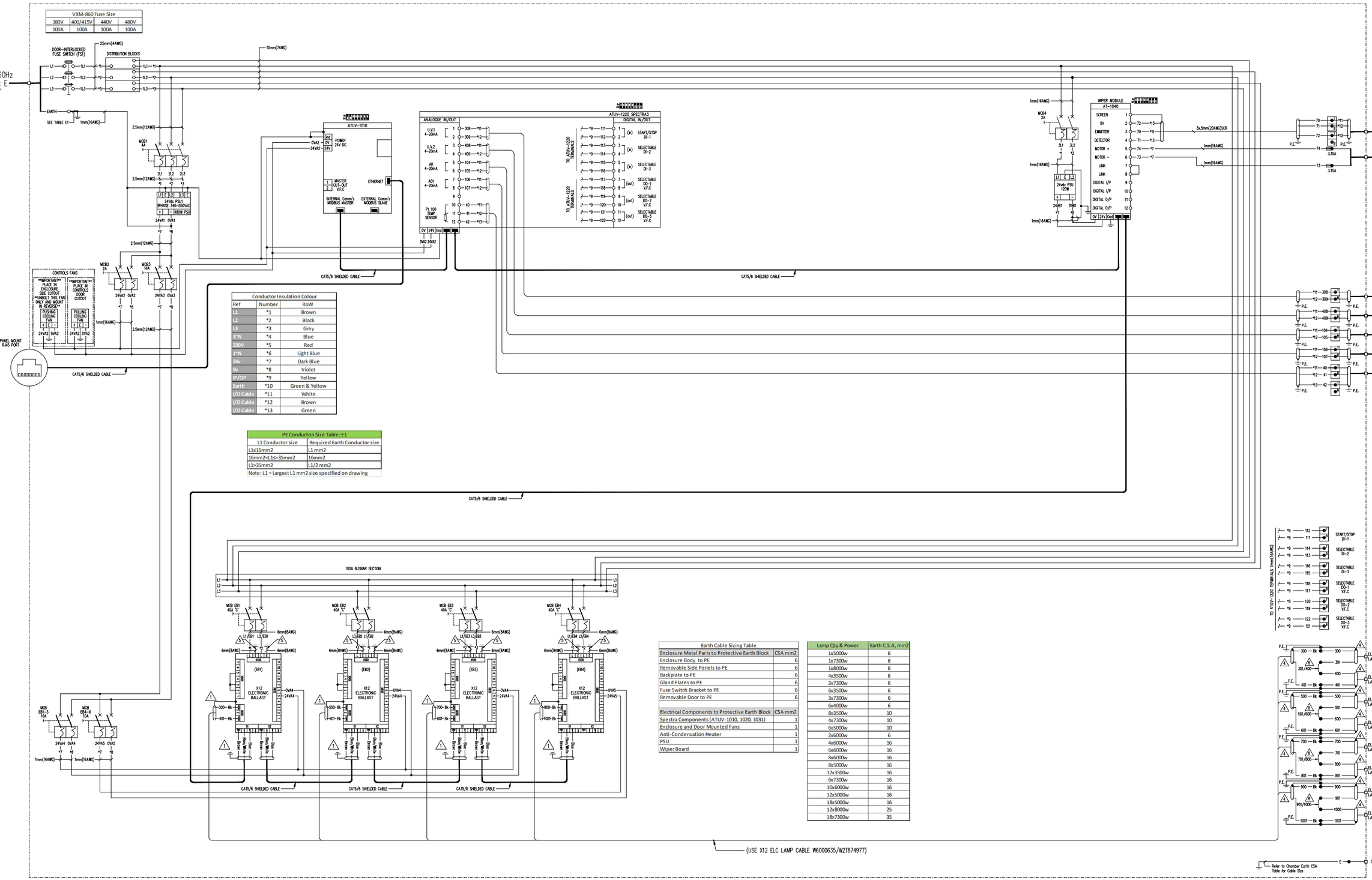

Conductor Insulation Colour		
Ref	Number	RoW
L1	*1	Brown
L2	*2	Black
L3	*3	Grey
3-N	*4	Blue
230V	*5	Red
1-N	*6	Light Blue
24V	*7	Dark Blue
0V	*8	Violet
IP/OP	*9	Yellow
Earth	*10	Green & Yellow
I/O Cable	*11	White
I/O Cable	*12	Brown
I/O Cable	*13	Green

PE Conducton Size Table: E1	
L1 Conductor size	Required Earth Conductor size
L1≤16mm2	L1 mm2
16mm2<L1≤35mm2	16mm2
L1>35mm2	L1/2 mm2
Note: L1 = Largest L1 mm2 size specified on drawing	

Earth Cable Sizing Table	
Enclosure Metal Parts to Protective Earth Block	CSA mm2
Enclosure Body to PE	6
Removable Side Panels to PE	6
Backplate to PE	6
Gland Plates to PE	6
Fuse Switch Bracket to PE	6
Removable Door to PE	6
Electrical Components to Protective Earth Block	CSA mm2
Spectra Components (ATUV-1010, 1020, 1031)	1
Enclosure and Door Mounted Fans	1
Anti-Condensation Heater	1
PSU	1
Wiper Board	1

Lamp Qty & Power	Earth C.S.A, mm2
1x5000w	6
1x7300w	6
1x8000w	6
4x3500w	6
2x7300w	6
6x3500w	6
3x7300w	6
6x4000w	6
8x3500w	10
4x7300w	10
6x5000w	10
2x6000w	6
4x6000w	16
6x6000w	16
8x6000w	16
8x5000w	16
12x3500w	16
6x7300w	16
10x6000w	16
12x5000w	16
18x5000w	16
12x8000w	25
18x7300w	35

IMPORTANT: FOR X12 BALLASTS, USE ONLY W6371401/W2T874708 (PHOENIX CONTACT TERMINALS UHSK/S 2000 -0704076) FOR LAMP TERMINALS
IMPORTANT: ADD W6371402/W2T874709 (PHOENIX CONTACT END COVER D-UHSK 2000 0704021) AFTER EACH SET OF LAMP TERMINALS
IMPORTANT: LAMP CABLE SCREEN EARTH TERMINALS TO HAVE AN END COVER ADDED TO OPEN SIDE OF EACH EARTH TERMINAL

NOTES:

1. SCREEN TO BALLAST CHASSIS
2. NOTE REMOVED
3. NOTE REMOVED
4. MAINTAIN SHORT TAIL CUTBACK LENGTHS
5. ENSURE SEPERATE EARTH CABLES ARE RAN TO EARTH FROM X8 BALLAST
6. ALL CAT-5e DATA CABLES TO BE SHIELDED TYPE
7. NOTE REMOVED
8. WHERE REQ'D SERIES LAMPS, CREATE LINK USING WIRE SECTION TAKEN FROM LAMP CABLE. DO NOT USE PUSH-IN COMMONING TERMINAL LINKS.

REV	DESCRIPTION	DATE	DWN	CKD	APPD	ECN
A	ISSUED FOR MANUFACTURE	06.12.23	MS	JE	MP	

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