

Robot Palletising Cell:

- Mechanical General Arrangement Drawings
- Electrical Drawings

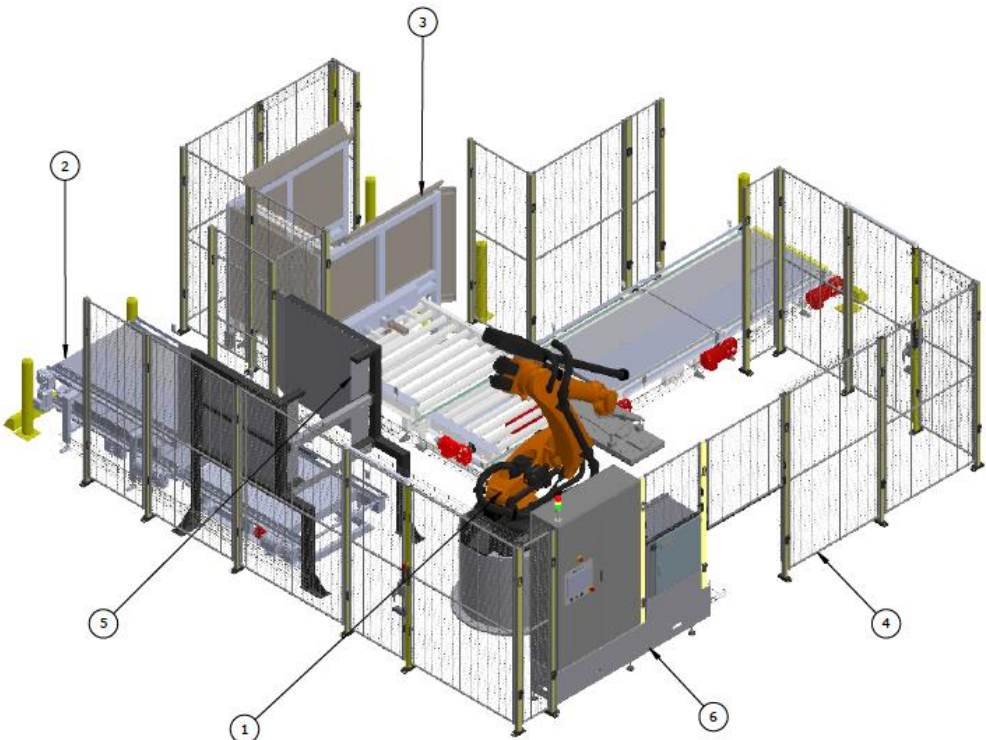


GA Drawings

GA Drawings

Main Assembly

ITEM NO.	PART NUMBER	Description	QTY.
1	331-07-01	Palletising Robot	1
2	331-07-02	Layer Pad Conveyor	1
3	331-07-03	Pail Pallet Conveyor	1
4	331-07-04	Palletising Cell Guarding	1
5	331-07-05	Layer Pad Conveyor End Stop	1
6	331-07-06	Palletising Control Cabinet	1



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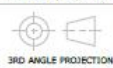


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3RD ANGLE PROJECTION

REVISION NO:

SHEET SIZE: A3

SCALE:

DO NOT SCALE

DWG NO.: 331-07

DESCRIPTION:

QUANTITY:

MATERIAL:

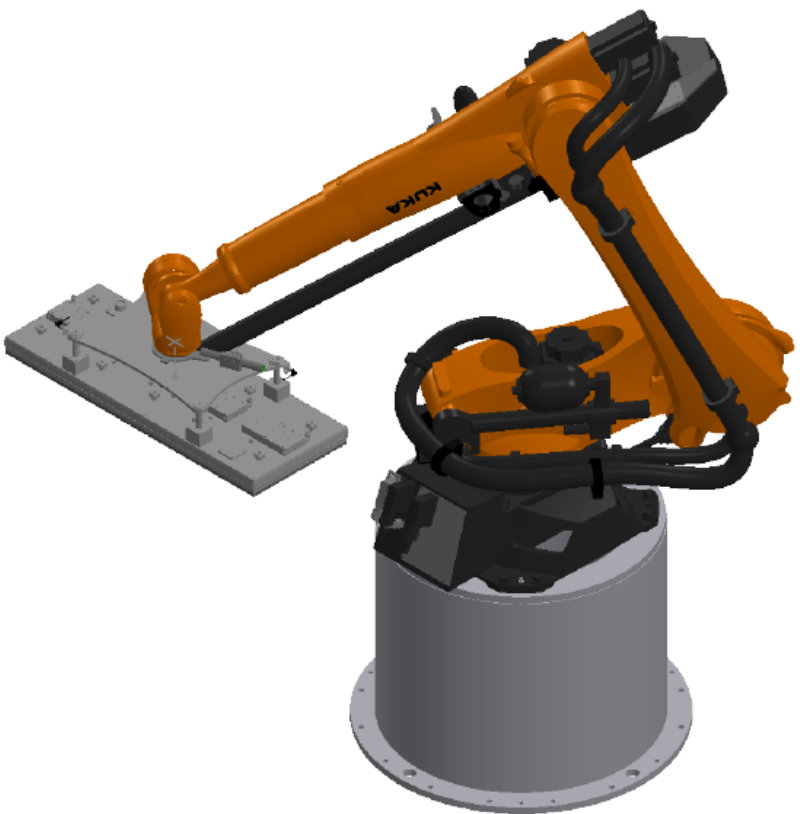
SURFACE TREATMENT:

SHEET 1 OF 1



Robot Platform

ITEM NO.	PART NUMBER	Description	Vendor	QTY.
1	331-07-01-01	Robot Pedestal Base Ring	ProEvo - Fab	1
2	331-07-01-02	Robot Pedestal Mount Ring	ProEvo - Fab	1
3	331-07-01-03	Robot Pedestal Mid Section	ProEvo - Fab	1
4	331-07-01-04	Kuka Location Dowell	ProEvo - CM	2
5	51640-010 2023-03-30	EOAT - Vacuum Gripper	Unigripper	1
6	Kuka - KR150 R3700 K ultra.sldasm-Part-1			1



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REVISION NO:

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DWG NO.: 331-07-01

DESCRIPTION: Robot Pedestal

QUANTITY: 1

MATERIAL:

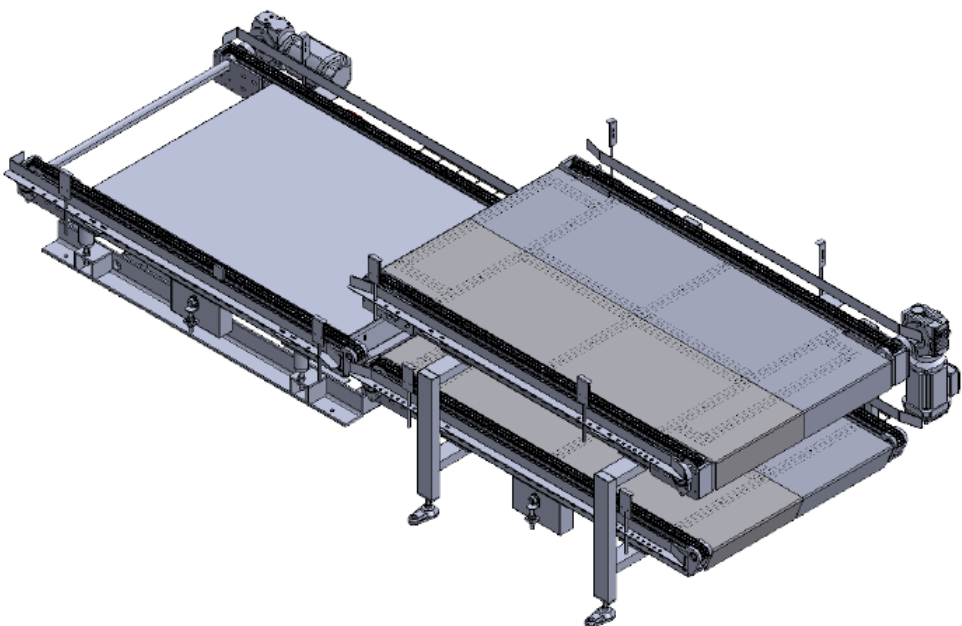
SURFACE TREATMENT:

SHEET 1 OF 1



Layer Pad Conveyors

ITEM NO.	PART NUMBER	Description	Vendor	QTY.
1	331-07-02-02	Layer Pad Conveyor Treadplate LH	ProEvo - SM	1
2	331-07-02-03	Isolator Switch Bracket	ProEvo - SM	1
3	331-07-02-04	Layer Pad Conveyor Treadplate RH	ProEvo - SM	1
4	331-07-02-06	Layer Pad Conveyor Lower Treadplate LH	ProEvo - SM	1
5	331-07-02-07	Layer Pad Conveyor Lower Treadplate LH	ProEvo - SM	1
6	KEM316YRM2	Isolator Poly 3P RD/VL Handle 16A	APS Industrial	1
7	0111	X-Tray U 120x60 Zinc Plated	Axellent	1
8	331-07-02-01	Layer Pad Conveyor Frame Upper	Robotunits	1
9	331-07-02-05	Layer Pad Conveyor Frame Lower	Robotunits	1
10	FAS 5051	50x50 Fastener Kit	Robotunits	12
11	FAS 5055	50x50 Single Sided Fastener Kit	Robotunits	16



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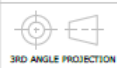


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REVISION NO:

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SCALE:

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DWG NO.: 331-07-02

DESCRIPTION: PART--DESC

QUANTITY:

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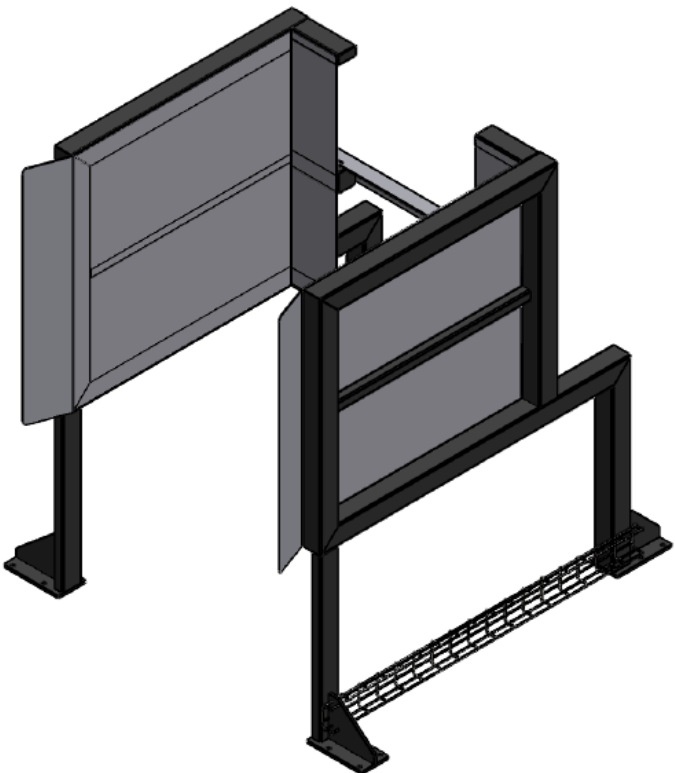
SURFACE TREATMENT:

SHEET 1 OF 1



Layer Pad Conveyor End Stop

ITEM NO.	PART NUMBER	Description	Vendor	QTY.
1	331-07-05-03	Pallet End Stop Cross Brace Lower	ProEvo - CM	1
2	331-07-05-04	Pallet End Stop Cross Brace Upper	ProEvo - CM	1
3	331-07-05-01	Layer Pad End Stop Frame	ProEvo - Fab	1
4	331-07-05-02	End Stop Inner Sheet	ProEvo - SM	2
5	0111	X-Tray U 120x60 Zinc Plated	Axellent	1



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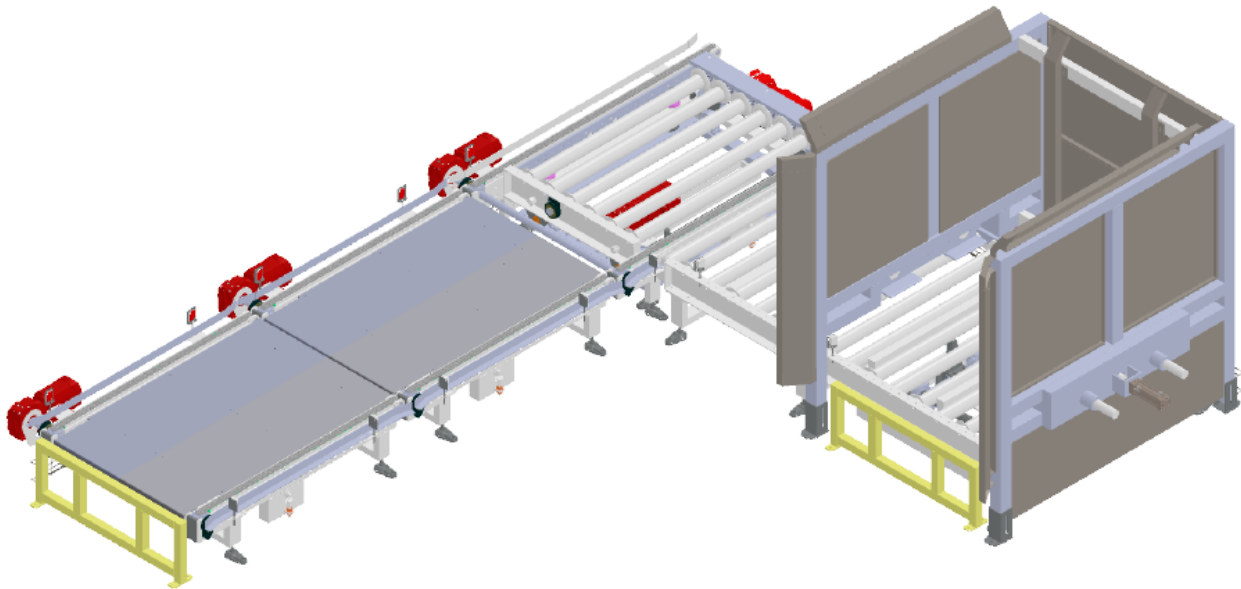
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SURFACE TREATMENT:

SHEET 1 OF 1

Pallet Conveyor/Dispenser

ITEM NO.	PART NUMBER	Description	Vendor	QTY.
1	331-07-03-01	Pail Pallet Tread Plate LH	ProEvo - SM	2
2	331-07-03-02	Pail Pallet Tread Plate LH	ProEvo - SM	2
3	0111	X-Tray U 120x60 Zinc Plated	Axellent	1
4	0111	X-Tray U 120x60 Zinc Plated	Axellent	1
5	0111	X-Tray U 120x60 Zinc Plated	Axellent	2
6	0111	X-Tray U 120x60 Zinc Plated	Axellent	1
7	331-07-03-03	Pail Pallet Conveyor Frame	Robotunits	2
8	FAS 5051	50x50 Fastener Kit	Robotunits	8
9	FAS 5055	50x50 Single Sided Fastener Kit	Robotunits	16



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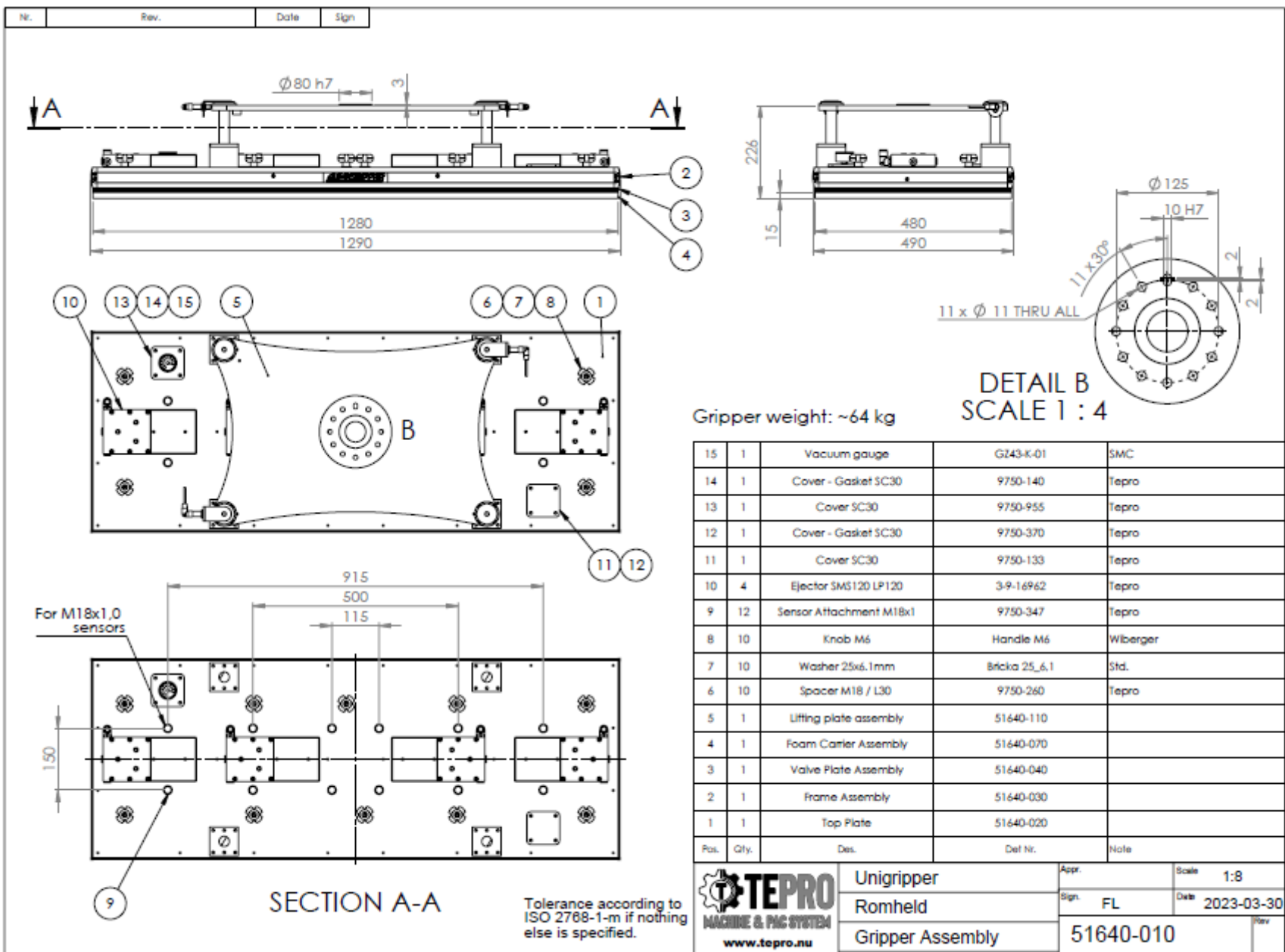
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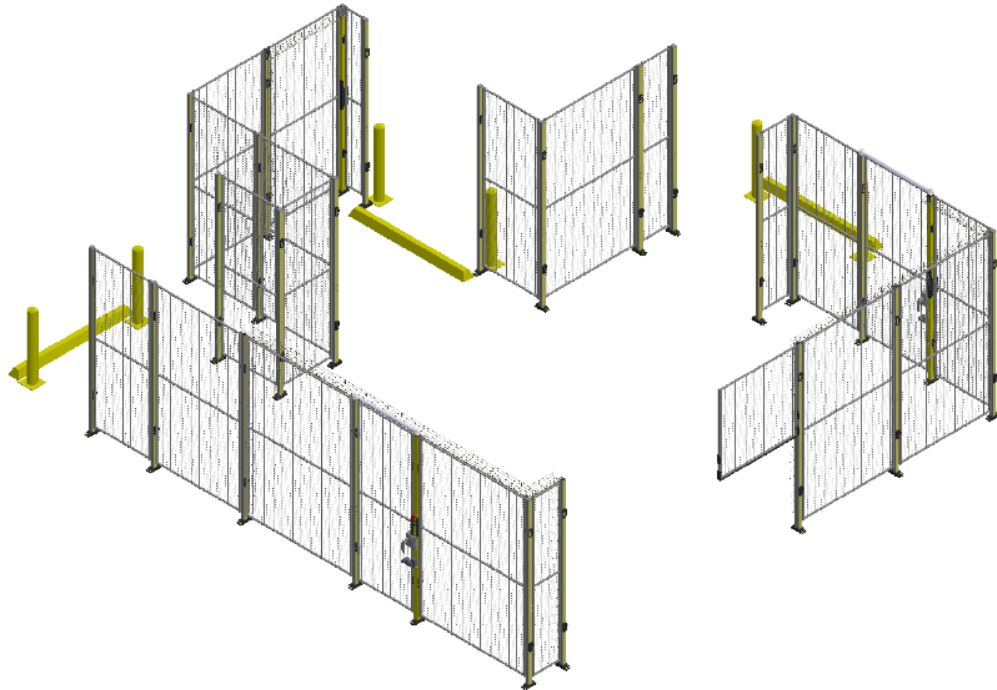
SURFACE TREATMENT:

SHEET 1 OF 1



End Of Arm Tool (Unigripper)





ITEM NO.	PART NUMBER	Description	Vendor	QTY.
1	331-07-04-01	Euchner Door Interlock Mount Bracket	ProEvo - SM	2
2	D10-XXX150A	Single hinge door with upper frame	Axellent	1
3	D10-XXX150A	Single hinge door with upper frame	Axellent	1
4	0101	X-Tray U 60x60 Zinc Plated	Axellent	1
5	0101	X-Tray U 60x60 Zinc Plated	Axellent	2
6	0101	X-Tray U 60x60 Zinc Plated	Axellent	1
7	0101	X-Tray U 60x60 Zinc Plated	Axellent	1
8	0101	X-Tray U 60x60 Zinc Plated	Axellent	1
9	0111	X-Tray U 120x60 Zinc Plated	Axellent	1
10	0111	X-Tray U 120x60 Zinc Plated	Axellent	1
11	0111	X-Tray U 120x60 Zinc Plated	Axellent	1
12	0111	X-Tray U 120x60 Zinc Plated	Axellent	1
13	0111	X-Tray U 120x60 Zinc Plated	Axellent	1
14	7700-014	Key Hole Post Bracket	Axellent	11
15	7700-015	Post Bracket Top	Axellent	8
16	7700-066	Top Corner Bracket	Axellent	2
17	7700-066	Top Corner Bracket	Axellent	1
18	KH-3-150	Cutting Package - Panel	Axellent	1
19	L10-05-2	Hitch Lock	Axellent	1
20	L10-05-2	Hitch Lock	Axellent	1
21	P11-230	50x50 Post Yellow 2300mm Long	Axellent	15
22	P11-230	50x50 Post Yellow 2300mm Long	Axellent	8
23	P11-230-A01	50x50 Post with Pushbutton Holes	Axellent	3
24	W322-220025	Mesh Panel 2200 x 250	Axellent	1
25	W322-220040	Mesh Panel 2200 x 400	Axellent	3
26	W322-220070	Mesh Panel 2200 x 700	Axellent	1
27	W322-220080	Mesh Panel 2200 x 800	Axellent	5
28	W322-220090	Mesh Panel 2200 x 900	Axellent	3
29	W322-220100	Mesh Panel 2200 x 1000	Axellent	3
30	W322-220110	Mesh Panel 2200 x 1100	Axellent	1
31	W322-220120	Mesh Panel 2200 x 1200	Axellent	1
32	W322-220130	Mesh Panel 2200 x 1300	Axellent	3
33	W322-220150	Mesh Panel 2200 x 1500	Axellent	2
34	Ø22 Push Button Legend Plate	Ø22mm Push Button Legend Plate	Electrical	4
35	028_357	RIEGL NZ/TZ-S1	Euchner	2
36	082122_a	NZ1VZ-3131E-M	Euchner	1
37	082122_a	NZ1VZ-3131E-M	Euchner	1
38	E2 AC-DXBC1002	Emergency Stop Push Button	Leuze	3
39	VE TF32A5102	Emergency Stop Label	Leuze	3
40	AB8703	Fixed Straight Bollard - 915H x 115D	MHA Products	6
41	RWS1650	Recycled Rubber Wheel Stop Suitable for Parking Areas	PJ Cox	3
42	M22FP-MSF11E30	22mm Pushbutton Momentary Illuminated	Switches Plus	2
43	M22FP-MSF11E30	22mm Pushbutton Momentary Illuminated	Switches Plus	2

Palletising Cell Guarding

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3RD ANGLE PROJECTION

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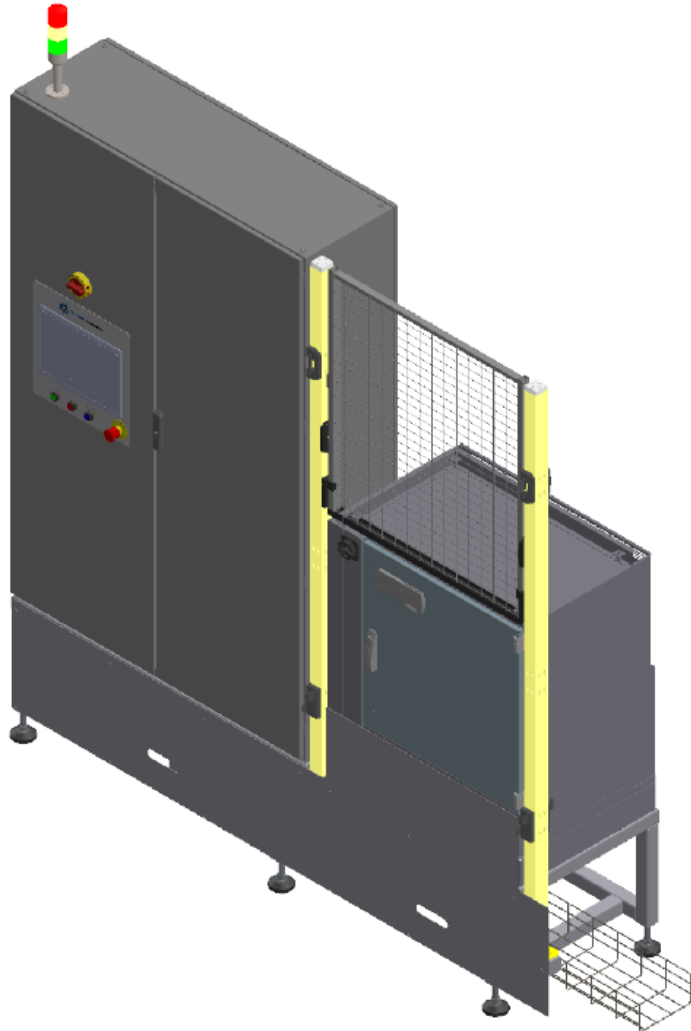
DESCRIPTION:

QUANTITY:

MATERIAL:

SURFACE TREATMENT:

SHEET 1 OF 1



ITEM NO.	PART NUMBER	Description	Vendor	QTY.
1	ProEvo HMI Pushbutton Panel - AB 12in	ProEvo HMI Pushbutton Panel - AB 12"	Mallards	1
2	331-07-06-01	Robot Cabinet Plinth	ProEvo - Fab	1
3	331-07-06-02	Robot Plinth Front RH Panel	ProEvo - SM	1
4	331-07-06-03	Robot Plinth Side Panel	ProEvo - SM	1
5	331-07-06-04	Robot Plinth Front LH Panel	ProEvo - SM	1
6	oka_ku_1k10	Isolator Switch	APS Industrial	1
7	PV5310_12W	Panel View 12" Display	Allen Bradley	1
8	0122	X-Tray 110x220 Zinc Plated	Axelent	1
9	KH-3-150	Cutting Package - Panel	Axelent	1
10	P11-200	Post	Axelent	2
11	W322-220080	Mesh Panel 2200 x 800	Axelent	1
12	CST55 BWM Pulse tone 24VDC GN_VE_RD	Signal Tower - 24VDC Red-Yellow-Green w/ Alarm	Balluff	1
13	Kuka - Robot Controller	Kuka - Robot Controller	Kuka	1
14	E2 AC-DXBC1002	Emergency Stop Push Button	Leuze	1
15	VE TF32A5102	Emergency Stop Label	Leuze	1
16	LVR8020100SSS	Machine Feet	Richmond Castors	6
17	SE 5841.600	Electrical Enclosure - 1800H 1200W 400D	Rittal	1
18	M22FP-MSF11E30	22mm Pushbutton Momentary Illuminated	Switches Plus	1
19	M22FP-MSF11E30	22mm Pushbutton Momentary Illuminated	Switches Plus	1
20	M22FP-MSF11E30	22mm Pushbutton Momentary Illuminated	Switches Plus	1

Palletising Cell MCC

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3RD ANGLE PROJECTION

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SCALE:

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DWG NO.: 331-07-06

DESCRIPTION:

QUANTITY:

MATERIAL:

SURFACE TREATMENT:

SHEET 1 OF 1





CSR PALLETISING CELL ELECTRICAL DRAWINGS

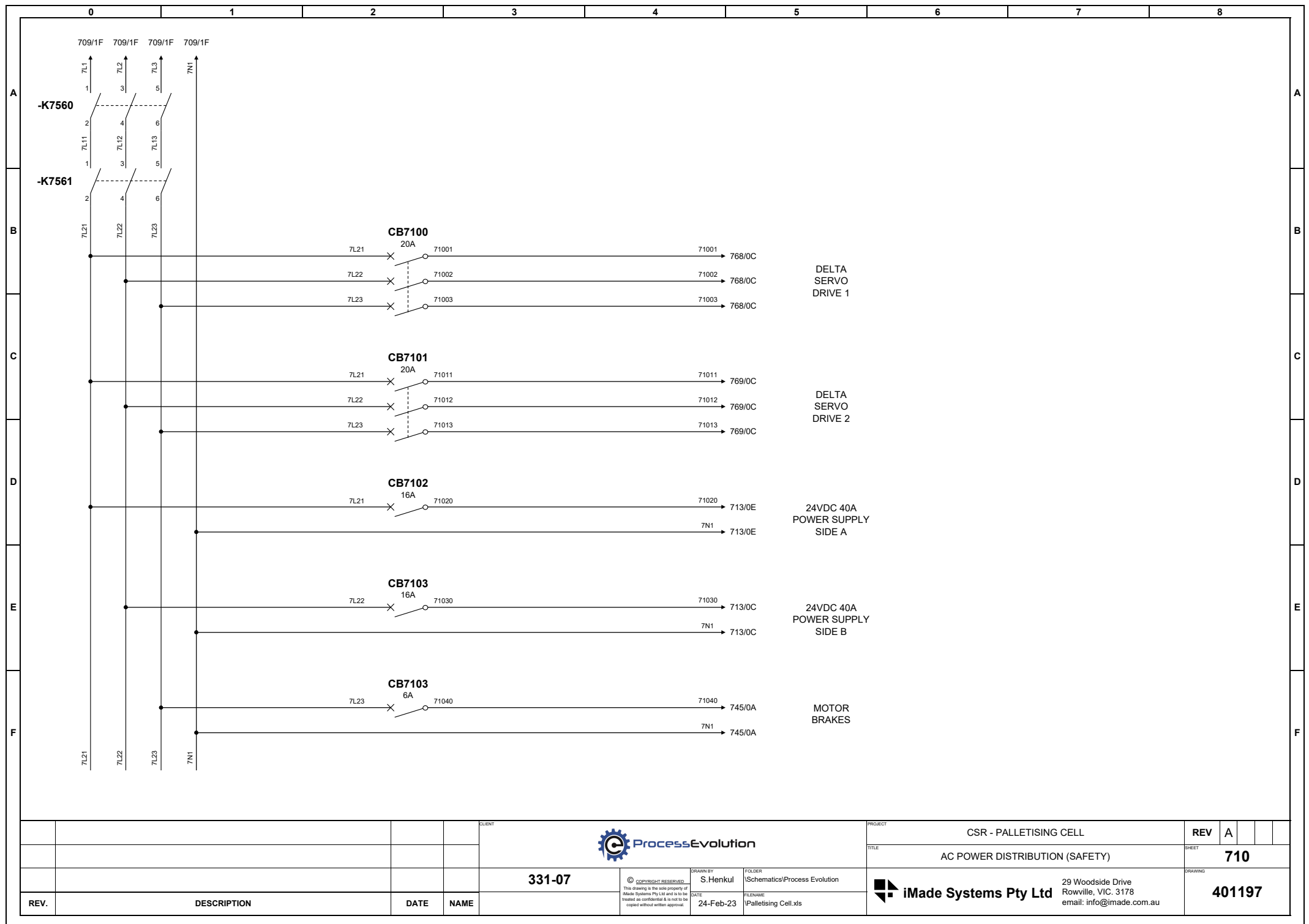
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740	DISTRIBUTION IO BLOCK #1	A
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754	POINT IO MODULE 23b - SAFETY DIGITAL INPUTS	A
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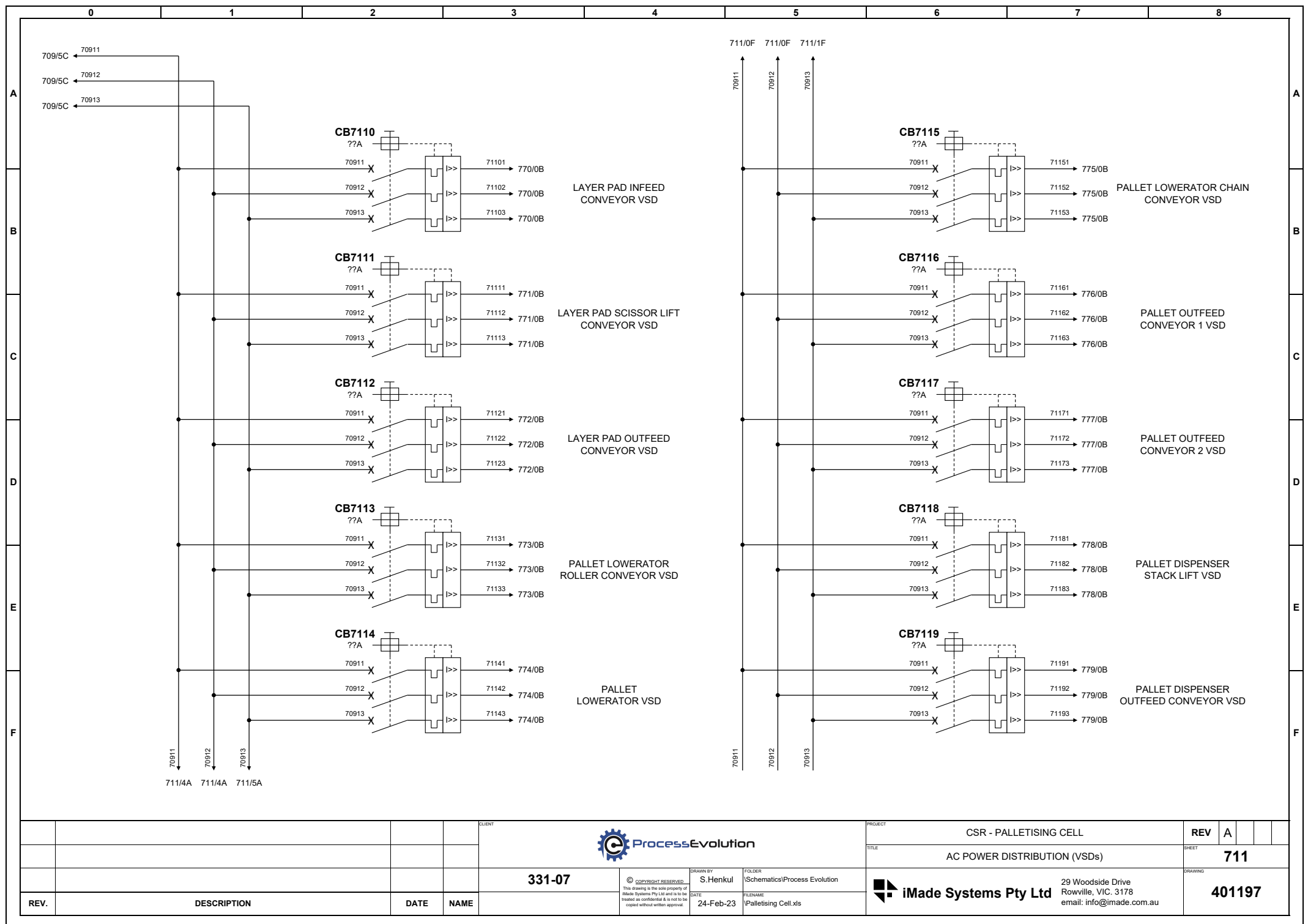
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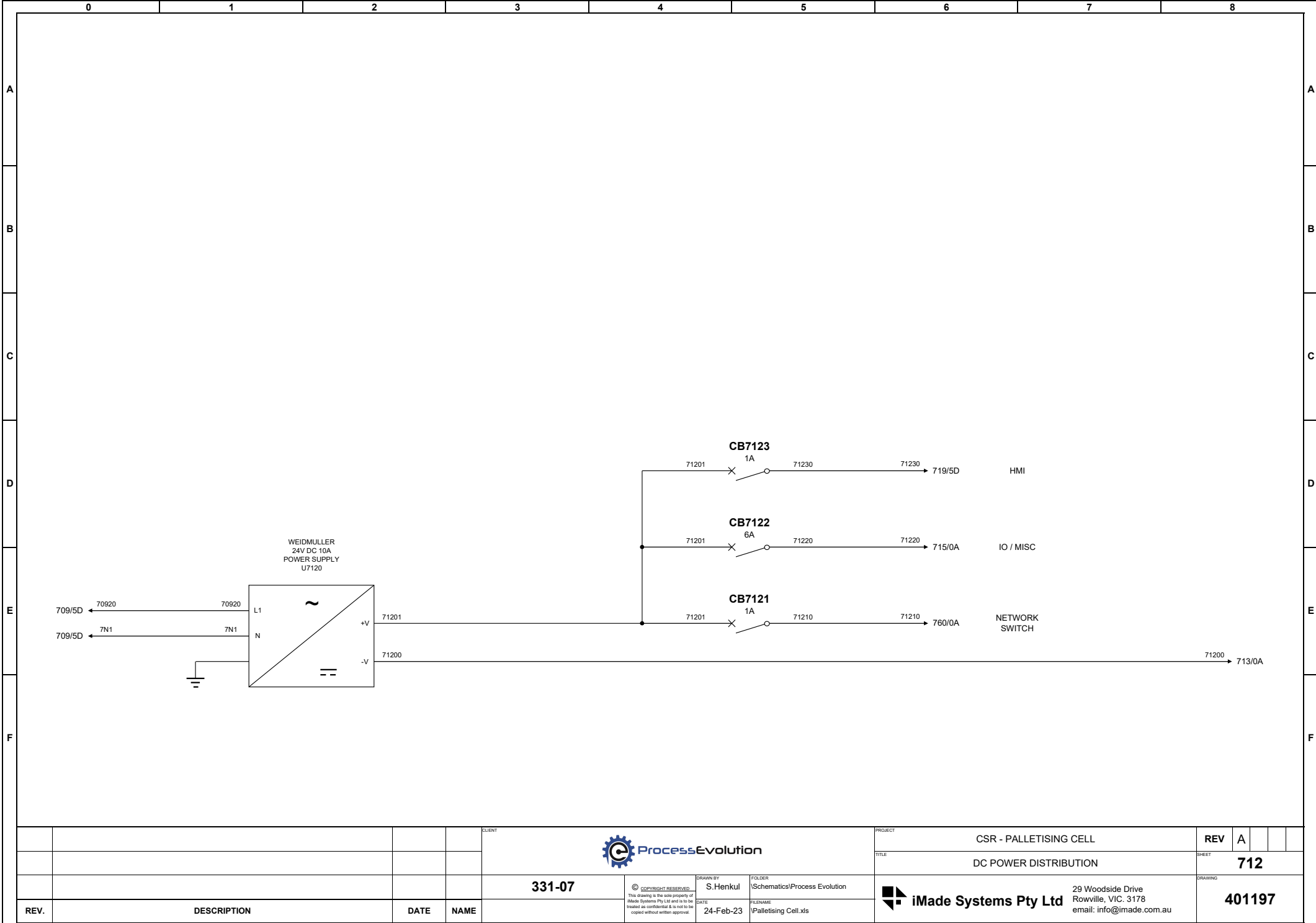
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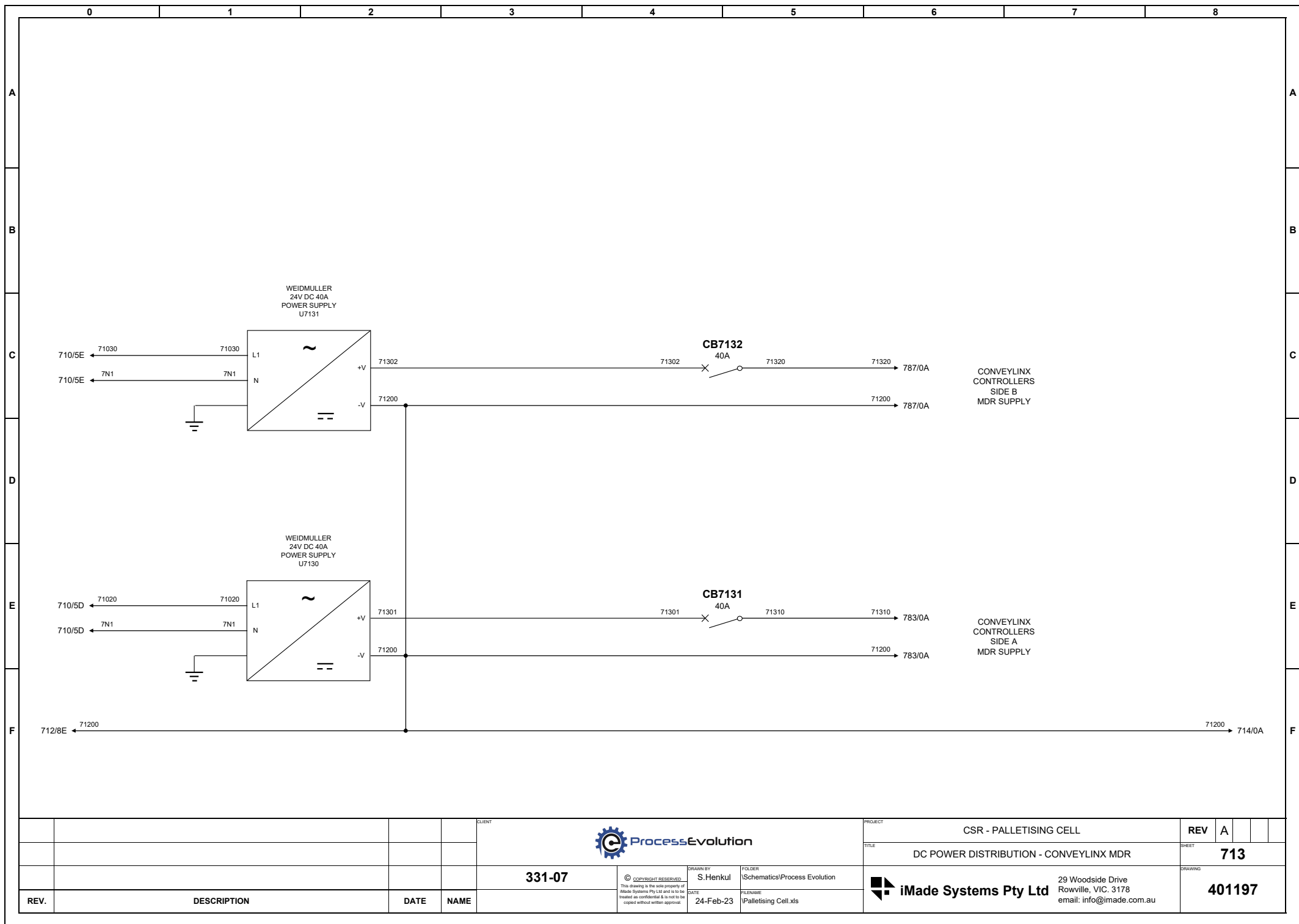
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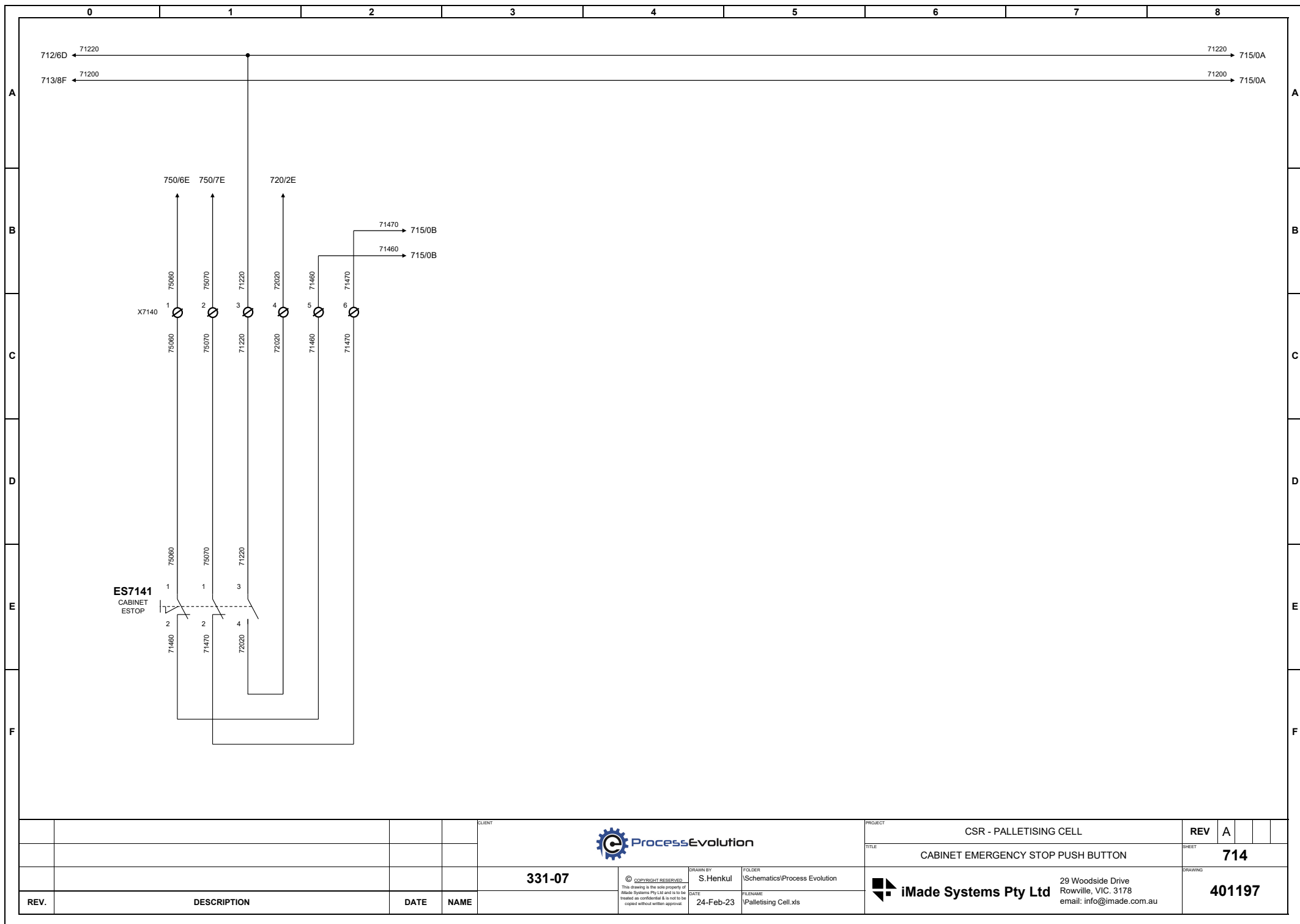
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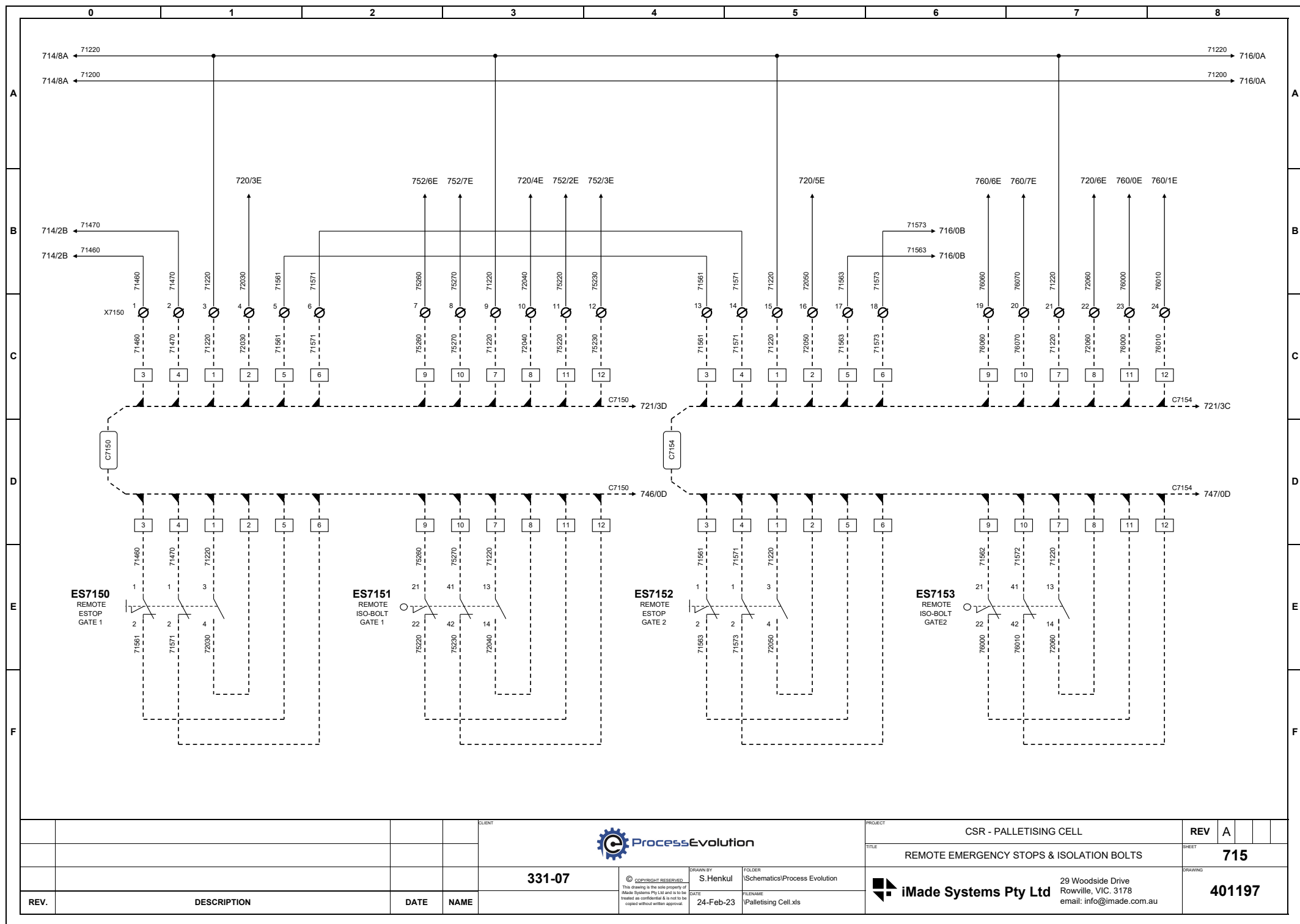


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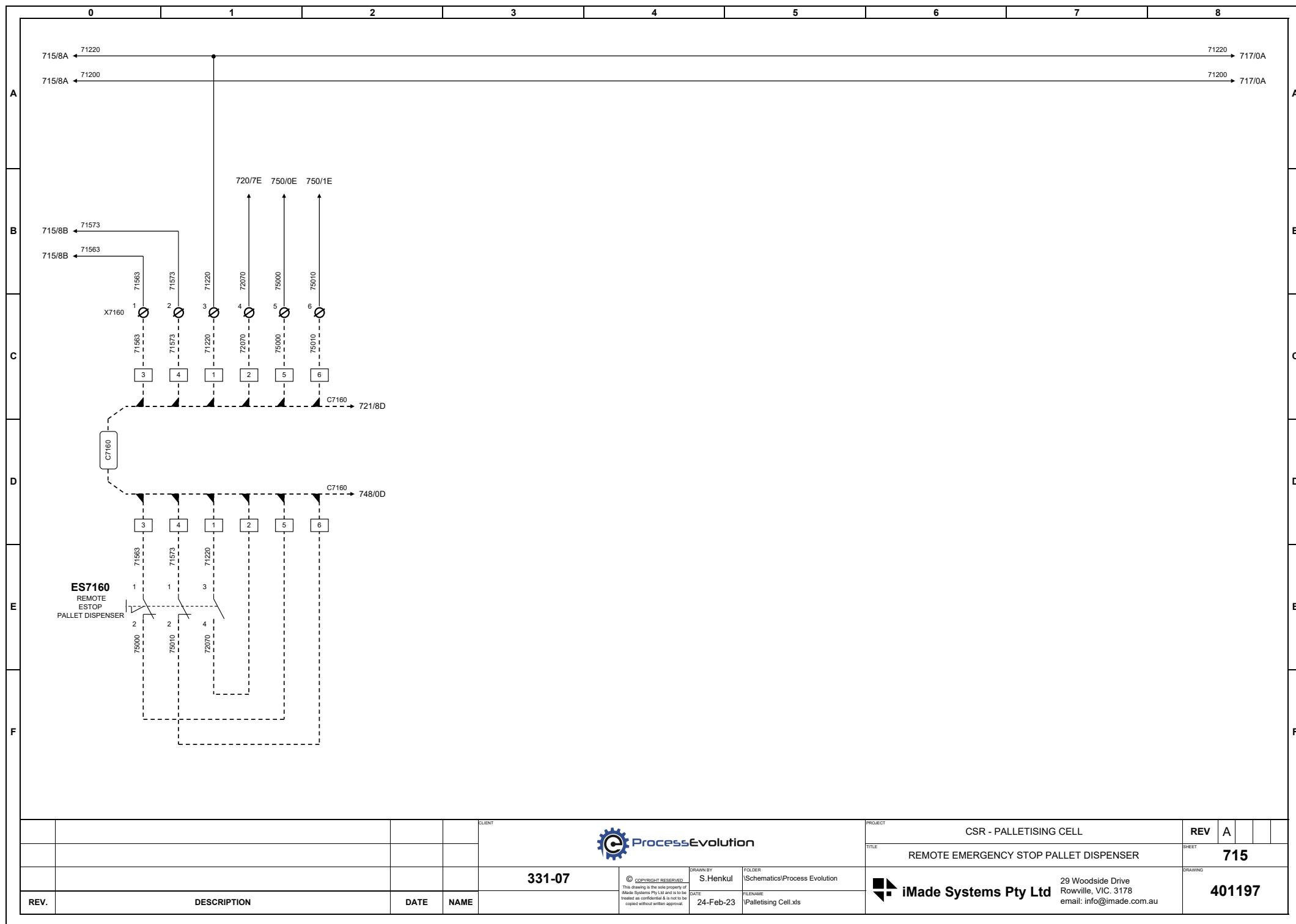


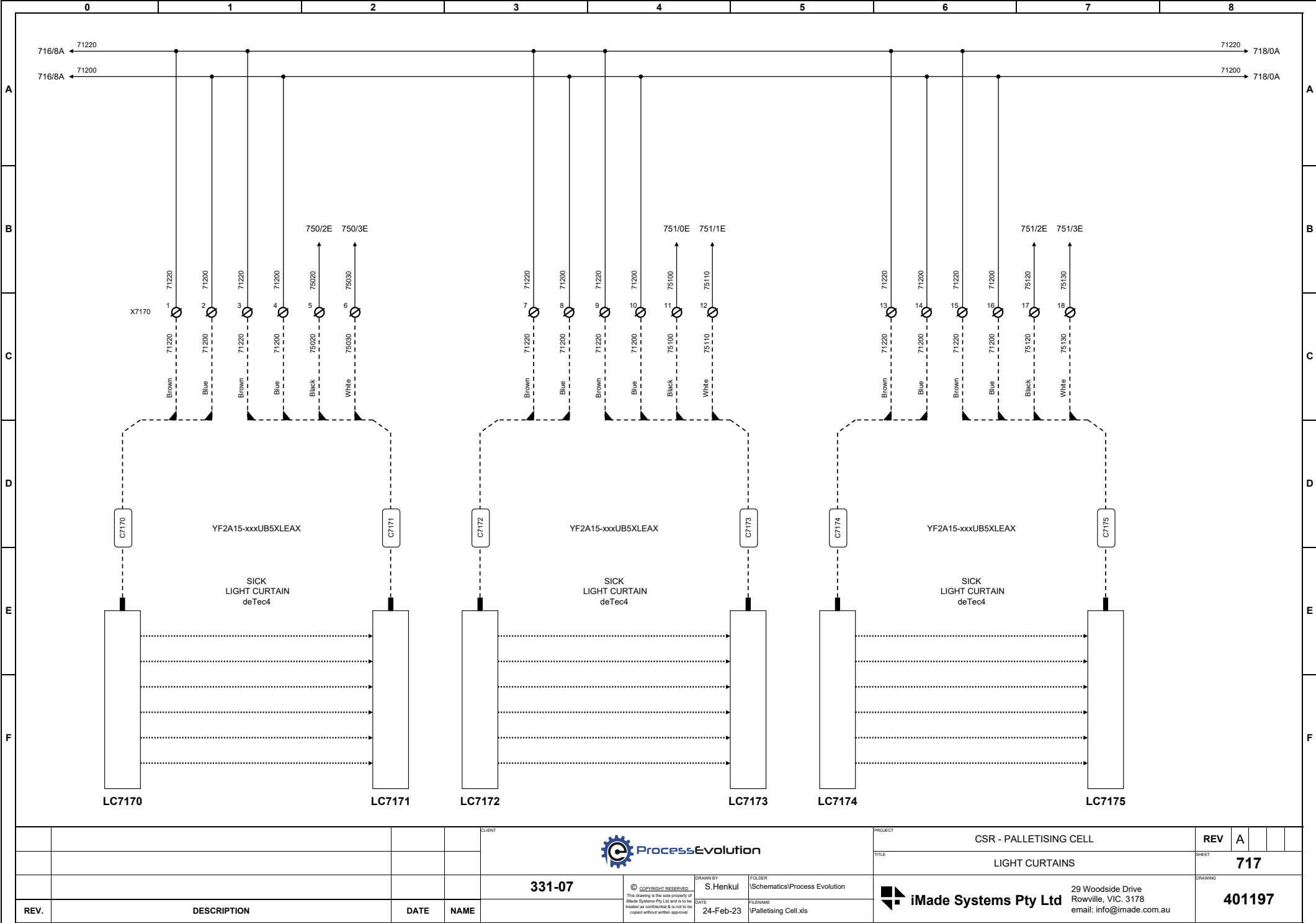







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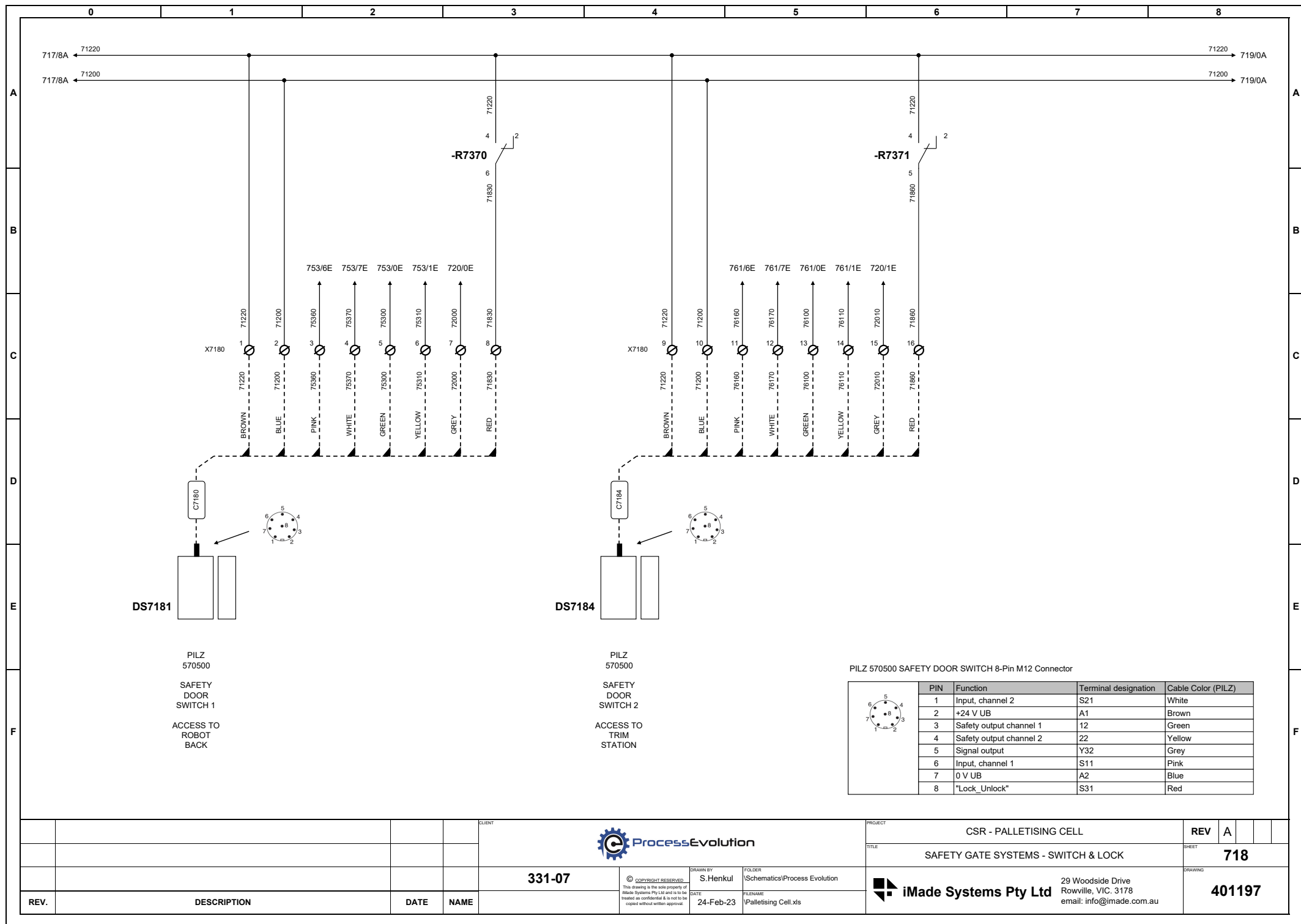
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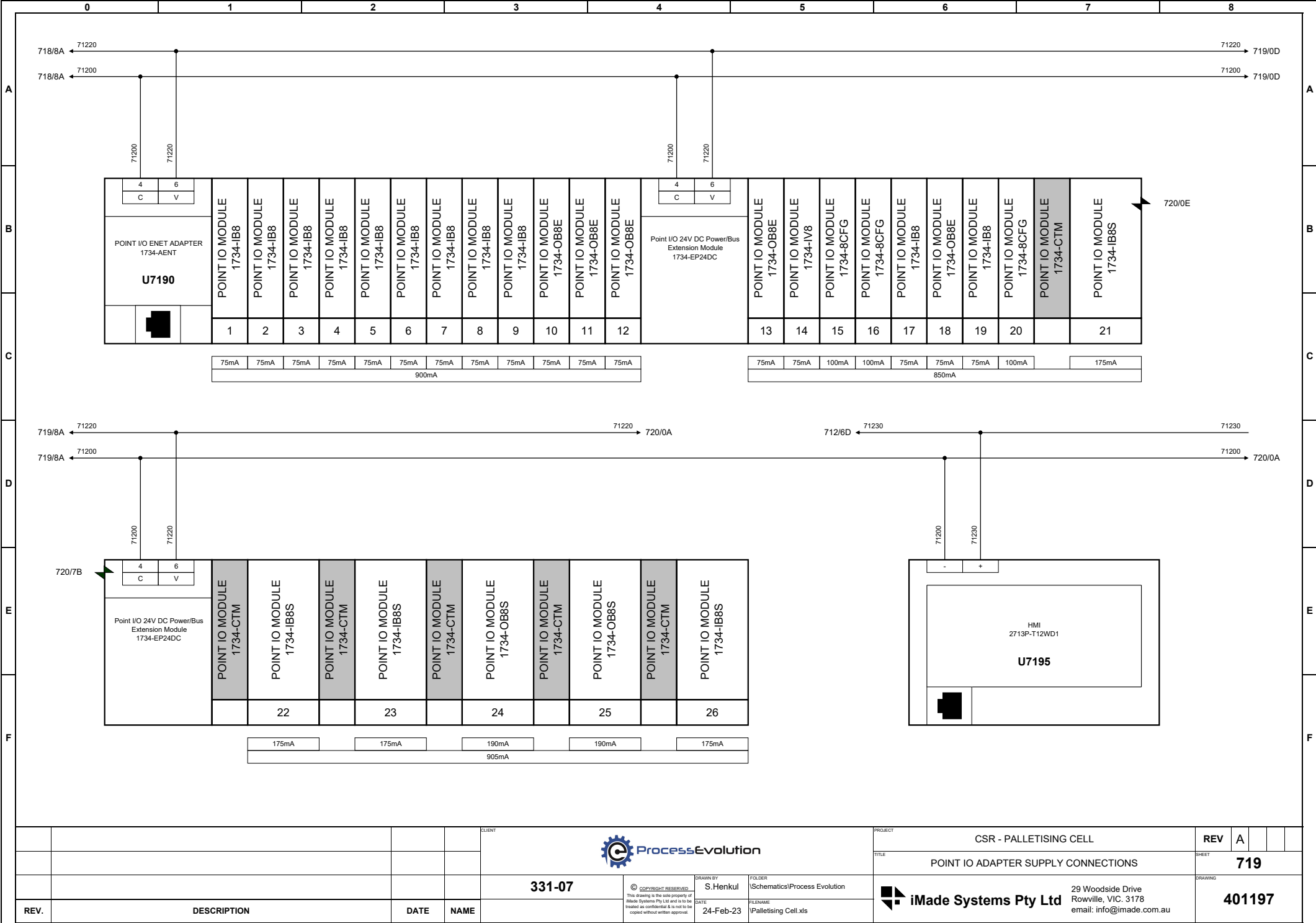
LIGHT CURTAINS



PILZ 570500 SAFETY DOOR SWITCH 8-Pin M12 Connector

PIN	Function	Terminal designation	Cable Color (PILZ)
1	Input, channel 2	S21	White
2	+24 V UB	A1	Brown
3	Safety output channel 1	12	Green
4	Safety output channel 2	22	Yellow
5	Signal output	Y32	Grey
6	Input, channel 1	S11	Pink
7	0 V UB	A2	Blue
8	"Lock_Unlock"	S31	Red

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



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CSR - PALLETISING CELL

POINT IO ADAPTER SUPPLY CONNECTIONS

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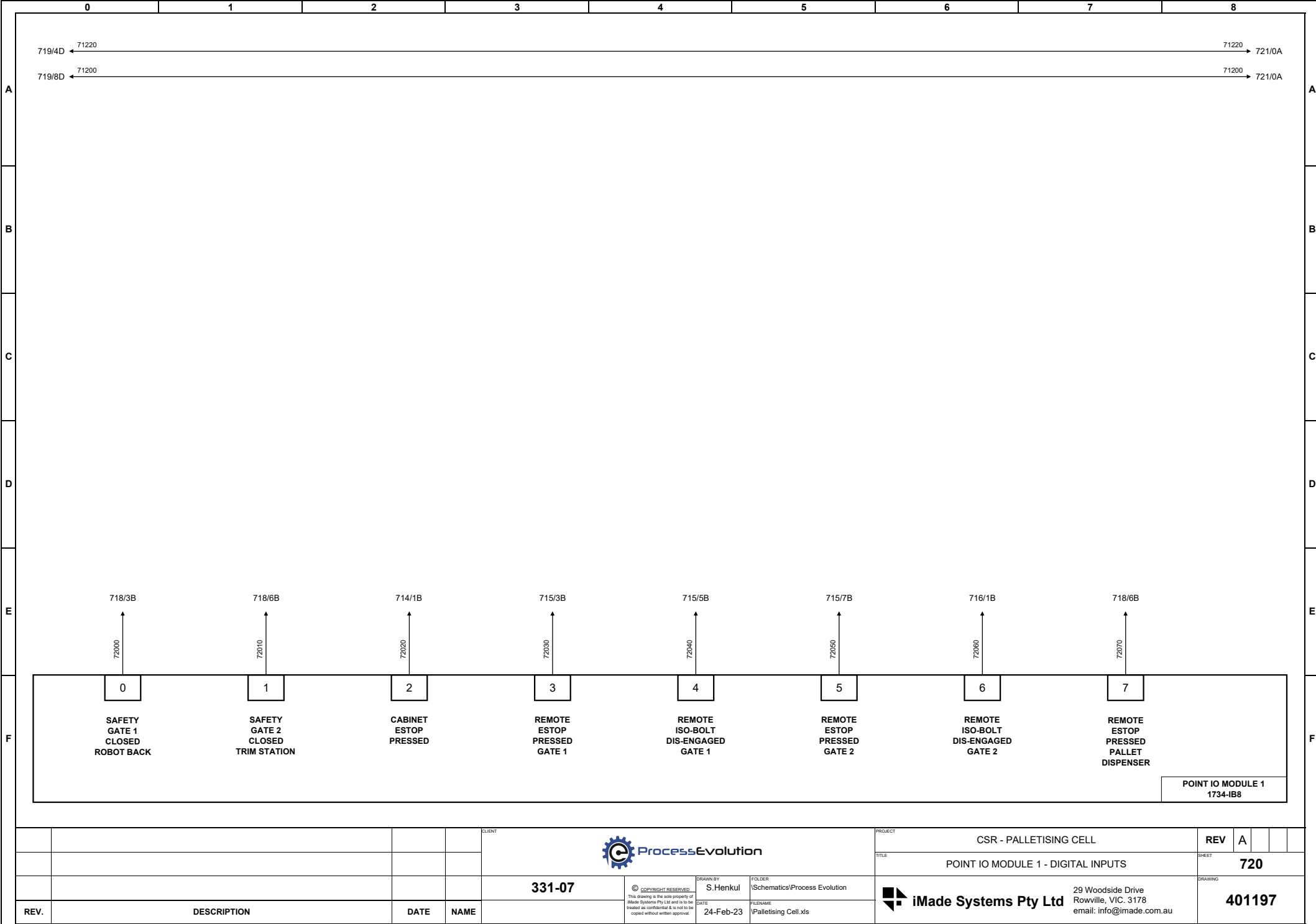
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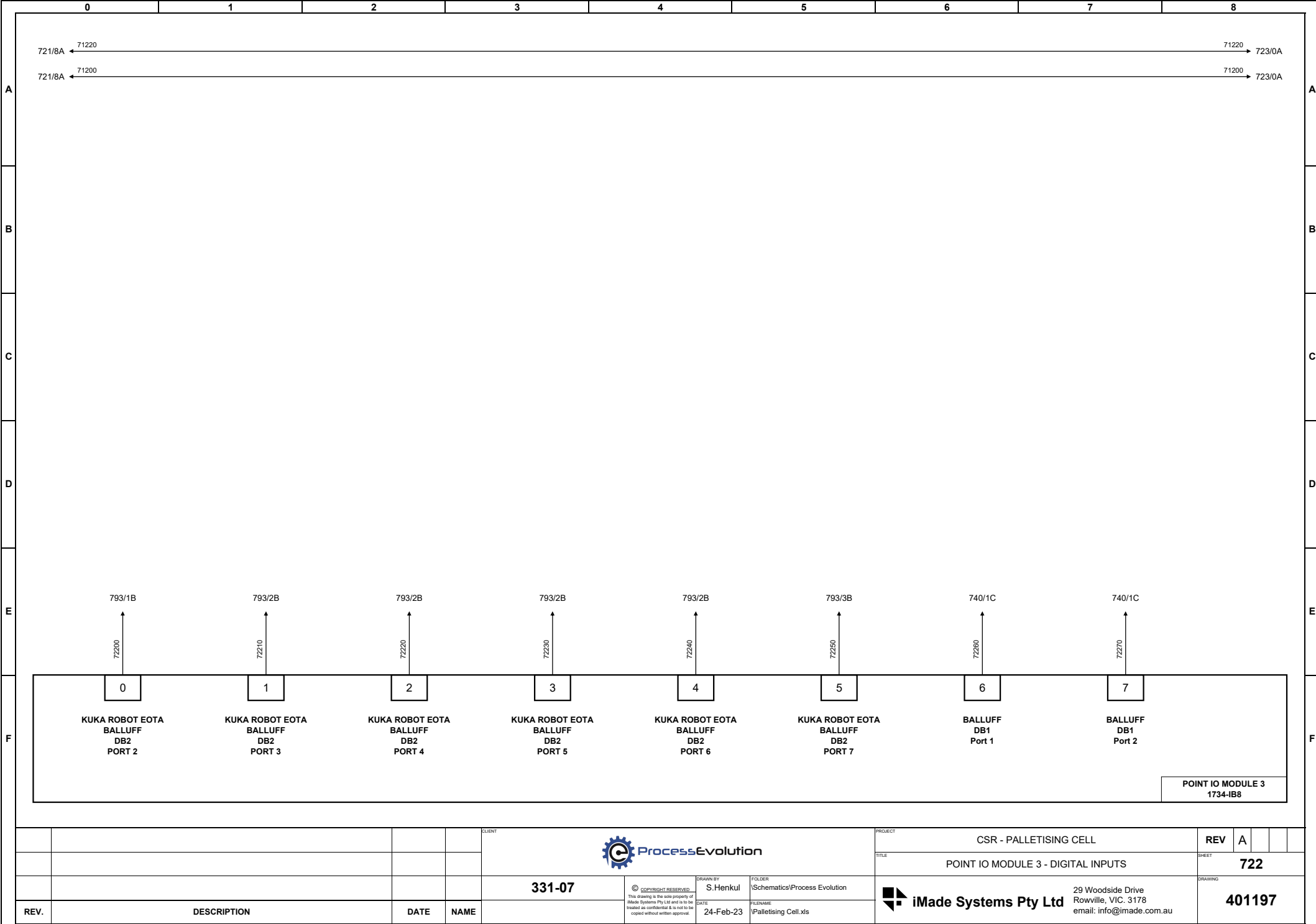
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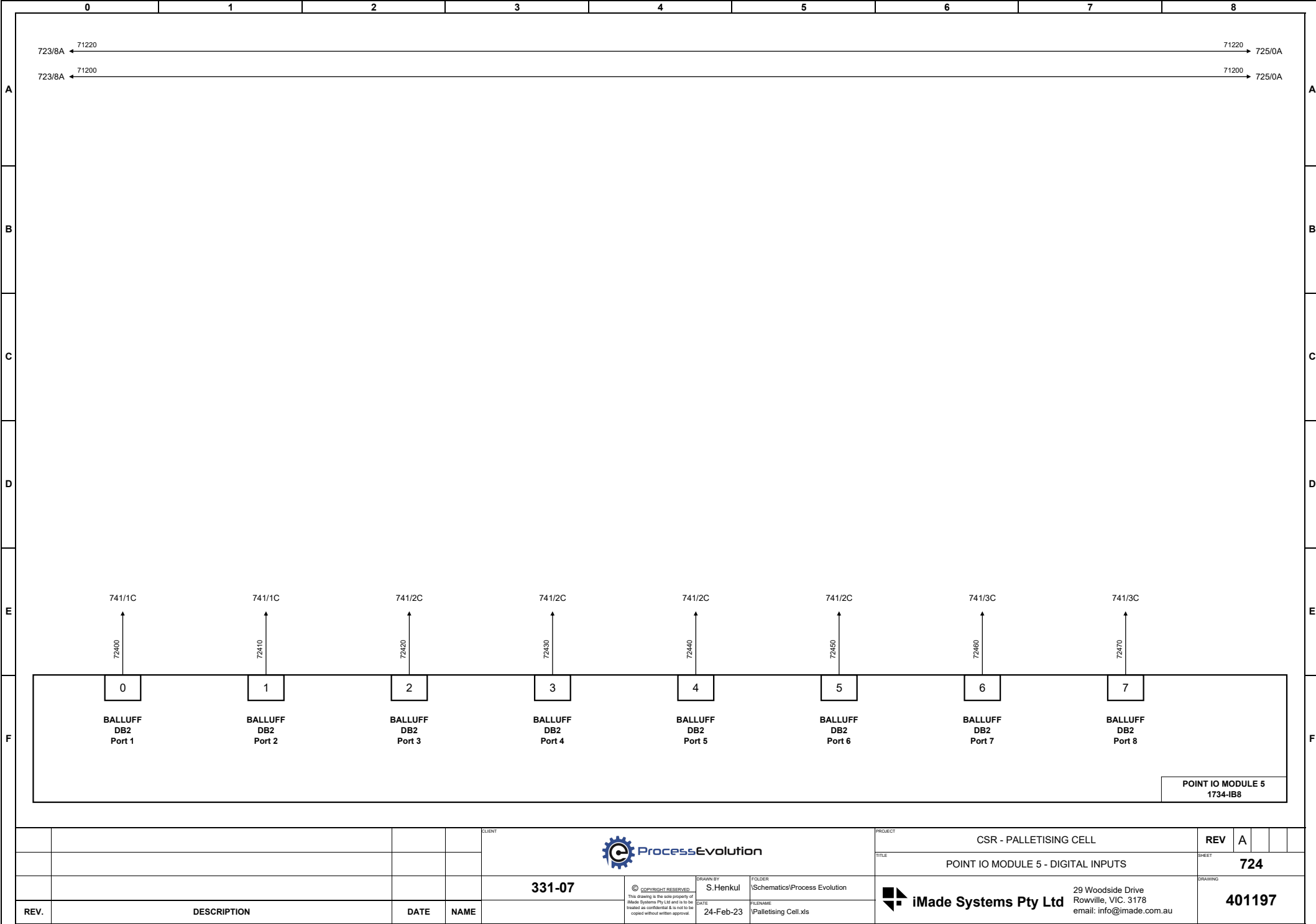
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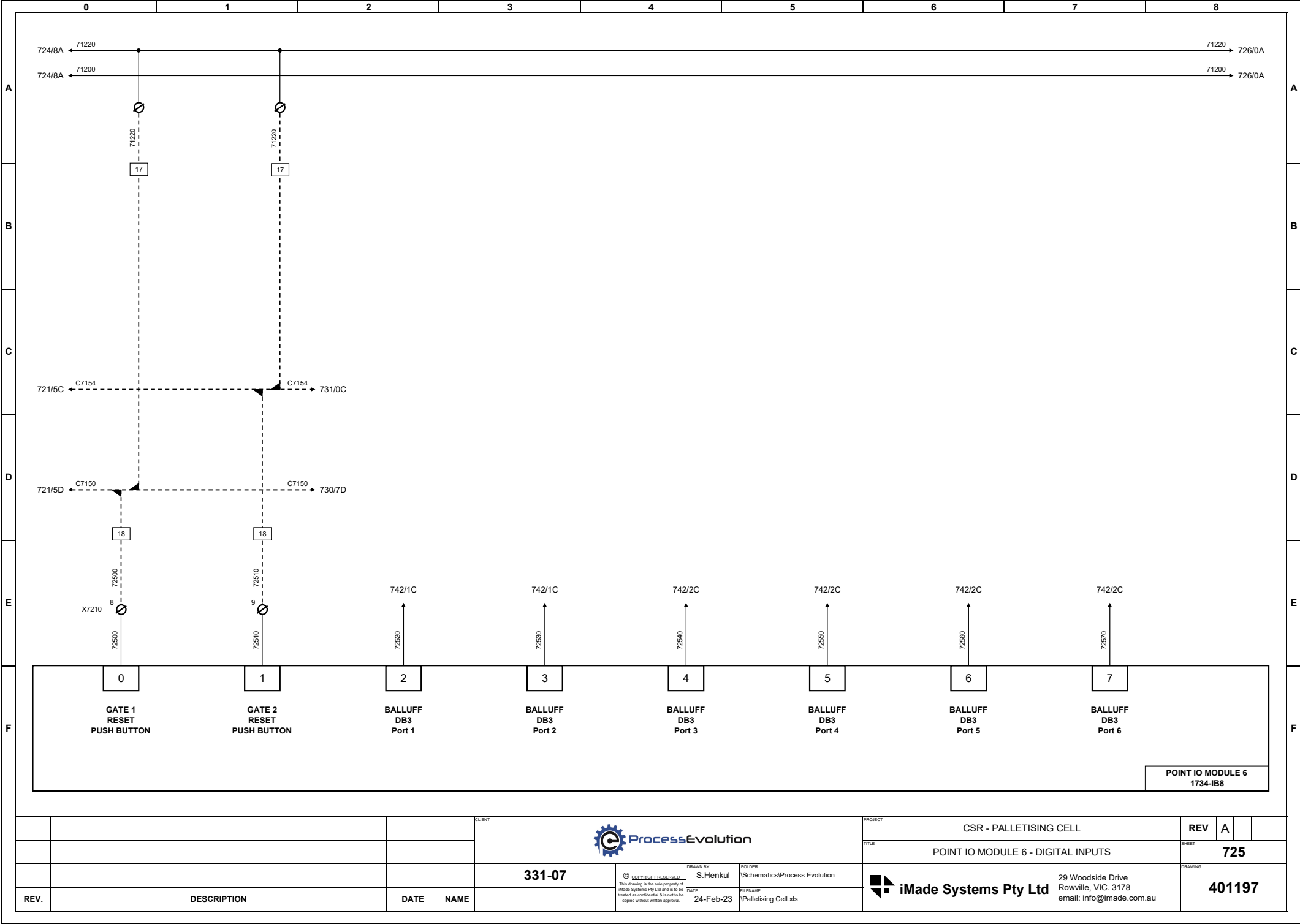
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POINT IO MODULE 6 - DIGITAL INPUTS

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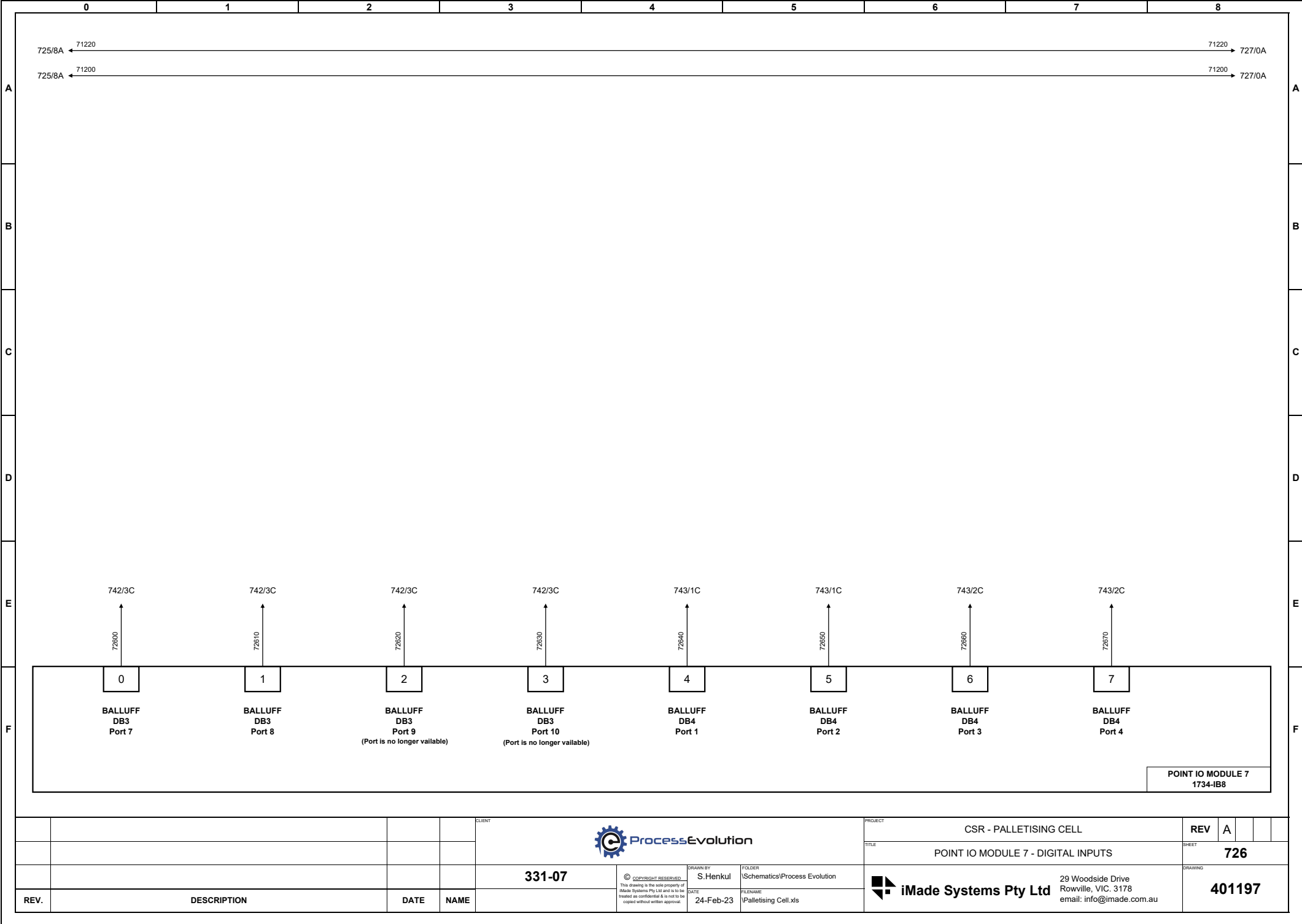
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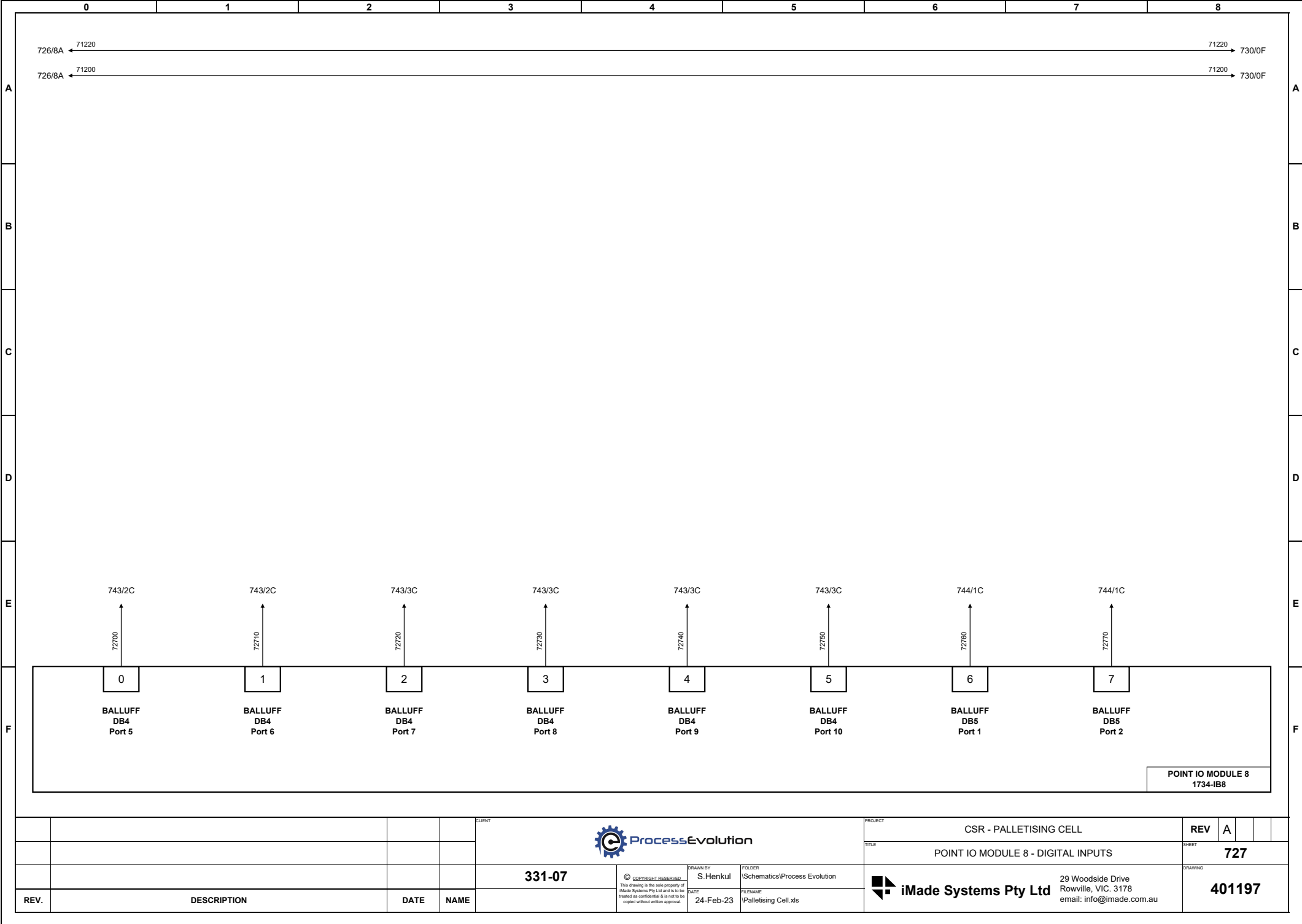
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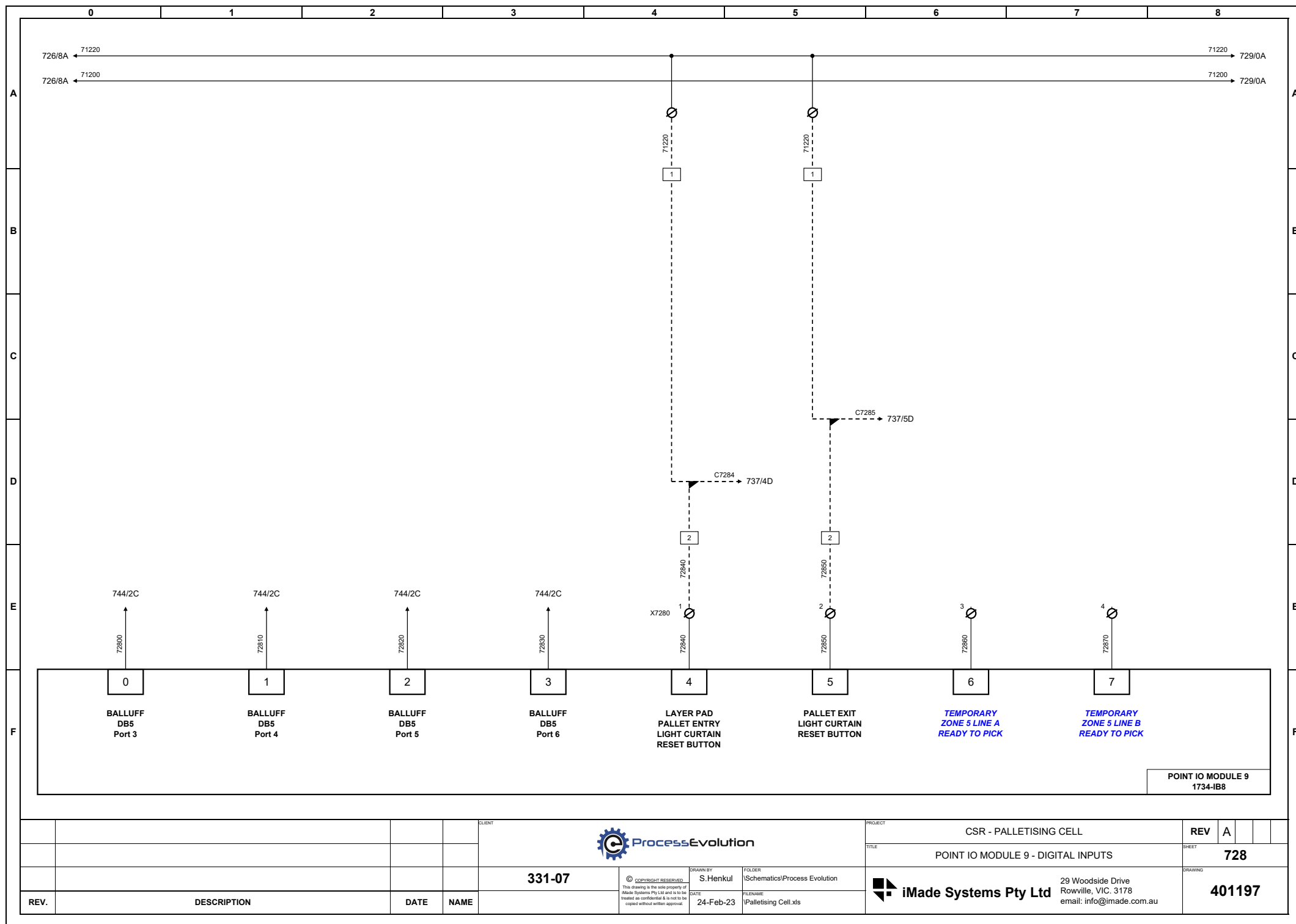
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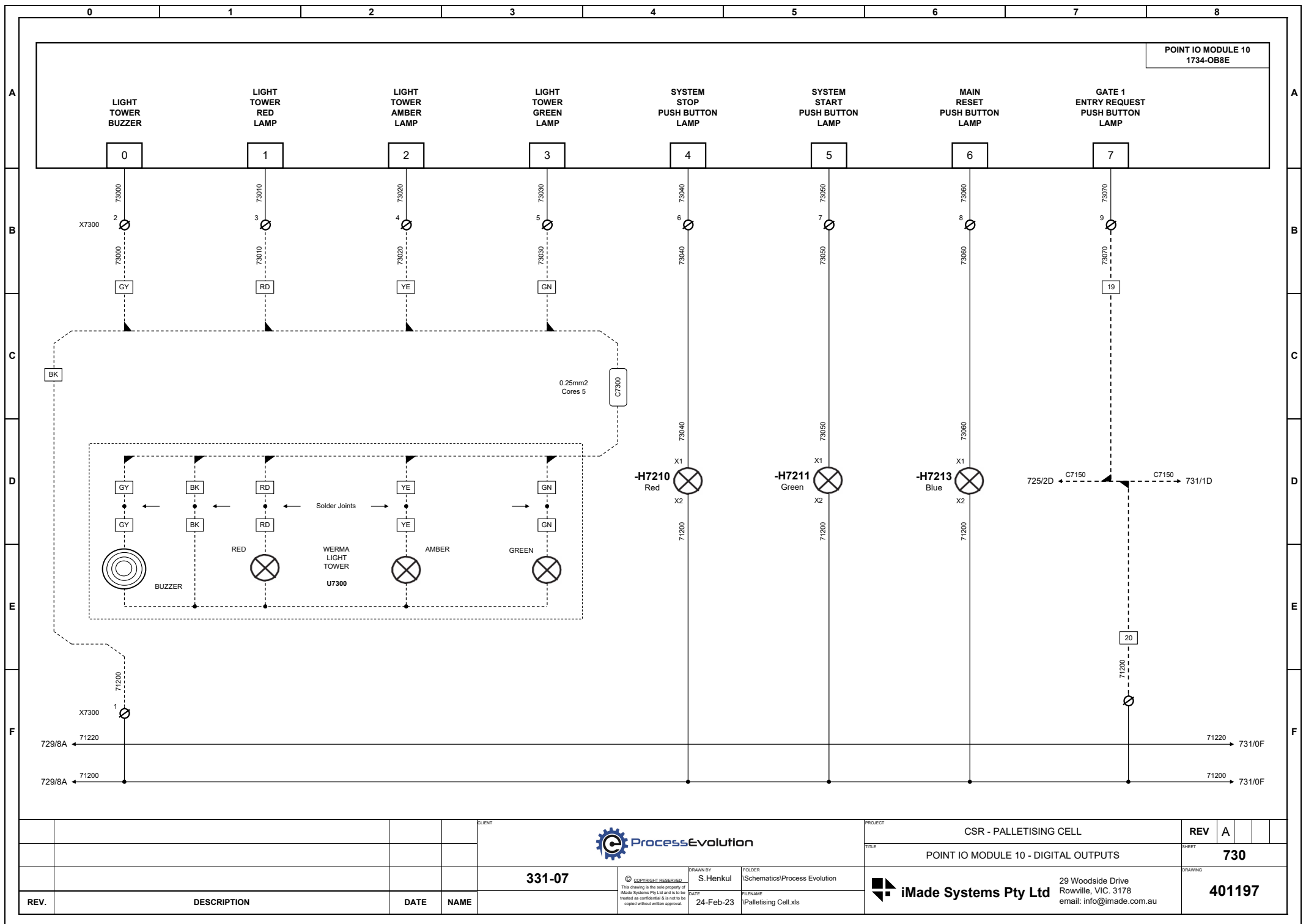
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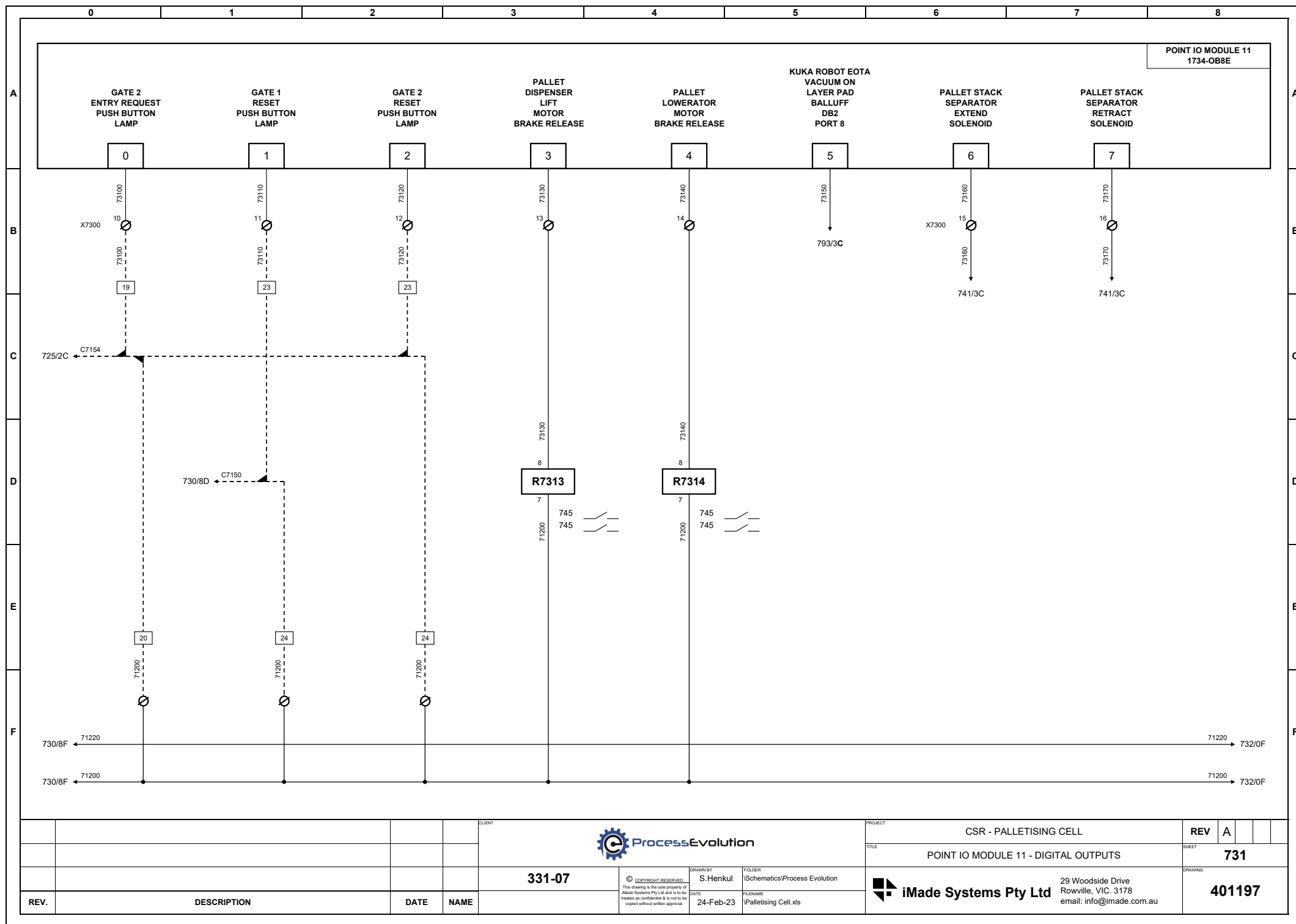
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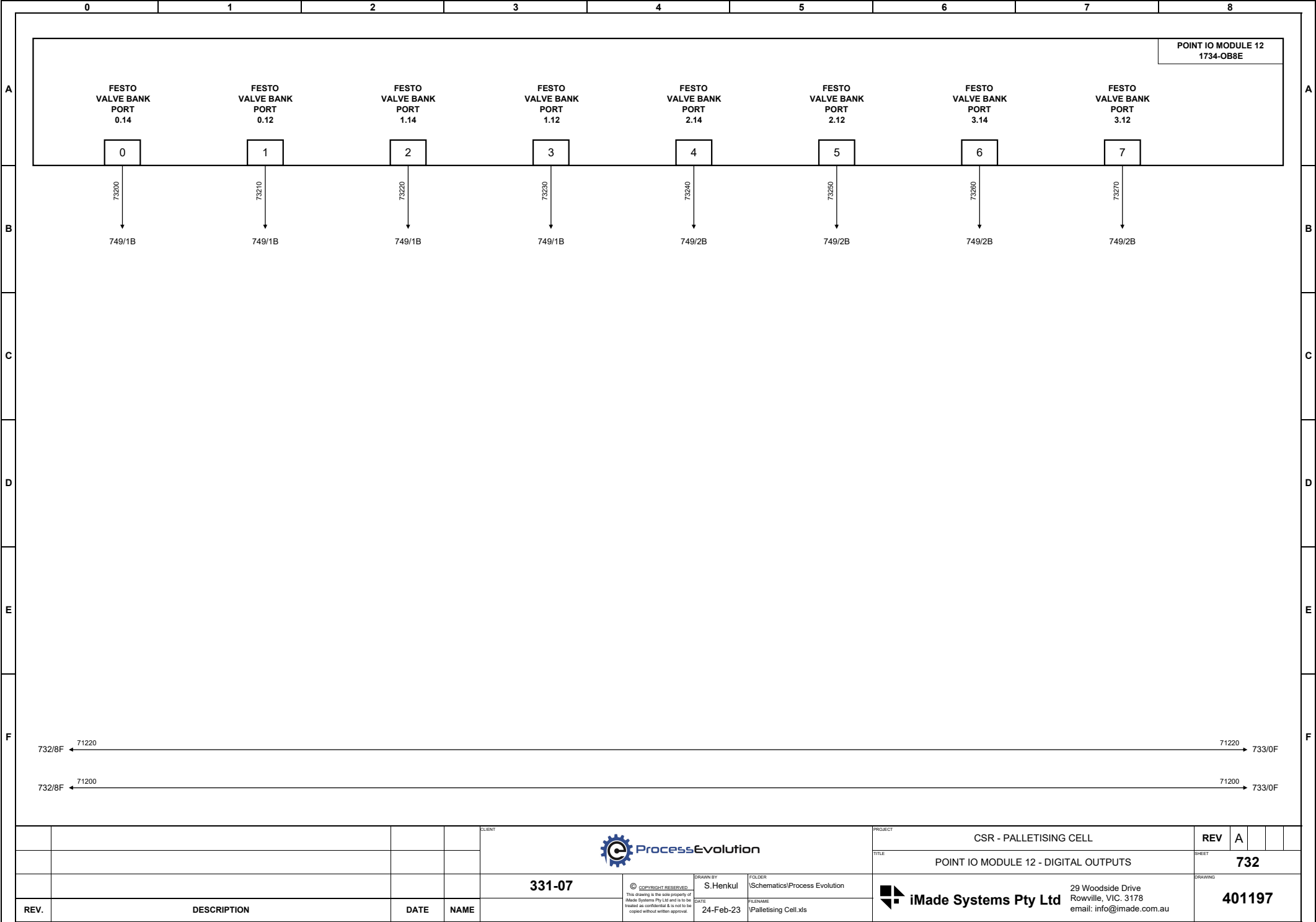


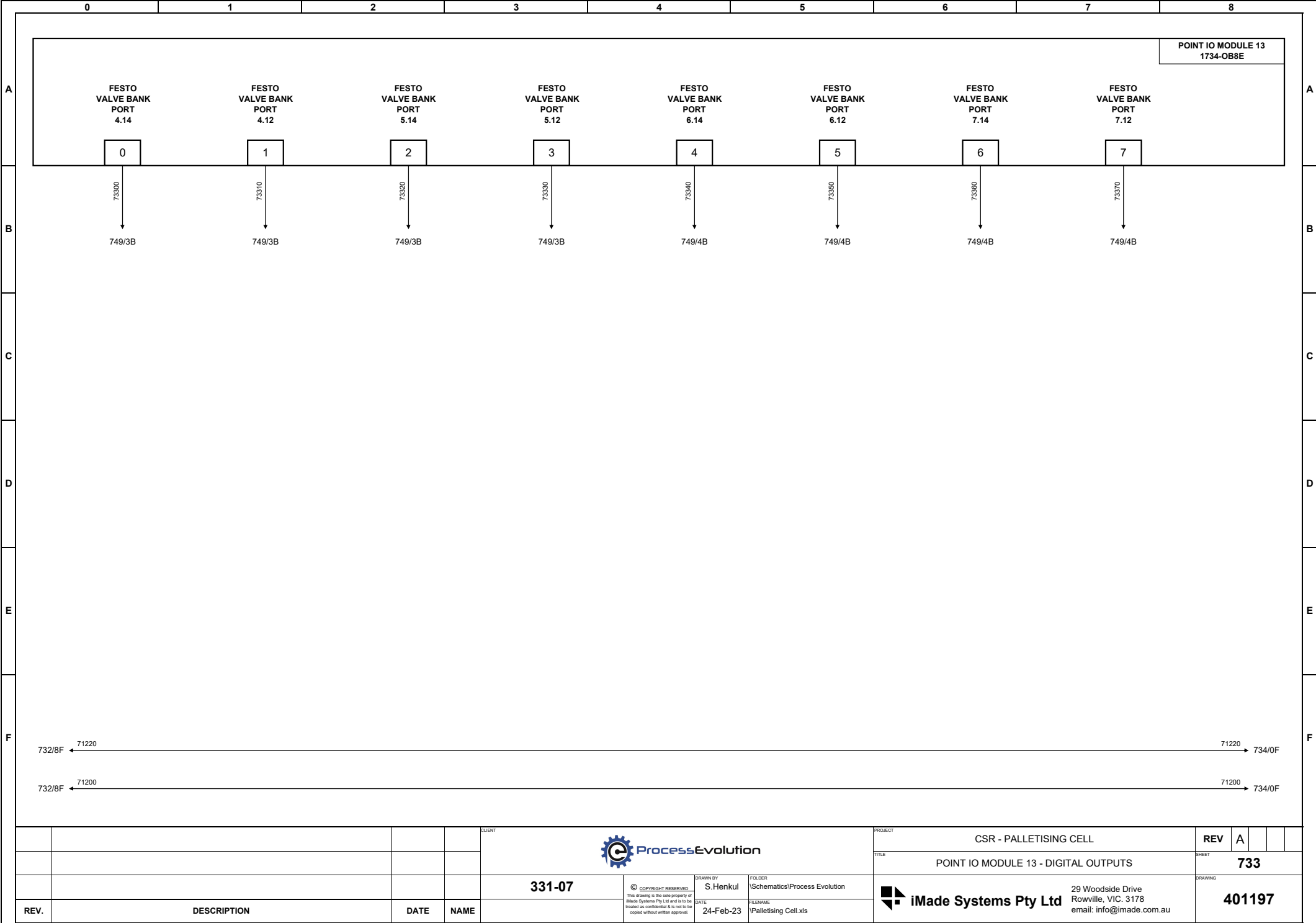


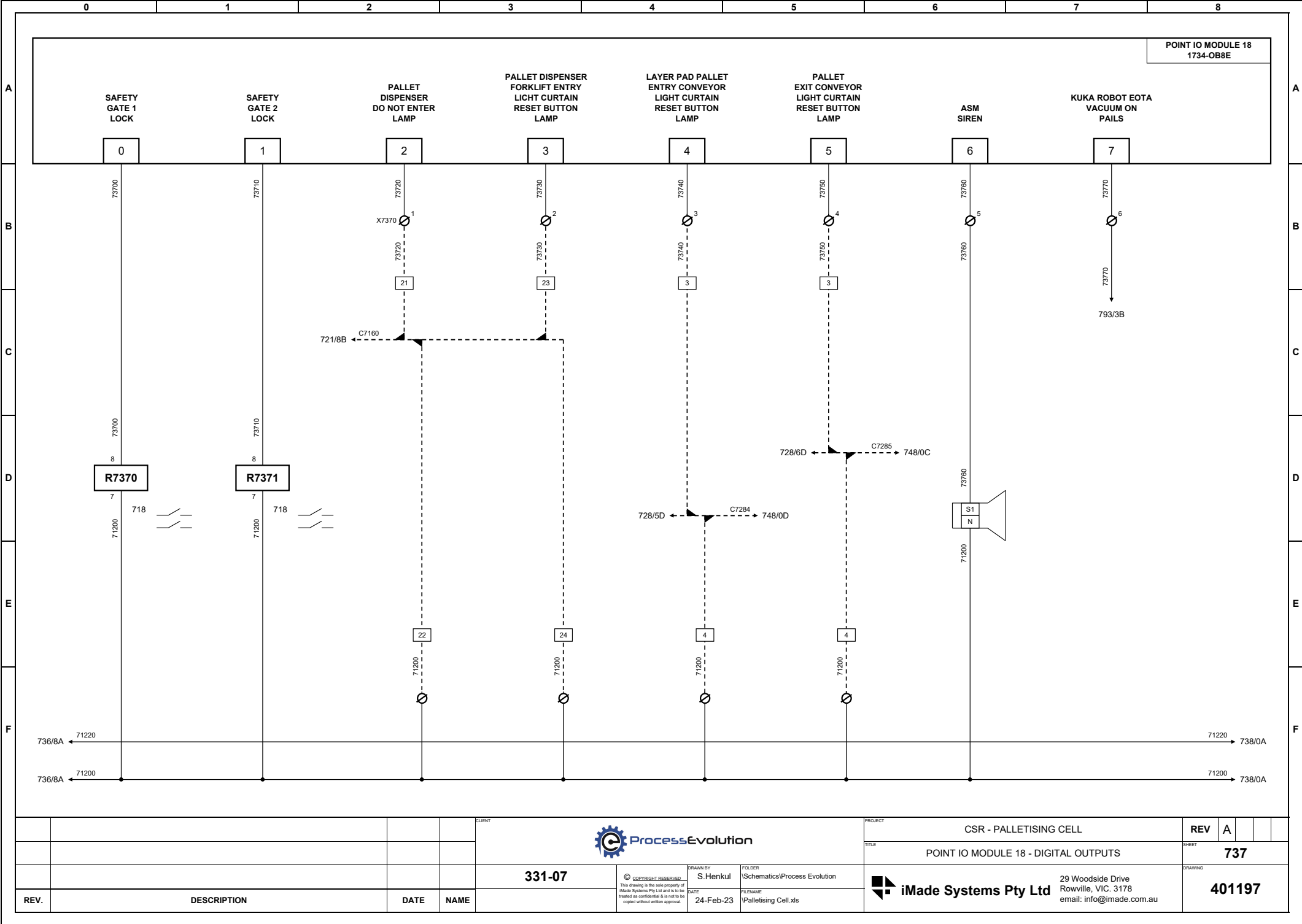












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POINT IO MODULE 18 - DIGITAL OUTPUTS

REV

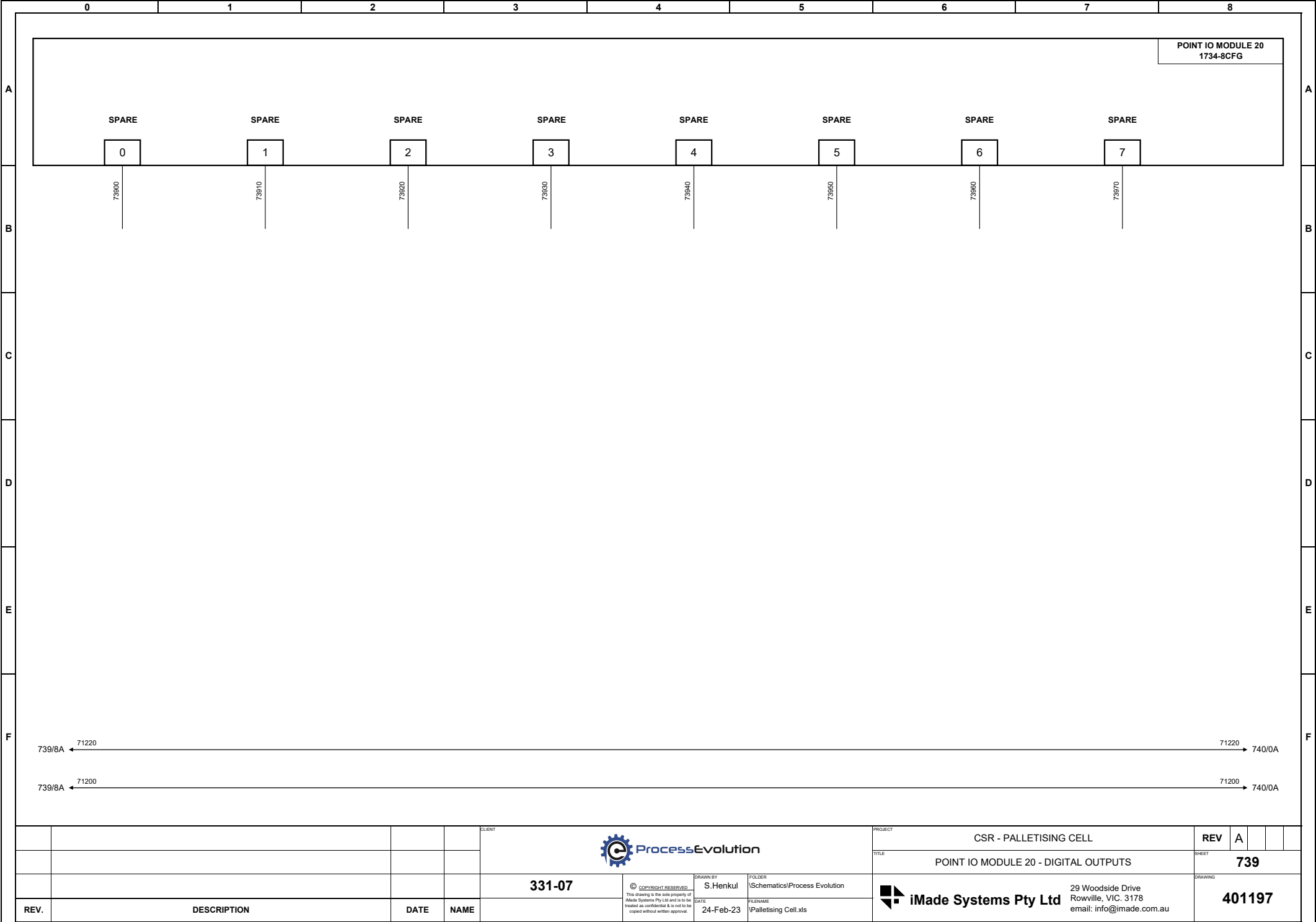
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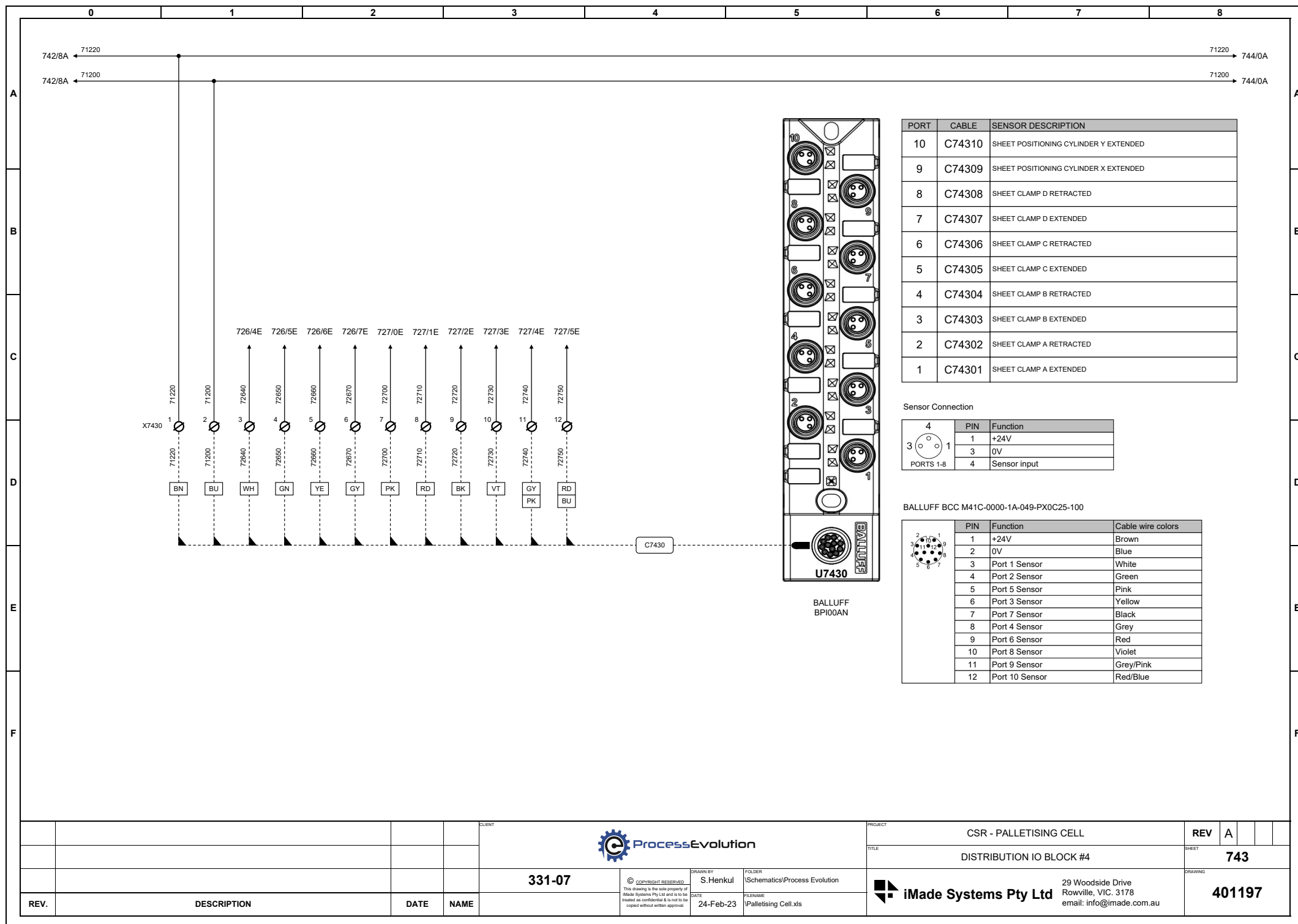
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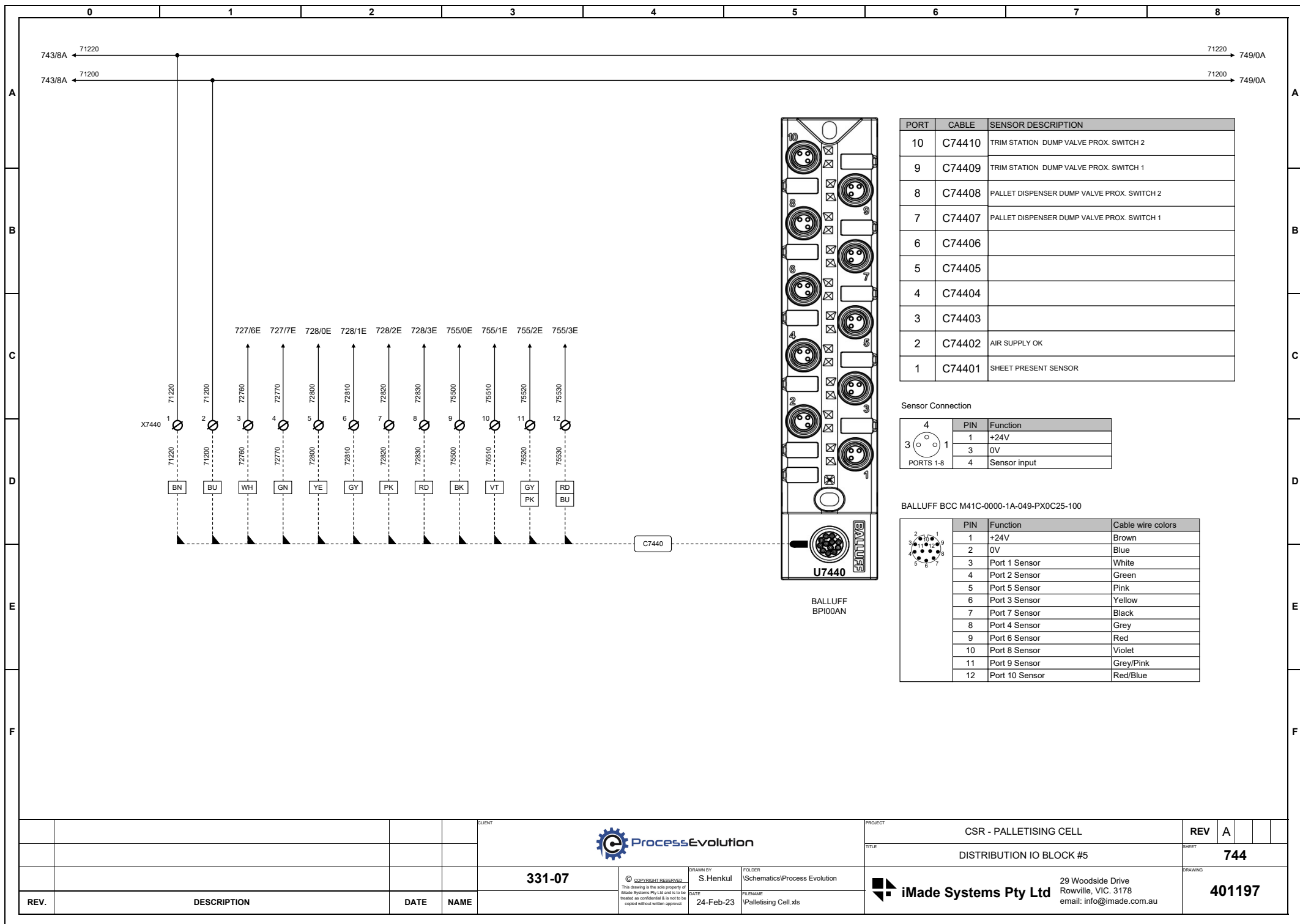
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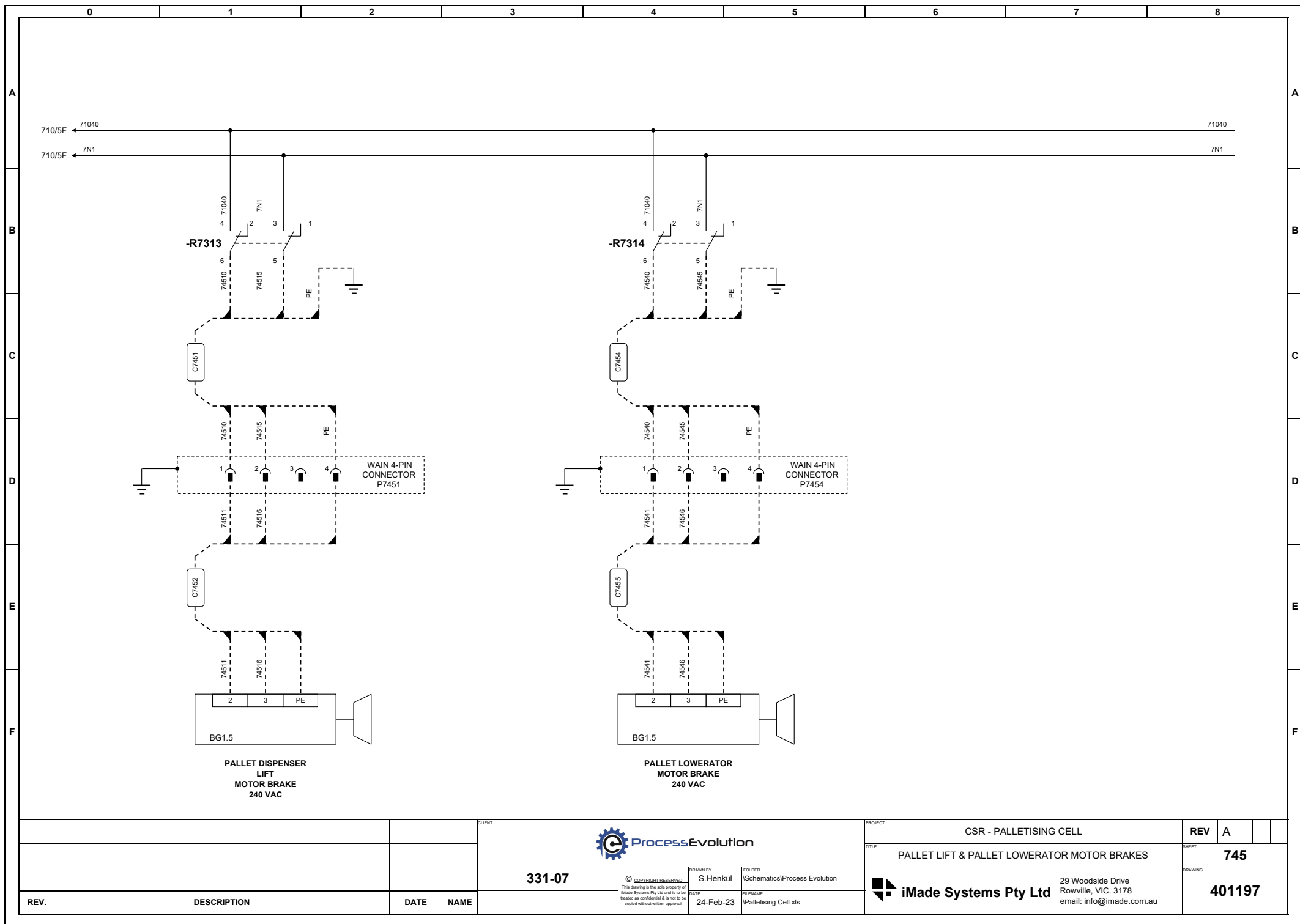
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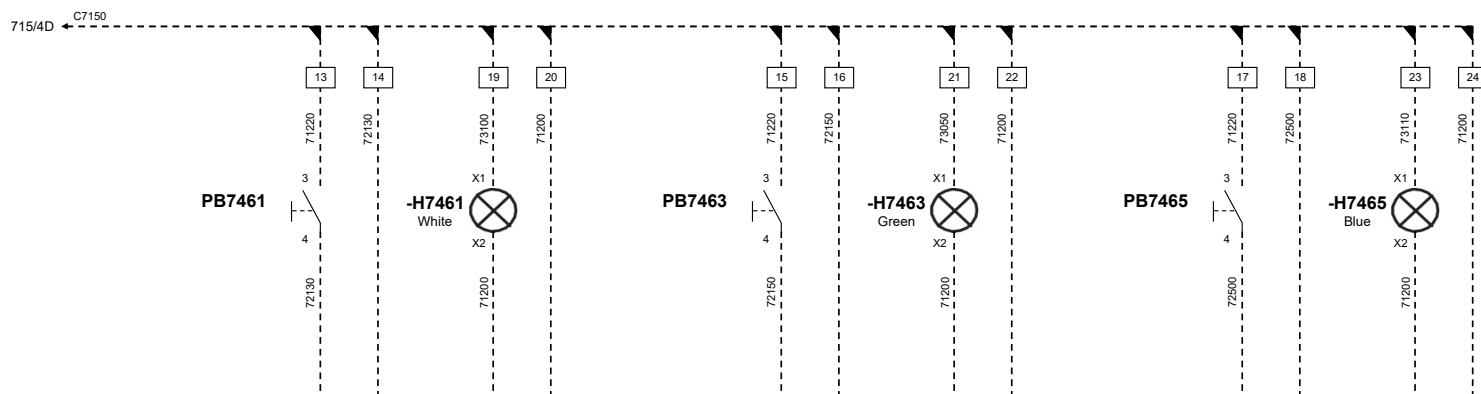


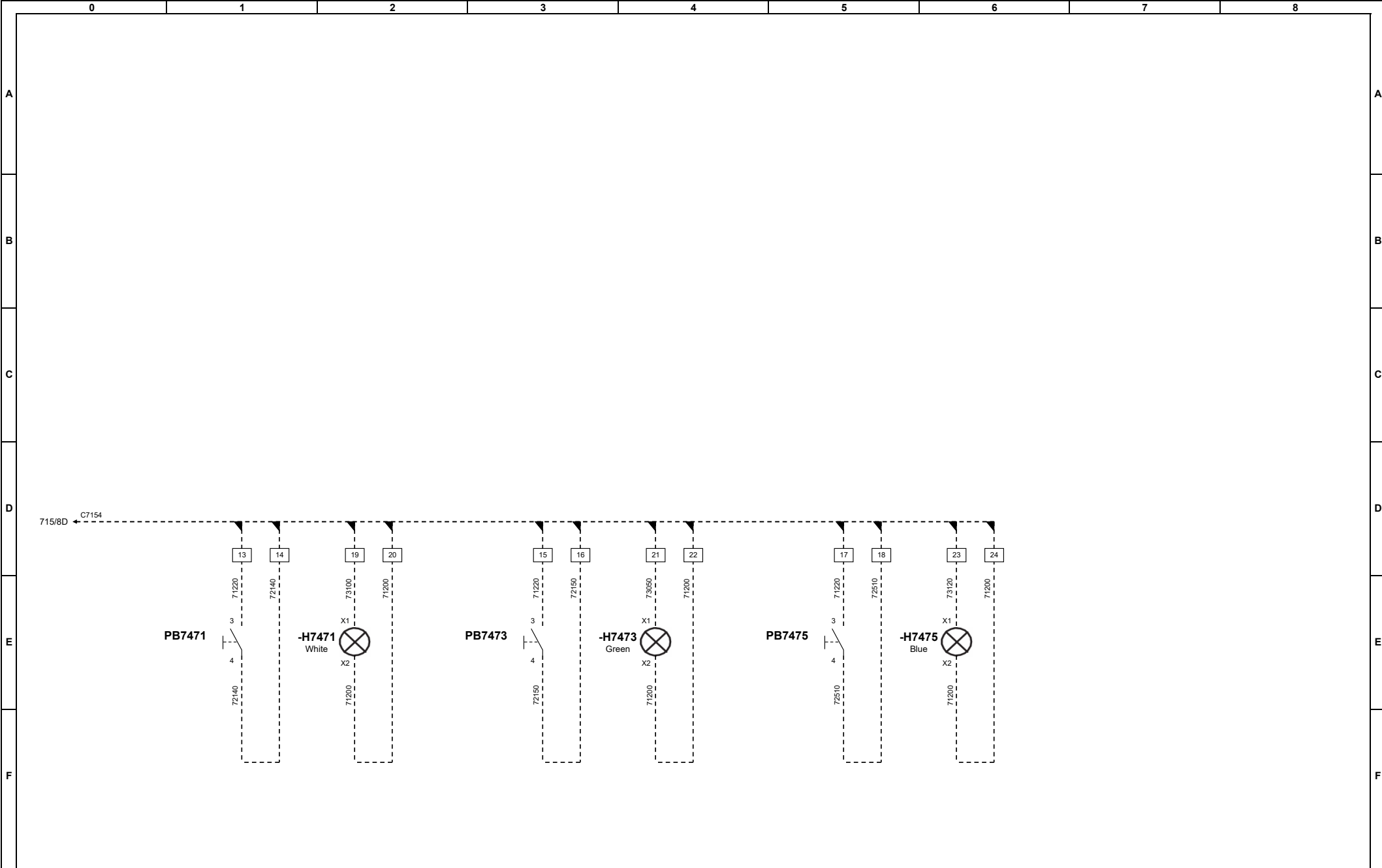





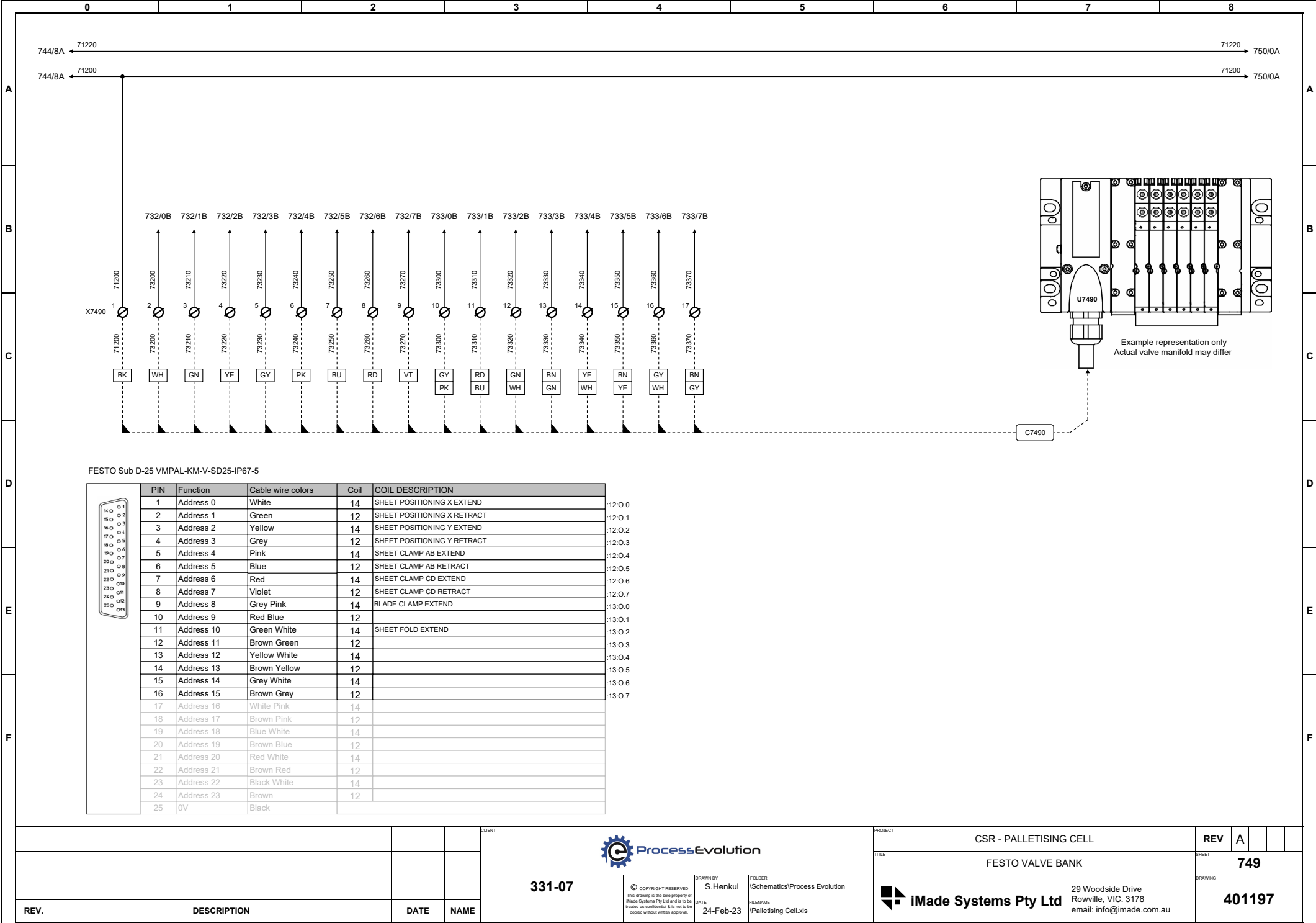


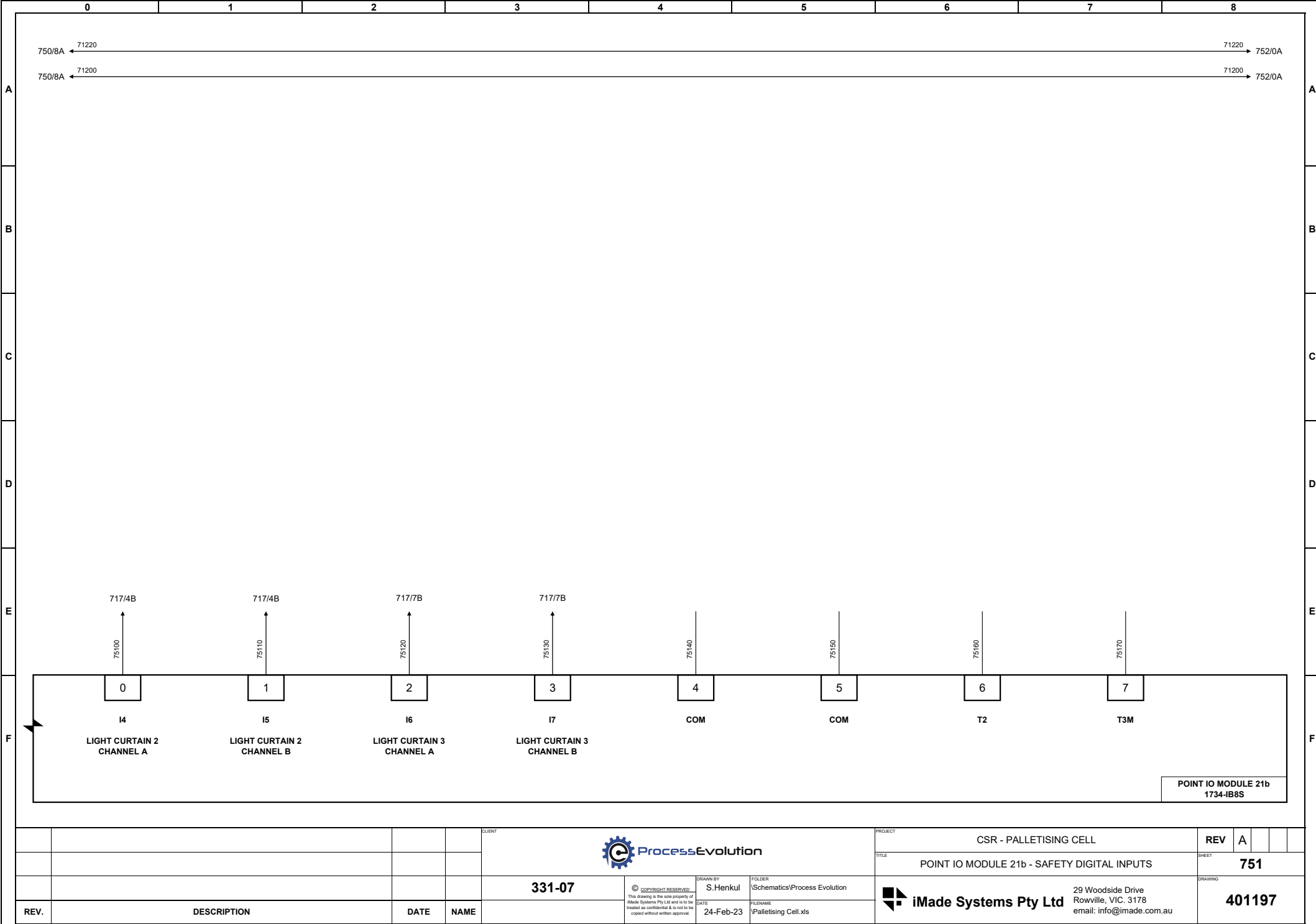
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							CSR - PALLETISING CELL			SHEET			
				331-07			SAFETY GATE 2 PUSH BUTTON STATION			747			
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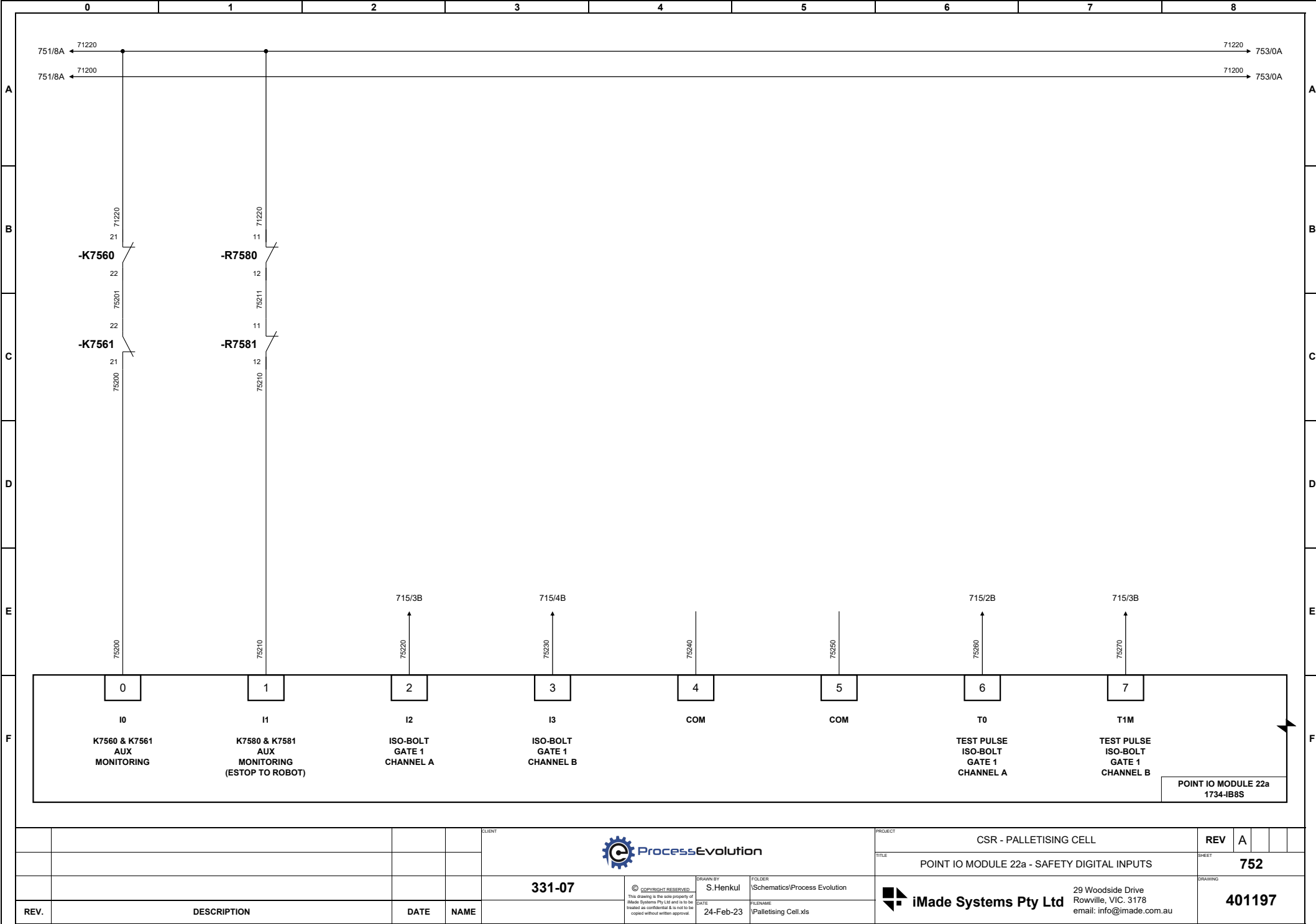
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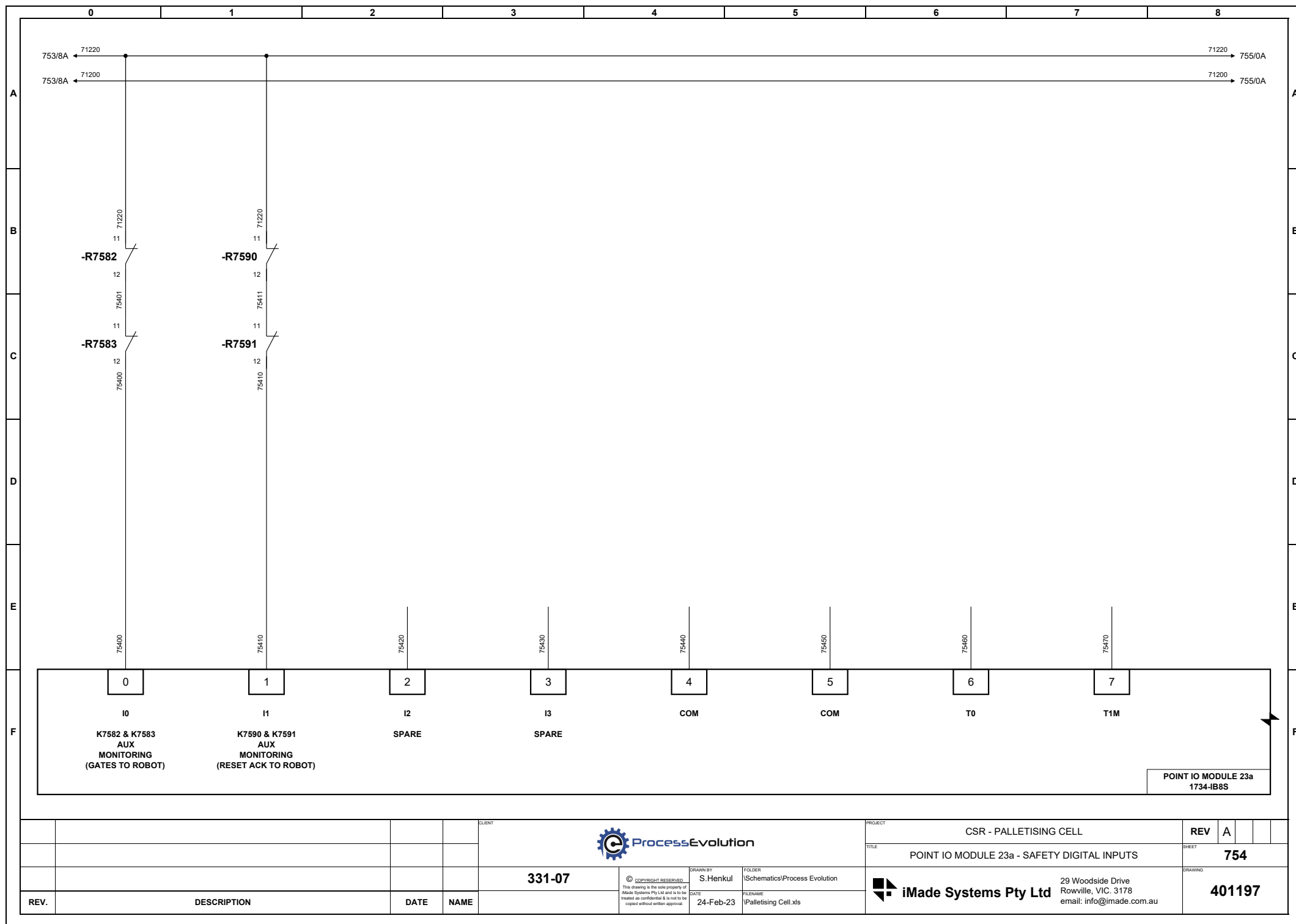
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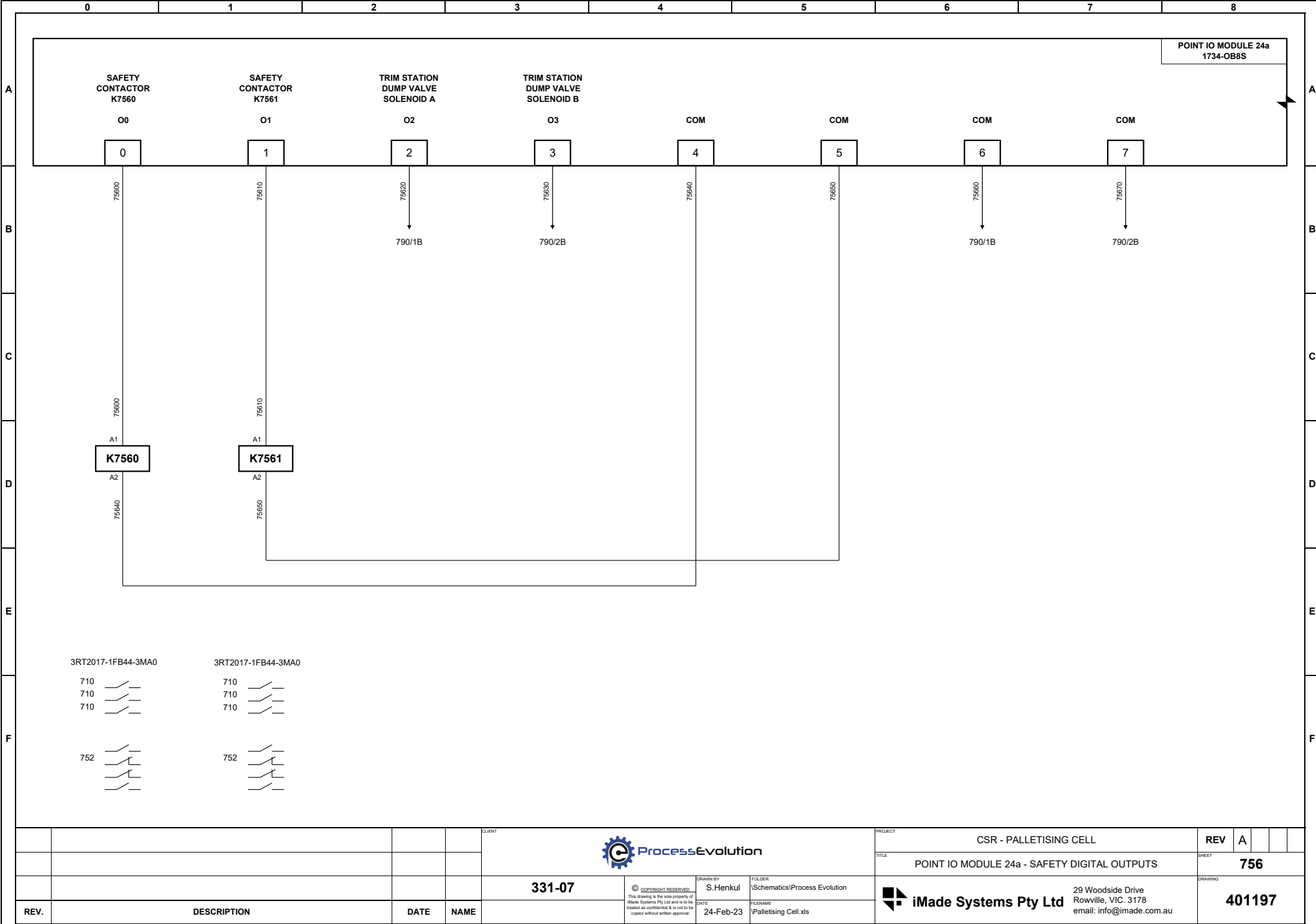


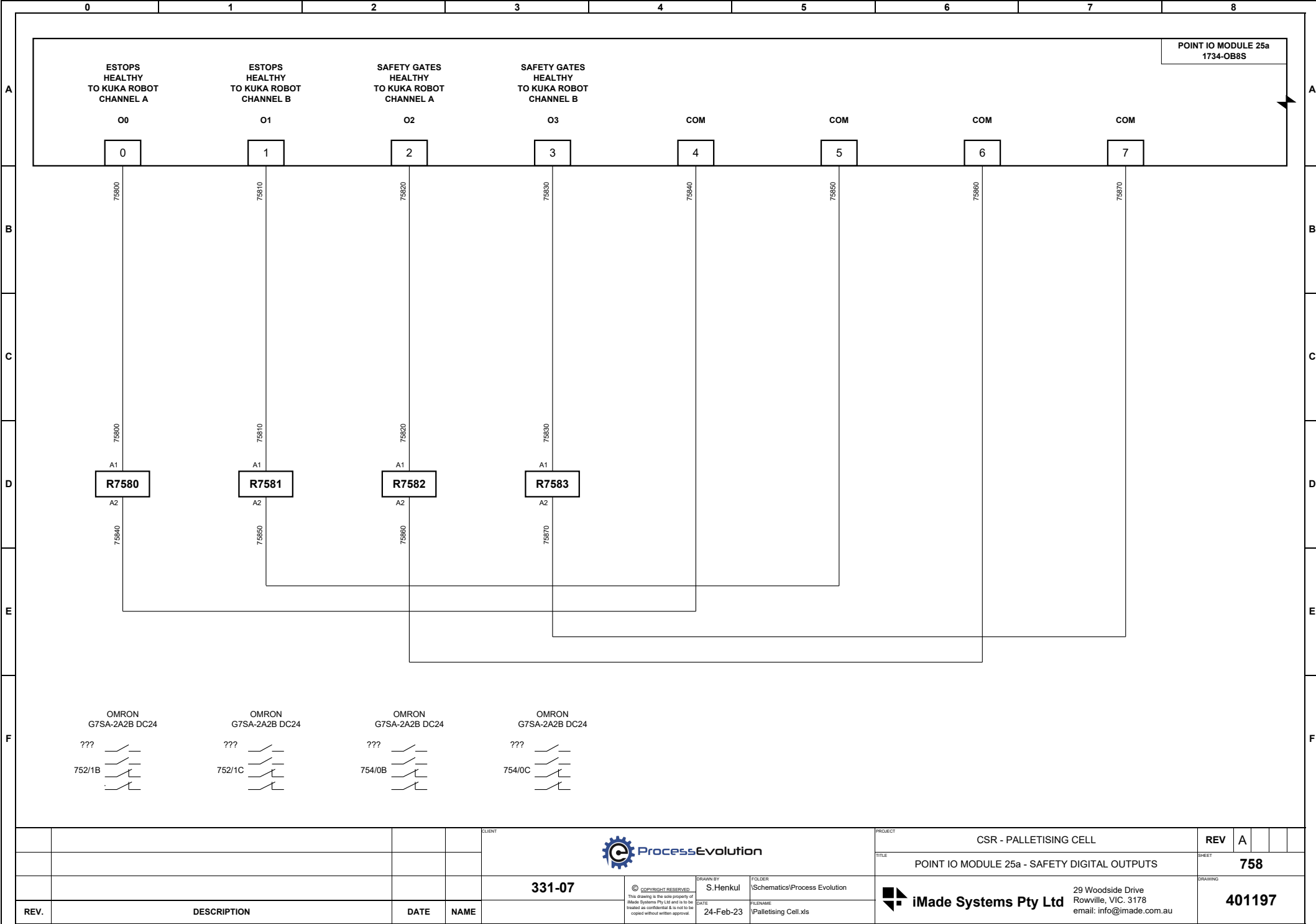
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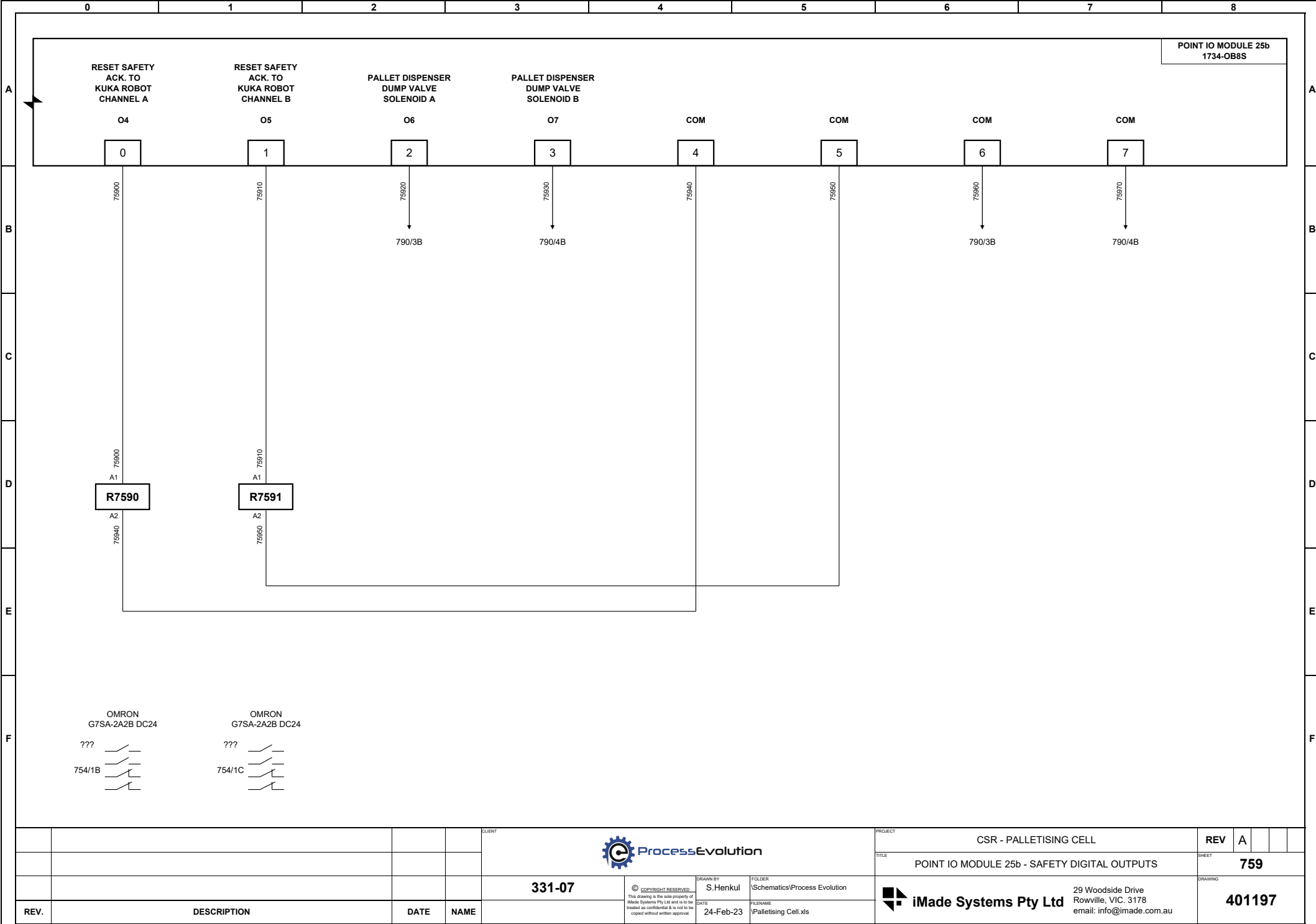
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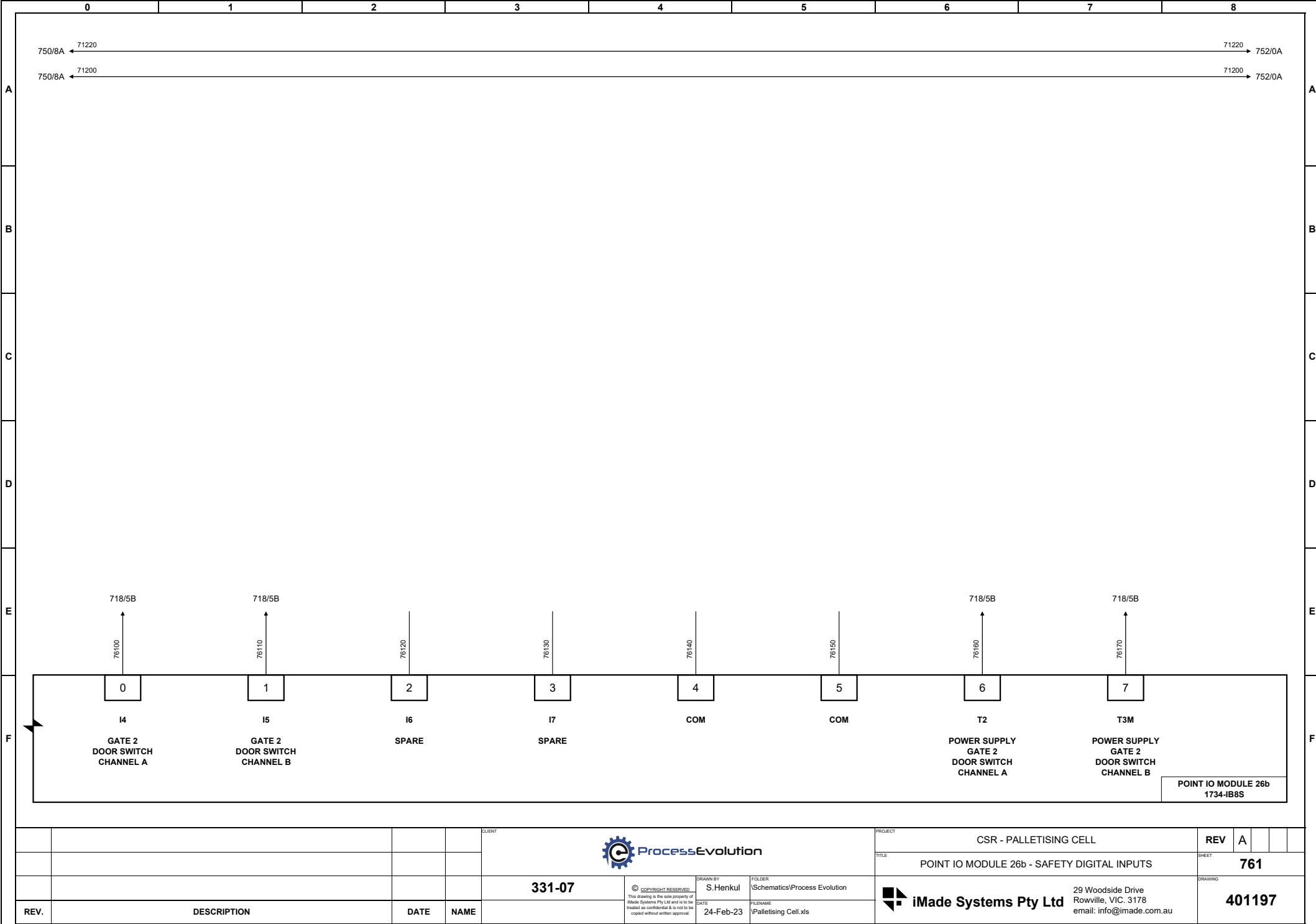
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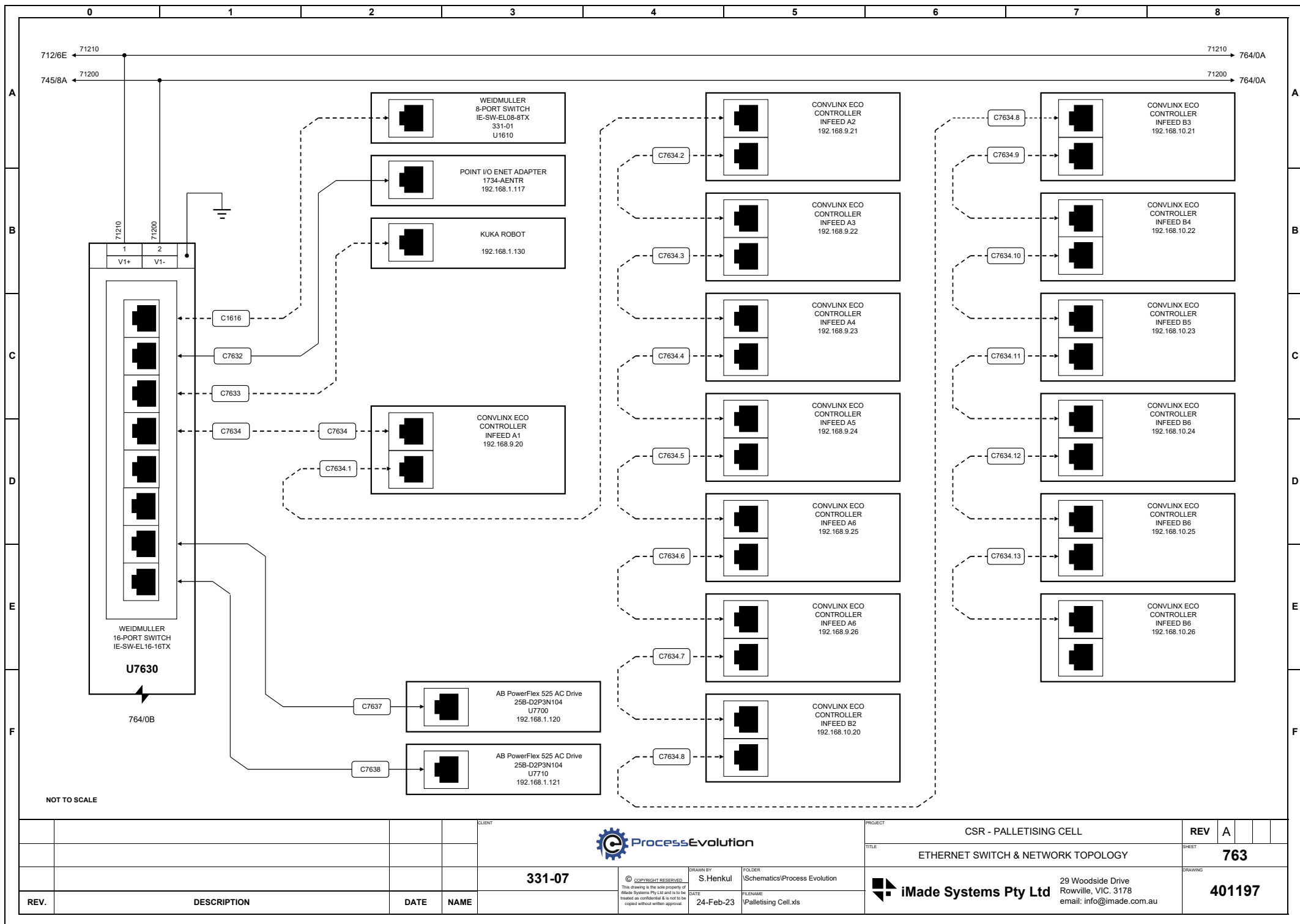




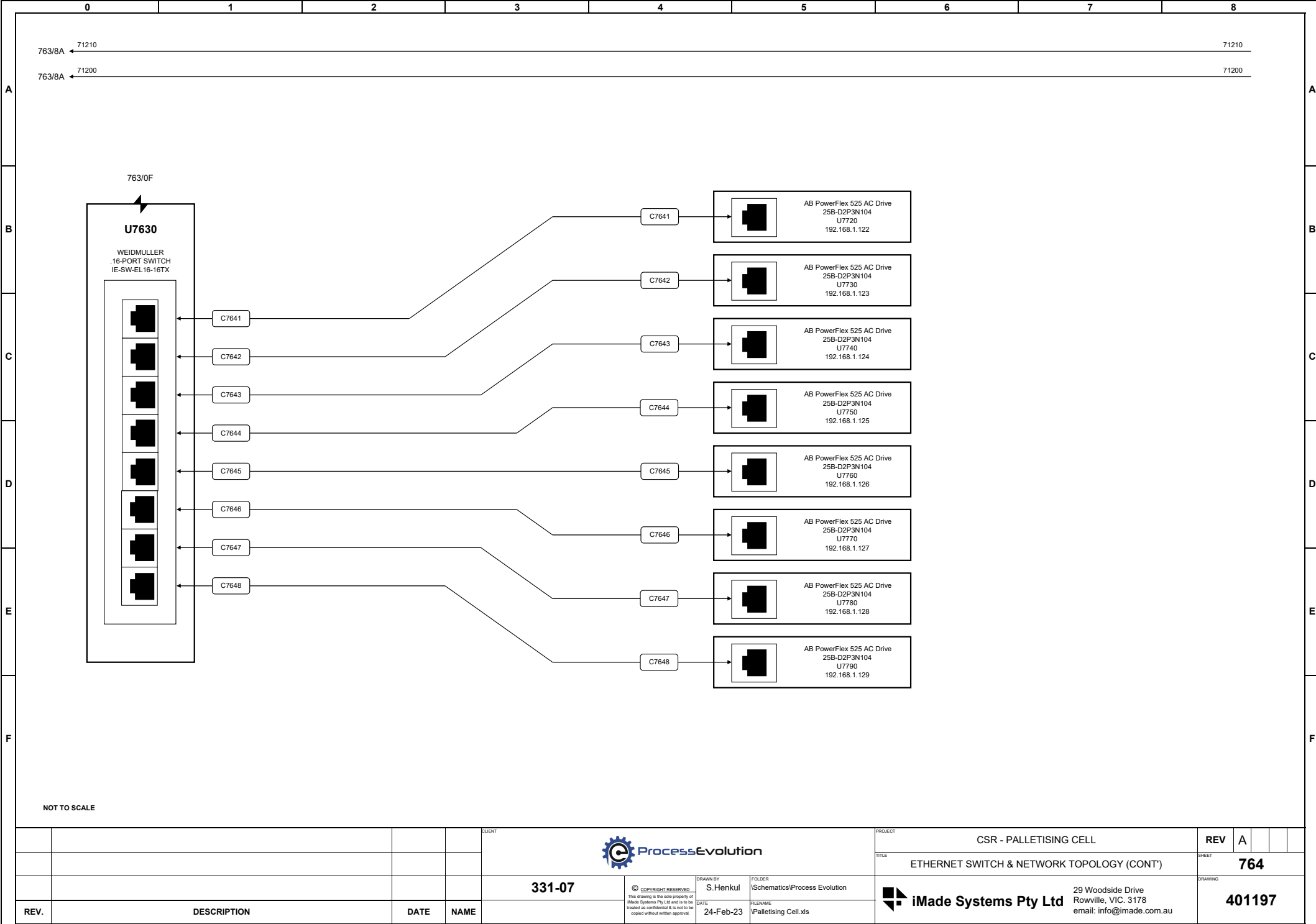


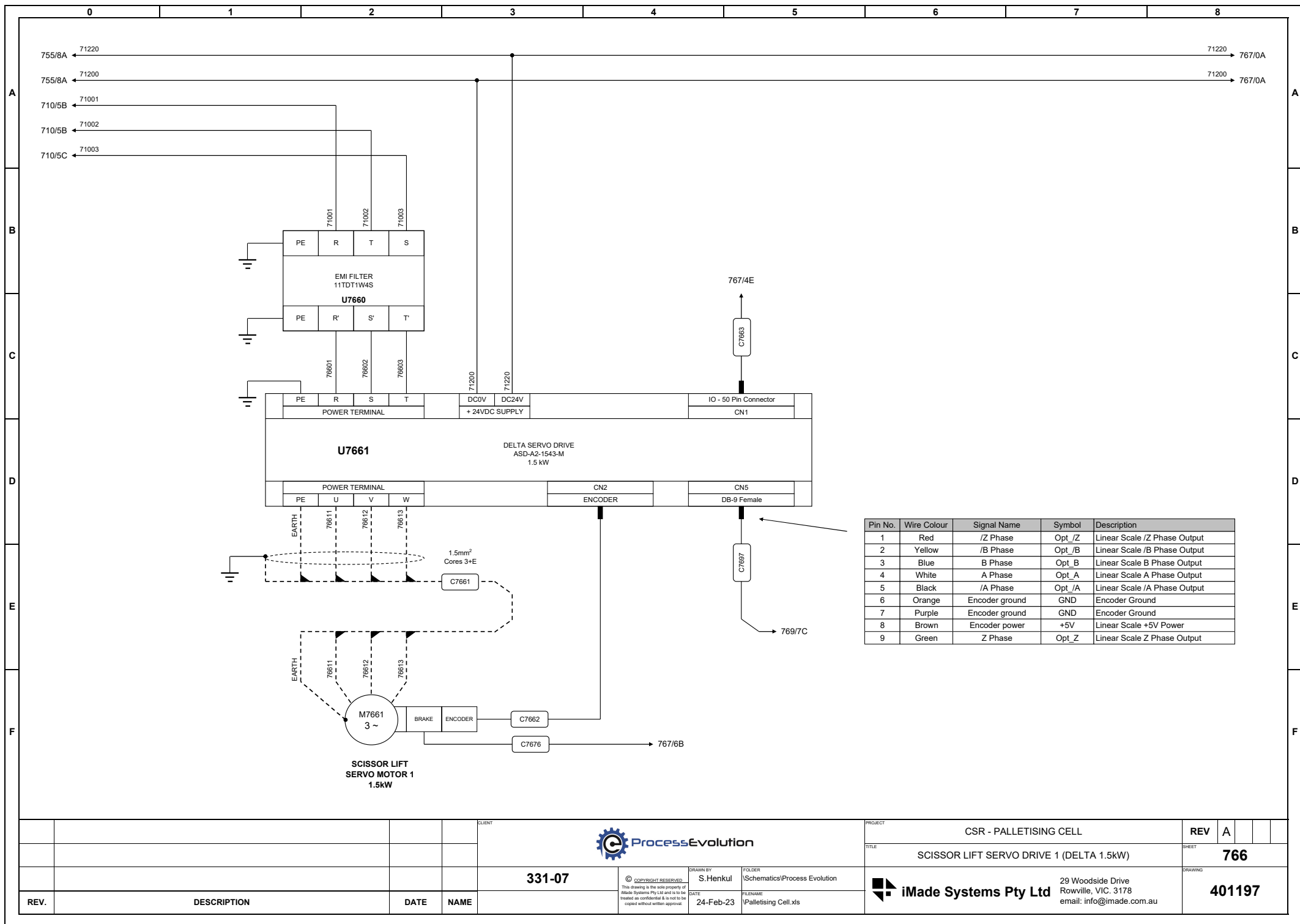






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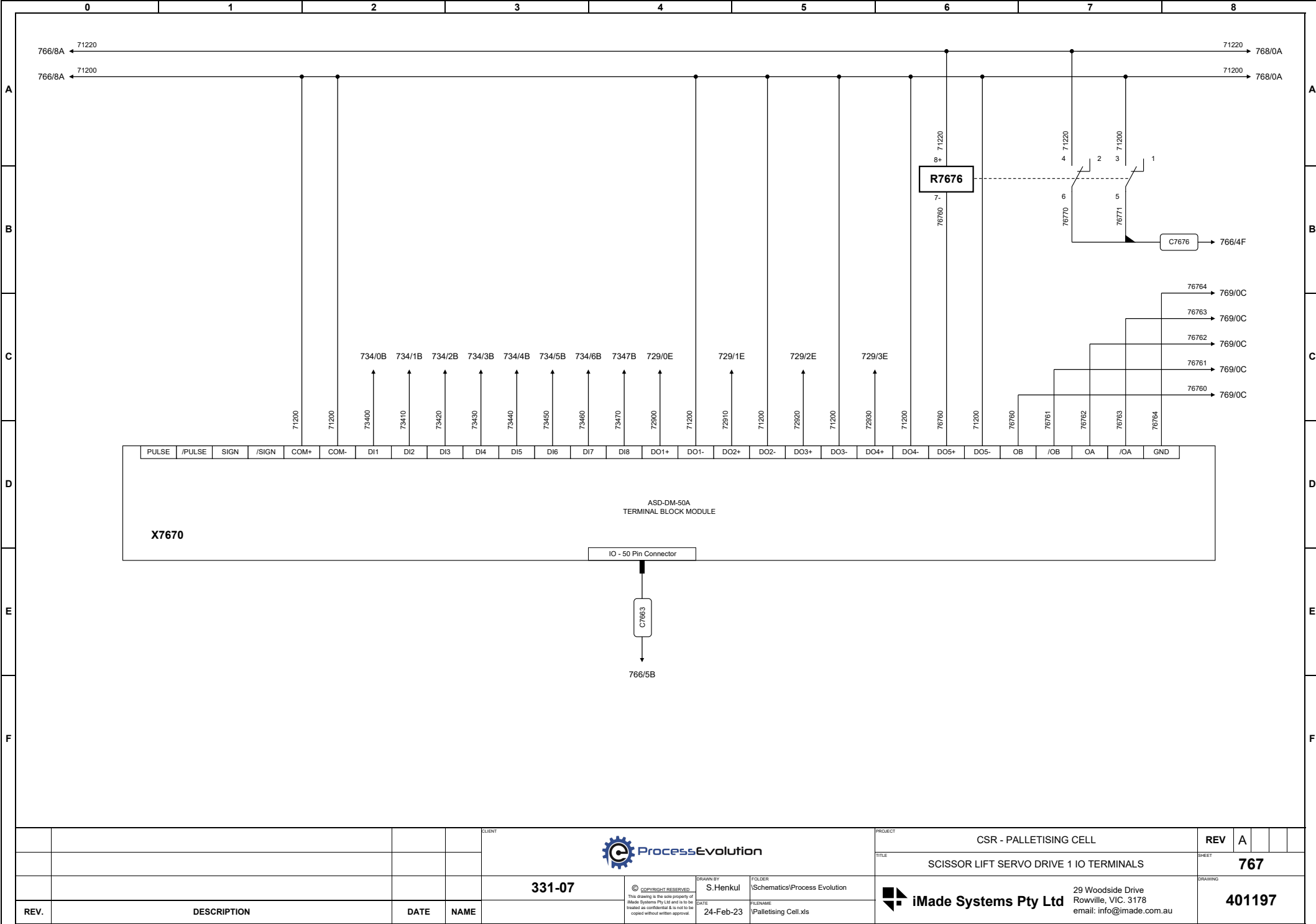
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
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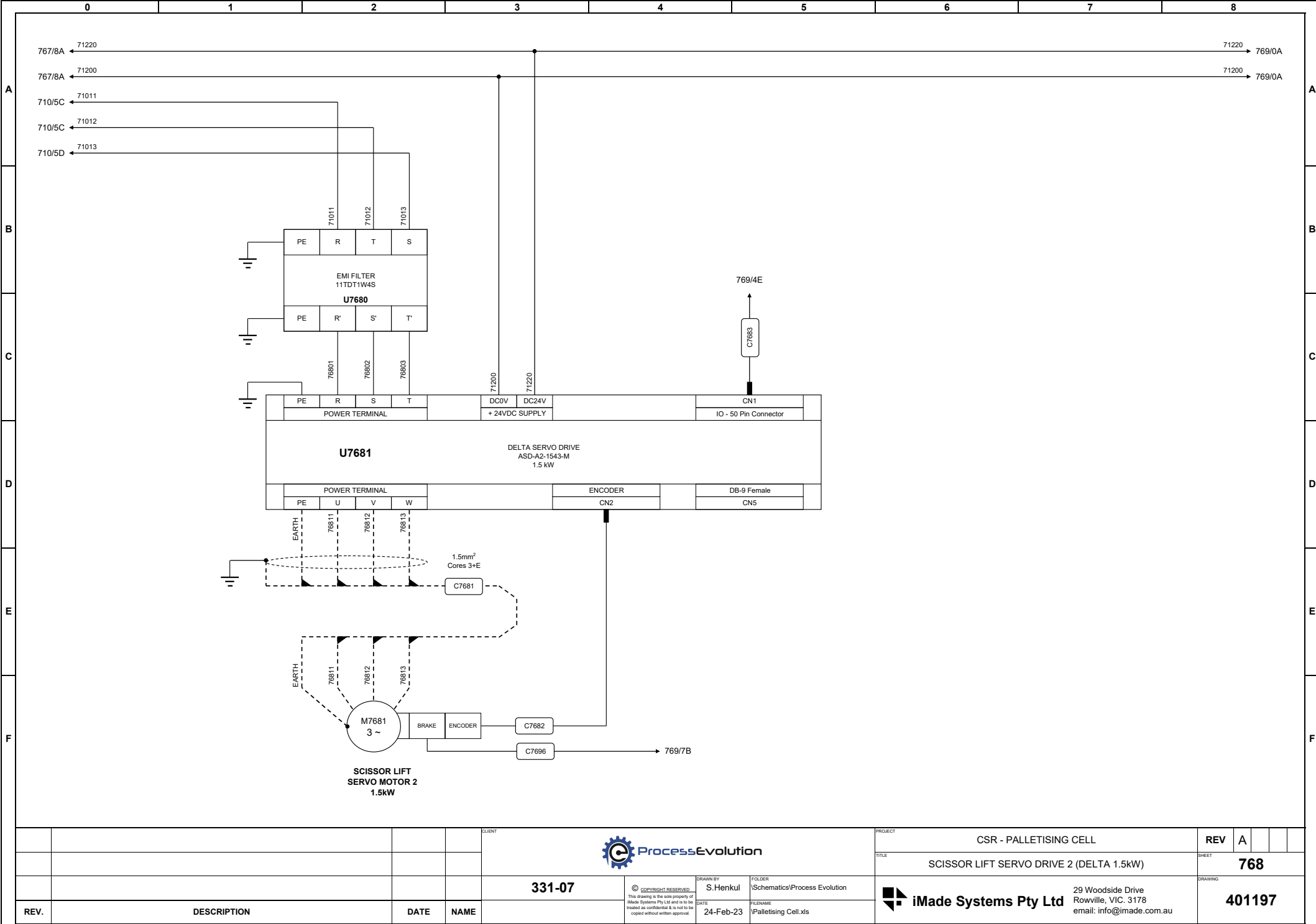
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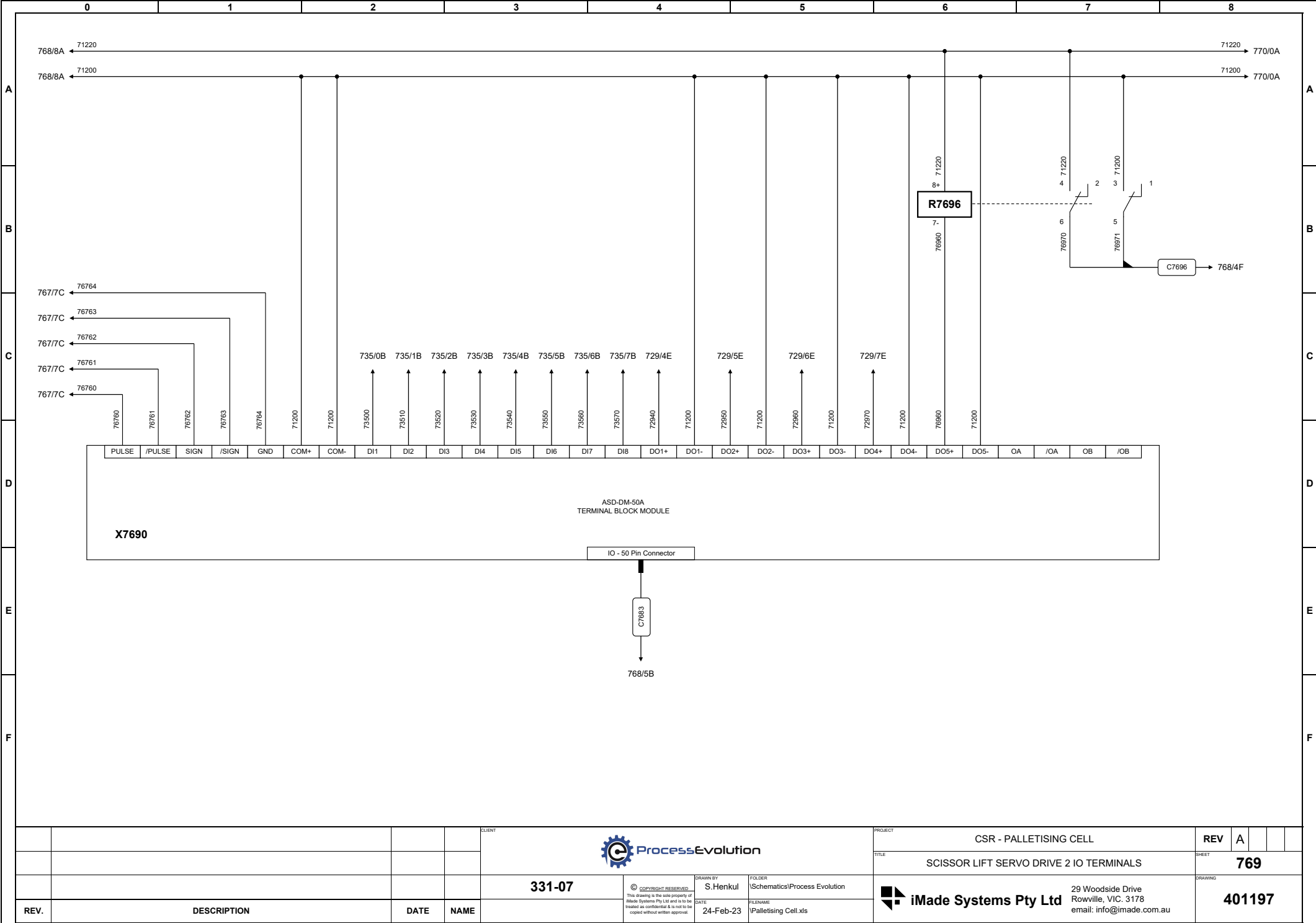
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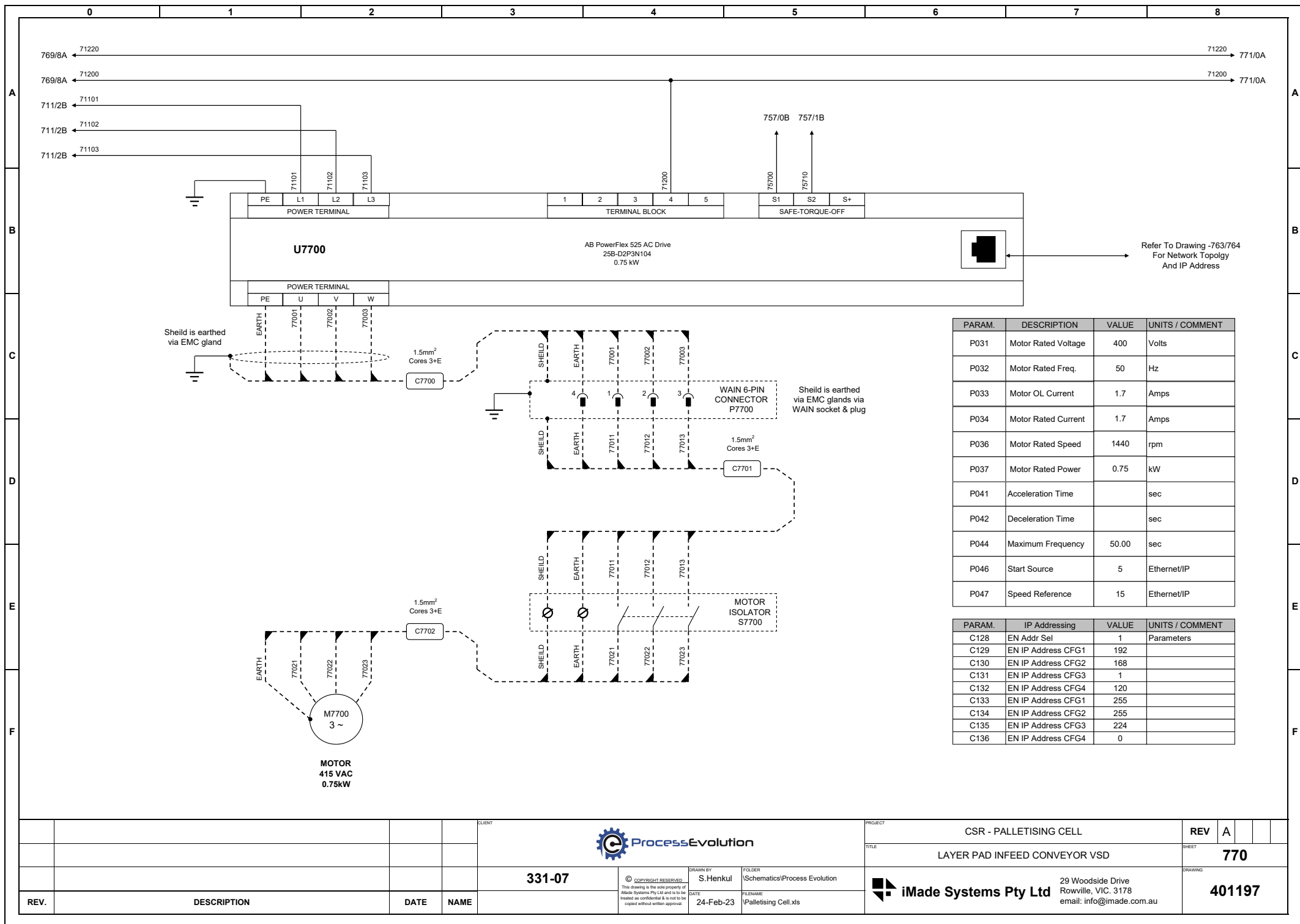
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				NAME				S.Henkul							
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								I\Schematics\Process Evolution							
								FILENAME							
								Palletising Cell.xls							



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FILENAME
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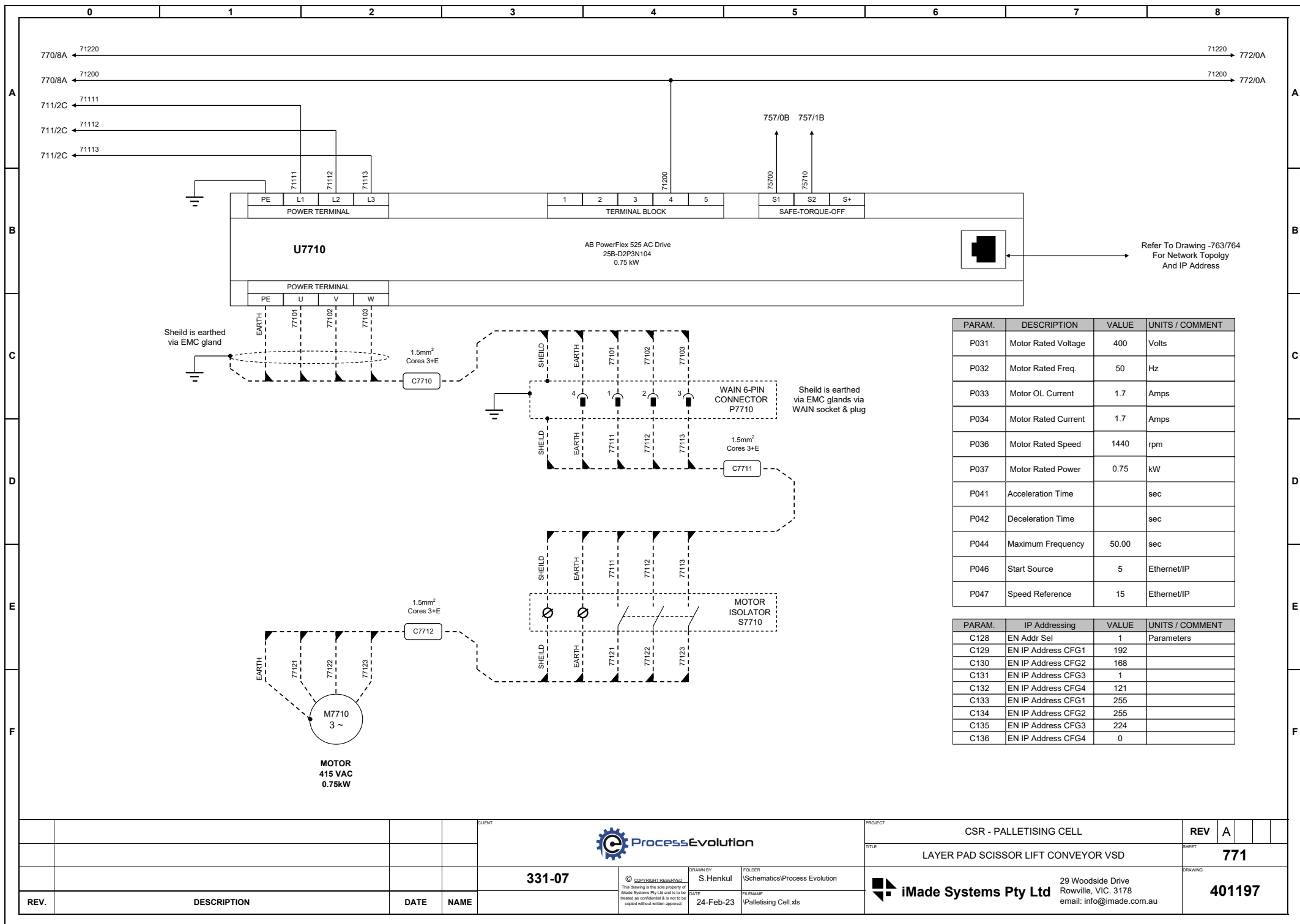
PROJECT
CSR - PALLETISING CELL

TITLE
LAYER PAD INFEEED CONVEYOR VSD

REV
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SHEET
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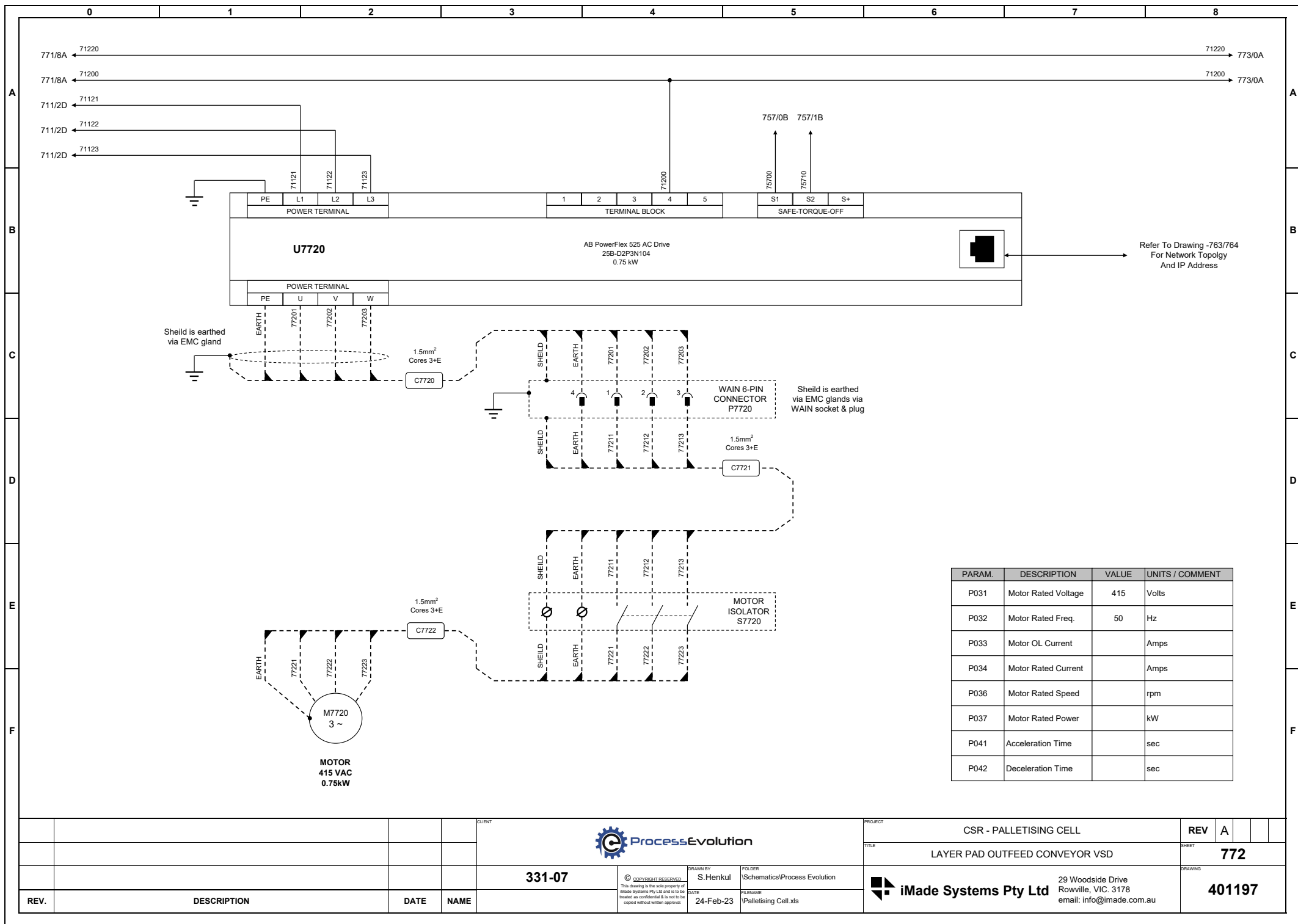
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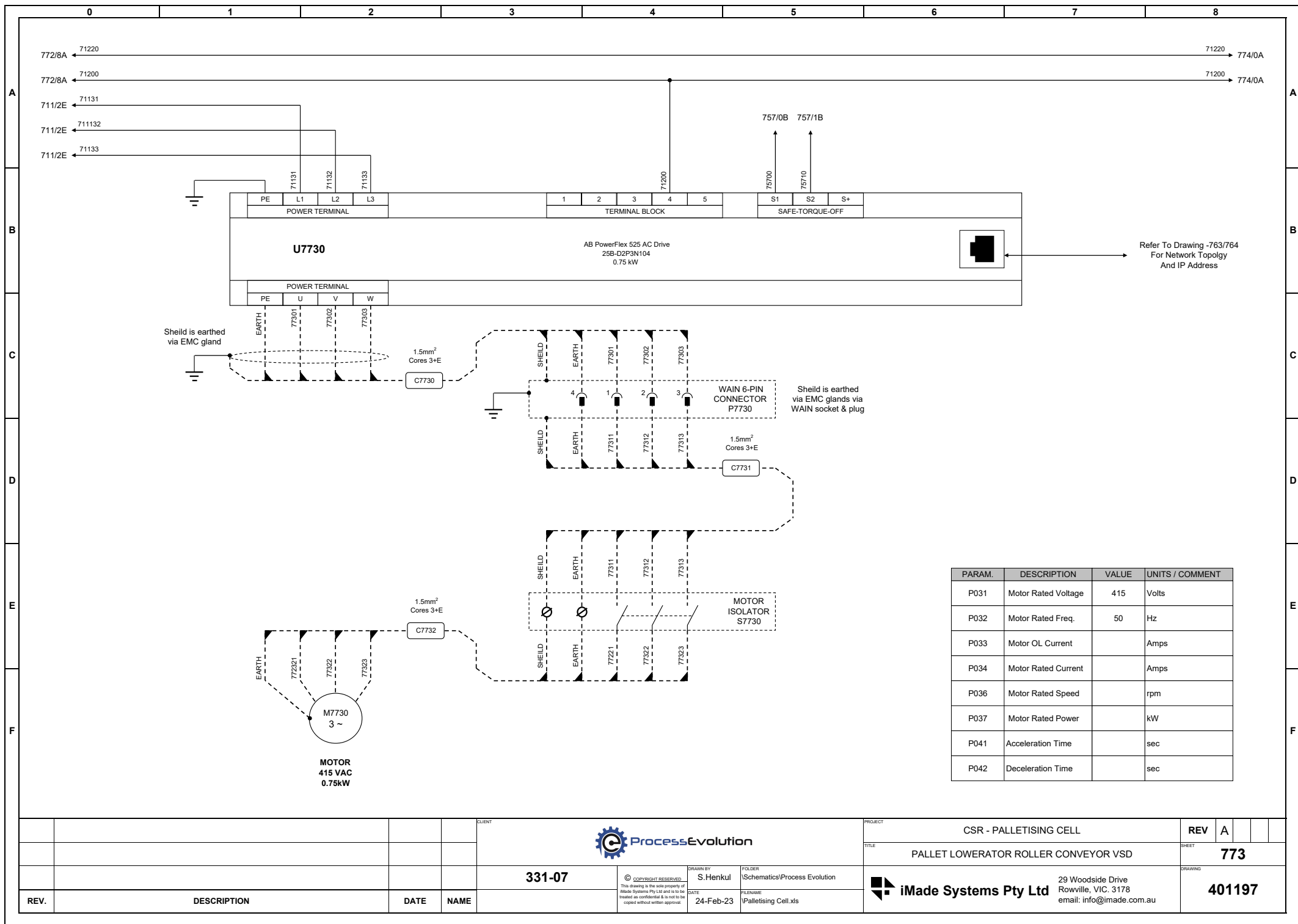
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PARAM.	DESCRIPTION	VALUE	UNITS / COMMENT
P031	Motor Rated Voltage	415	Volts
P032	Motor Rated Freq.	50	Hz
P033	Motor OL Current		Amps
P034	Motor Rated Current		Amps
P036	Motor Rated Speed		rpm
P037	Motor Rated Power		kW
P041	Acceleration Time		sec
P042	Deceleration Time		sec

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				331-07		CSR - PALLETISING CELL		TITLE		772	
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REV.				DATE		24-Feb-23		FILENAME IPalletising Cell.xls		iMade Systems Pty Ltd 29 Woodside Drive Rowville, VIC. 3178 email: info@imade.com.au	
DESCRIPTION				NAME						401197	



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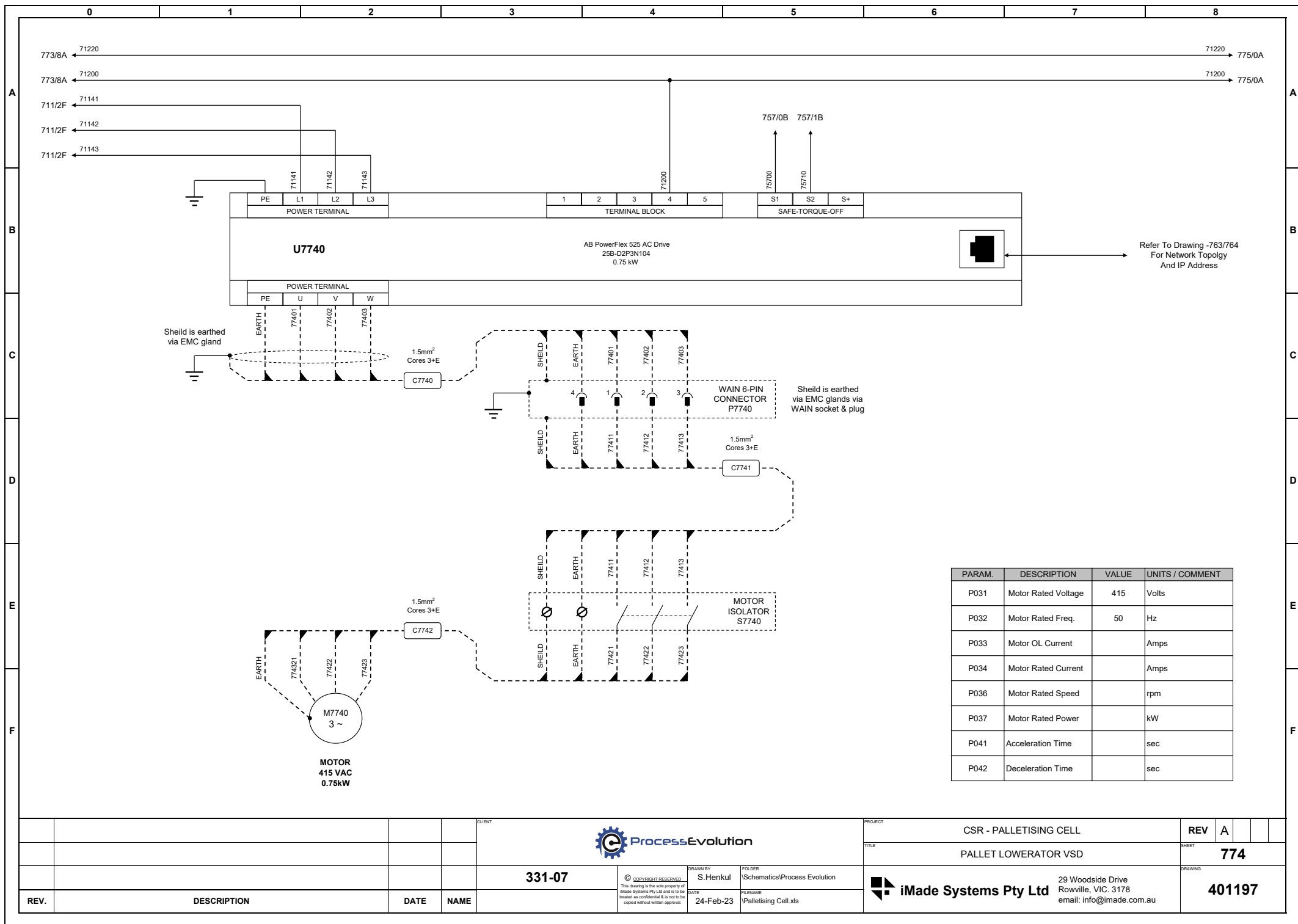
PROJECT
CSR - PALLETISING CELL

TITLE
PALLET LOWERATOR ROLLER CONVEYOR VSD

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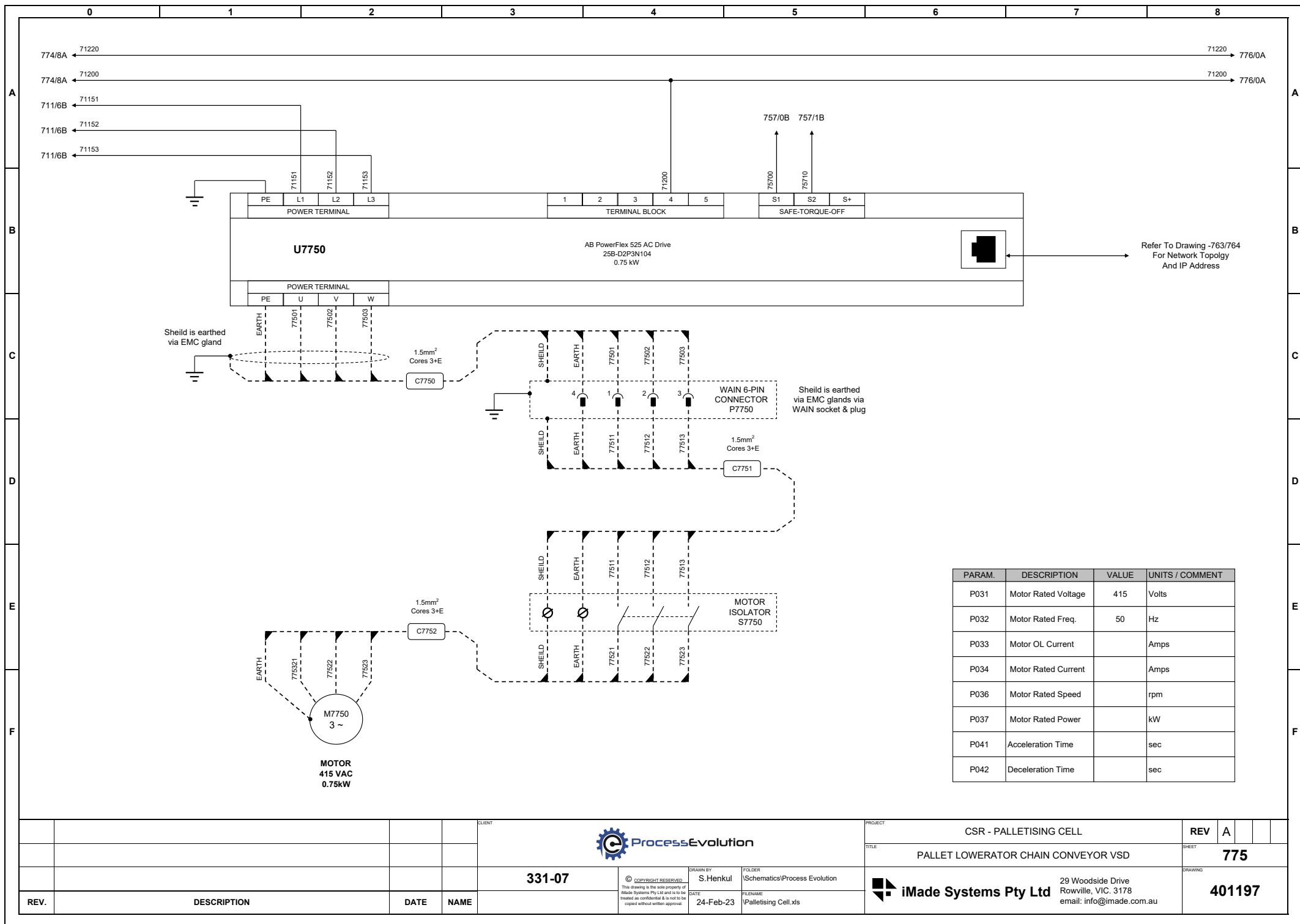
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CSR - PALLETISING CELL

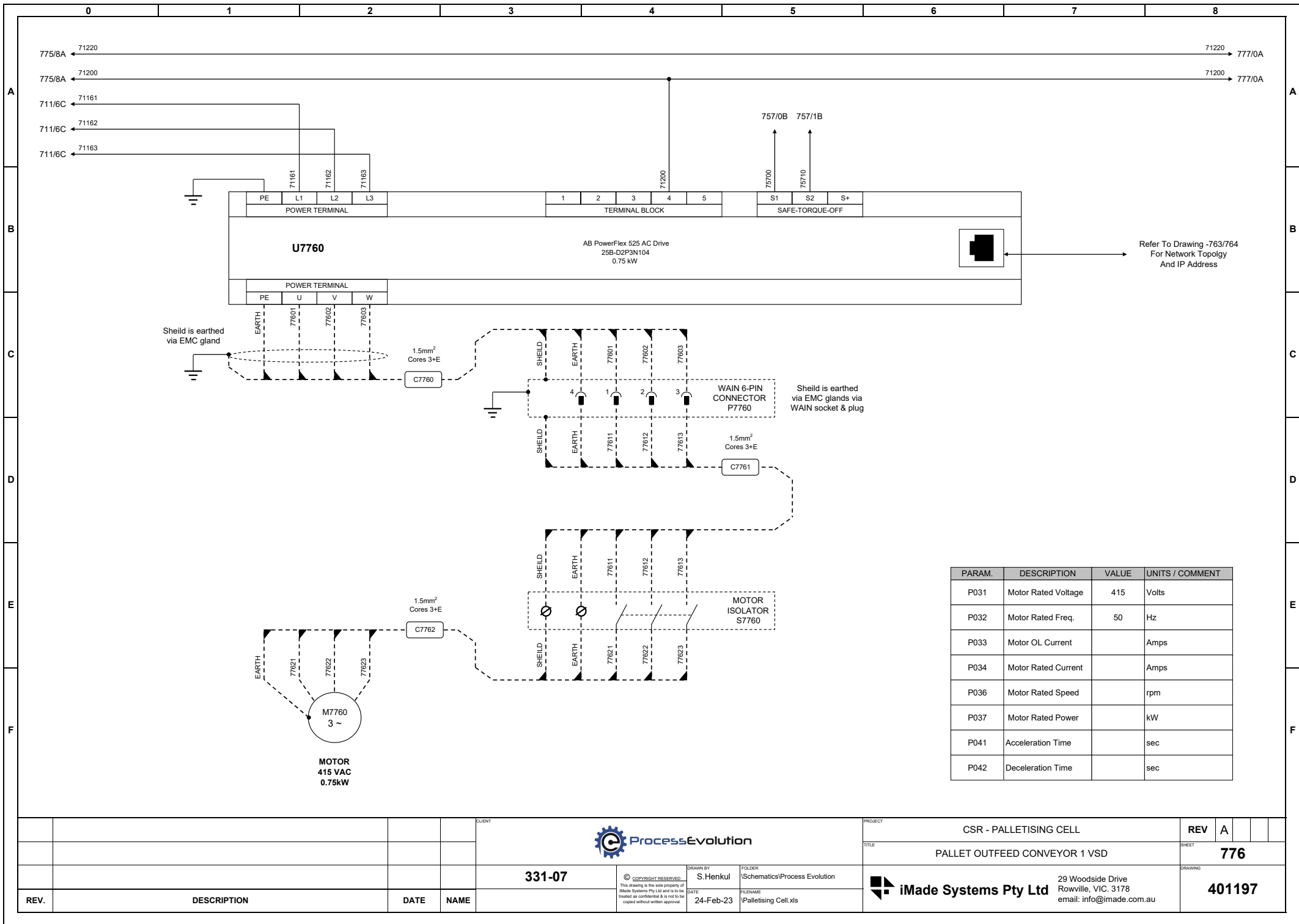
TITLE
PALLET LOWERATOR VSD

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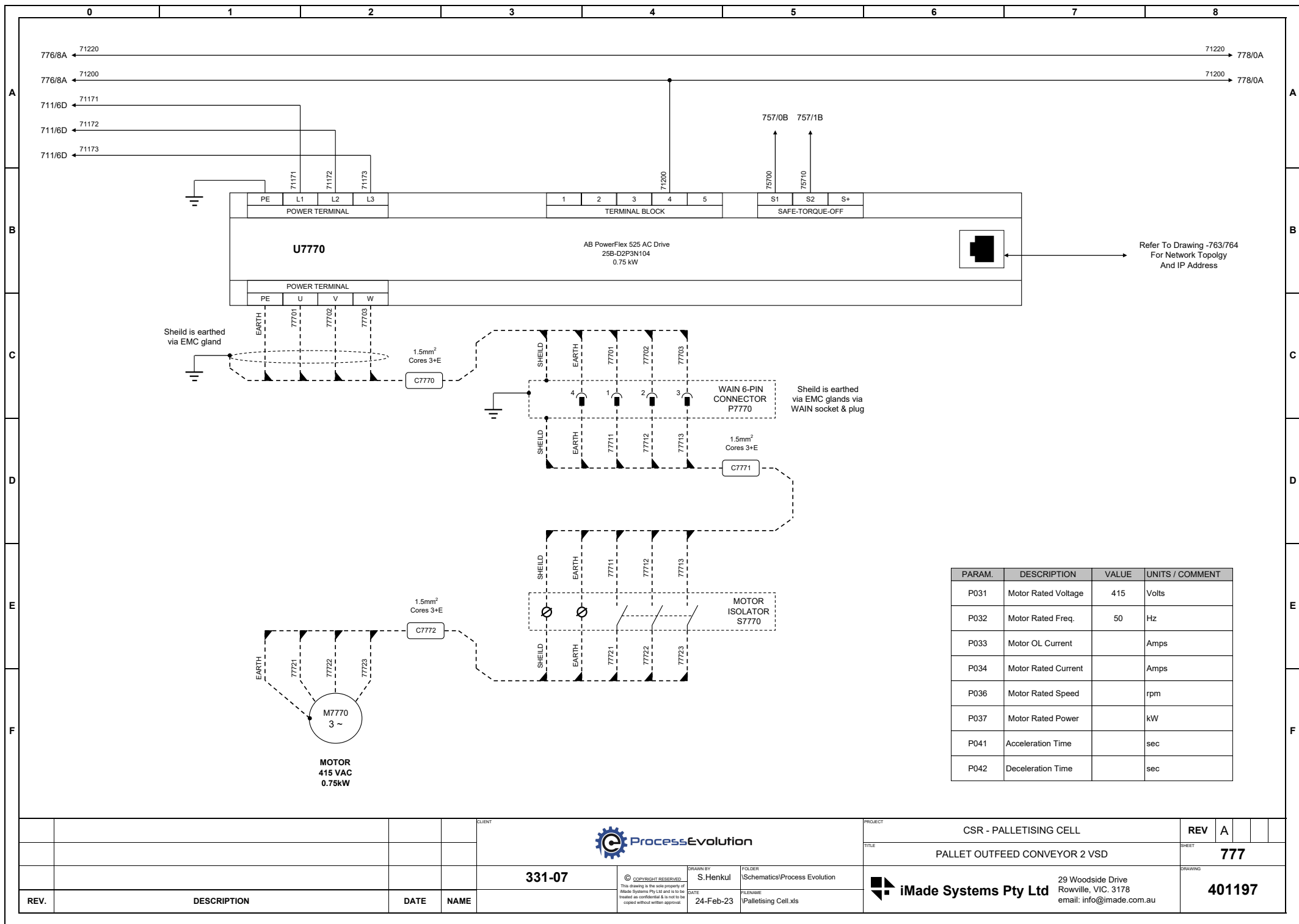
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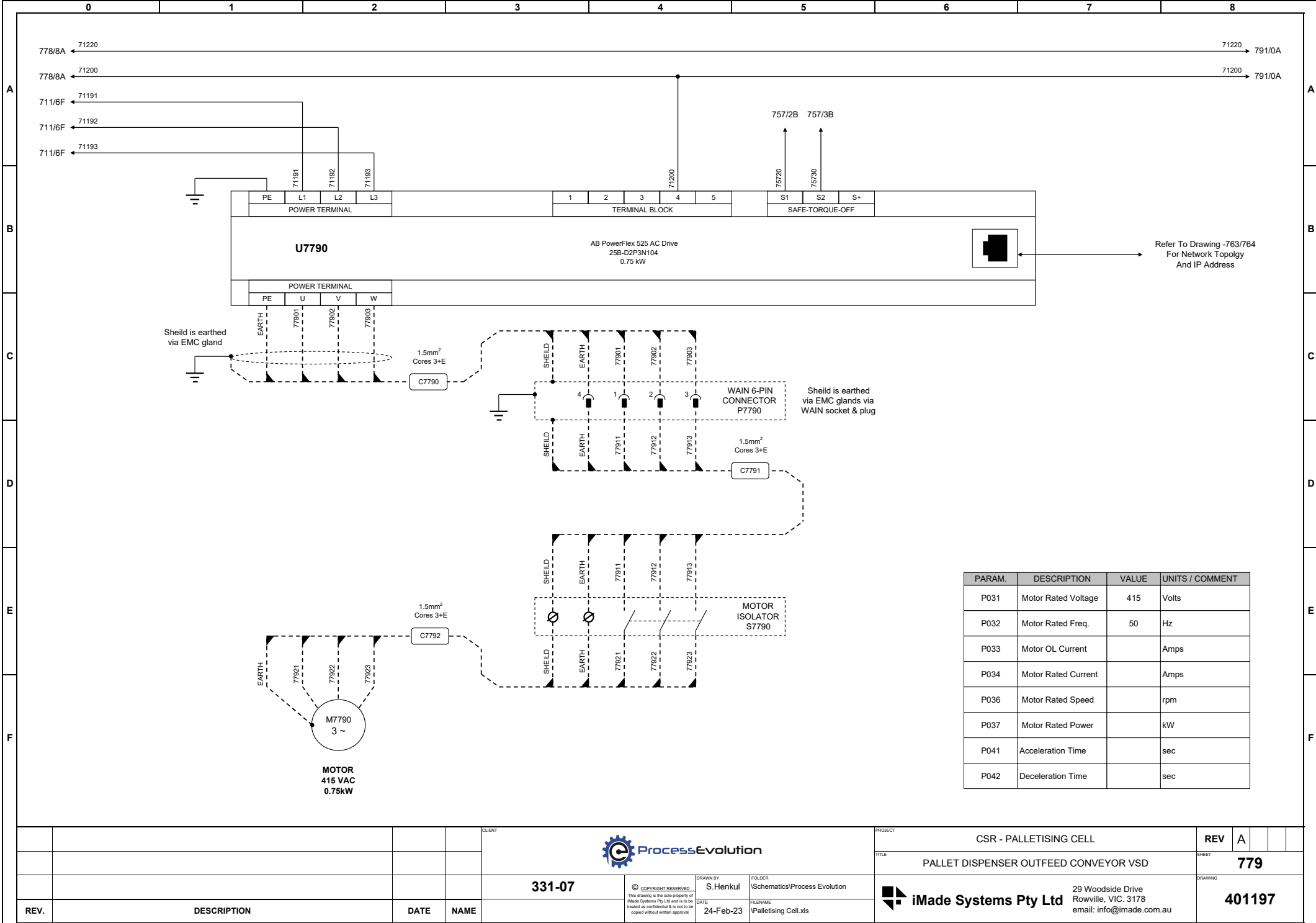
TITLE
PALLET OUTFEED CONVEYOR 1 VSD

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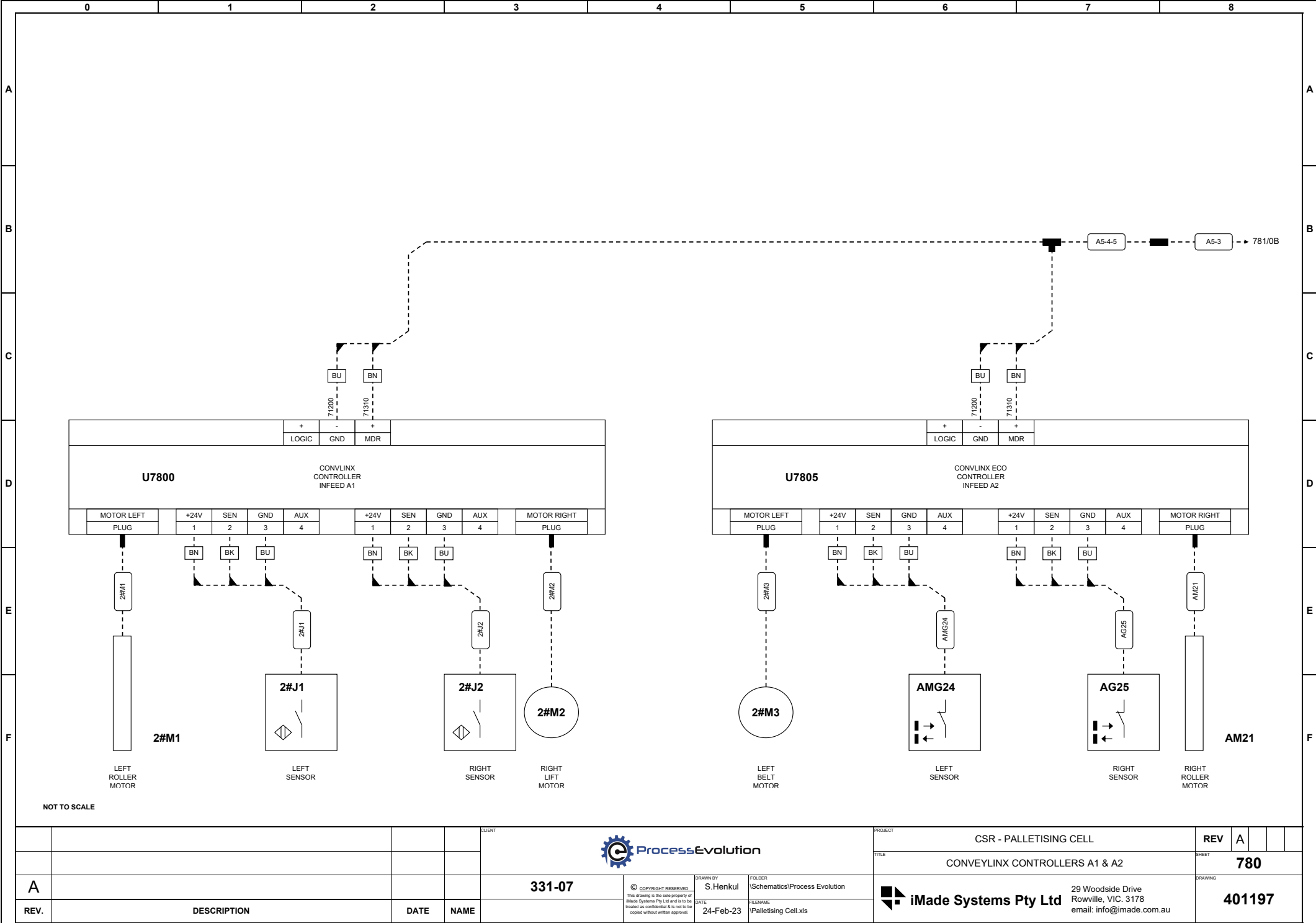
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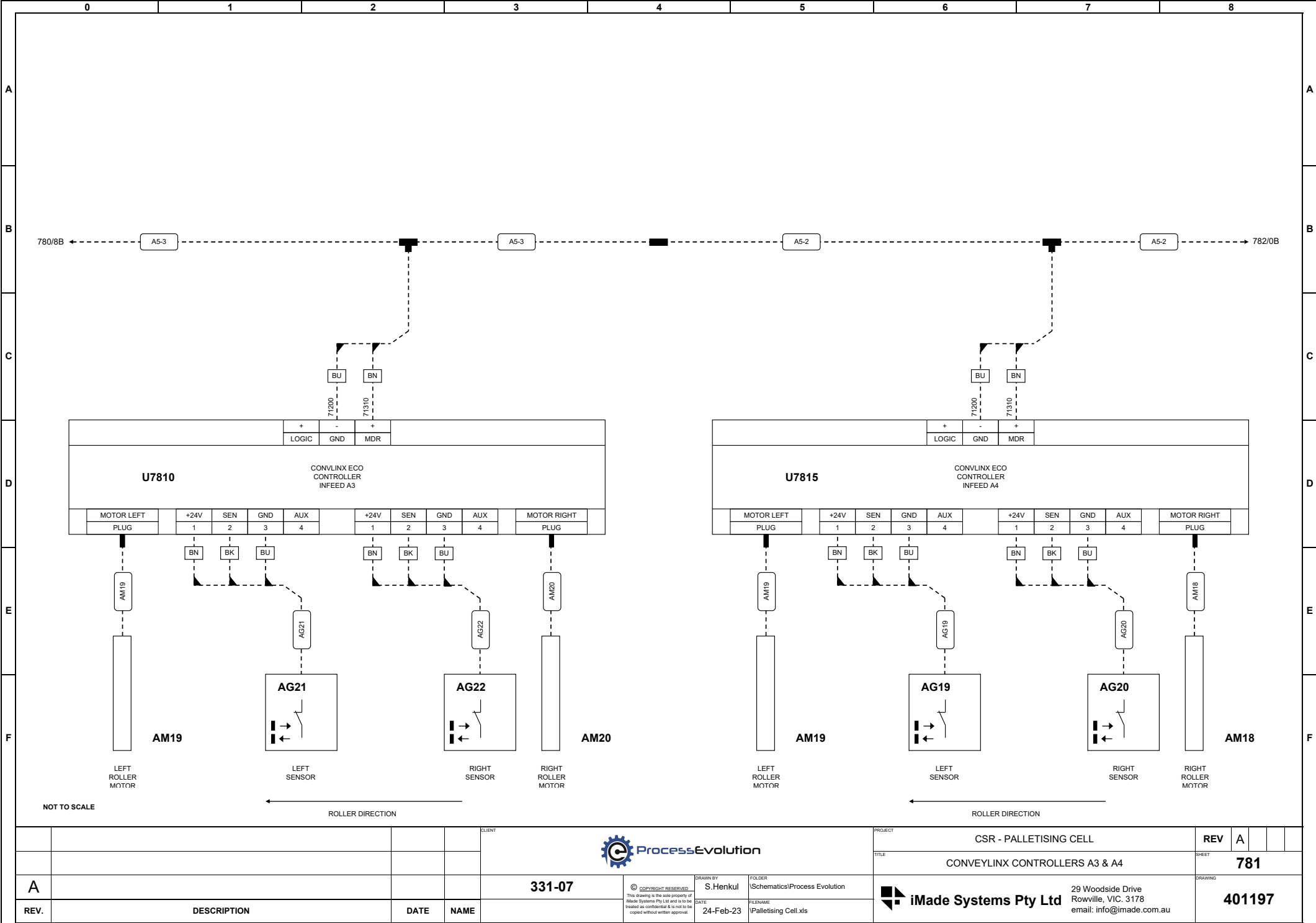
TITLE
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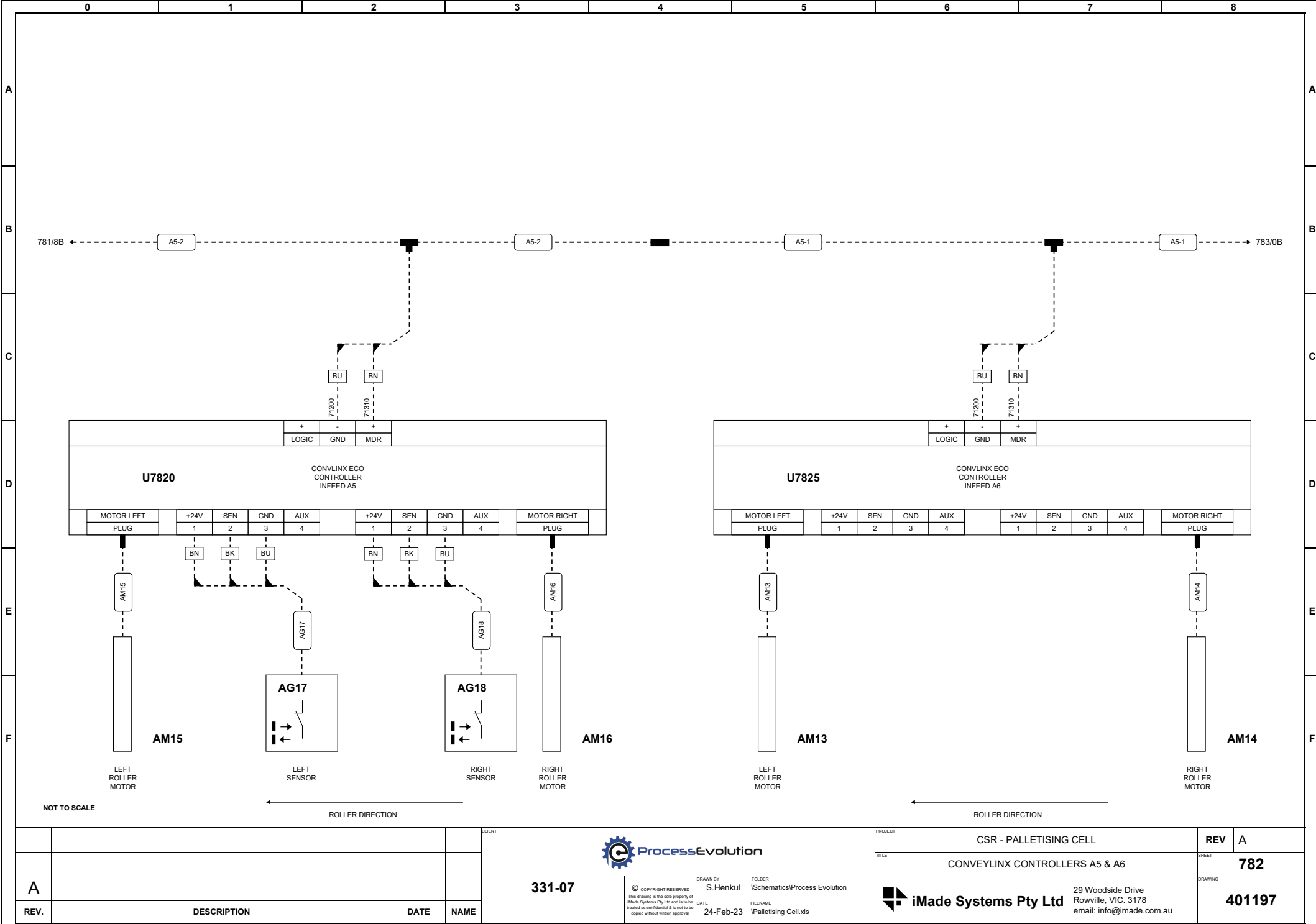
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CONVEYLINX CONTROLLERS A5 & A6

REV

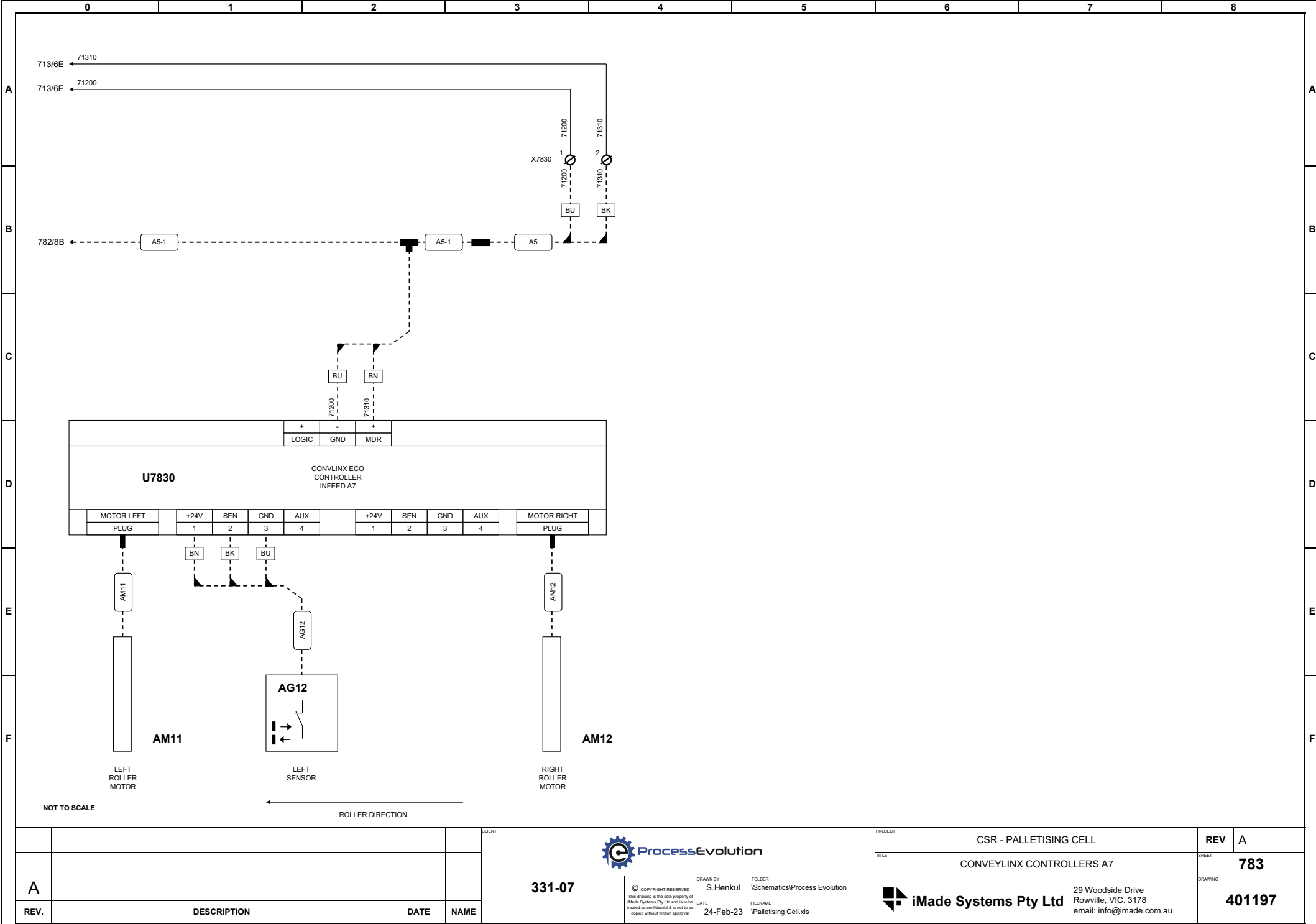
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PROJECT
CSR - PALLETISING CELL

TITLE
CONVEYLINX CONTROLLERS A7

REV

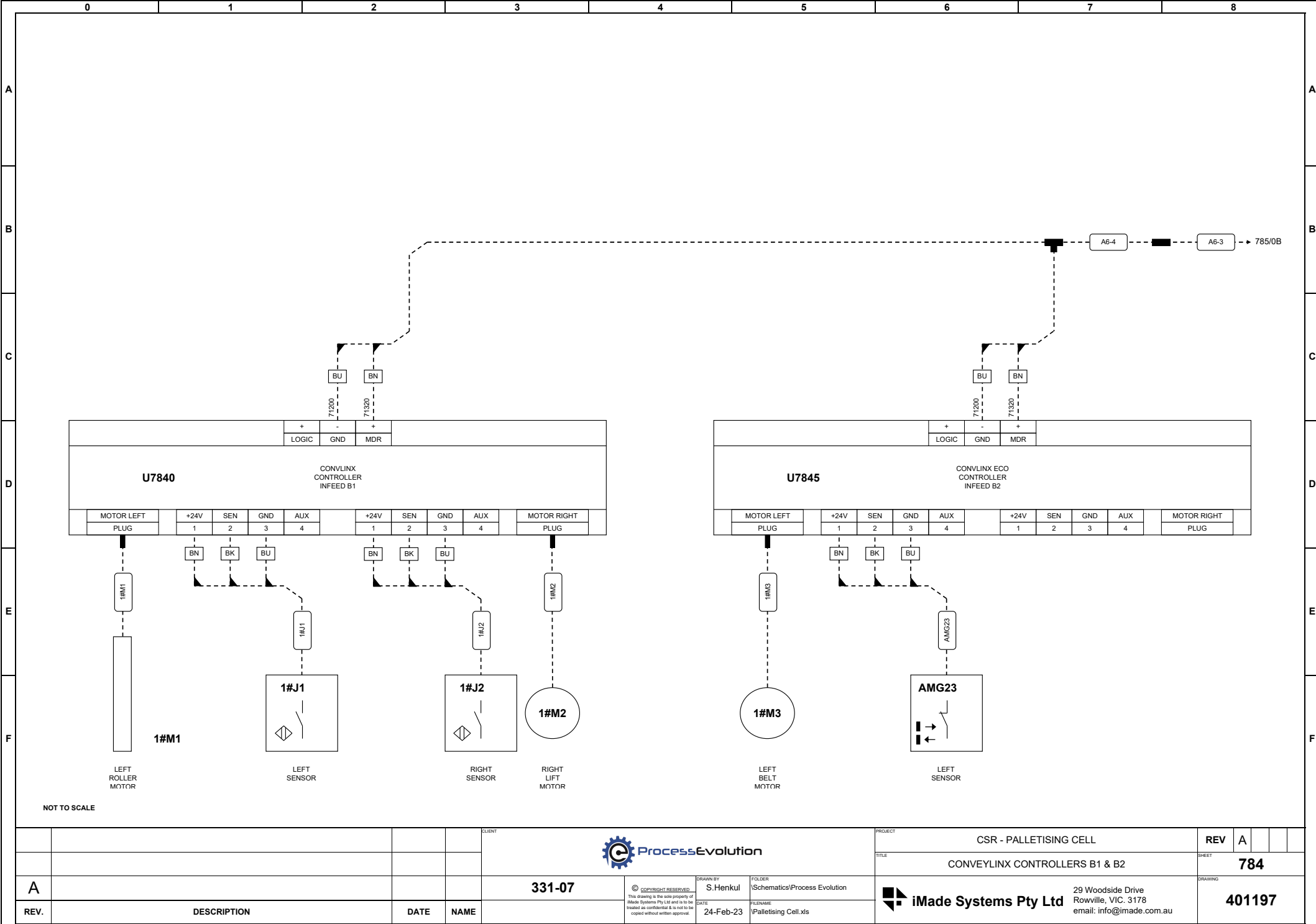
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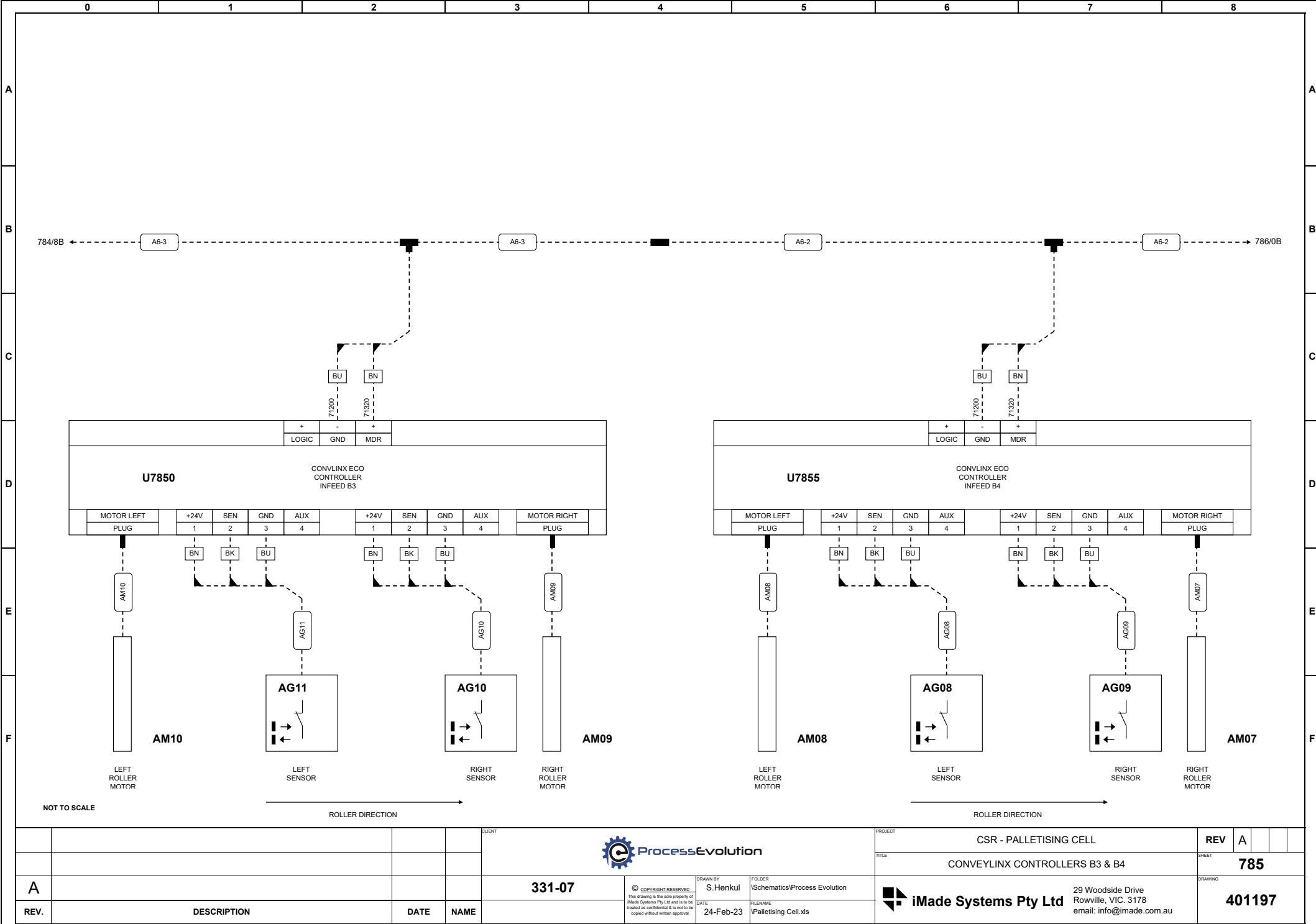
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PROJECT
CSR - PALLETISING CELL

TITLE
CONVEYLINX CONTROLLERS B3 & B4

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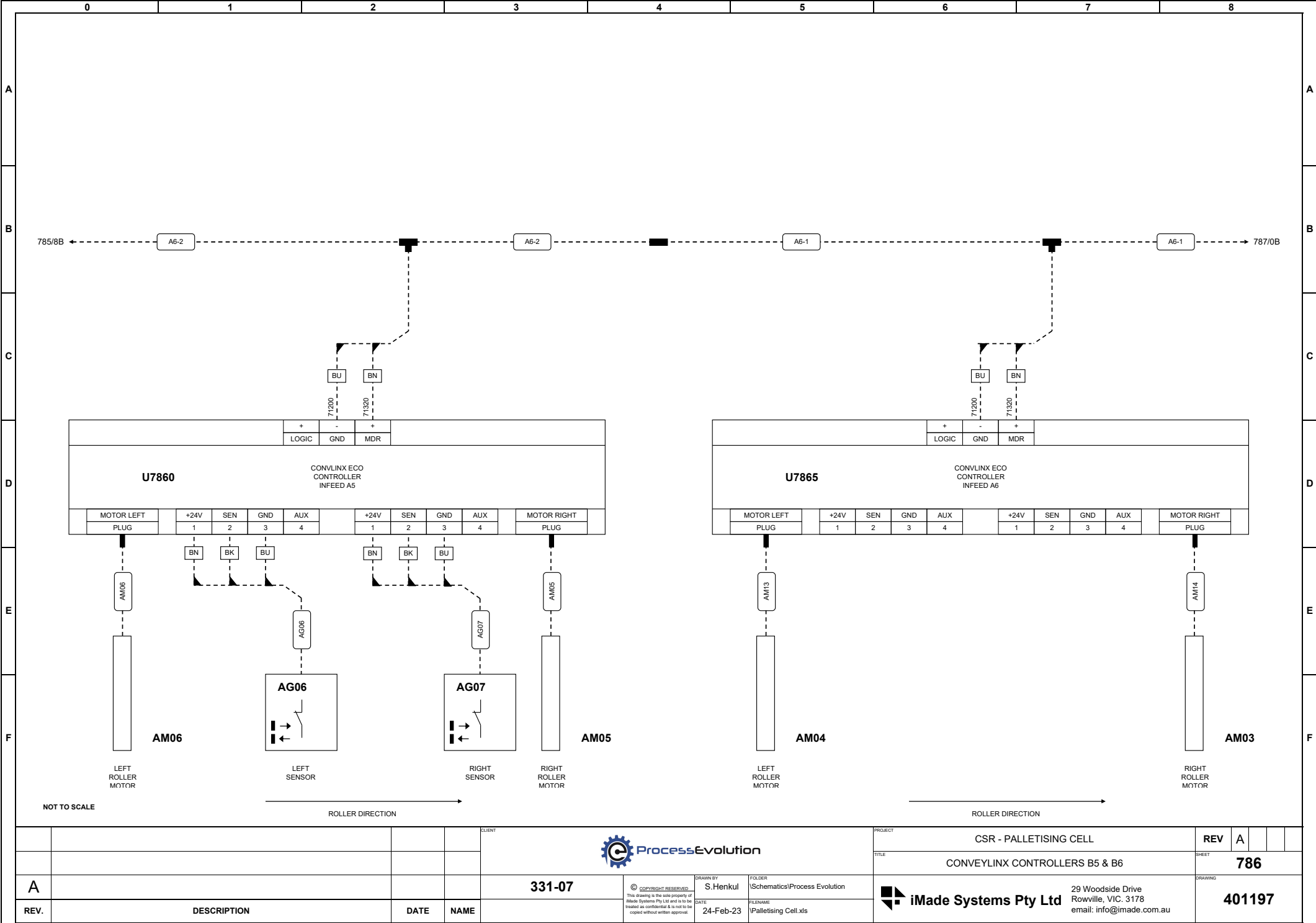
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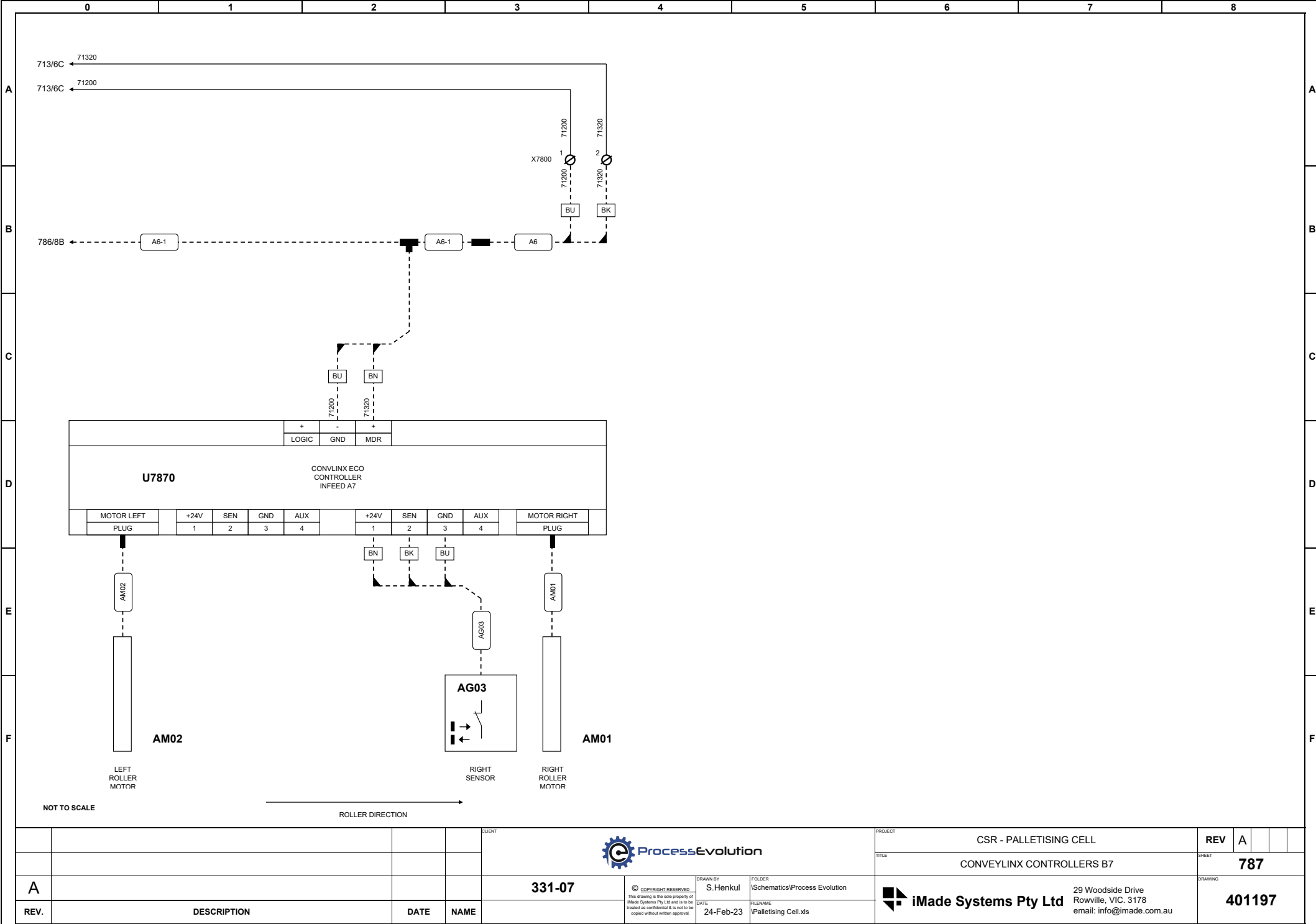
PROJECT
CSR - PALLETISING CELL

TITLE
CONVEYLINX CONTROLLERS B5 & B6

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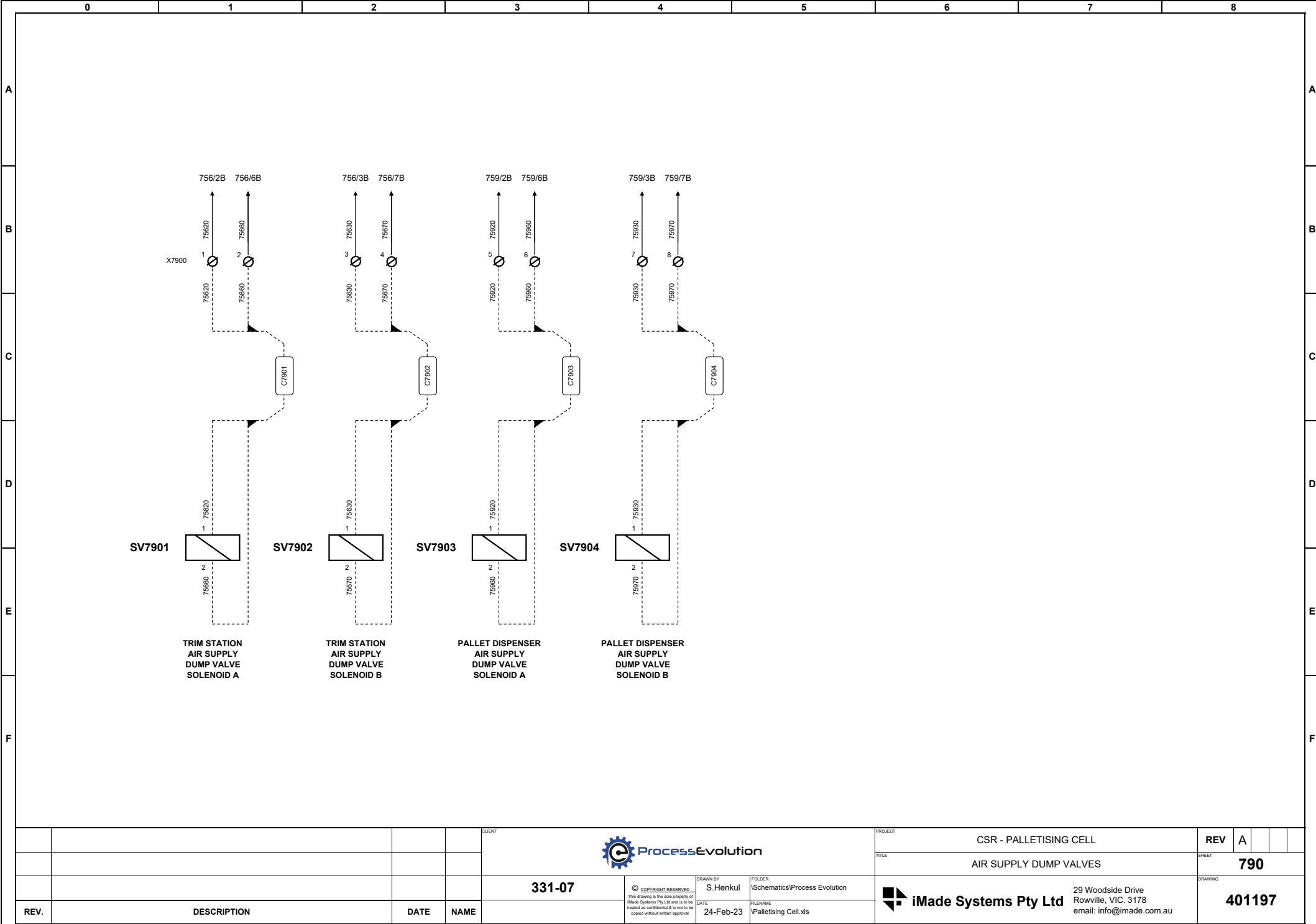
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