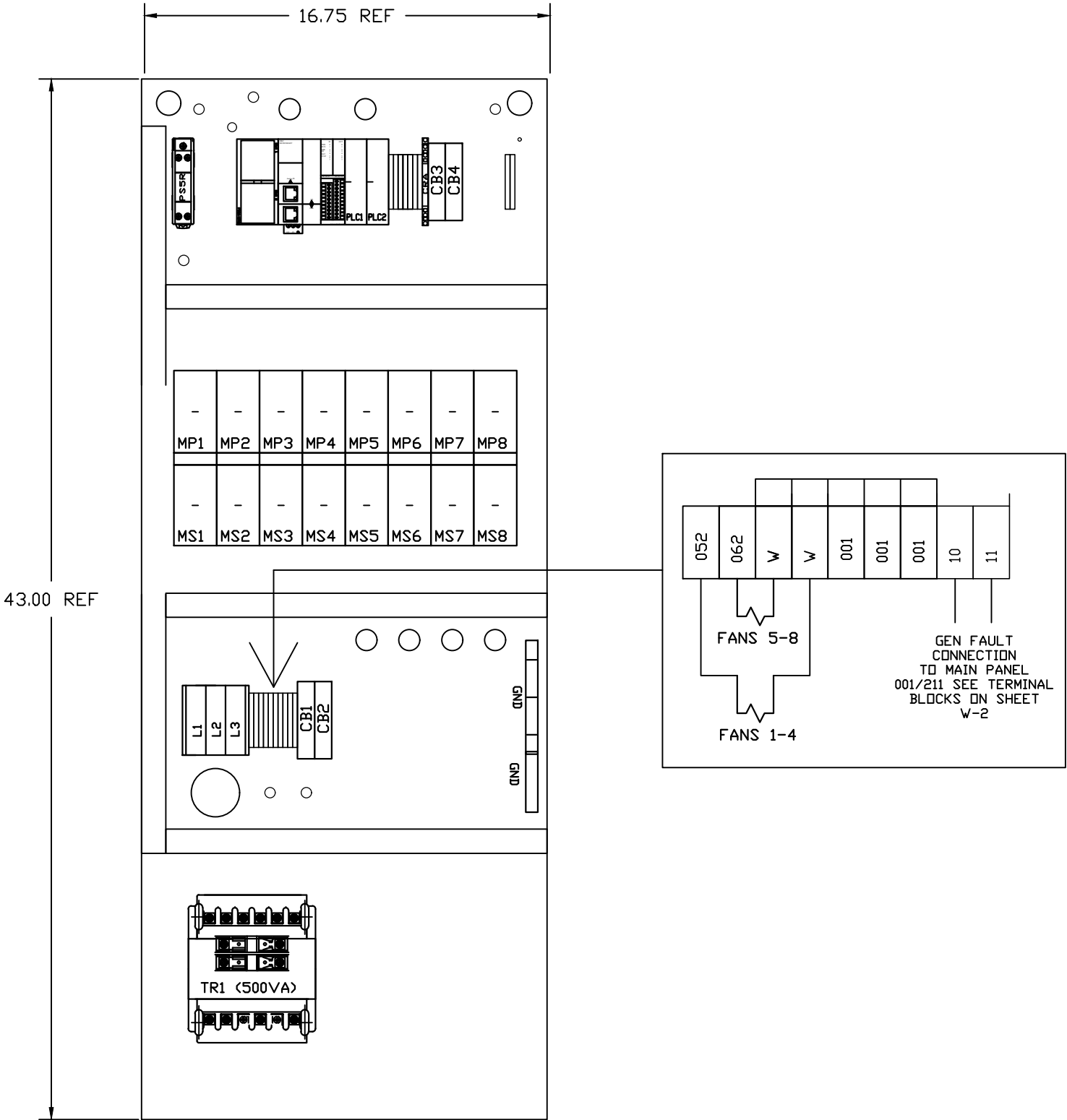
DWG. TYPE
EXT CONN

DWG. NO.
PXEL-118

SHEET EXC-1	SIZE B
----------------	-----------

PXEL-118

SEH-SEO
UNITS



REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	03/11/13	PXEC-29	CHR	DMS
C-1	REMOVED DISTRIBUTION BLOCK	08/19/14	PXEC0067	KMD	DMS
D-1	GENERAL CLEANUP PER EC	03/06/23	PXEC0564	VAG	VAG
E-1	UPDATED CO MON LAYER TB CONNS	08/28/23	PXEC0559	VAG	VAG
F-1	ADD CB TO EXTERNAL DEVICES & DISCONNECT TO INPUT POWER	07/23/24	PXEC0628	SEK	JRD

OPTIONAL:



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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	DMS	DMS
03/11/13	04/02/13	04/02/13

PANEL TYPE

LAB ENCLOSED SCROLL
SYSTEM CONNECTION PANEL

DWG. TYPE

EXT CONN

DWG. NO.

PXEL-118

SHEET

EXC-2

SIZE

B

PXEL-118

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	03/11/13	PXEC-29	CHR	DMS
C-1	REMOVED DISTRIBUTION BLOCK	08/19/14	PXEC0067	KMD	DMS
D-1	GENERAL CLEANUP PER EC	03/06/23	PXEC0564	VAG	VAG
E-1	UPDATED CD MDN LAYER TB CONNS	08/28/23	PXEC0559	VAG	VAG
F-1	ADD CB TO EXTERNAL DEVICES & DISCONNECT TO INPUT POWER	07/23/24	PXEC0628	SEK	JRD

TABLE 1

PANEL DATA 3Ø – 50/60 Hz 350VA CONTROL CIRCUIT							
(A) LOAD SPECIFICATIONS					(B) BRANCH CIRCUIT PROTECTION – PROVIDED BY INSTALLER		
(A) POWER (V/PH)	PANEL PART NUMBER	# OF MOTORS	LARGEST MOTOR LOAD (FLA)	PANEL LOAD TOTAL (FLA)	NO-TIME DELAY FUSE	TIME-DELAY FUSE	INVERSE-TIME CIRCUIT BREAKER
208V/3Ø	A2AJ	2	14.4	31	60A	45A	60A
	F2AJ	3	14.4	46	80A	60A	70A
	G2AJ	4	14.4	60	90A	80A	90A
	I2AJ	6	14.4	89	125A	100A	110A
	K2AJ	8	14.4	118	150A	150A	150A
230V/3Ø	A3AJ	2	13	28	60A	40A	50A
	F3AJ	3	13	41	70A	60A	70A
	G3AJ	4	13	54	80A	70A	80A
	I3AJ	6	13	80	110A	90A	100A
	K3AJ	8	13	106	150A	125A	150A
380V/3Ø	I8AJ	6	7.88	48.8	70A	60A	70A
460V/3Ø	A4AJ	2	6.49	15	30A	20A	25A
	F4AJ	3	6.49	22	35A	30A	35A
	G4AJ	4	6.49	29	45A	35A	40A
	I4AJ	6	6.49	41	60A	50A	50A
	K4AJ	8	6.49	54	70A	60A	65A

NOTES:

1. RECOMMENDED TIGHTENING TORQUES FOR WIRE TERMINALS:
208-575 VOLT POWER 35 POUND INCHES
120 VOLT POWER AND CONTROL 15 POUND INCHES
2. PANEL GROUND MUST BE CONNECTED TO EARTH GROUND
3. INSTALLER TO PROVIDE MAIN DISCONNECTING DEVICE FOR THIS ELECTRICAL ASSEMBLY. SHORT CIRCUIT PROTECTION IS RECOMMENDED. SEE TABLE 1. IF PROVIDING PANEL SHORT CIRCUIT PROTECTION USING TIME DELAY (CLASS J) FUSES, PANEL SCCR IS 65KA. OTHERWISE, PANEL SCCR IS 5KA.
4. ALL WIRES MUST BE LABELED ON BOTH ENDS
5. TRANSFORMER IS SIZED FOR LOADS SHOWN ON DRAWING ONLY. DO NOT CONNECT ANY OTHER DEVICES
6. △ -INDICATES A DRAWING WIRE CONNECTION TO ANOTHER PAGE.
7. TEST MODE JUMPER WILL CHANGE ALTERNATION CYCLE AND MINIMUM RUM TIMERS. USE WITH-OUT AUTHORIZATION MAY CAUSE UNSTABLE OPERATION. CONSULT FACTORY BEFORE USE.

FIELD WIRING NOTES ON PAGE W-8.

WIRE TYPE TABLE			
VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-599	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	600-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	-	VARIES	GREEN
CUSTOMER SUPPLY	01-99	16-18AWG	YELLOW

OPTIONAL:



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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	DMS	DMS
03/11/13	04/02/13	04/02/13

PANEL TYPE	
LAB ENCLOSED SCROLL SYSTEM CONNECTION PANEL	
DWG. TYPE DATA	
DWG. NO. PXEL-118	
SHEET D1	SIZE B
PXEL-118	

TABLE 2

CONTROL TRANSFORMERS – 350VA					
FUSE TYPE		208 VOLT	230 VOLT	380 VOLT	460 VOLT
FU1	FNQR	7A	7A	3A	3A
FU2					
FU3	FNM	2.5A	2.5A	2.5A	2.5A
PRIMARY FUSE CONNECT (HN)		H2	H3	H3	H4

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	03/11/13	PXEC-29	CHR	DMS
C-1	REMOVED DISTRIBUTION BLOCK	08/19/14	PXEC0067	KMD	DMS
D-1	GENERAL CLEANUP PER EC	03/06/23	PXEC0564	VAG	VAG
E-1	UPDATED CD MDN LAYER TB CONNS	08/28/23	PXEC0559	VAG	VAG
F-1	ADD CB TO EXTERNAL DEVICES & DISCONNECT TO INPUT POWER	07/23/24	PXEC0628	SEK	JRD

TABLE 1								
PANEL DATA 3ø - 50/60 Hz 350VA CONTROL CIRCUIT								
(A) LOAD SPECIFICATIONS						(B) BRANCH CIRCUIT PROTECTION - PROVIDED BY INSTALLER		
(A) POWER (V/Ph)	PANEL PART NUMBER	# OF MOTORS	LARGEST MOTOR LOAD (FLA)	PANEL LOAD TOTAL (FLA)		NONTIME DELAY FUSE	TIME-DELAY FUSE	INVERSE-TIME CIRCUIT BREAKER
460V/3ø	E4AJ	2	8.67	19.3		40A	30A	35A
460V/3ø	J4AJ	3	11.5	36.5		60A	50A	60A
460V/3ø	K24AJ	4	11.5	48		80A	60A	70A
460V/3ø	L4AJ	5	11.5	59.5		90A	70A	80A
460V/3ø	M4AJ	6	11.5	71		100A	80A	90A

NOTES:

1. RECOMMENDED TIGHTENING TORQUES FOR WIRE TERMINALS:
208-575 VOLT POWER 35 POUND INCHES
120 VOLT POWER AND CONTROL 15 POUND INCHES
2. PANEL GROUND MUST BE CONNECTED TO EARTH GROUND
3. INSTALLER TO PROVIDE MAIN DISCONNECTING DEVICE FOR THIS ELECTRICAL ASSEMBLY. SHORT CIRCUIT PROTECTION IS RECOMMENDED. SEE TABLE 1. IF PROVIDING PANEL SHORT CIRCUIT PROTECTION USING TIME DELAY (CLASS J) FUSES, PANEL SCCR IS 65KA. OTHERWISE, PANEL SCCR IS 5KA.
4. ALL WIRES MUST BE LABELED ON BOTH ENDS
5. TRANSFORMER IS SIZED FOR LOADS SHOWN ON DRAWING ONLY. DO NOT CONNECT ANY OTHER DEVICES
6. Δ -INDICATES A DRAWING WIRE CONNECTION TO ANOTHER PAGE.
7. TEST MODE JUMPER WILL CHANGE ALTERNATION CYCLE AND MINIMUM RUM TIMERS. USE WITH-OUT AUTHORIZATION MAY CAUSE UNSTABLE OPERATION. CONSULT FACTORY BEFORE USE.

FIELD WIRING NOTES ON PAGE W-8.

WIRE TYPE TABLE			
VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-599	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	600-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	-	VARIES	GREEN
CUSTOMER SUPPLY	01-99	16-18AWG	YELLOW

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	DMS	DMS
03/11/13	04/02/13	04/02/13

PANEL TYPE

LAB ENCLOSED SCROLL
SYSTEM CONNECTION PANEL

DWG. TYPE DATA

DWG. NO. PXEL-118

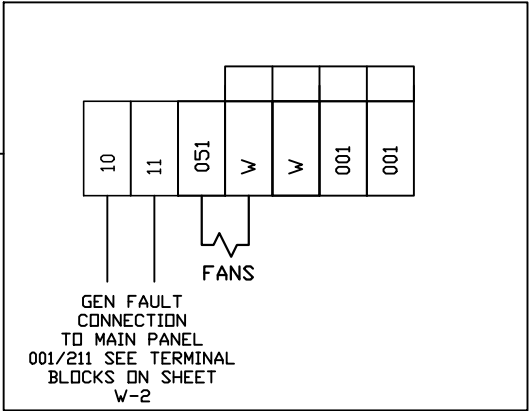
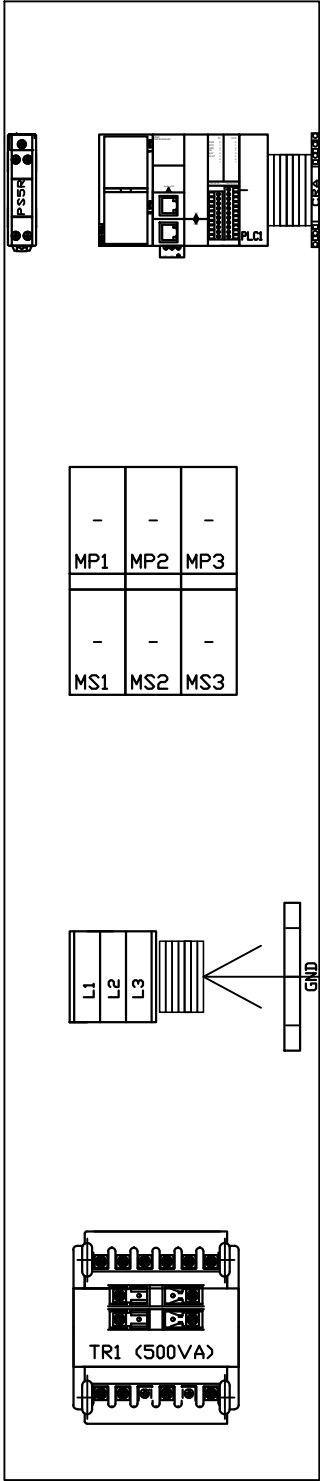
SHEET	SIZE
D1	B

PXEL-118

TABLE 2

CONTROL TRANSFORMERS - 350VA					
FUSE TYPE		208 VOLT	230 VOLT	380 VOLT	460 VOLT
FU1	FNQR	7A	7A	3A	3A
FU2					
FU3	FNM	2.5A	2.5A	2.5A	2.5A
PRIMARY FUSE CONNECT (HN)		H2	H3	H3	H4

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	03/11/13	PXEC-29	CHR	DMS
C-1	REMOVED DISTRIBUTION BLOCK	08/19/14	PXEC0067	KMD	DMS
D-1	GENERAL CLEANUP PER EC	03/06/23	PXEC0564	VAG	VAG
E-1	UPDATED CO MON LAYER TB CONNS	08/28/23	PXEC0559	VAG	VAG
F-1	ADD CB TO EXTERNAL DEVICES & DISCONNECT TO INPUT POWER	07/23/24	PXEC0628	SEK	JRD



7.5/10 HP
SED-SET UNITS

OPTIONAL:

POWEREX

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	DMS	DMS
03/11/13	04/02/13	04/02/13

PANEL TYPE

LAB ENCLOSED SCROLL
SYSTEM CONNECTION PANEL

DWG. TYPE

EXT CONN

DWG. NO.

PXEL-118

SHEET

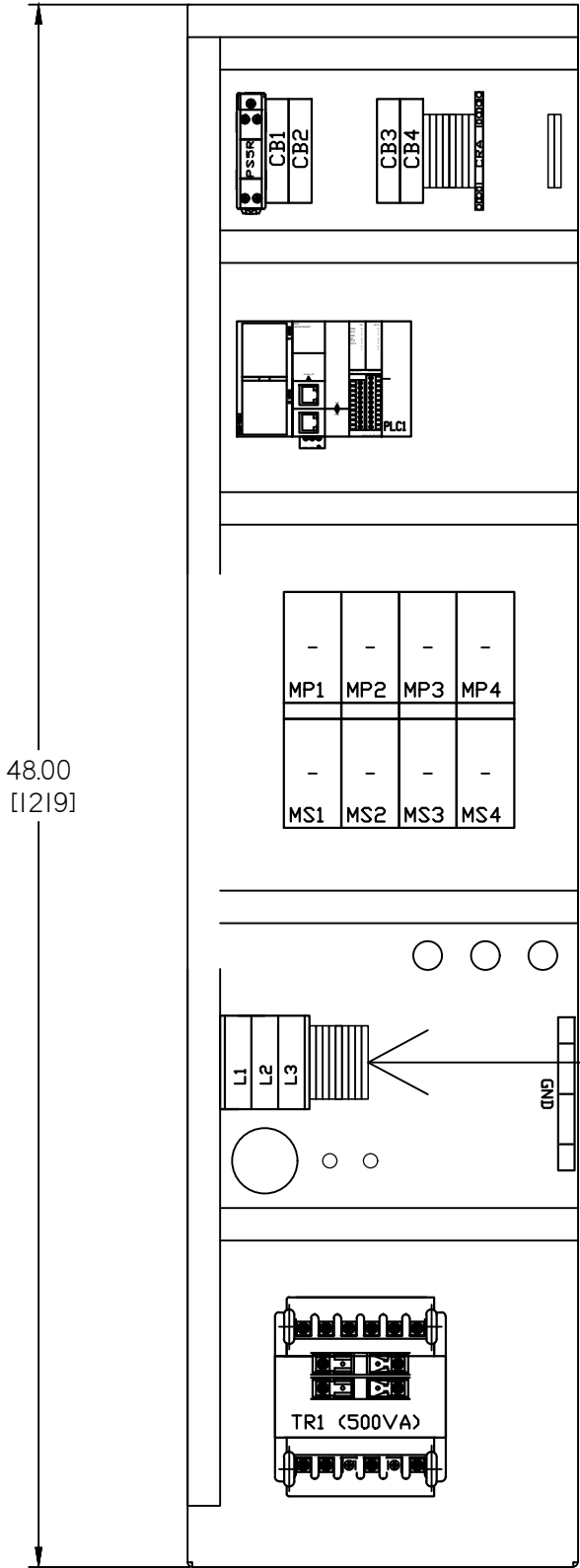
EXC-3

SIZE

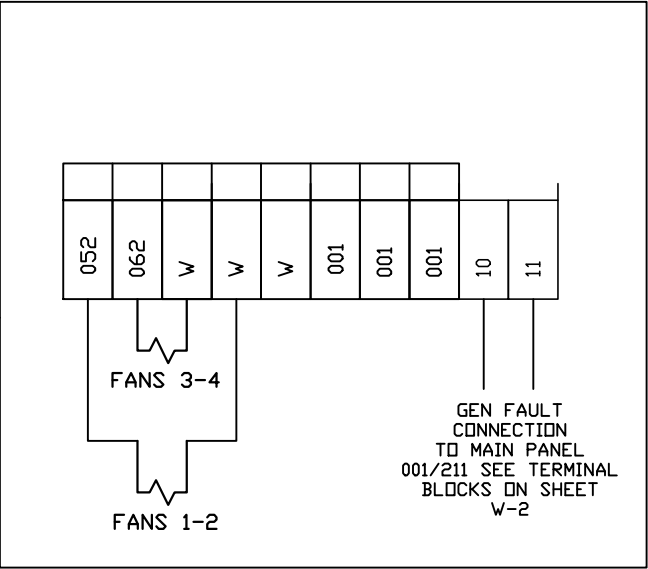
B

PXEL-118

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	03/11/13	PXEC-29	CHR	DMS
C-1	REMOVED DISTRIBUTION BLOCK	08/19/14	PXEC0067	KMD	DMS
D-1	GENERAL CLEANUP PER EC	03/06/23	PXEC0564	VAG	VAG
E-1	UPDATED CD MDN LAYER TB CONNS	08/28/23	PXEC0559	VAG	VAG
F-1	ADD CB TO EXTERNAL DEVICES & DISCONNECT TO INPUT POWER	07/23/24	PXEC0628	SEK	JRD



7.5/10 HP
SEQ UNITS



OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
CHR	DMS	DMS
03/11/13	04/02/13	04/02/13

PANEL TYPE
LAB ENCLOSED SCROLL
SYSTEM CONNECTION PANEL

DWG. TYPE
EXT CONN

DWG. NO.
PXEL-118

SHEET EXC-4	SIZE B
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PXEL-118