

WARREN TRUCK
ASSEMBLY PLANT

SMART INSPECT

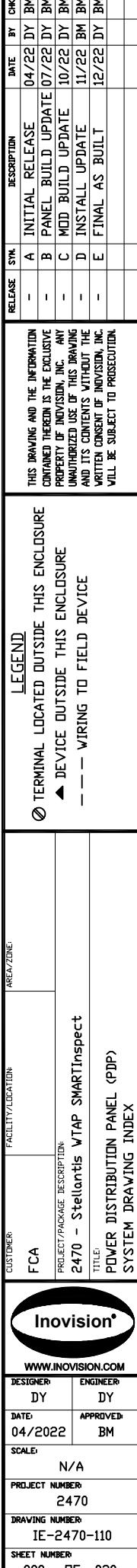
INOVISION PROJECT #2470

DRAWING SERIES IE-2470-110-111-112-113-114

ELECTRICAL DRAWINGS

CUSTOMER:		FACILITY/LOCATION	AREA/ZONE:	RELEASE SYM.	DESCRIPTION	DATE BY CHK.
FCA				-	A INITIAL RELEASE	04/22 DY BM
				-	B PANEL BUILD UPDATE	07/22 DY BM
				-	C MOD BUILD UPDATE	10/22 DY BM
				-	D INSTALL UPDATE	11/22 BM BM
				-	E FINAL AS BUILT	12/22 DY BM
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LEGEND		◎ TERMINAL LOCATED OUTSIDE THIS ENCLOSURE ◀ DEVICE OUTSIDE THIS ENCLOSURE — — WIRING TO FIELD DEVICE				
PROJECT/PACKAGE DESCRIPTION: 2470 - Stellantis WTAP SMARTinspect						
TITLE: POWER DISTRIBUTION PANEL (PDP)						
COVER SHEET						
Inovision®						
WWW.INOVISION.COM						
DESIGNER:	ENGINEER:					
DY	DY					
DATE:	APPROVED:					
04/2022	BM					
SCALE:	N/A					
PROJECT NUMBER:	2470					
DRAWING NUMBER:	IE-2470-110					
SHEET NUMBER:	020					
CVR OF 020						

PLANT DRAWING NUMBER	SHEET NUMBER	IE-2470 NUMBER	DRAWING TITLE AND DESCRIPTION
	000	-110	SYSTEM DRAWING INDEX
	001	-110	PDP INTERCONNECTION DIAGRAM
	002	-110	PDP POWER DISTRIBUTION CIRCUITRY
	003	-110	PDP POWER DISTRIBUTION CIRCUITRY
	004	-110	PDP POWER DISTRIBUTION CIRCUITRY
	005	-110	PDP POWER DISTRIBUTION CIRCUITRY
	006	-110	PDP POWER DISTRIBUTION CIRCUITRY
	007	-110	PDP POWER DISTRIBUTION CIRCUITRY
	008	-110	PDP SPARE SHEET
	009	-110	PDP POWER DISTRIBUTION CIRCUITRY
	010	-110	PDP SPARE SHEET
	011	-110	PDP POWER DISTRIBUTION CIRCUITRY
	012	-110	PDP POWER DISTRIBUTION CIRCUITRY
	013	-110	PDP POWER DISTRIBUTION CIRCUITRY
	014	-110	PDP SPARE SHEET
	015	-110	PDP EXTERIOR OVERVIEW
	016	-110	PDP SUBPLATE LAYOUT
	017	-110	PDP TAG SHEET
	018	-110	PDP BOTTOM VIEW OF ENCLOSURE
	019	-110	PDP CONNECTOR CHARTS
	020	-110	PDP BILL OF MATERIAL
	021	-111	PAC INTERCONNECTION DIAGRAM
	022	-111	PAC POWER DISTRIBUTION CIRCUITRY
	023	-111	PAC POWER DISTRIBUTION CIRCUITRY
	024	-111	PAC POWER DISTRIBUTION CIRCUITRY
	025	-111	PAC POWER DISTRIBUTION CIRCUITRY
	026	-111	PAC POWER DISTRIBUTION CIRCUITRY
	027	-111	PAC SPARE SHEET
	028	-111	PAC SPARE SHEET
	029	-111	PAC SPARE SHEET
	030	-111	PAC CONVEYOR AND TRIGGER PANEL CONNECTION DIAGRAM
	031	-111	PAC SPARE SHEET
	032	-111	PAC SPARE SHEET
	033	-111	PAC INTERLOCK CIRCUITRY
	034	-111	PAC ENCODER CONNECTION DIAGRAM
	035	-111	PAC COMMUNICATION DIAGRAM
	036	-111	PAC CONTROL LOGIX RACK LAYOUT
	037	-111	PAC CONTROL LOGIX RACK SLOT 0 & 1
	038	-111	PAC CONTROL LOGIX RACK SLOT 2 & 3
	039	-111	PAC CONTROL LOGIX RACK SLOT 4 & 5
	040	-111	PAC CONTROL LOGIX RACK SLOT 6 & 7
	041	-111	PAC CONTROL LOGIX RACK SLOT 8 & 9
	042	-111	PAC MAIN PLC RACK SLOTS 1 AND 2
	043	-111	PAC MAIN PLC RACK SLOTS 3 AND 4
	044	-111	PAC MAIN PLC CHASSIS 02 RESERVED SPACE
	045	-111	PAC MAIN PLC RACK SLOTS 5 AND 6
	046	-111	PAC MAIN PLC RACK SLOTS 7
	047	-111	PAC MAIN PLC RACK SLOTS 8, 9 AND 10
	048	-111	PAC MAIN PLC RACK SLOTS 11 AND 12
	049	-111	PAC MAIN PLC CHASSIS 02 RESERVED SPACE
	050	-111	PAC MAIN PLC CHASSIS 02 RESERVED SPACE
	051	-111	PAC MAIN PLC CHASSIS 02 RESERVED SPACE
	052	-111	PAC MAIN PLC CHASSIS 02 RESERVED SPACE
	053	-111	PAC MAIN PLC CHASSIS 02 RESERVED SPACE
	054	-111	PAC MAIN PLC CHASSIS 02 RESERVED SPACE
	055	-111	PAC INPUT/OUTPUT CIRCUITRY - SPARE
	056	-111	PAC INPUT/OUTPUT CIRCUITRY - SPARE
	057	-111	PAC INPUT/OUTPUT CIRCUITRY - SPARE
	058	-111	PAC INPUT/OUTPUT CIRCUITRY - SPARE
	059	-111	PAC INPUT/OUTPUT CIRCUITRY - SPARE
	060	-111	PAC INPUT/OUTPUT CIRCUITRY - SPARE
	061	-111	PAC INTERIOR FRONT DOOR DETAIL
	062	-111	PAC SPARE SHEET
	063	-111	PAC TAG SHEET
	064	-111	PAC EXTERIOR VIEW - FRONT
	065	-111	PAC INTERIOR SUBPLATE LAYOUT
	066	-111	PAC CONNECTOR PLATE LAYOUT
	067	-111	PAC SPARE SHEET
	068	-111	PAC EXTERIOR VIEW - REAR
	069	-111	PAC EXTERIOR VIEW - OPERATOR PANEL LAYOUT
	070	-111	PAC EXTERIOR VIEW - SIDES
	071	-111	PAC SPARE SHEET
	072	-111	PAC BILL OF MATERIAL
	073	-112	SP INTERCONNECTION DIAGRAM
	074	-112	SP POWER DISTRIBUTION
	075	-112	SP POWER DISTRIBUTION
	076	-112	SP POWER DISTRIBUTION
	077	-112	SP POWER DISTRIBUTION - SPARE SHEET
	078	-112	SP POWER DISTRIBUTION
	079	-112	SP POWER DISTRIBUTION
	080	-112	SP ETHERNET SWITCH #1 & 2
	081	-112	SP ETHERNET SWITCH #3 & 4
	082	-112	SP ETHERNET SWITCH #5 & 6
	083	-112	SP ETHERNET SWITCH #7 & 8
	084	-112	SP ETHERNET SWITCH #9 & 10
	095	-112	SP SPARE SHEET



MONITOR CONTROL ASSEMBLY #1
IE-9030-200

MONITOR CONTROL ASSEMBLY #2
IE-9030-200

HMI
IE-2474-510

PROG. OUTLET
IE-9020-951

120VAC

120VAC

120VAC

120VAC

480 VOLTS AC
100 AMP BUSS
FULL LOAD 57 AMPS
L1, L2, L3, GROUND

MJ1CBL
3 PIN

MJ2CBL
3 PIN

HMICBL
3 PIN

RECPBL
3 PIN

POWER DISTRIBUTION PANEL (PDP)

IE-2470-110

ACCBL
4 PIN

UPS1PWR
4 PIN

SPCBL
6 PIN

SP2CBL
6 PIN

SP3CBL
6 PIN

SP4CBL
6 PIN

SP5CBL
6 PIN

PD2CBL
24 PIN

LEDCBL1-LEDCBL4
3 PIN

120VAC

120VAC

240VAC

240VAC

240VAC

240VAC

24VDC

120VAC

120VAC

120VAC

SERVER PANEL (SP)

IE-2470-112

PROGRAMMABLE AUTOMATION CONTROLLER (PAC)

IE-2470-111

LIGHT POWER SUPPLY #1
IE-9030-974

LIGHT POWER SUPPLY #2
IE-9030-974

LIGHT JBOX #1
IE-9030-241

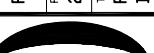
LIGHT JBOX #2
IE-9030-241

*TYPICAL FOR LIGHT POWER CIRCUITS

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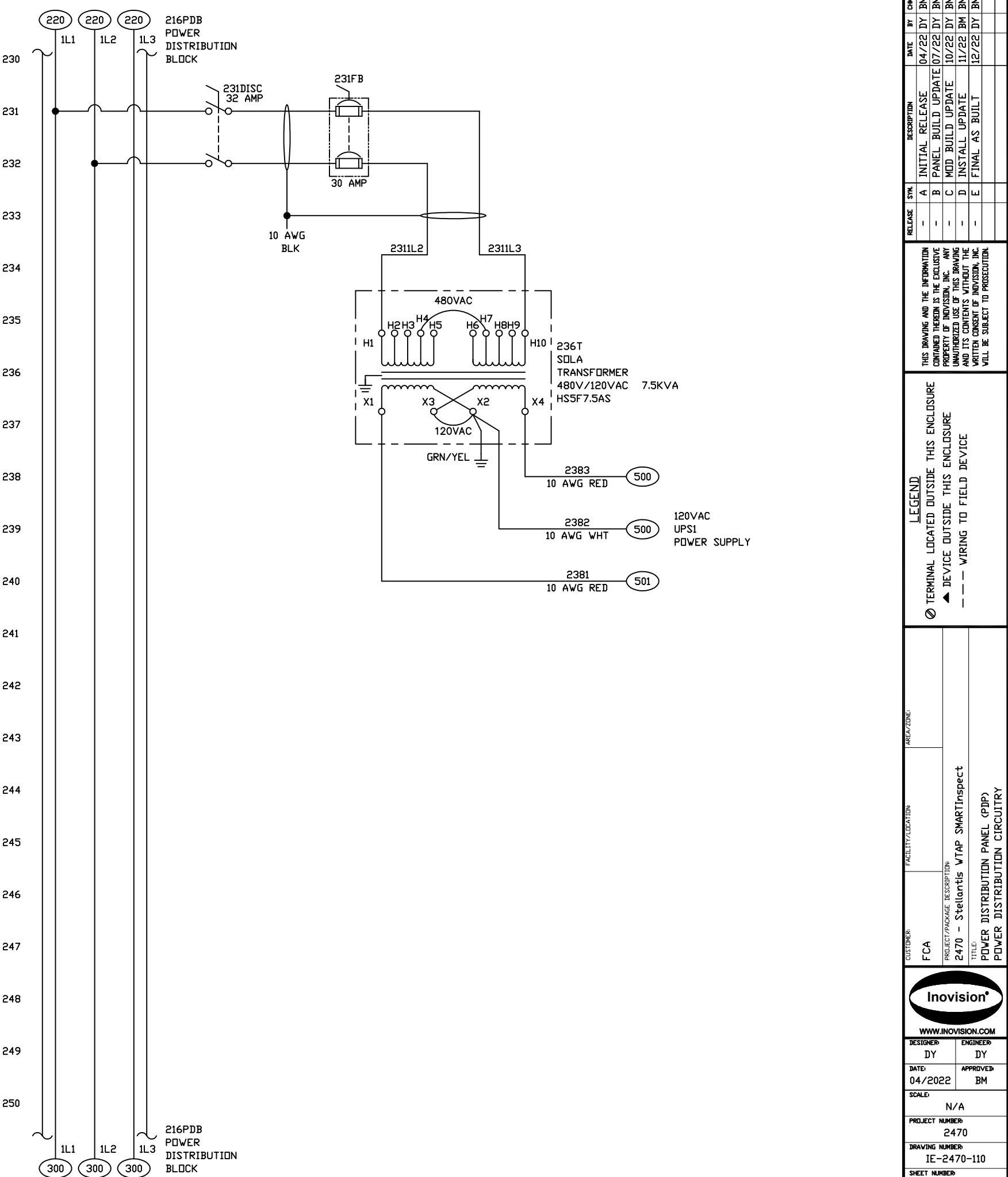
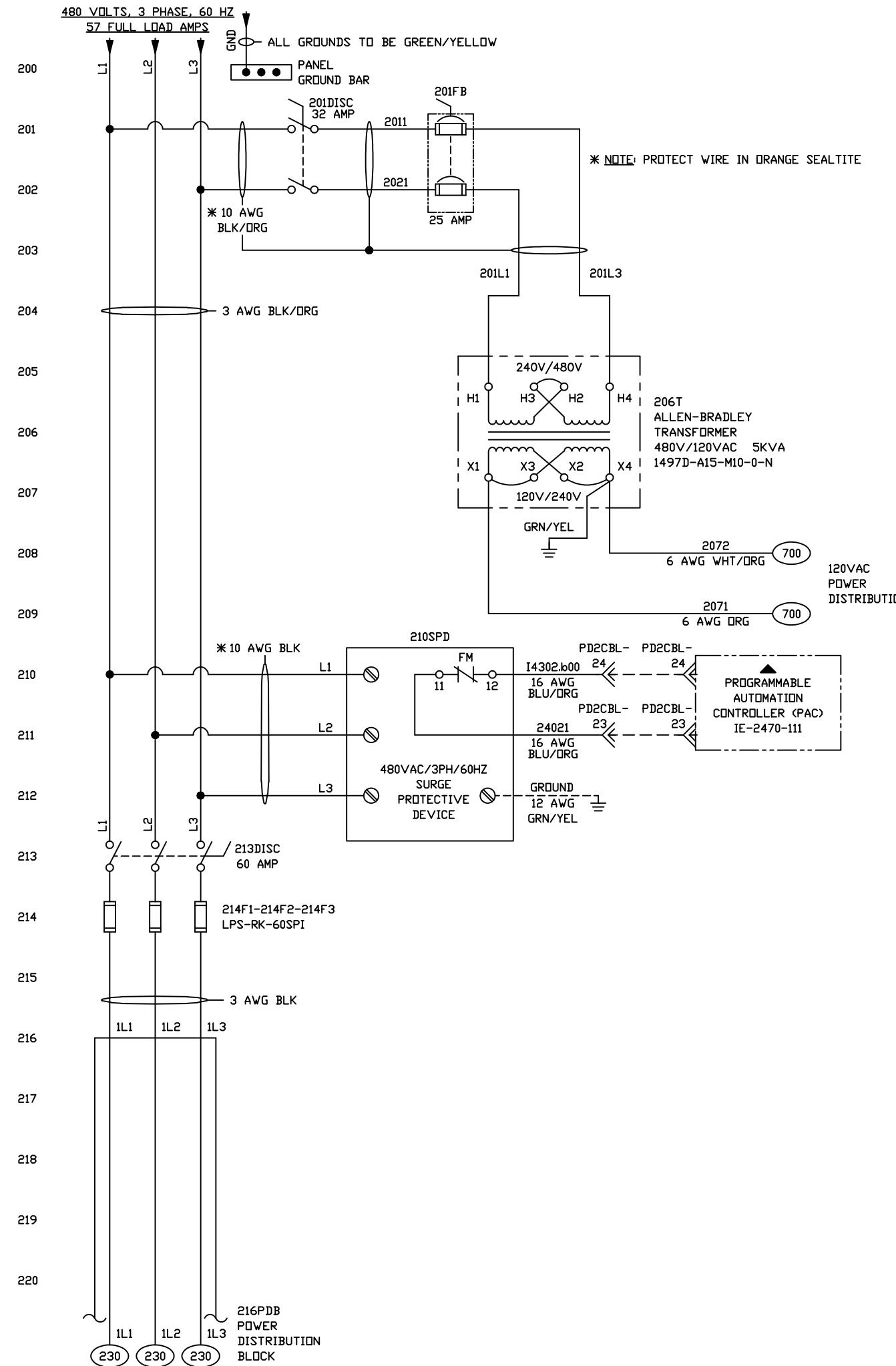
LEGEND
TERMINAL LOCATED OUTSIDE THIS ENCLOSURE
DEVICE OUTSIDE THIS ENCLOSURE
— WIRING TO FIELD DEVICE

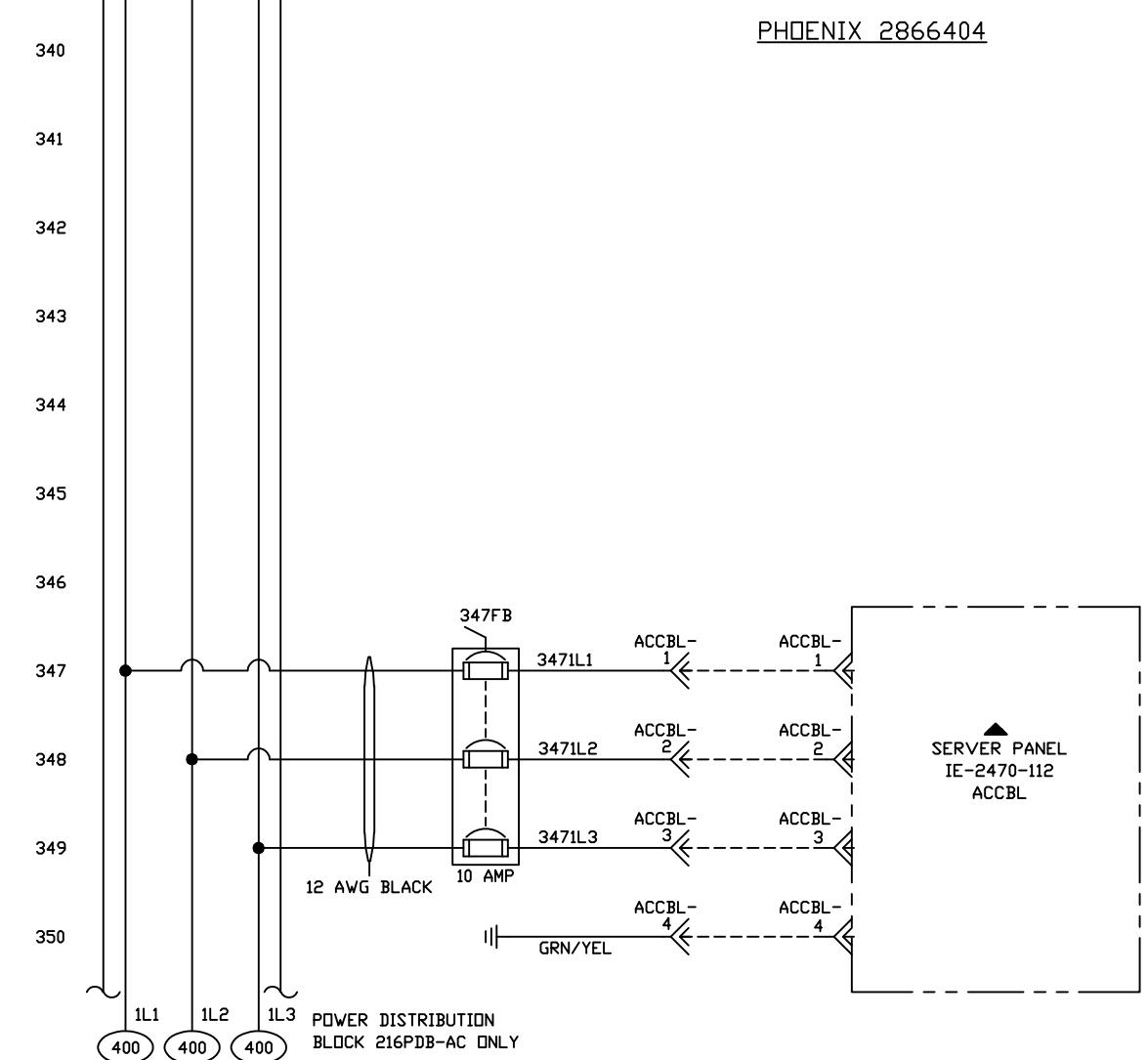
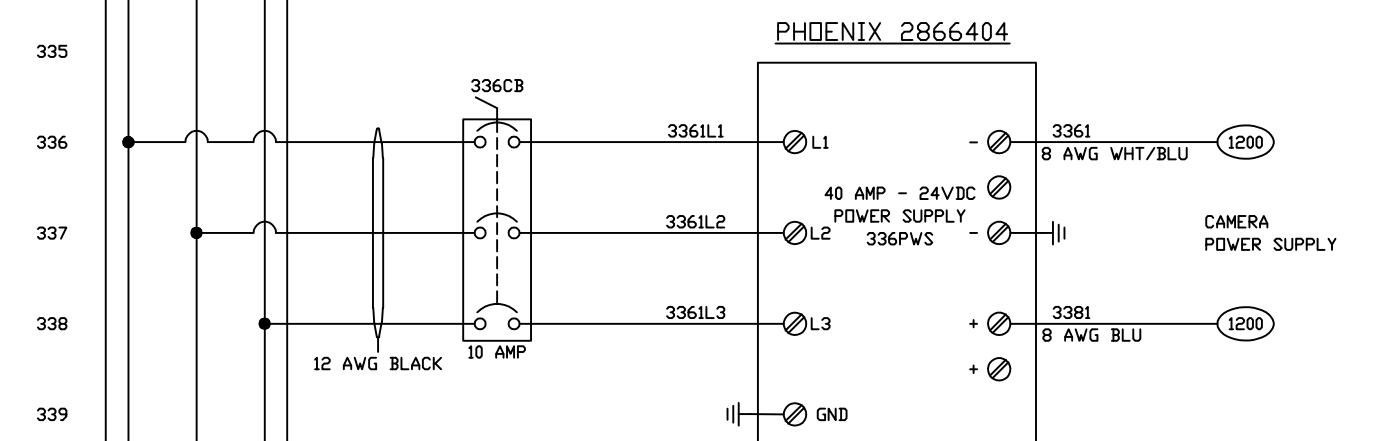
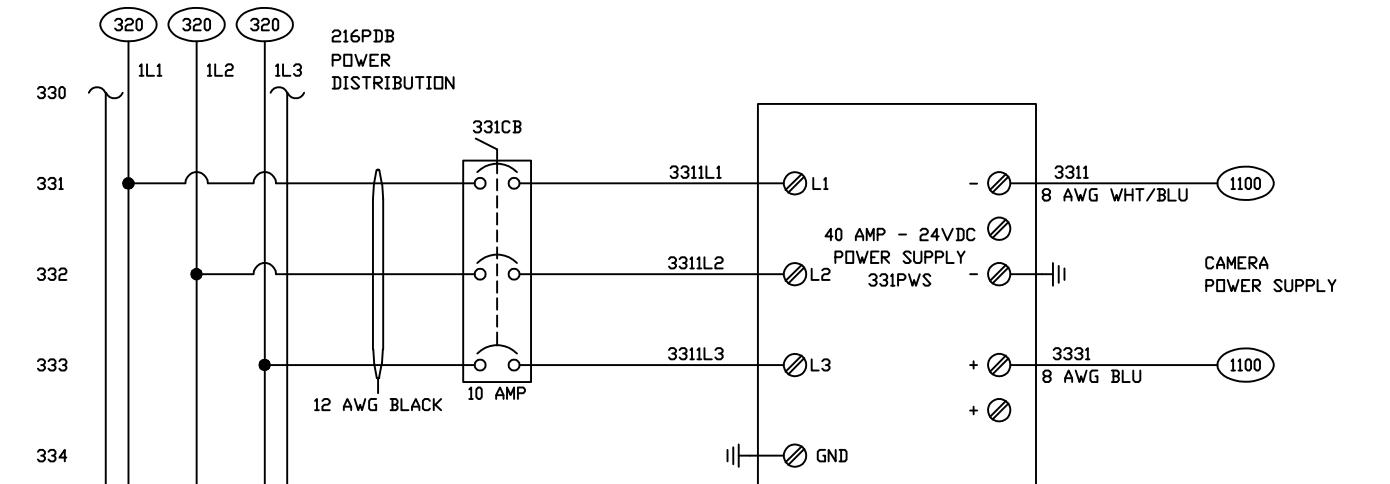
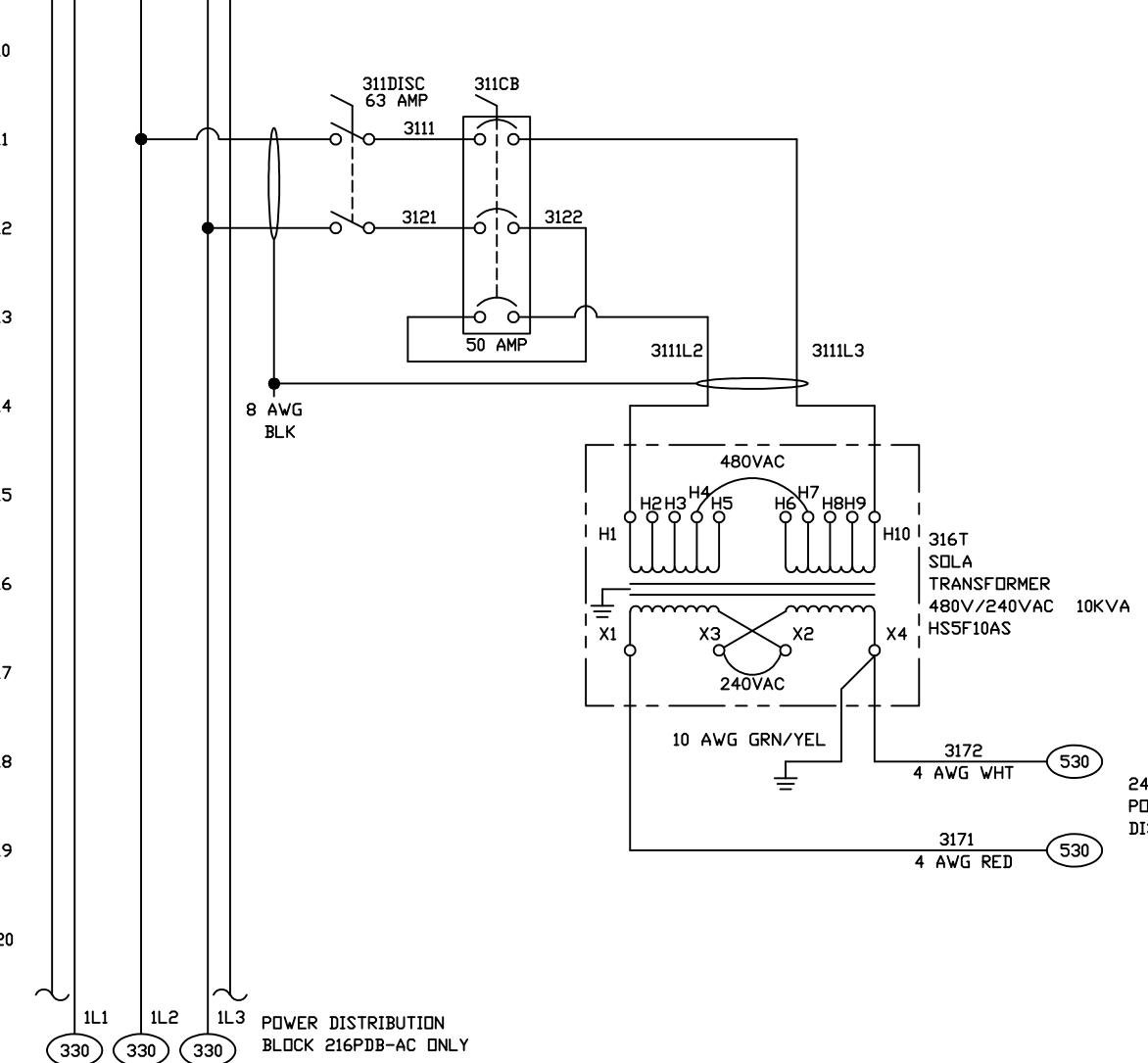
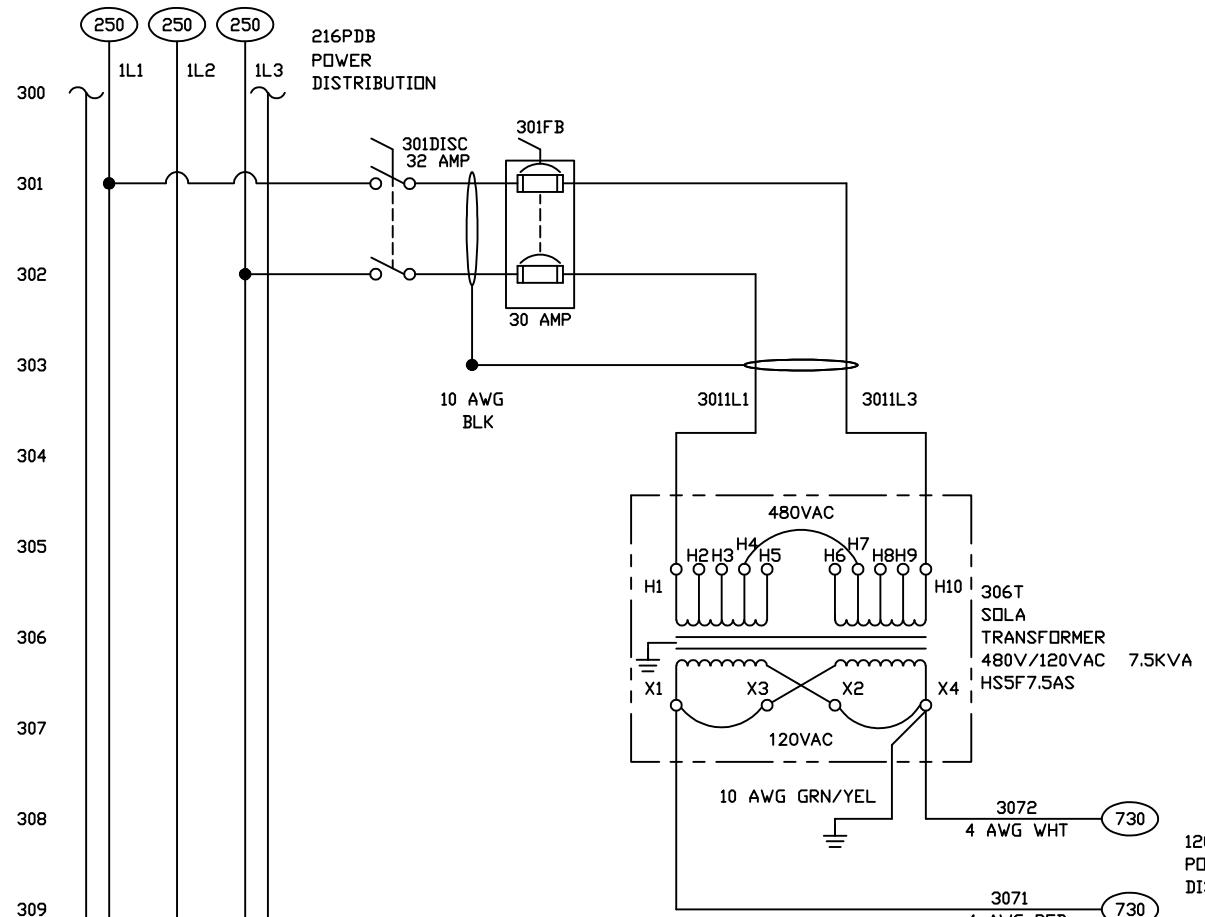
CUSTOMER: FCA
FACILITY/LOCATION: PROJECT/PACKAGE DESCRIPTION:
2470 - Stellantis WTAP SMARTinspect
TITLE: POWER DISTRIBUTION PANEL (PDP)
INTERCONNECTION DIAGRAM



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DESIGNER: DY	ENGINEER: DY
DATE: 04/2022	APPROVED: BM
SCALE: N/A	
PROJECT NUMBER: 2470	
DRAWING NUMBER: IE-2470-110	
SHEET NUMBER: 001 OF 020	





CUSTOMER:	FACILITY/LOCATION	AREA/ZONE:	LEGEND		TERMINAL LOCATED OUTSIDE THIS ENCLOSURE ◆ DEVICE OUTSIDE THIS ENCLOSURE — WIRING TO FIELD DEVICE	BY CHK.
			RELEASE	SYM.		
FCI			-	A	INITIAL RELEASE	04/22 DY BM
			-	B	PANEL BUILD UPDATE	07/22 DY BM
			-	C	MOD BUILD UPDATE	10/22 DY BM
			-	D	INSTALL UPDATE	11/22 BM BM
			-	E	FINAL AS BUILT	12/22 DY BM

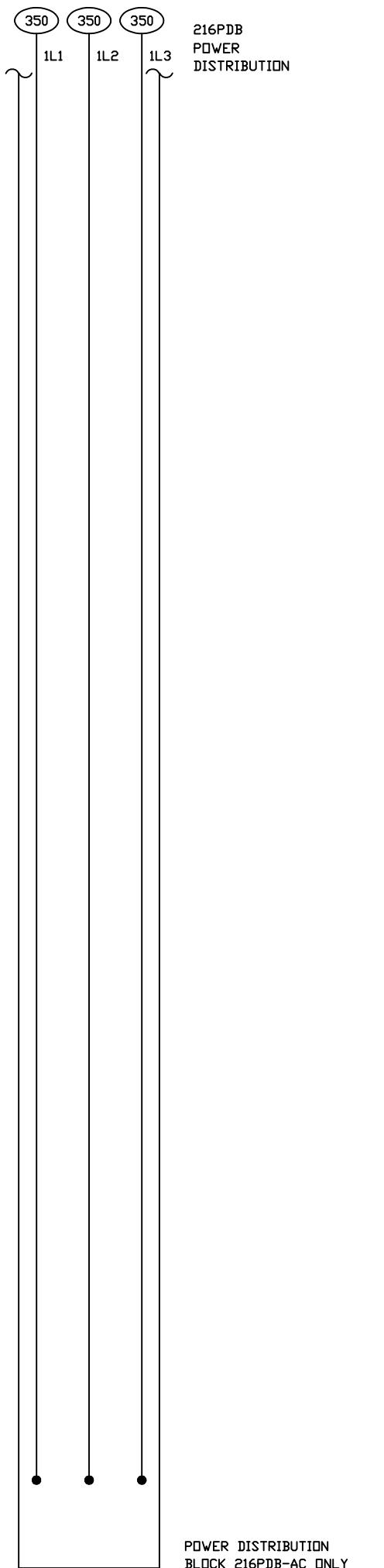
PROJECT/PACKAGE DESCRIPTION:
2470 - Stellantis WTAP SMARTInspect

TITLE:
POWER DISTRIBUTION PANEL (PDP)

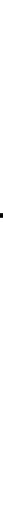
POWER DISTRIBUTION CIRCUITRY

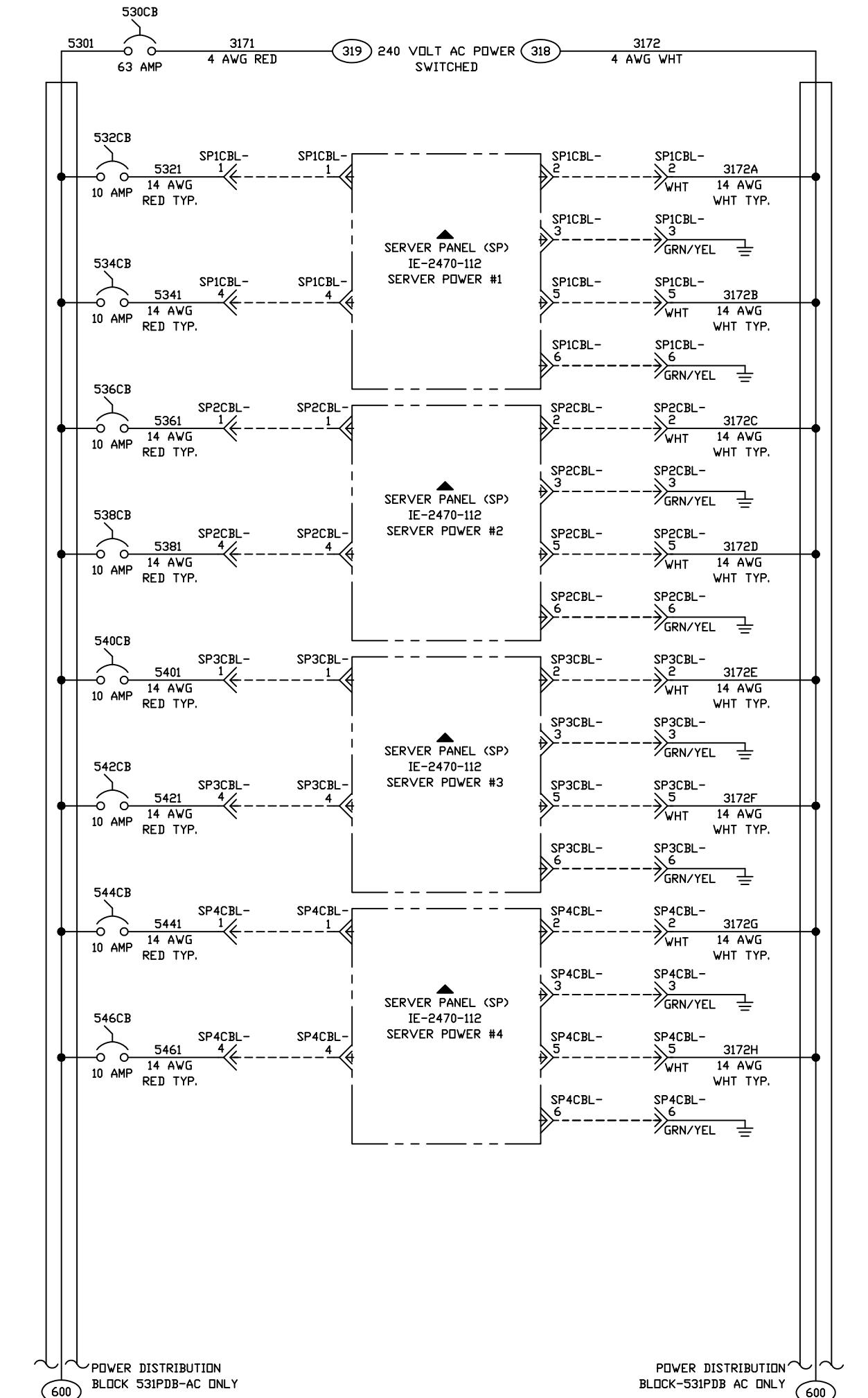
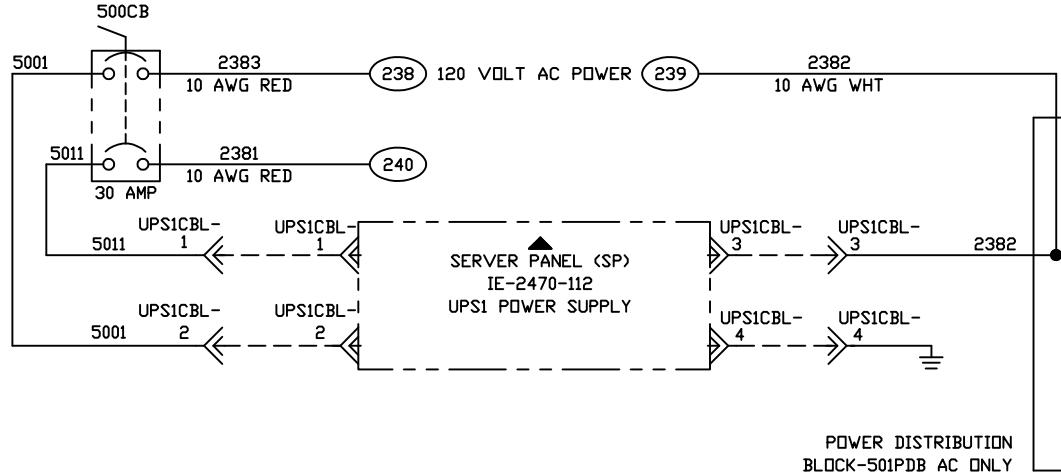
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DESIGNER: DY	ENGINEER: DY
DATE: 04/2022	APPROVED: BM
SCALE: N/A	
PROJECT NUMBER: 2470	
DRAWING NUMBER: IE-2470-110	
SHEET NUMBER: 003 DF 020	

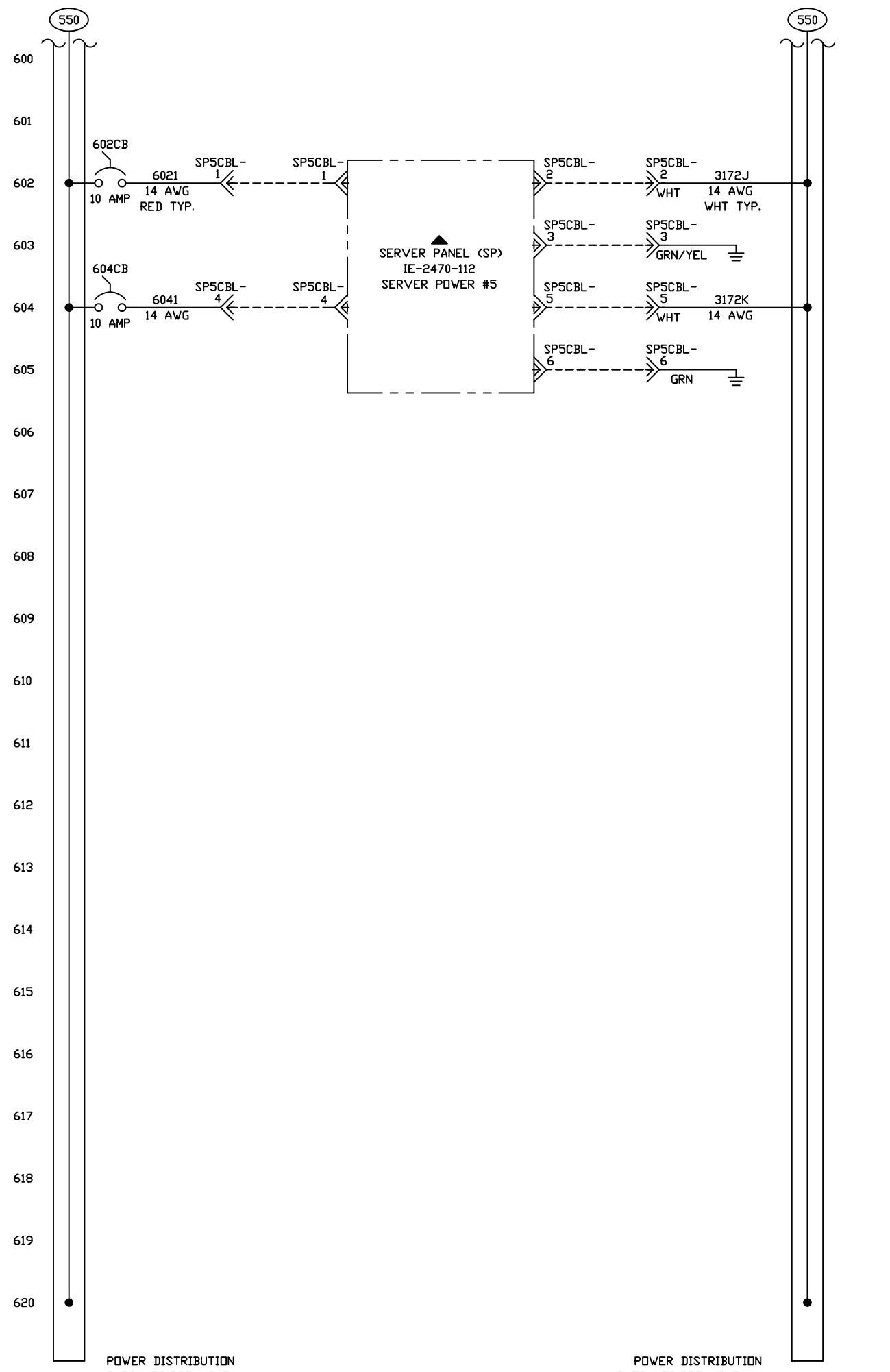


**POWER DISTRIBUTION
BLOCK 216PDB-AC ONLY**

FCA			
PROJECT/PACKAGE DESCRIPTION 2470 - Stellantis WTAP SMARTInspect			
TITLE POWER DISTRIBUTION PANEL (PDP) POWER DISTRIBUTION CIRCUITRY			
<p> WWW.INOVISION.COM</p> <p>SIGNER: DY DATE: 4/2022 BY: N/A</p> <p>ENGINEER: DY APPROVED: BM</p> <p>ROLE: OBJECT NUMBER: 2470</p> <p>SAVING NUMBER: IE-2470-110</p> <p>ITEM NUMBER: 004 OF 020</p>			
<p> TERMINAL LOCATED OUTSIDE THIS ENCLOSURE</p> <p> DEVICE OUTSIDE THIS ENCLOSURE</p> <p>— — WIRING TO FIELD DEVICE</p> <p>THIS DRAWING AND THE INFORMATION CONTAINED THEREIN IS THE EXCLUSIVE PROPERTY OF INOVISION, INC. ANY UNAUTHORIZED USE OF THIS DRAWING AND ITS CONTENTS WITHOUT THE WRITTEN CONSENT OF INOVISION, INC. WILL BE SUBJECT TO PROSECUTION.</p>			



CUSTOMER:	FACILITY/LOCATION	AREA/ZONE:	LEGEND		RELEASE SYM.	DESCRIPTION	DATE BY CHK.
			TERMINAL LOCATED OUTSIDE THIS ENCLOSURE	DEVICE OUTSIDE THIS ENCLOSURE			
PROJECT/PACKAGE DESCRIPTION: 2470 - Stellantis WTAP SMARTInspect			◎	◆	-		
TITLE: POWER DISTRIBUTION PANEL (PDP)			—	—	—	WIRING TO FIELD DEVICE	
Inovation®							
WWW.INOVISION.COM							
DESIGNER: DY	ENGINEER: DY						
DATE: 04/2022	APPROVED: BM						
SCALE: N/A							
PROJECT NUMBER: 2470							
DRAWING NUMBER: IE-2470-110							
SHEET NUMBER: 005 OF 020							

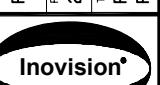


RELEASE	SYM.	DESCRIPTION	DATE	BY	CHK.
-	A	INITIAL RELEASE	04/22	DY	BM
-	B	PANEL BUILD UPDATE	07/22	DY	BM
-	C	MOD BUILD UPDATE	10/22	DY	BM
-	D	INSTALL UPDATE	11/22	BM	BM
-	E	FINAL AS BUILT	12/22	DY	BM

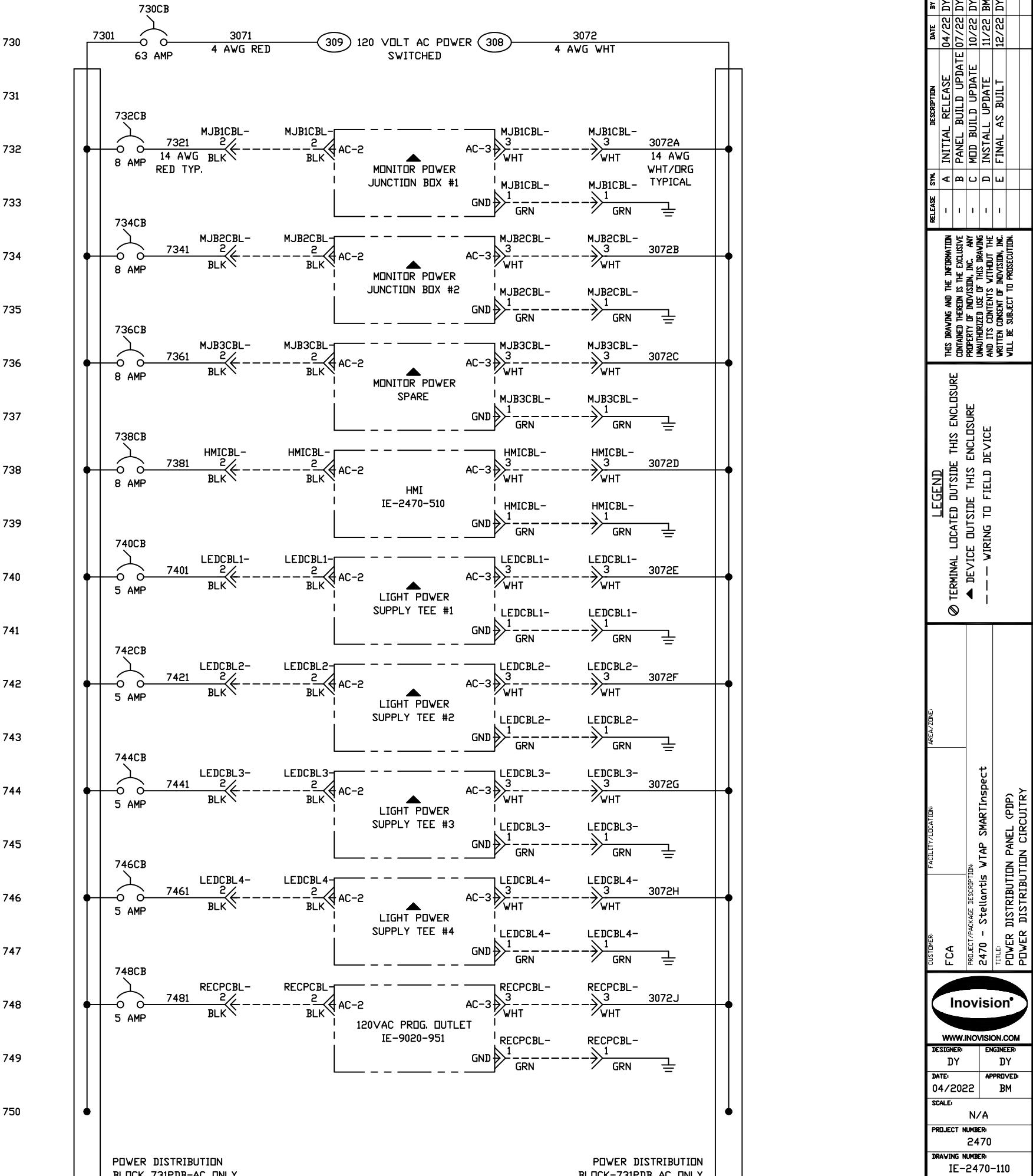
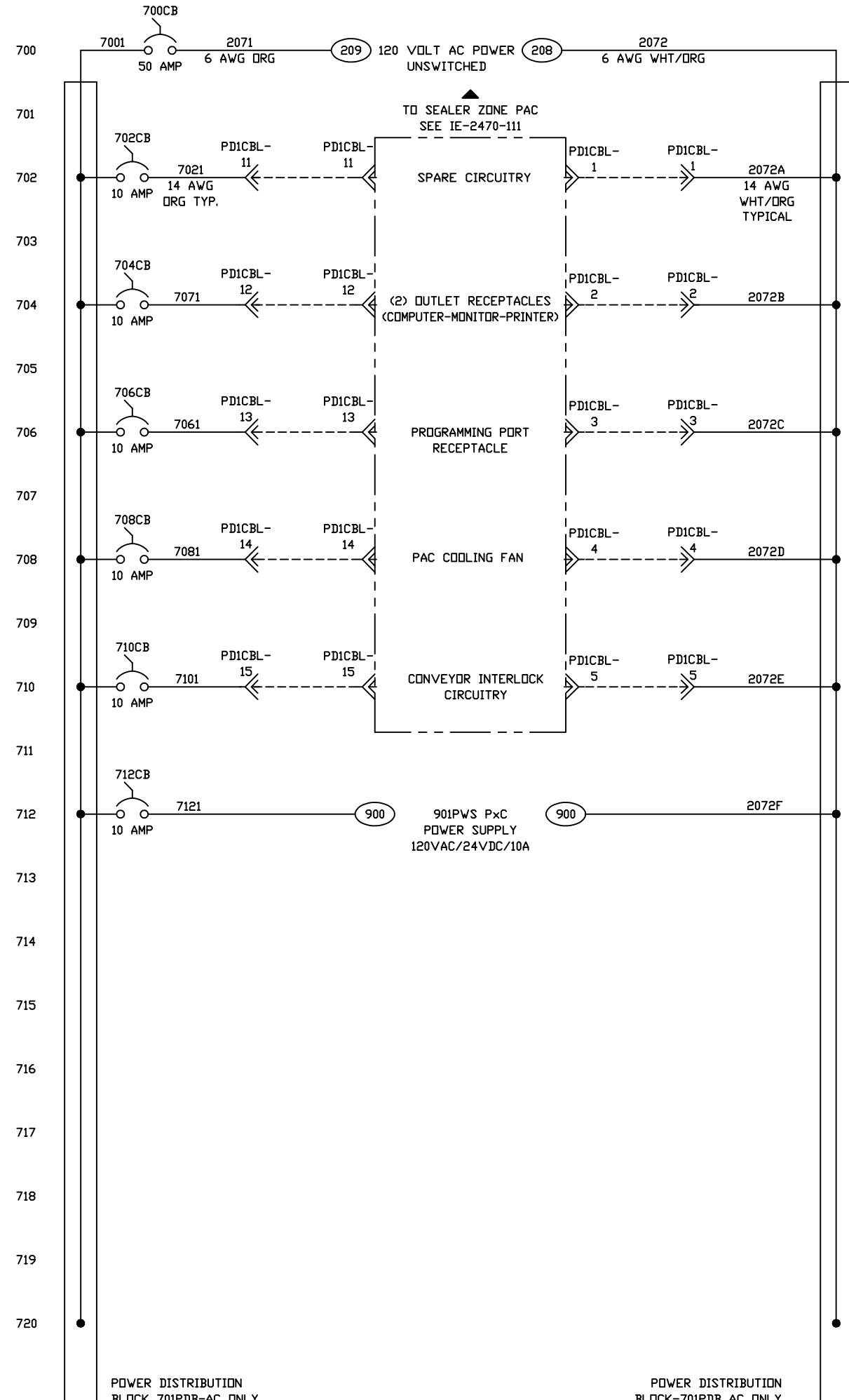
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CUSTOMER:	FCA	AREA/ZONE:	PROJECT/PACKAGE DESCRIPTION: 2470 - Stellantis WTAP SMARTinspect
DESIGNER:	DY	ENGINEER:	DY

DATE:	04/2022	APPROVED:	BM
SCALE:	N/A		
PROJECT NUMBER:	2470		
DRAWING NUMBER:	IE-2470-110		
SHEET NUMBER:	006	OF	020



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CUSTOMER:	FACILITY/LOCATION	AREA/ZONE:	LEGEND		DATE BY CHK.
			RELEASE SYM.	TERMINAL LOCATED OUTSIDE THIS ENCLOSURE	
PROJECT/PACKAGE DESCRIPTION:			▲	▼ DEVICE OUTSIDE THIS ENCLOSURE	
2470 - Stellantis WTAP SMARTInspect			—	— WIRING TO FIELD DEVICE	
TITLE:					
POWER DISTRIBUTION PANEL (PDP)					
POWER DISTRIBUTION CIRCUITRY					

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DESIGNER: DY	ENGINEER: DY
DATE: 04/2022	APPROVED: BM
SCALE: N/A	
PROJECT NUMBER: 2470	
DRAWING NUMBER: IE-2470-110	
SHEET NUMBER: 007 OF 020	

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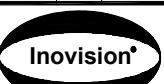
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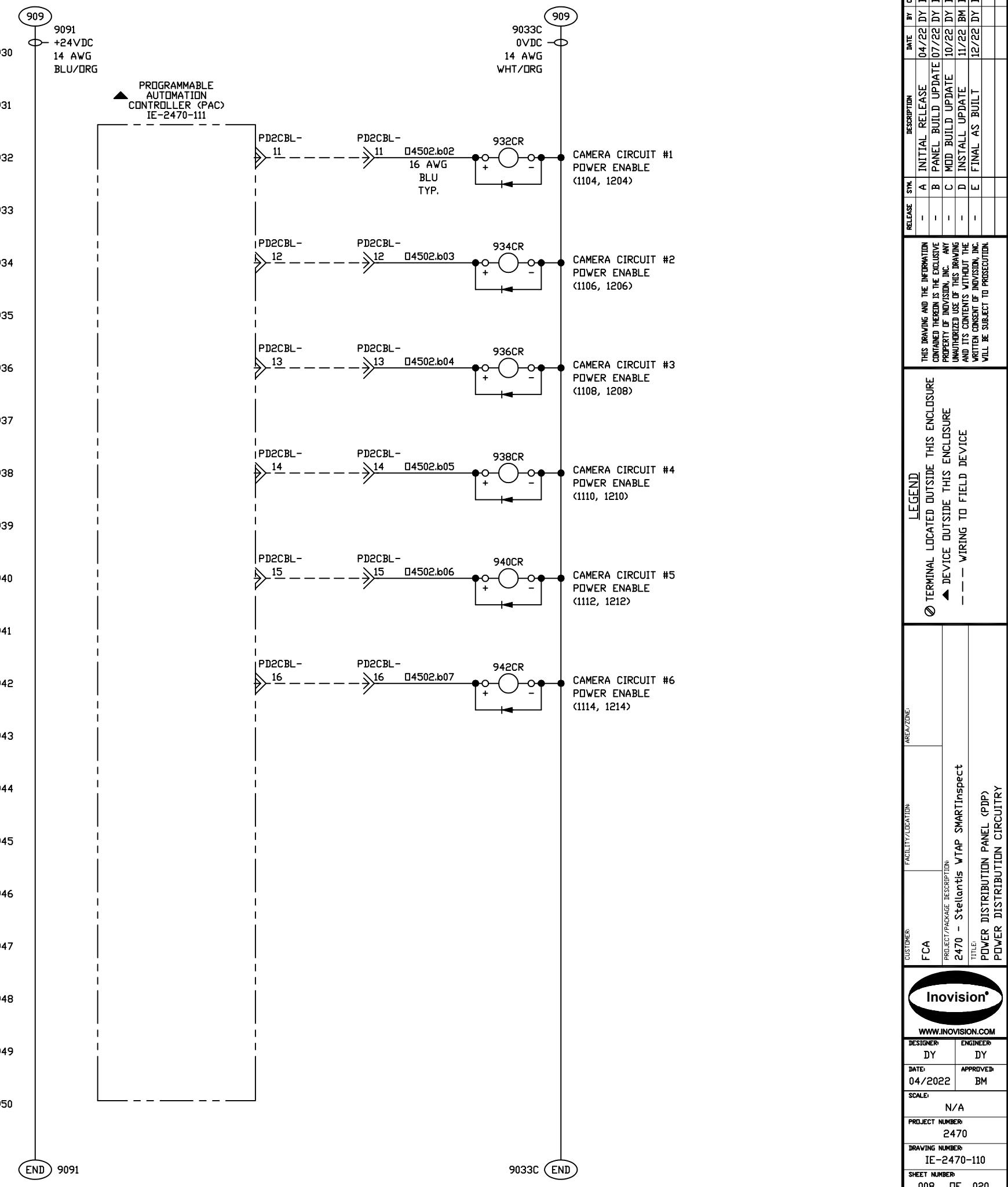
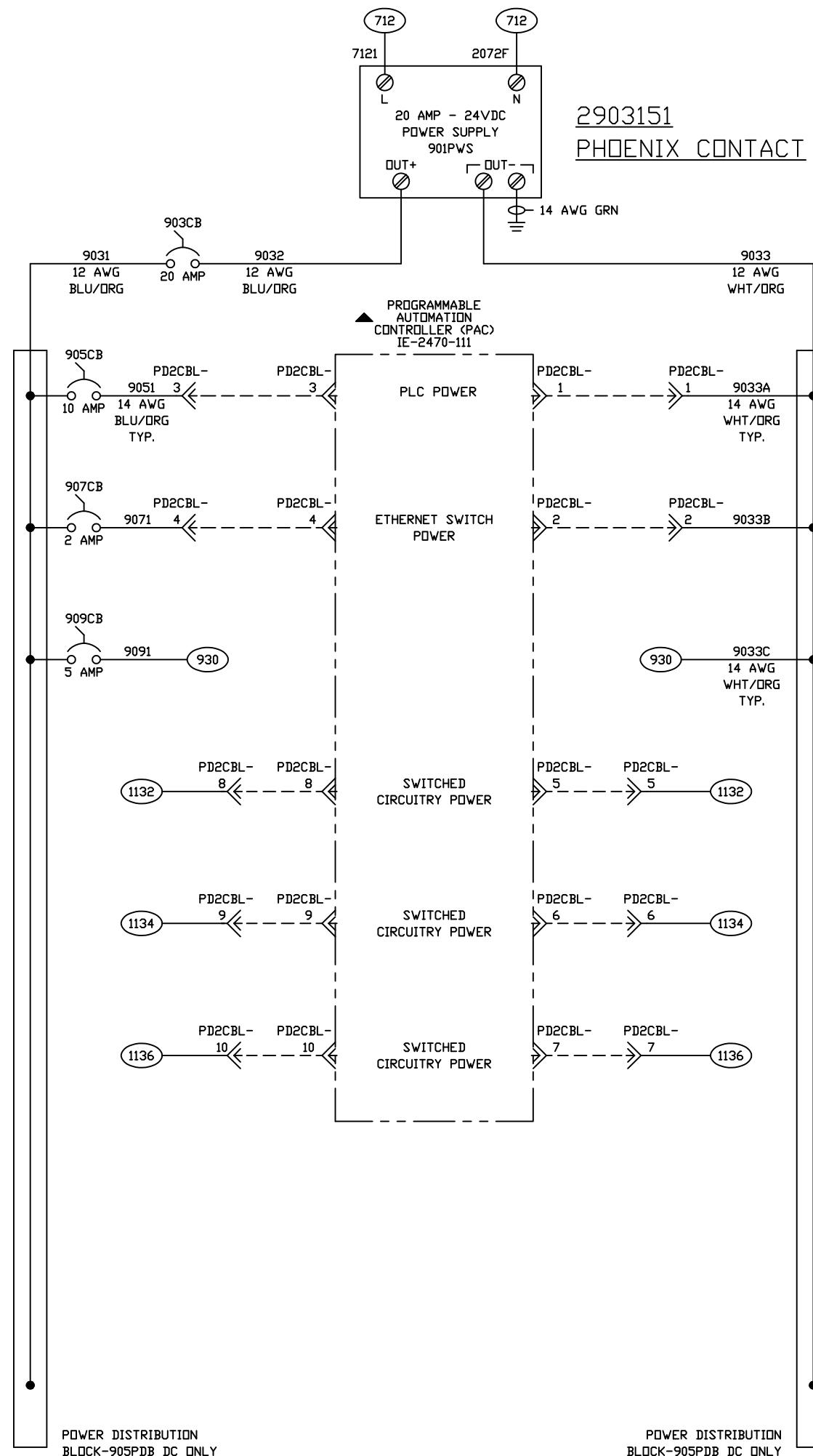
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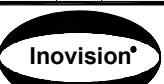
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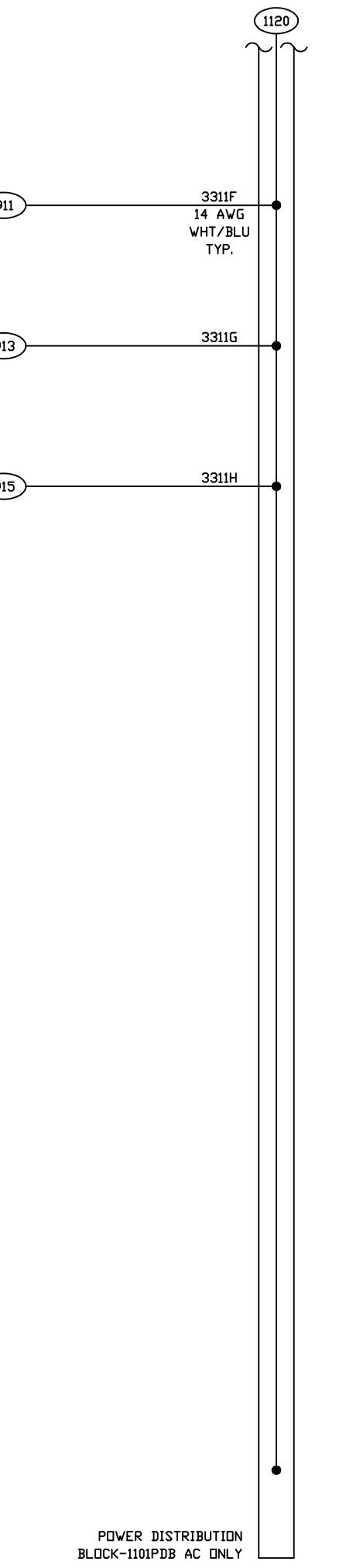
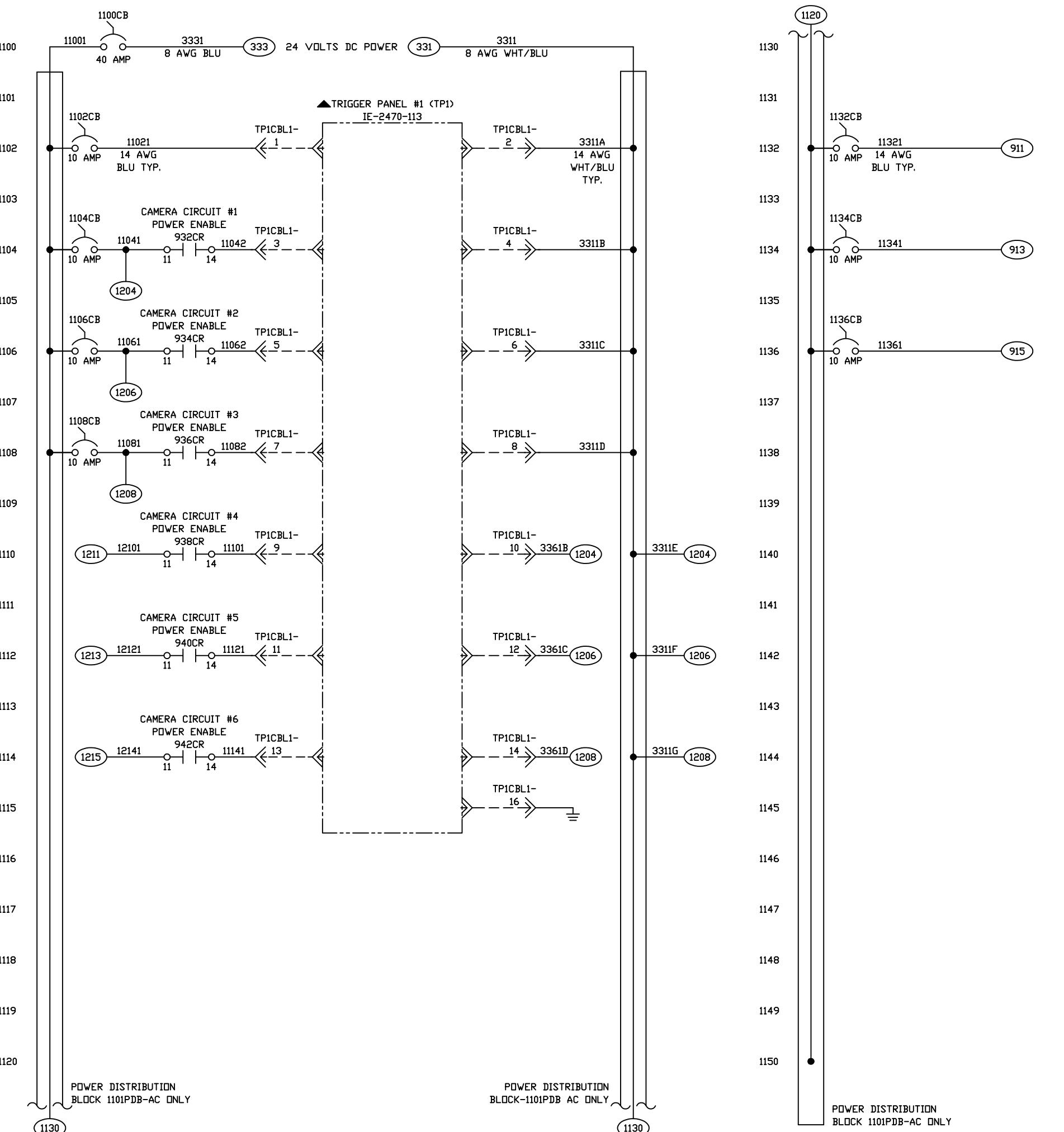
CUSTOMER: FCA	FACILITY/LOCATION	AREA/ZONE:	PROJECT/PACKAGE DESCRIPTION: 2470 - Stellantis WTAP SMARTinspect	LEGEND: ① TERMINAL LOCATED OUTSIDE THIS ENCLOSURE ◀ DEVICE OUTSIDE THIS ENCLOSURE — — WIRING TO FIELD DEVICE	RELEASE SYM.	DESCRIPTION	DATE BY CHK.
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DESIGNER: DY	ENGINEER: DY						
DATE: 04/2022	APPROVED: BM						
SCALE: N/A							
PROJECT NUMBER: IE-2470-110							
SHEET NUMBER: 008 DF 020							



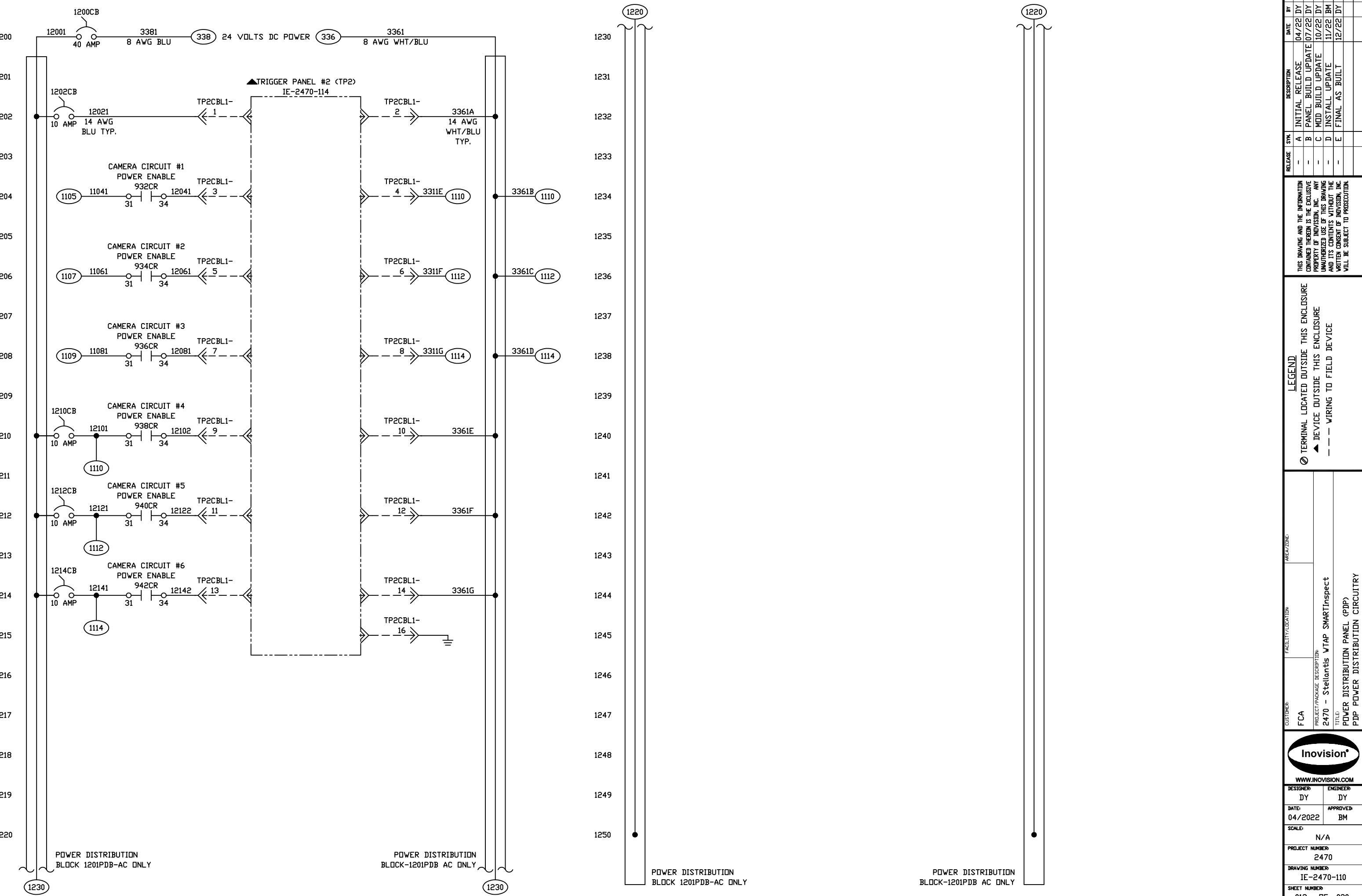
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1010	SPARE SHEET	1040
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SPARE SHEET

CUSTOMER: FCA	FACILITY/LOCATION PROJECT/PACKAGE DESCRIPTION: 2470 - Stellantis WTAP SMARTinspect	AREA/ZONE: TITLE: POWER DISTRIBUTION PANEL (PDP)	RELEASE SYM. A INITIAL RELEASE - B PANEL BUILD UPDATE - C MOD BUILD UPDATE - D INSTALL UPDATE - E FINAL AS BUILT 12/22 DY BM	DESCRIPTION THIS DRAWING AND THE INFORMATION CONTAINED THEREIN IS THE EXCLUSIVE PROPERTY OF INOVISION, INC. ANY UNAUTHORIZED USE OF THIS DRAWING AND ITS CONTENTS WITHOUT THE WRITTEN CONSENT OF INOVISION, INC. WILL BE SUBJECT TO PROSECUTION.												
				DATE BY CHK. 04/22 DY BM 07/22 DY BM 10/22 DY BM 11/22 BM BM 12/22 DY BM												
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DESIGNER: DY	ENGINEER: DY															
DATE: 04/2022	APPROVED: BM															
SCALE: N/A																
PROJECT NUMBER: 2470																
DRAWING NUMBER: IE-2470-110																
SHEET NUMBER: 010 OF 020																



CO. ID/REV.	1 FACILITY CLASSIFICATION	REVISION
FCA		
PROJECT/PACKAGE DESCRIPTION:		
2470 - Stellantis VTAP SMARTInspect		
TITLE: POWER DISTRIBUTION PANEL (PDP) PDP POWER DISTRIBUTION CIRCUITRY		
<u>LEGEND</u>		
∅	TERMINAL LOCATED OUTSIDE THIS ENCLOSURE	
◀	DEVICE OUTSIDE THIS ENCLOSURE	
— —	WIRING TO FIELD DEVICE	
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DESIGNER:	ENGINEER:	
DY	DY	
DATE:	APPROVED:	
04/2022	BM	
SCALE:	N/A	
PROJECT NUMBER: 2470		
DRAWING NUMBER: IE-2470-110		
SHEET NUMBER: 011 OF 020		

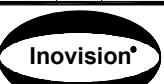


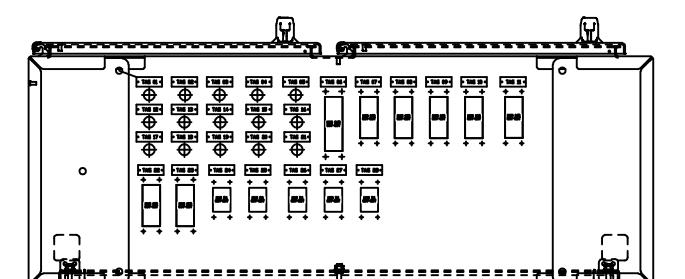
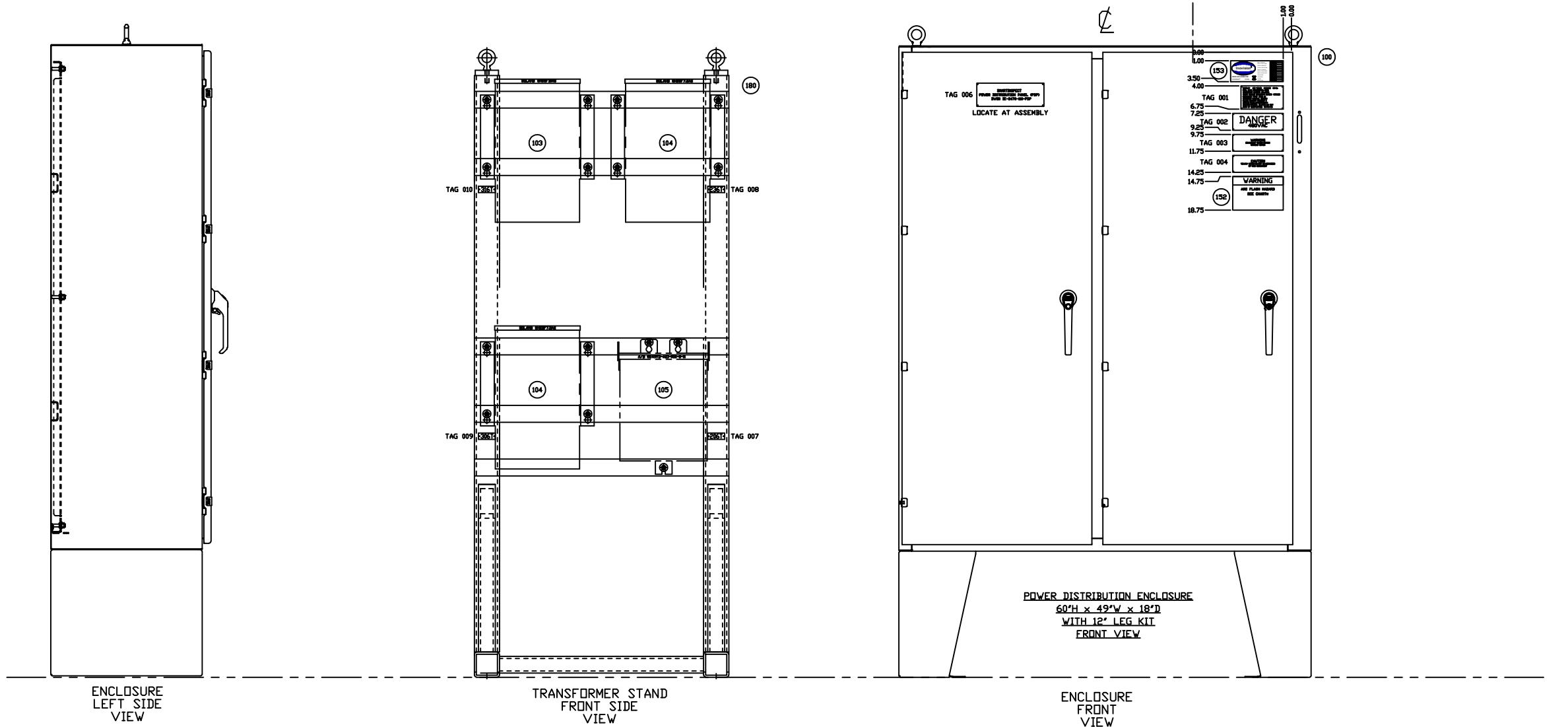
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CUSTOMER:	FCA		AREA/ZONE:	PROJECT/PACKAGE DESCRIPTION: 2470 - Stellantis WTAP SMARTinspect	LEGEND ① TERMINAL LOCATED OUTSIDE THIS ENCLOSURE ◀ DEVICE OUTSIDE THIS ENCLOSURE — — WIRING TO FIELD DEVICE	RELEASE SYM.	DESCRIPTION	DATE BY CHK.
	FCA							
Inovision [®] WWW.INOVISION.COM					- A INITIAL RELEASE	04/22 DY BM		
					- B PANEL BUILD UPDATE	07/22 DY BM		
					- C MOD BUILD UPDATE	10/22 DY BM		
					- D INSTALL UPDATE	11/22 BM BM		
					- E FINAL AS BUILT	12/22 DY BM		
DESIGNER:		ENGINEER:						
DY		DY						
DATE:		APPROVED:						
04/2022		BM						
SCALE:		N/A						
PROJECT NUMBER:		2470						
DRAWING NUMBER:		IE-2470-110						
SHEET NUMBER:		013	OF	020				

1400		1430
1401		1431
1402		1432
1403		1433
1404		1434
1405		1435
1406		1436
1407		1437
1408		1438
1409		1439
1410	SPARE SHEET	1440
1411		1441
1412		1442
1413		1443
1414		1444
1415		1445
1416		1446
1417		1447
1418		1448
1419		1449
1420		1450

SPARE SHEET

CUSTOMER: FCA	FACILITY/LOCATION PROJECT/PACKAGE DESCRIPTION: 2470 - Stellantis WTAP SMARTInspect	AREA/ZONE: TITLE: POWER DISTRIBUTION PANEL (PDP)	RELEASE SYM. A INITIAL RELEASE B PANEL BUILD UPDATE C MOD BUILD UPDATE D INSTALL UPDATE E FINAL AS BUILT	DESCRIPTION	DATE BY CHK.												
				THIS DRAWING AND THE INFORMATION CONTAINED THEREIN IS THE EXCLUSIVE PROPERTY OF INOVISION, INC. ANY UNAUTHORIZED USE OF THIS DRAWING AND ITS CONTENTS WITHOUT THE WRITTEN CONSENT OF INOVISION, INC. WILL BE SUBJECT TO PROSECUTION.	04/22 DY BM 07/22 DY BM 10/22 DY BM 11/22 BM BM 12/22 DY BM												
 <p>Inovision® WWW.INOVISION.COM</p> <table border="1"> <tbody> <tr><td>DESIGNER: DY</td><td>ENGINEER: DY</td></tr> <tr><td>DATE: 04/2022</td><td>APPROVED: BM</td></tr> <tr><td>SCALE: N/A</td><td></td></tr> <tr><td>PROJECT NUMBER: 2470</td><td></td></tr> <tr><td>DRAWING NUMBER: IE-2470-110</td><td></td></tr> <tr><td>SHEET NUMBER: 014 OF 020</td><td></td></tr> </tbody> </table>						DESIGNER: DY	ENGINEER: DY	DATE: 04/2022	APPROVED: BM	SCALE: N/A		PROJECT NUMBER: 2470		DRAWING NUMBER: IE-2470-110		SHEET NUMBER: 014 OF 020	
DESIGNER: DY	ENGINEER: DY																
DATE: 04/2022	APPROVED: BM																
SCALE: N/A																	
PROJECT NUMBER: 2470																	
DRAWING NUMBER: IE-2470-110																	
SHEET NUMBER: 014 OF 020																	

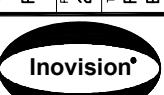


ENCLOSURE
BOTTOM
VIEW

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LEGEND
◎ TERMINAL LOCATED OUTSIDE THIS ENCLOSURE
◀ DEVICE OUTSIDE THIS ENCLOSURE
— WIRING TO FIELD DEVICE

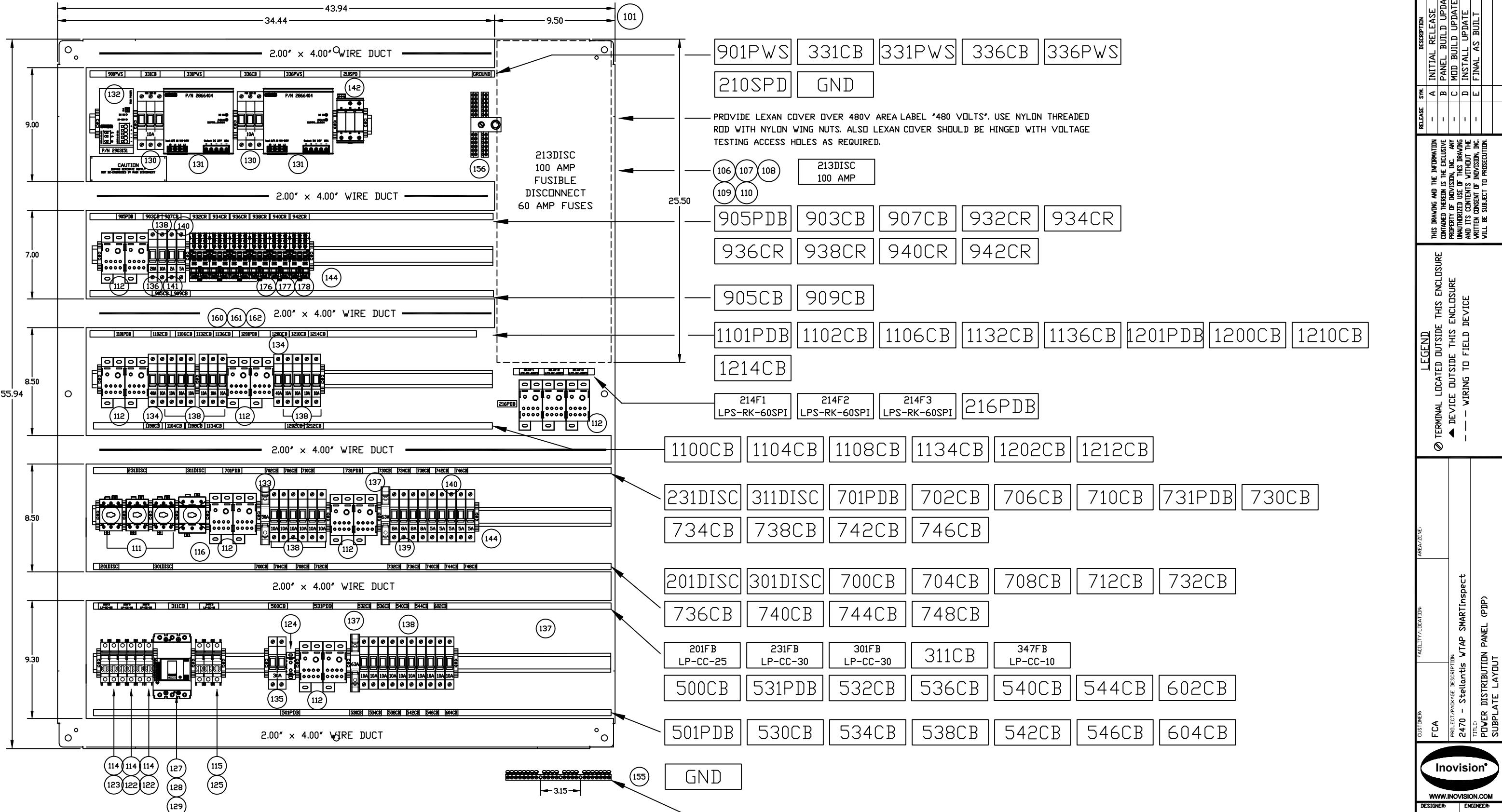
CUSTOMER:	FCA	FACILITY/LOCATION	AREA/ZONE
PROJECT/PACKAGE DESCRIPTION:	2470 - Stellantis WTAP SMARTInspect		
TITLE:	POWER DISTRIBUTION PANEL (PDP)		
EXTERIOR OVERVIEW			



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DESIGNER:	ENGINEER:
DY	DY
DATE:	APPROVED:
04/2022	BM
SCALE:	N/A
PROJECT NUMBER:	2470
DRAWING NUMBER:	IE-2470-110
SHEET NUMBER:	015 OF 020

- NOTES:
- PAINT INTERIOR/EXTERIOR OF ENCLOSURE: ANSI-61 GRAY POWDER COATING
PAINT SURFACE: GLOSS WHITE ENAMEL
 - ENCLOSURE TO BE NEMA 12 COMPLIANT & EQUIVALENT.
 - GROUND STUD REQUIRED ON DOOR OF ENCLOSURE, GROUND DOOR TO TERMINAL, GROUND BAR OR PANEL MOUNTING STUD AS REQUIRED WITH #14 AWG GREEN WIRE.
 - LOCATE EXTRA PINS ONTO MATING CABLE TO PREVENT CROSS CONNECTIONS.
 - FOR BILL OF MATERIAL, SEE SHEET 020.



POWER DISTRIBUTION SUBPLATE

55.94" H x 43.94" W

FULL SCALE

- END ANCHORS ARE REQUIRED FOR
ALL DIN DEVICES THAT CAN SLIDE.
TERMINAL TIGHTENING TORQUE:
8-16lb.in OR .9-1.8n.m
FOR BILL OF MATERIAL, SEE SHEET 020.

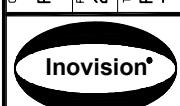
GROUND BAR LOCATED ON THE END OF ENCLOSURE

PDP TAGS					
TAG	LINE	DESCRITPN	TAG / TEXT COLOR	TAG DIMENSION	TEXT SIZE
17-001	LINE #1	SUPPLY: 480 VOLTS 3 PHASE 60HZ	WHT / BLK	2.75" X 5.00"	0.125"
	LINE #2	FULL LOAD CURRENT: 57 AMPS			
	LINE #3	DISCONNECT RATING: 100 AMPS			
	LINE #4	SHORT CIRCUIT INTERRUPT RATING: 100KAIC			
	LINE #5	ENCLOSURE TYPE: NEMA 12			
	LINE #6	CUSTOMER: STELLANTIS			
	LINE #7	PLANT: WTAP			
	LINE #8	SYSTEM DESC: INSPECTION ZONE			
	LINE #9	DRAWING NUMBER: IE-2470-110 PDP			
	LINE #10	DATE OF MANUFACTURE: 07/2022			
17-002	LINE #1	DANGER	RED / WHT	2.00" X 6.00"	0.75"
	LINE #2	480VAC			0.375"
17-003	LINE #1	WARNING	RED / WHT	2.00" X 6.00"	0.25"
	LINE #2	DISCONNECT POWER BEFORE			0.125"
	LINE #3	WORKING WITHIN			0.125"
17-004	LINE #1	CAUTION	YEL / BLK	2.00" X 6.00"	0.25"
	LINE #2	ORANGE WIRING IS NOT DE-ENERGIZED			0.125"
	LINE #3	BY MAIN DISCONNECT			0.125"
17-005	LINE #1	CAUTION	YEL / BLK	2.00" X 6.00"	0.25"
	LINE #2	480VAC SEPARATE SUPPLY			0.125"
	LINE #3	NOT DE-ENERGIZED BY MAIN DISCONNECT			0.125"
17-006	LINE #1	SMARTInspect	WHT / BLK	2.75" X 8.00"	0.25"
	LINE #2	POWER DISTRIBUTION PANEL (PDP)			0.25"
	LINE #3	DWG# IE-2470-110 PDP			0.25"
17-007	LINE #1	206T	WHT / BLK	0.75" X 2.00"	0.25"
17-008	LINE #1	236T	WHT / BLK	0.75" X 2.00"	0.25"
17-009	LINE #1	306T	WHT / BLK	0.75" X 2.00"	0.25"
17-010	LINE #1	316T	WHT / BLK	0.75" X 2.00"	0.25"

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RELEASE SY. DESCRIPTION DATE BY CH.
 - A INITIAL RELEASE 04/22 DY BM
 - B PANEL BUILD UPDATE 07/22 DY BM
 - C MOD BUILD UPDATE 10/22 DY BM
 - D INSTALL UPDATE 11/22 BM BM
 - E FINAL AS BUILT 12/22 DY BM

CUSTOMER: FCA
 FACILITY/LOCATION
 AREA/ZONE:
 PROJECT/PACKAGE DESCRIPTION:
 2470 - Stellantis WTAP SMARTInspect
 TITLE: POWER DISTRIBUTION PANEL (PDP)
 TAG SHEET



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DESIGNER: DY	ENGINEER: DY
DATE: 04/2022	APPROVED: BM
SCALE: N/A	
PROJECT NUMBER: 2470	
DRAWING NUMBER: IE-2470-110	
SHEET NUMBER: 017 OF 020	

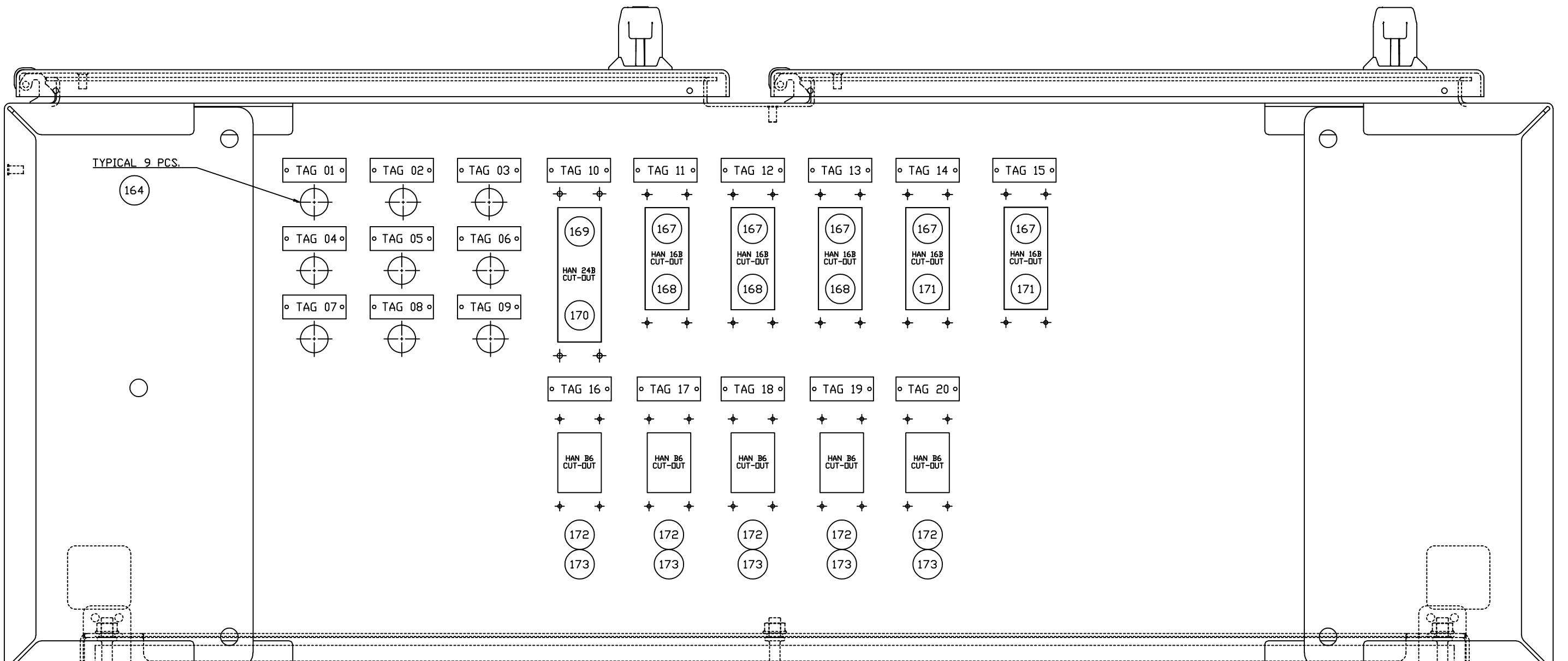
PPP RECEPΤACLE CHART

TAG NUMBER	0.75" x 2.00" TAG NAME	CONNECTOR DESCRIPTION
018-01	MJB1CBL	3 PIN 7/8" FEMALE
018-02	MJB2CBL	3 PIN 7/8" FEMALE
018-03	MJB3CBL	3 PIN 7/8" FEMALE
018-04	HMICBL	3 PIN 7/8" FEMALE
018-05	LEDCBL1	3 PIN 7/8" FEMALE
018-06	LEDCBL2	3 PIN 7/8" FEMALE
018-07	LEDCBL3	3 PIN 7/8" FEMALE
018-08	LEDCBL4	3 PIN 7/8" FEMALE
018-09	RECPCBL	3 PIN 7/8" FEMALE
018-10	PD2CBL	24 PIN FEMALE HARTING

TAG NUMBER	0.75" x 2.00" TAG NAME	CONNECTOR DESCRIPTION
018-11	TP1CBL1	16 PIN FEMALE HARTING
018-12	TP2CBL1	16 PIN FEMALE HARTING
018-13	PD1CBL	16 PIN FEMALE HARTING
018-14	UPS1CBL	4 PIN FEMALE HARTING 16B
018-15	ACCBL	4 PIN FEMALE HARTING 16B
018-16	SP1CBL	6 PIN FEMALE HARTING 6B
018-17	SP2CBL	6 PIN FEMALE HARTING 6B
018-18	SP3CBL	6 PIN FEMALE HARTING 6B
018-19	SP4CBL	6 PIN FEMALE HARTING 6B
018-20	SP5CBL	6 PIN FEMALE HARTING 6B

AND ITS CONTENTS WITHOUT THE WRITTEN CONSENT OF INVISION, INC. WILL BE SUBJECT TO PROSECUTION.

- - - - WIRING TO FIELD DEVICE



FCA			
PROJECT/PACKAGE DESCRIPTION 2470 - Stellantis WTAP SMARTInspect			
TITLE:		POWER DISTRIBUTION PANEL (PDP) BOTTOM VIEW OF ENCLOSURE	
SIGNER: DY		ENGINEER: DY	
TEI: 4/2022		APPROVED: BM	
ALE: N/A			
OBJECT NUMBER: 2470			
DRAWING NUMBER: IE-2470-110			
EET NUMBER: 018 DE 020			
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<p>- A INITIAL RELEASE 04/22 DY BM</p> <p>- B PANEL BUILD UPDATE 07/22 DY BM</p> <p>- C MOD BUILD UPDATE 10/22 DY BM</p> <p>- D INSTALL UPDATE 11/22 BM BM</p> <p>- E FINAL AS BUILT 12/22 DY BM</p>			

TP1CBL1

TRIGGER PANEL 1 (24VDC)

#14 AWG WIRE TYPICAL

PIN NUMBERS	WIRE NUMBERS	COLOR
1	11021	B
2	3311A	W/B
3	11042	B
4	3311B	W/B
5	11062	B
6	3311C	W/B
7	11082	B
8	3311D	W/B
9	11101	B
10	3361B	W/B
11	11121	B
12	3361C	W/B
13	11141	B
14	3361D	W/B
15	SPARE	B
16	GND	G/Y
TP1CBL1-GND		

TP2CBL1

TRIGGER PANEL 2 (24VDC)

#14 AWG WIRE TYPICAL

PIN NUMBERS	WIRE NUMBERS	COLOR
1	12021	B
2	3361A	W/B
3	12041	B
4	3311E	W/B
5	12061	B
6	3311F	W/B
7	12081	B
8	3311G	W/B
9	12102	B
10	3361E	W/B
11	12122	B
12	3361F	W/B
13	12142	B
14	3361G	W/B
15	SPARE	B
16	GND	G/Y
TP2CBL1-GND		

PD2CBL

PROGRAMMABLE AUTOMATION

CONTROLLER (24VDC)

#16 AWG WIRE TYPICAL

PIN NUMBERS	WIRE NUMBERS	COLOR
1	9033A	W/D
2	9033B	W/D
3	12041	B/D
4	3311E	W/B
5	12061	B
6	3311F	W/B
7	12081	B
8	3311G	W/B
9	12102	B
10	3361E	W/B
11	12122	B
12	3361F	W/B
13	12142	B
14	3361G	W/B
15	SPARE	B
16	GND	G/Y
TP2CBL1-GND		

CABLE ACCBL

SERVER PANEL (480VAC)

#12 AWG WIRE TYPICAL

PIN NUMBERS	WIRE NUMBERS	COLOR
1	3471L1	BK
2	3471L2	BK
3	9051	B/D
4	9071	B/D
5	GND	G/Y
6	5321	R
7	3172A	W
8	5341	R
9	3172B	W
10	5381	R
11	3072A	W
12	5361	R
13	7321	BK
14	7341	BK
15	3072B	W
16	3072C	W

SP1CBL

SERVER PANEL

(240VAC)

#14 AWG WIRE TYPICAL

PIN NUMBERS	WIRE NUMBERS	COLOR
1	5321	R
2	3172A	W
3	GND	G/Y
4	5341	R
5	3172D	W
6	GND	G/Y

SP2CBL

SERVER PANEL

(240VAC)

#14 AWG WIRE TYPICAL

PIN NUMBERS	WIRE NUMBERS	COLOR
1	5361	R
2	7321	BK
3	7341	BK
4	3072A	W

MJB1CBL

MONITOR J-BOX (120VAC)

#14 AWG WIRE TYPICAL

PIN NUMBERS	WIRE NUMBERS	COLOR
1	GND	G
2	7321	BK
3	3072A	W

MJB2CBL

MONITOR J-BOX (120VAC)

#14 AWG WIRE TYPICAL

PIN NUMBERS	WIRE NUMBERS	COLOR
1	GND	G
2	7341	BK
3	3072B	W

MJB3CBL

MONITOR J-BOX (120VAC)

#14 AWG WIRE TYPICAL

PIN NUMBERS	WIRE NUMBERS	COLOR
1	GND	G
2	7361	BK
3	3072C	W

PD1CBL

PROGRAMMABLE AUTOMATION

CONTROLLER (120VAC)

#14 AWG WIRE TYPICAL

PIN NUMBERS	WIRE NUMBERS	COLOR
1	2072A	W/D
2	2072B	W/D
3	2072C	W/D
4	2072D	W/D
5	2072E	W/D
6	SPARE	W/D
7	SPARE	W/D
8	SPARE	W/D
9	SPARE	D
10	SPARE	D
11	7021	D
12	7041	D
13	7061	D
14	7081	D
15	7101	D
16	SPARE	D
PD2CBL-GND		

PD2CBL

PROGRAMMABLE AUTOMATION

CONTROLLER (24VDC)

#14 AWG WIRE TYPICAL

PIN NUMBERS	WIRE NUMBERS	COLOR
1	A	INITIAL RELEASE
2	B	PANEL BUILD UPDATE
3	C	MOD BUILD UPDATE
4	D	INSTALL UPDATE
5	E	FINAL AS BUILT

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LEGEND
 ☺ TERMINAL LOCATED OUTSIDE THIS ENCLOSURE
 ◀ DEVICE OUTSIDE THIS ENCLOSURE
 - - - WIRING TO FIELD DEVICE

ALL RECEPTACLE GROUNDS
USE GREEN WIRE

WIRE COLORS

BK	BLACK
R	RED
□	ORANGE
W	WHITE
W/D	WHITE/ORANGE
B	BLUE
B/D	BLUE/ORANGE
W/B	WHITE/BLUE
G	GREEN
G/Y	GREEN/YELLOW

INOVISION JOB #IE-2470-110 PDP							
ITEM	SHEET	QTY.	MANUFACTURER	DESCRIPTION	MFG. PART NUMBER	SP	SB
100	015	1	SCE	NEMA 12 ENCLOSURE 60"H X 49"W X 18"D	SCE-60XEL4918LP	N	P
101	016	1	SCE	SUBPLATE	SCE-60P48	N	P
102							
103	015	1	SOLA	TRANSFORMER 10KVA 480/240/120VAC	HS5F10AS	Y	P
104	015	2	SOLA	TRANSFORMER 7.5KVA 480/240/120VAC	HS5F7.5AS	Y	P
105	015	1	ALLEN-BRADLEY	TRANSFORMER 5KVA 480/120VAC	1497D-A15-M10-0-N	Y	P
106	016	1	ALLEN-BRADLEY	DISCONNECT 100 AMP	1494U-R100-CR-M-PC	N	P
107	016	1	ALLEN-BRADLEY	DISCONNECT PROTECTIVE COVER	1494U-PC1	N	P
108	016	3	BUSSMANN	60 AMP FUSE - 600 VOLT	LPS-RK-60SPI	Y	P
109	016	1	ALLEN-BRADLEY	GROUND LUG KIT	599-GR1	N	P
110	016	1	ALLEN-BRADLEY	60 AMP FUSE CLIP KIT	1494U-FC60R	N	P
111	016	4	ALLEN-BRADLEY	DISCONNECT SWITCH (32 AMP)	194E-A32-1753-6N	N	P
112	016	15	MERSEN	POWER DISTRIBUTION BLOCK	FSPDB3A	N	P
113	016	7	MERSEN	PDB EMPTY PORT PLUG	FSCAP2	N	P
114	016	3	ALLEN-BRADLEY	2 POLE COMPACT CIRCUIT PROTECTOR	1492-FB2C30	N	P
115	016	1	ALLEN-BRADLEY	3 POLE COMPACT CIRCUIT PROTECTOR	1492-FB3C30	N	P
116	016	1	ALLEN-BRADLEY	DISCONNECT SWITCH (63 AMP)	194E-A63-1753-6N	N	P
117							
118							
119							
120	-	-	-	-	-	-	-
121	-	-	-	-	-	-	-
122	016	4	BUSSMANN	30 AMP FUSE 600 VOLT	LP-CC-30	Y	P
123	016	2	BUSSMANN	25 AMP FUSE 600 VOLT	LP-CC-25	Y	P
124	016	1	BUSSMANN	POWER DISTRIBUTION BLOCK	PDBFS204	N	P
125	016	3	BUSSMANN	10 AMP FUSE 600 VOLT	LP-CC-10	Y	P
126	-	-	-	-	-	-	-
127	016	1	ALLEN-BRADLEY	FRAME G, TERMINAL COVER, 3 POLE	140G-G-TC3H	N	P
128	016	1	ALLEN-BRADLEY	3 POLE CIRCUIT BREAKER 30 AMP	140G-G2C3-C50	Y	P
129	016	1	ALLEN-BRADLEY	DIN RAIL ADAPTER FOR 140G SERIES BREAKER	140G-G-DRA	N	P
130	016	2	PHOENIX CONTACT	3 POLE CIRCUIT BREAKER 10 AMP	2907615	Y	P
131	016	2	PHOENIX CONTACT	3PH 480VAC/24VDC 40 AMP POWER SUPPLY	2866404	Y	P
132	016	1	PHOENIX CONTACT	POWER SUPPLY 120VAC/24VDC 20A	2903151	Y	P
133	016	1	PHOENIX CONTACT	1 POLE CIRCUIT BREAKER 50 AMP	2907579	Y	P
134	016	2	PHOENIX CONTACT	1 POLE CIRCUIT BREAKER 40 AMP	2907578	Y	P
135	016	1	PHOENIX CONTACT	2 POLE CIRCUIT BREAKER 30 AMP	2907599	Y	P
136	016	1	PHOENIX CONTACT	1 POLE CIRCUIT BREAKER 20 AMP	2907573	Y	P
137	016	2	PHOENIX CONTACT	1 POLE CIRCUIT BREAKER 63 AMP	2907581	Y	P
138	016	28	PHOENIX CONTACT	1 POLE CIRCUIT BREAKER 10 AMP	2907566	Y	P
139	016	4	PHOENIX CONTACT	1 POLE CIRCUIT BREAKER 8 AMP	2907565	Y	P
140	016	6	PHOENIX CONTACT	1 POLE CIRCUIT BREAKER 5 AMP	2907562	Y	P
141	016	1	PHOENIX CONTACT	1 POLE CIRCUIT BREAKER 2 AMP	2907559	Y	P
142	016	1	PHOENIX CONTACT	TYPE 1 SURGE PROTECTION DEVICE (DELTA) 480VAC	2910386	N	P
143	016	5	PHOENIX CONTACT	35MM DIN RAIL, NS/7.5 PERF	0801733	N	P
144	016	28	PHOENIX CONTACT	TERMINAL END CLAMP	0800886	N	P
145							
146	-	-	-	-	-	-	-
147	015/016	6	CUSTOM TAG	LAMACOID TAG .75" X 2.00" WHT/BLK	P75X200H/AB	N	P
148	015	1	CUSTOM TAG	LAMACOID TAG 2.75" X 8.00" WHT/BLK	P275X800H/AB	N	P
149	015	1	PHOTO TEC	VOLTAGE PANEL IDENTIFICATION TAG	CUSTOM	N	P
150	015	2	CUSTOM TAG	SOLVENT RESISTANT TAG 2.00" X 6.00" RED/WHT	P200X600H/AB	N	P
151	015	2	CUSTOM TAG	SOLVENT RESISTANT TAG 2.00" X 6.00" YEL/BLK	P200X600H/AB	N	P
152	015	1	BRADY-INOVISION	CUSTOM ARC FLASH TAG	B30-25-595-ANSIWA	N	I
153	015	1	INOVISION	INOVISION TAG	IE-1000-100-001	N	I
154	015	4	BRADY	WARNING TAG-HOT SURFACE	83916	N	P
155	016	1	SCHNEIDER ELECTRIC	GROUND BAR KIT, 23 TERMINALS	PK23GTAL	N	P
156	016	1	ILSCO	GROUND/NEUTRAL BAR	CAN300	N	P
157	016	9	PHOENIX CONTACT	ENGRAVING SIT TAG TRACK	RS6	N	P
158	016	78	CUSTOM TAG	ENGRAVING SIT TAG (LAMACOID) 1.50" WIDE	P50X150X031	N	P
159	-	-	-	-	-	-	-
160	016	6	THOMAS & BETTS	WIRING DUCT 2.00" X 4.00" X 6FT.	TY2X4RPG6	N	P
161	016	6	THOMAS & BETTS	DUCT COVER 2.00" X 6 FT.	TY2CPG6	N	P
162	016	3	THOMAS & BETTS	DUCT DIVIDER 6FT.	9900D	N	P
163	-	-	-	-	-	-	-
164	015	9	LUMBERG	7/8" MINI RECEPTACLE, 3 PIN FEMALE	RKF30-638/3M	N	P
165	-	-	-	-	-	-	-
166	-	-	-	-	-	-	-
167	018	5	HARTING	16 PIN HAN16B BULKHEAD HOUSING	09 30 016 0301	N	P
168	018	3	HARTING	16 PIN HAN16E FEMALE INSERT	09 33 016 2701	N	P
169	018	1	HARTING	24 PIN HAN24B BULKHEAD HOUSING	09 30 024 0301	N	P
170	018	1	HARTING	24 PIN HAN24E FEMALE INSERT	09 33 024 2701	N	P
171	018	2	HARTING	FEMALE HAN K 4/0, FEMALE INSERT	09 38 006 2711	N	P
172	018	5	HARTING	6 PIN HAN6E BULKHEAD HOUSING	09 30 006 0301	N	P
173	018	5	HARTING	6 PIN HAN6E FEMALE INSERT	09 33 006 2701	N	P
174	-	-	-	-	-	-	-
175	-	-	-	-	-	-	-
176	016	6	ALLEN-BRADLEY	CONTROL RELAY 24VDC COIL DPDT	700-HB32Z24	Y	P
177	016	6	ALLEN-BRADLEY	CONTROL RELAY BASE	700-HN153	Y	P
178	016	6	ALLEN-BRADLEY	RETAINER CLIP FOR CONTROL RELAY	700-HN158	N	P
179	-	-	-	-	-	-	-
180	015	1	INOVISION	TRANSFORMER STAND	IO-2469-953	N	I

CUSTOMER:	FCA	Facility/Location	AREA/ZONE:	RELEASE DATE:	04/22/2022	BY:	CHK.
PROJECT/PACKAGE DESCRIPTION:	TERMINAL LOCATED OUTSIDE THIS ENCLOSURE			A	INITIAL RELEASE	04/22/2022	BY BM
◆ DEVICE OUTSIDE THIS ENCLOSURE			B	PANEL BUILD UPDATE	07/22/2022	BY BM	
— WIRING TO FIELD DEVICE			C	MOD. BUILD UPDATE	10/22/2022	BY BM	
			D	INSTALL. UPDATE	11/22/2022	BY BM	
			E	FINAL AS BUILT	12/22/2022	BY BM	
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2470 - Stellantis WTAP SMARTinspect							
TITLE: POWER DISTRIBUTION PANEL (PDP)							
BILL OF MATERIAL							
Inovision®							
www.inovision.com							
DESIGNER:	ENGINEER:	DATE:	APPROVED:				
DY	DY	04/2022	BM				
SCALE:	N/A						
PROJECT NUMBER:	2470						
DRAWING NUMBER:	IE-2470-110						
Sheet Number:	020 DF 020						

- NOTES:
- FOR COMPLETE ASSEMBLY ORDER IE-9030-110. THIS WILL PROVIDE DETAILS 100 THRU 180.
 - PURCHASED PARTS MAY BE SUBSTITUTED WITH EQUIVALENT PARTS UPON RECEIVING APPROVAL.
 - SP = REQUIRED SPARE PARTS
Y = YES
N = NO
 - SB = INDICATES SUPPLY BY:
I = INOVISION
P = PANEL BUILDER
O = OTHERS
 - ALL SHEET METAL DETAILS TO BE SUPPLIED EQUIVALENT TO HOFFMAN ENGINEERING CO.
- EQUIPMENT SPECIFICATIONS & PARTS.