

REV	DESCRIPTION	SHEET NO.	INITIAL	DATE
00	New Release	1-18	KANG F	30 DEC 2013
01	Drawing Update, Refer To Revision Table For Details	1-18	POH YT	26 SEP 2014
02	TUV Audit update	1-17	POH YT	14 APR 2015

REVISION TABLE

REVISION	DATE	SHEET	NAME	CHANGE DETAIL
00	30-12-2013	--	--	FIRST REVISION FOR 3D AOI SYSTEM
01	26-09-2014	1	CONTROL PANEL - MAIN POWER 220/110V	CORRECTION OF MCB CURRENT RATING (Q7)
		8	CONTROL PANEL - GANTRY X-AXIS SERVO MOTOR DRIVE	CORRECTION OF X-AXIS MOTOR PHASE WIRE COLOUR
		9	CONTROL PANEL - GANTRY Y-AXIS SERVO MOTOR DRIVE	CORRECTION OF Y-AXIS MOTOR PHASE WIRE COLOUR
		13	STANDARD SMEMA	CORRECTION OF SMEMA PIN OUT ACCORDING TO IPC-SMEMA-9851

V510 G2S

DRAWING STATUS:RELEASED

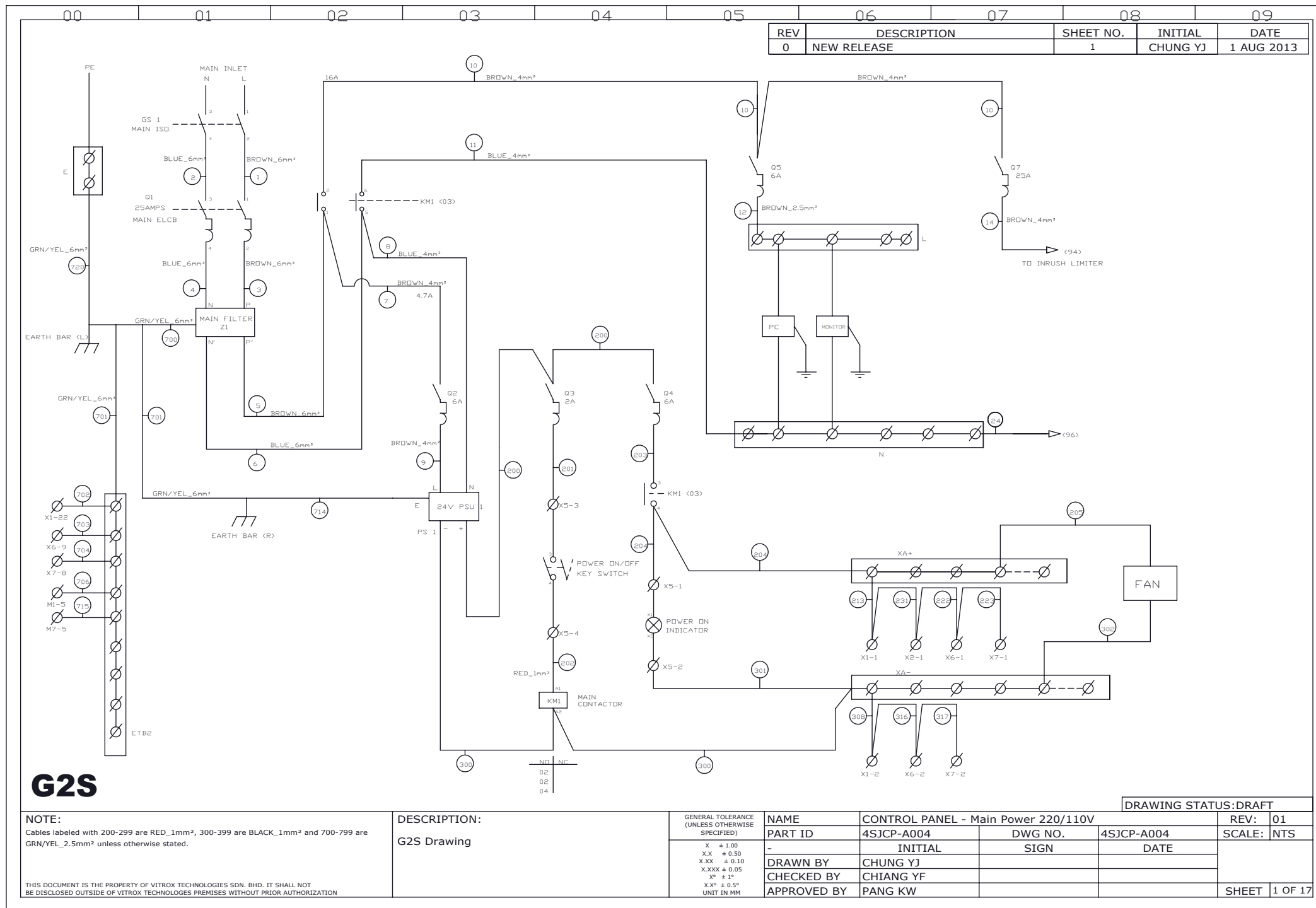
NOTE:	DESCRIPTION:-	GENERAL TOLERANCE (UNLESS OTHERWISE SPECIFIED)  X ± 1.00 X.X ± 0.50 X.XX ± 0.10 X.XXX ± 0.05 X° ± 1° X.X° ± 0.5° UNIT IN MM	NAME			G2S ELECTRICAL DRAWING		REV:	01	
			PART ID		4SJCP-A004	DWG NO.	4SJCP-A004	SCALE:	NTS	
			-		INITIAL	SIGN	DATE			
			DRAWN BY		KANG F					
			CHECKED BY		OOI SW					
APPROVED BY		OOI SW			SHEET					
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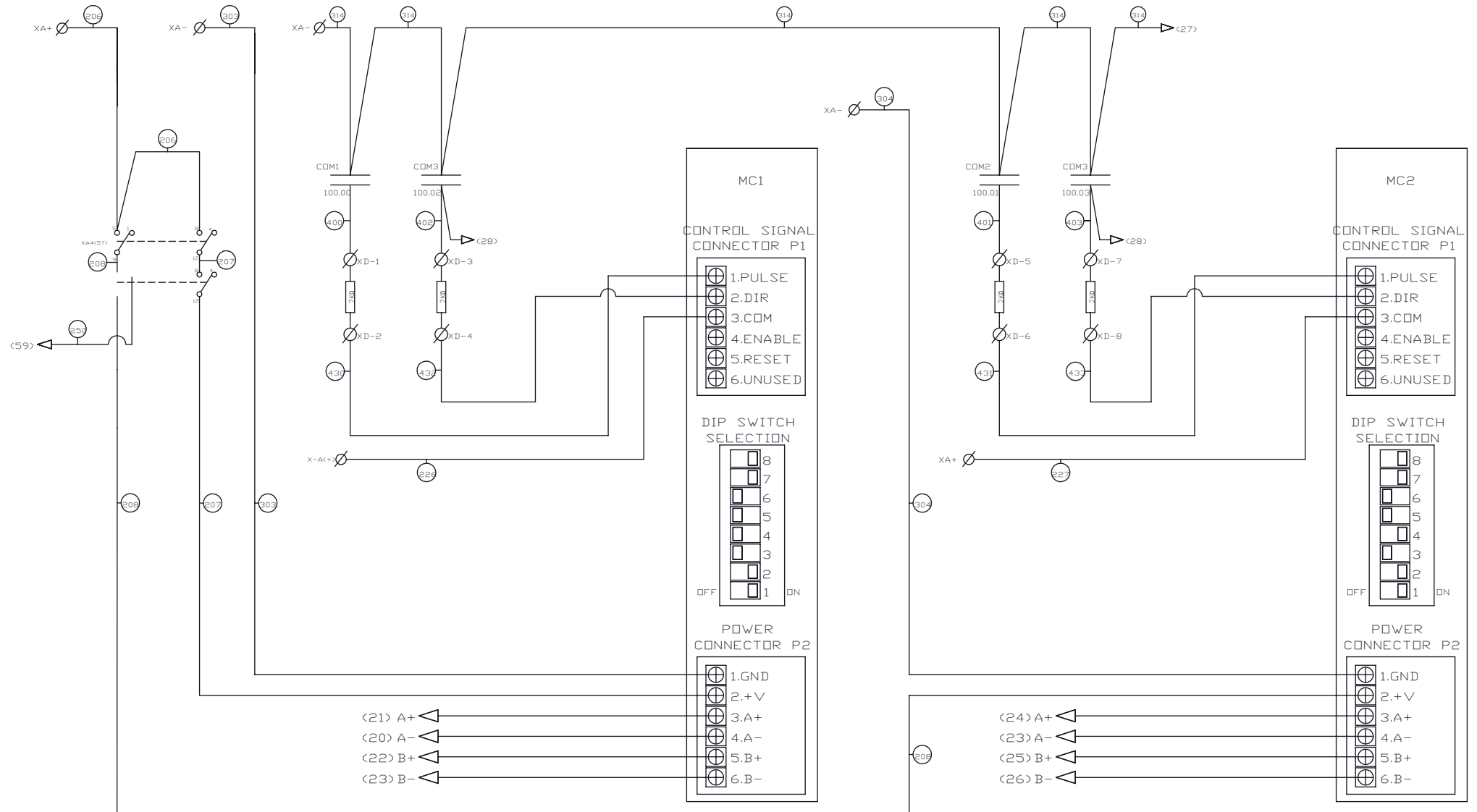
REVISION TABLE				
REVISION	DATE	SHEET	NAME	CHANGE DETAIL
02	14-4-2015	1	CONTROL PANEL - MAIN POWER 220/110V	MAIN FILTER Z1 WIRE AWG, CURRENT RATING
		2	CONTROL PANEL - Stepper Motor Drives	ADD RELAY KAS
		11	CONTROL PANEL - GANTRY AC INPUT POWER	TEKNIC INCOMING WIRE AWG
		6,7	CONTROL PANEL - GANTRY X-AXIS SERVO MOTOR DRIVE	COMBINED ALL SAFETY RELAY CONTACTS CIRCUIT IN A SHEET, ADD RELAY KAS AND CONNECT 3 EMERGENCY STOPIN SERIES WITH MAINTENANCE SWITCH
		15	CONTROL PANEL LAYOUT (CENTER)	ADD RELAY KAS

V510 G2S

NOTE:	DESCRIPTION:-	GENERAL TOLERANCE (UNLESS OTHERWISE SPECIFIED)  X     ± 1.00 X.X   ± 0.50 X.XX   ± 0.10 X.XXX ± 0.05 X°     ± 1° X.X° ± 0.5° UNIT IN MM	NAME				G2S ELECTRICAL DRAWING		REV:	03
			PART ID		4SJCP-A004	DWG NO.		4SJCP-A004	SCALE:	NTS
			-		INITIAL		SIGN		DATE	
			DRAWN BY		KANG F					
			CHECKED BY		OOI SW					
			APPROVED BY		OOI SW					
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REV	DESCRIPTION	SHEET NO.	INITIAL	DATE
00	See Sheet 0 for Revisions			



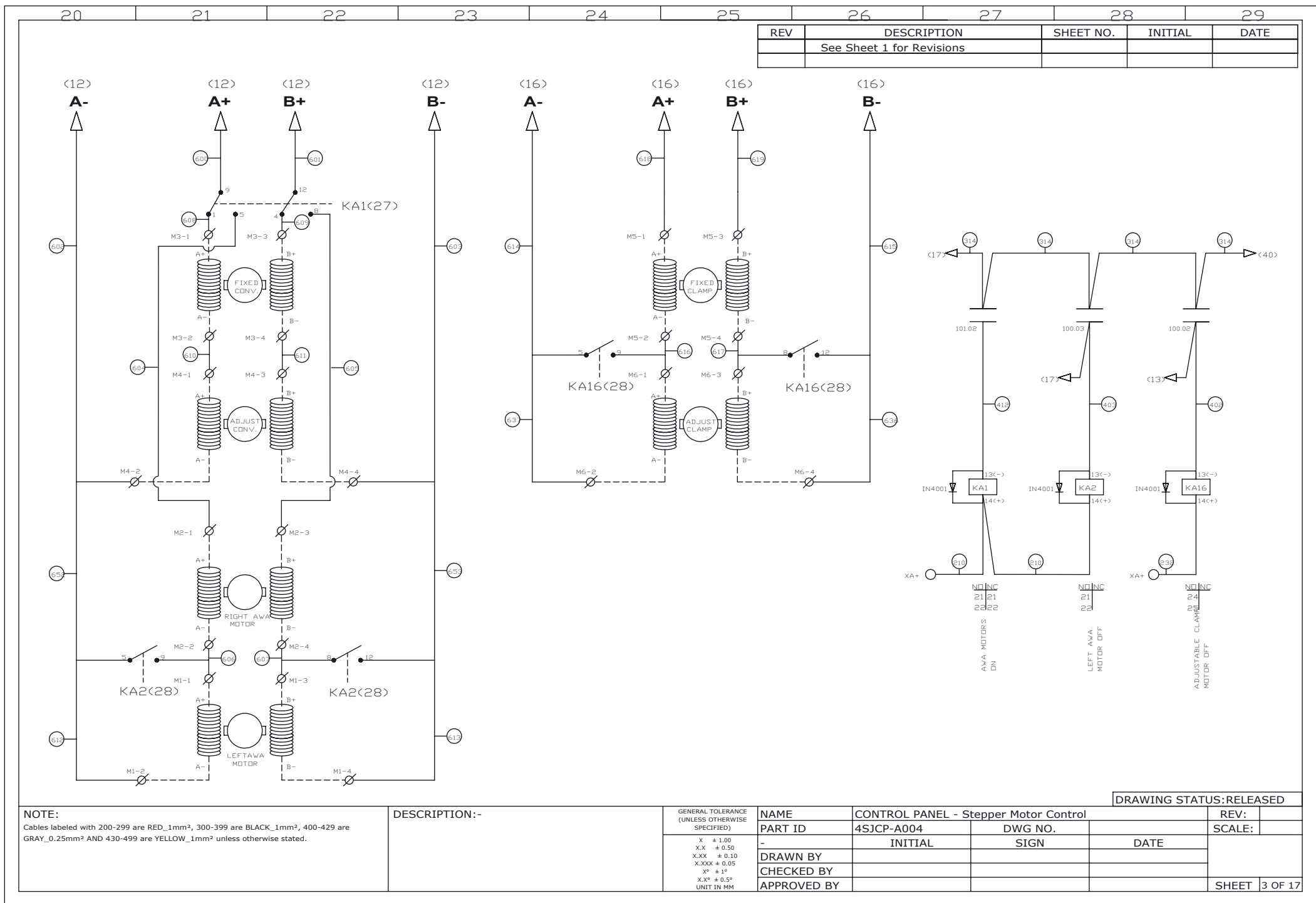
**NOTE:**  
Cables labeled with 200-299 are RED\_1mm<sup>2</sup>(18AWG), 300-399 are BLACK\_1mm<sup>2</sup>(18AWG), 400-429 are GRAY\_0.25mm<sup>2</sup>(24AWG) AND 430-499 are YELLOW\_1mm<sup>2</sup>(18AWG) unless otherwise stated.  
Information(Conductor Area CSA= Conductor Size AWG):  
0.25mm<sup>2</sup> =24AWG;1mm<sup>2</sup>=18AWG

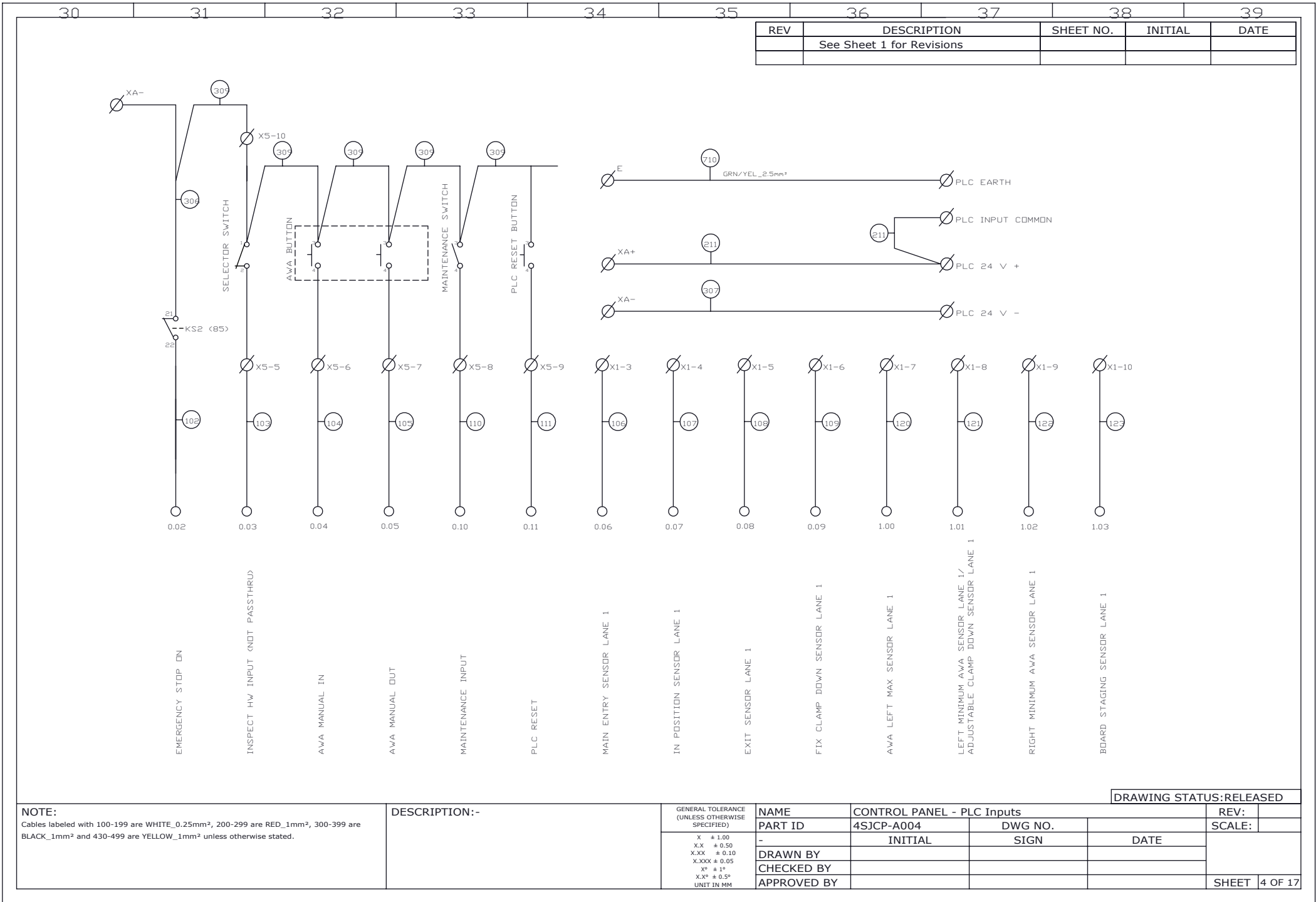
DESCRIPTION:-
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GENERAL TOLERANCE (UNLESS OTHERWISE SPECIFIED)	
X	± 1.00
X.X	± 0.50
X.XX	± 0.10
X.XXX	± 0.05
X°	± 1°
X.X°	± 0.5°
UNIT IN MM	

NAME	CONTROL PANEL - Stepper Motor Drives			REV:	03
PART ID	4SJCP-A005	DWG NO.	4SJCP-A005	SCALE:	NTS
-	INITIAL	SIGN	DATE		
DRAWN BY	KANG F				
CHECKED BY	OOI SW				
APPROVED BY	OOI SW				
				SHEET	2 OF 17

DRAWING STATUS:RELEASED

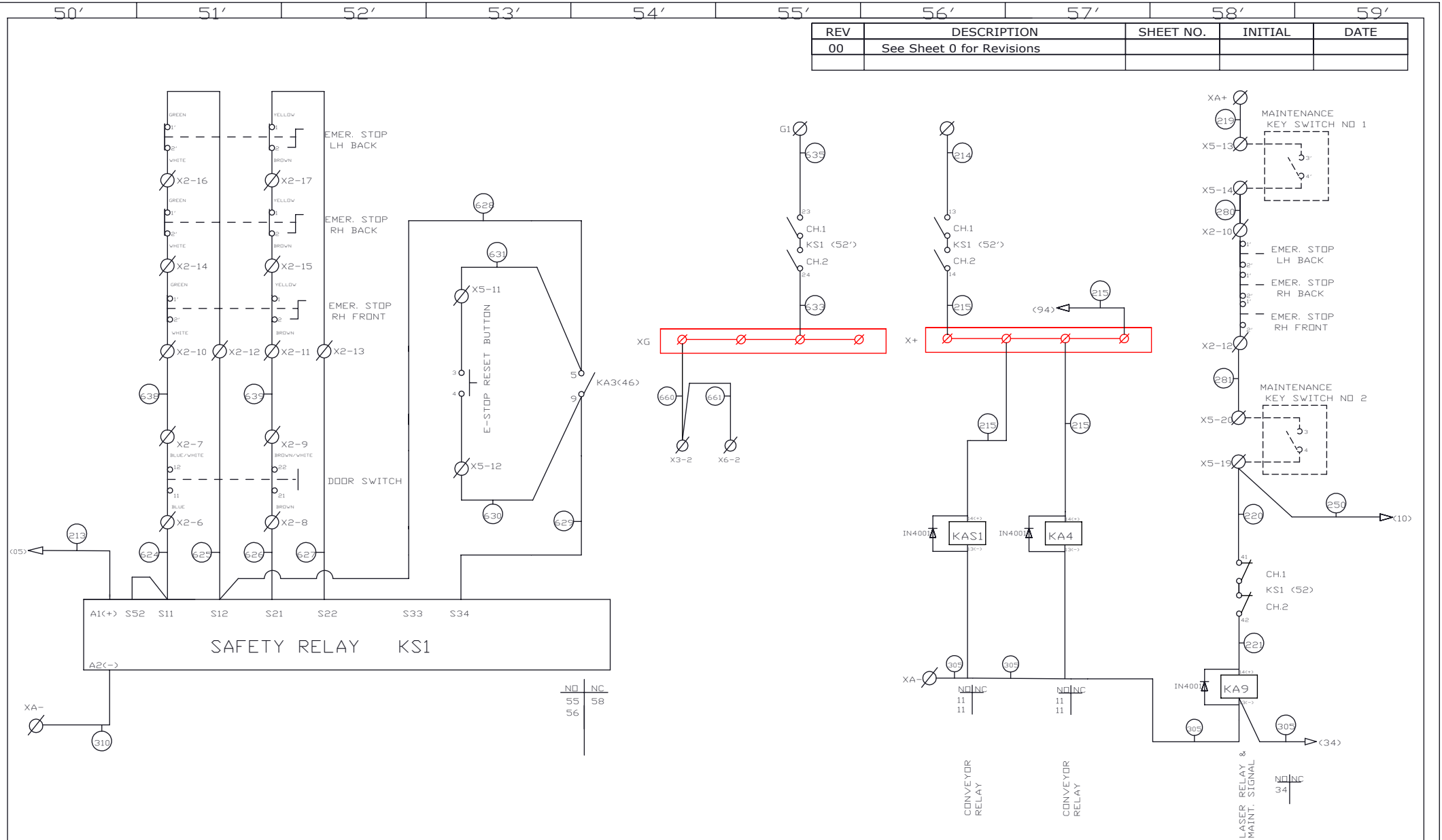






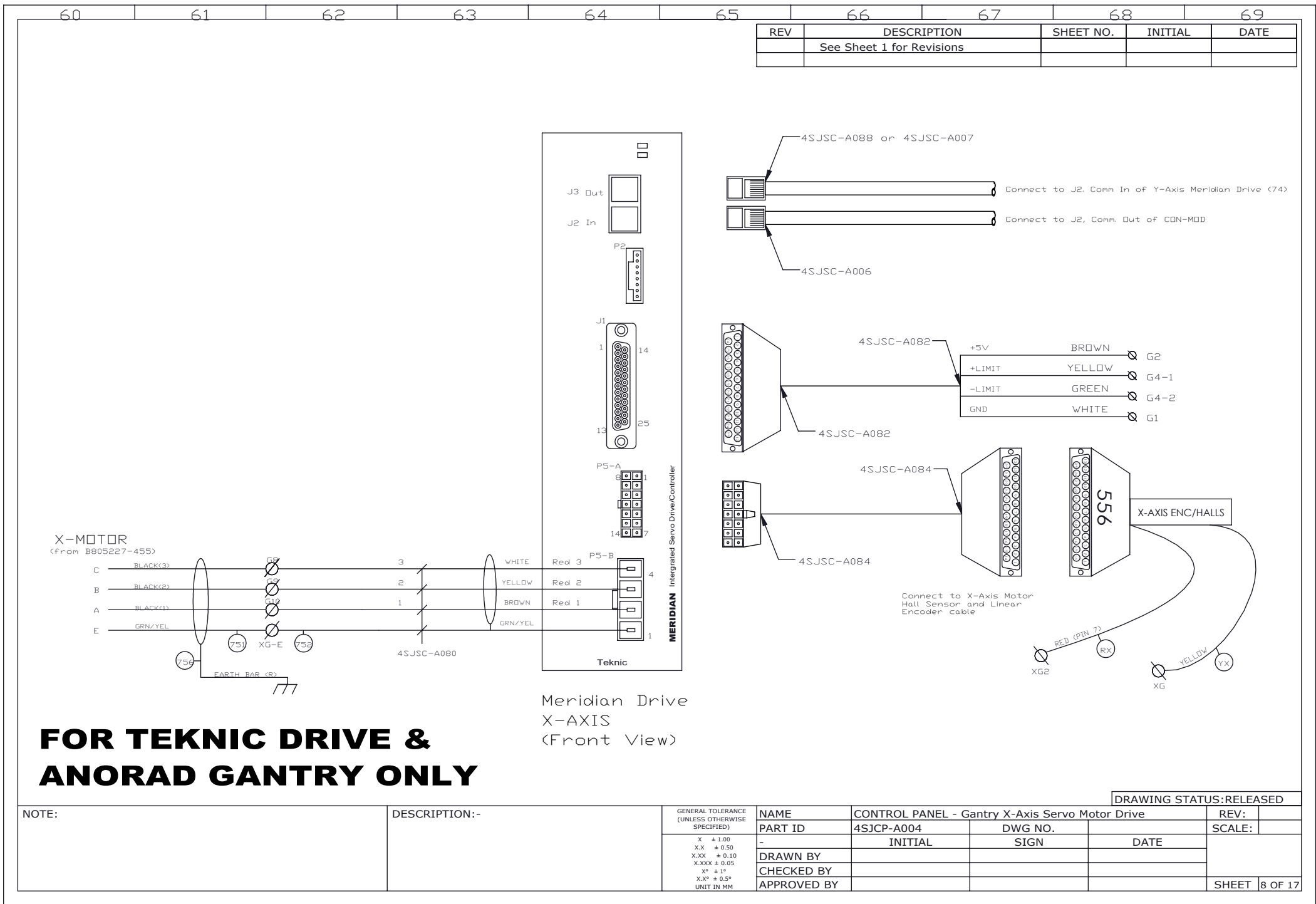


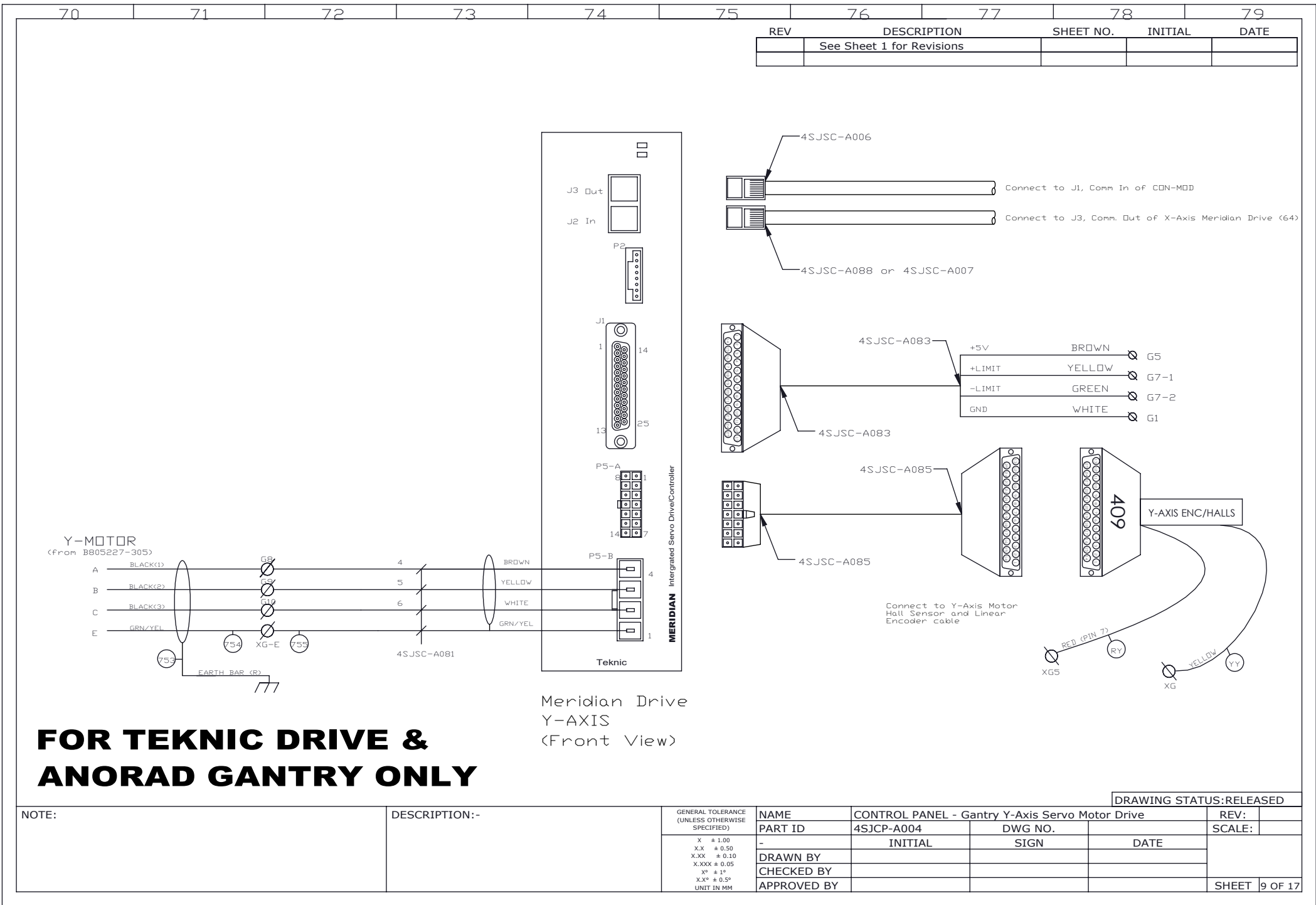




# FOR ALLEN BRADLEY MSR127RP SAFETY RELAY ONLY

NOTE: Cables labeled with 200-299 are RED_1mm²(18AWG), 300-399 are BLACK_1mm²(18AWG), 400-429 are GRAY_0.25mm²(24AWG) and 430-699 are YELLOW_1mm²(18AWG) unless otherwise stated. Information(Conductor Area CSA= Conductor Size AWG): 0.25mm² =24AWG;1mm²=18AWG		DESCRIPTION:-		GENERAL TOLERANCE (UNLESS OTHERWISE SPECIFIED)		DRAWING STATUS:RELEASED			
THIS DOCUMENT IS THE PROPERTY OF VITROX TECHNOLOGIES SDN. BHD. IT SHALL NOT BE DISCLOSED OUTSIDE OF VITROX TECHNOLOGES PREMISES WITHOUT PRIOR AUTHORIZATION						NAME	CONTROL PANEL - Safety Interlock		REV: 03
						PART ID	4SJCP-A004	DWG NO.	4SJCP-A004
						-	INITIAL	SIGN	DATE
						DRAWN BY	KANG F		
						CHECKED BY	OOI SW		
						APPROVED BY	OOI SW		
									SHEET 7 OF 17

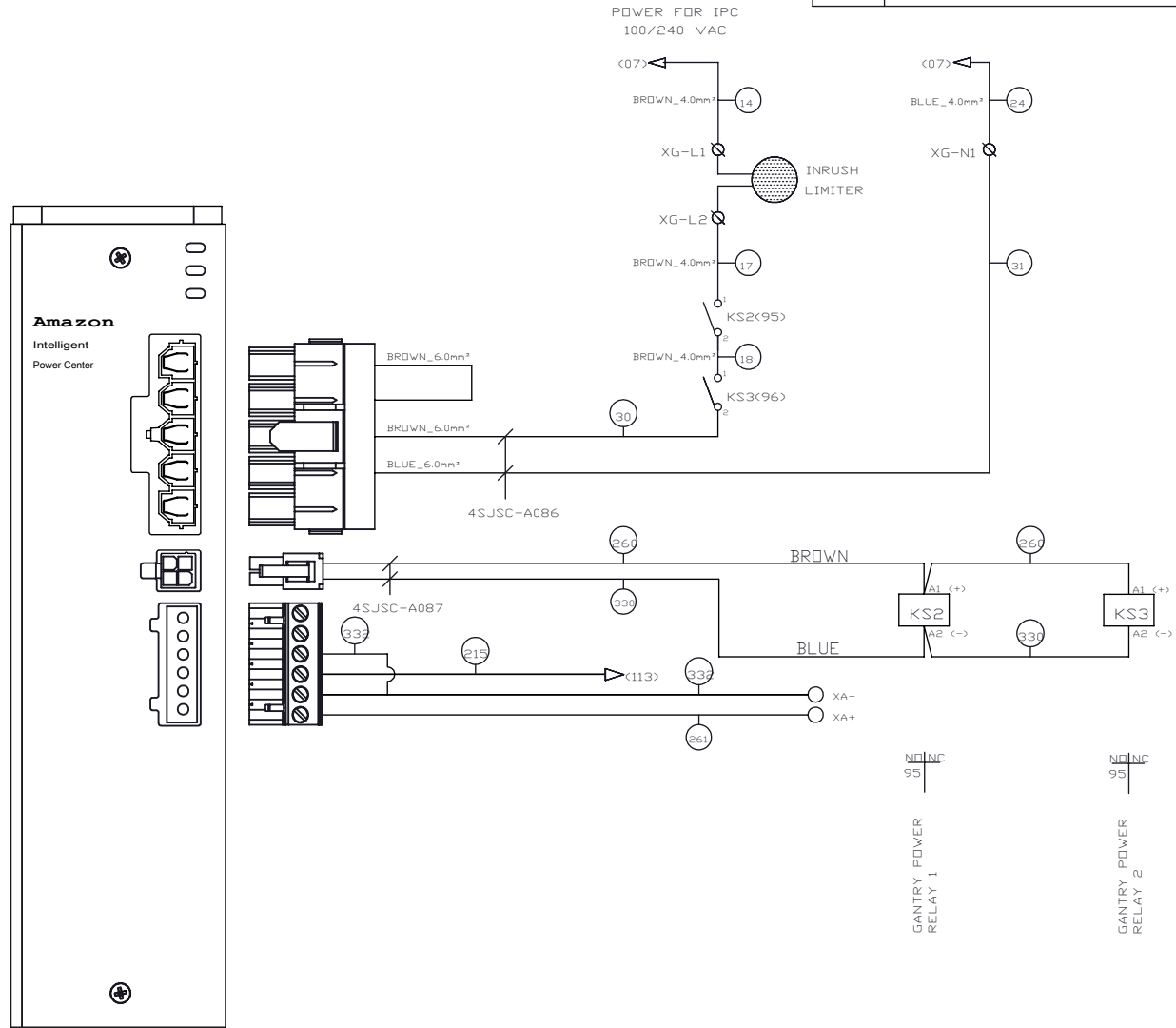






NOTE:		DESCRIPTION:-	DRAWING STATUS:RELEASED							
			GENERAL TOLERANCE (UNLESS OTHERWISE SPECIFIED)	NAME		CONTROL PANEL - Gantry DC Bus Power			REV:	
				PART ID	4SJCP-A004	DWG NO.		SCALE:		
				-	INITIAL	SIGN	DATE			
				DRAWN BY						
				CHECKED BY						
				APPROVED BY				SHEET	10 of 17	
X ± 1.00										
X.X ± 0.50										
X.XX ± 0.10										
X.XXX ± 0.05										
X° ± 1°										
X.X° ± 0.5°										
UNIT IN MM										

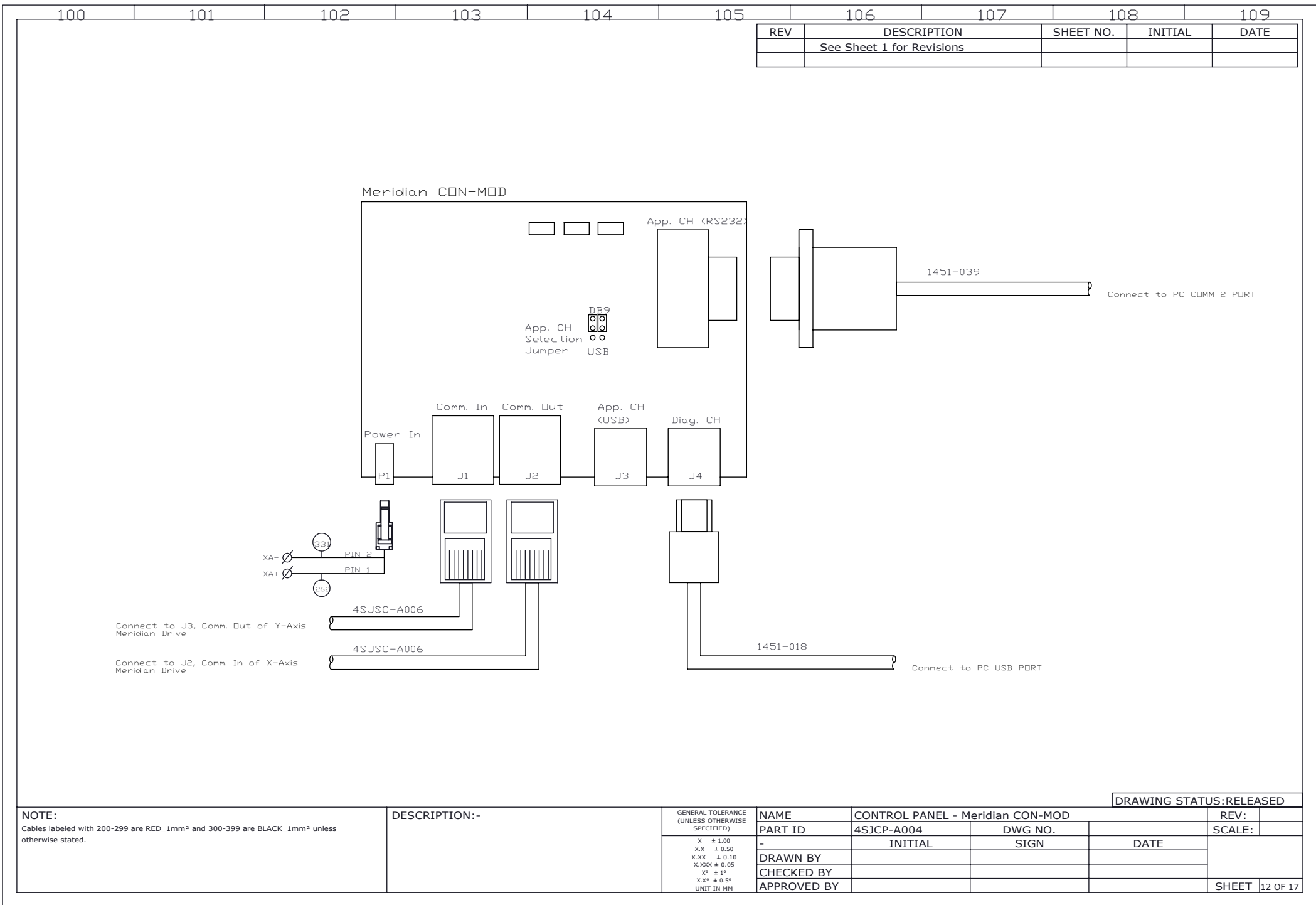
REV	DESCRIPTION	SHEET NO.	INITIAL	DATE
	See Sheet 1 for Revisions			



FOR TEKNIC DRIVE ONLY

DRAWING STATUS:RELEASED

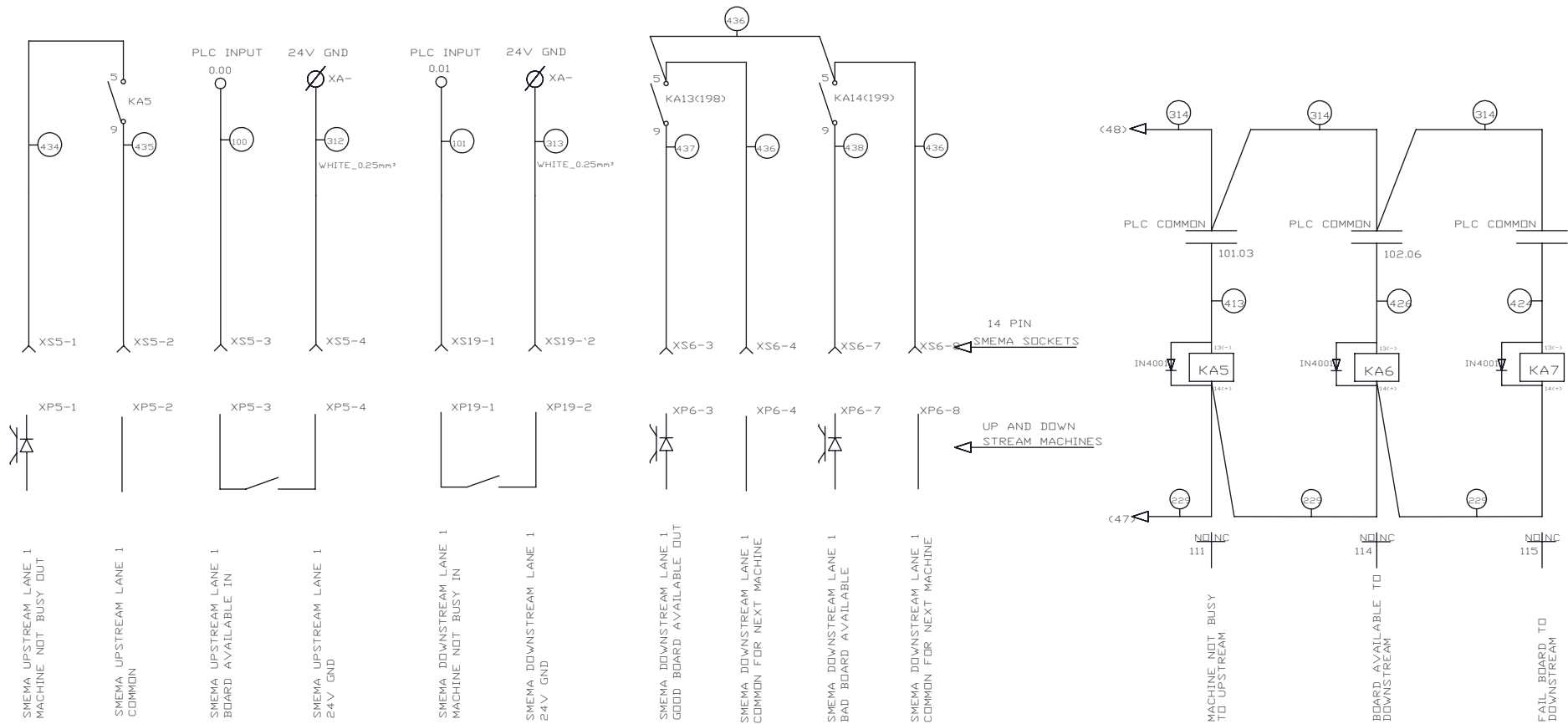
NOTE: Cables labeled with 200-299 are RED_1mm² and 300-399 are BLACK_1mm² unless otherwise stated.	DESCRIPTION:-	GENERAL TOLERANCE (UNLESS OTHERWISE SPECIFIED)  X ± 1.00 X.X ± 0.50 X.XX ± 0.10 X.XXX ± 0.05 X° ± 1° X.X° ± 0.5° UNIT IN MM	NAME	CONTROL PANEL - Gantry AC Input Power			REV:	
			PART ID	4SJCP-A004	DWG NO.		SCALE:	
				INITIAL	SIGN	DATE		
			DRAWN BY					
			CHECKED BY					
			APPROVED BY				SHEET	11 OF 17



REV	DESCRIPTION	SHEET NO.	INITIAL	DATE
	See Sheet 1 for Revisions			

# STANDARD SMEMA

SMEMA UPSTREAM RAIL 1      SMEMA DOWNSTREAM RAIL 1



**NOTE:**  
Cables labeled with 200-299 are RED\_1mm², 300-399 are BLACK\_1mm², 430-699 are YELLOW\_1mm² and 700-799 are GRN/YEL\_2.5mm² unless otherwise stated.

**DESCRIPTION:-**

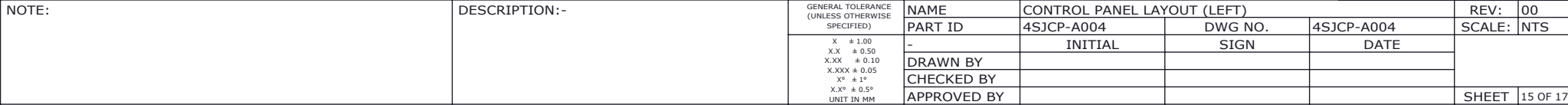
GENERAL TOLERANCE (UNLESS OTHERWISE SPECIFIED)
X    ± 1.00
X.X   ± 0.50
X.XX   ± 0.10
X.XXX ± 0.05
X°    ± 1°
X.X° ± 0.5°
UNIT IN MM

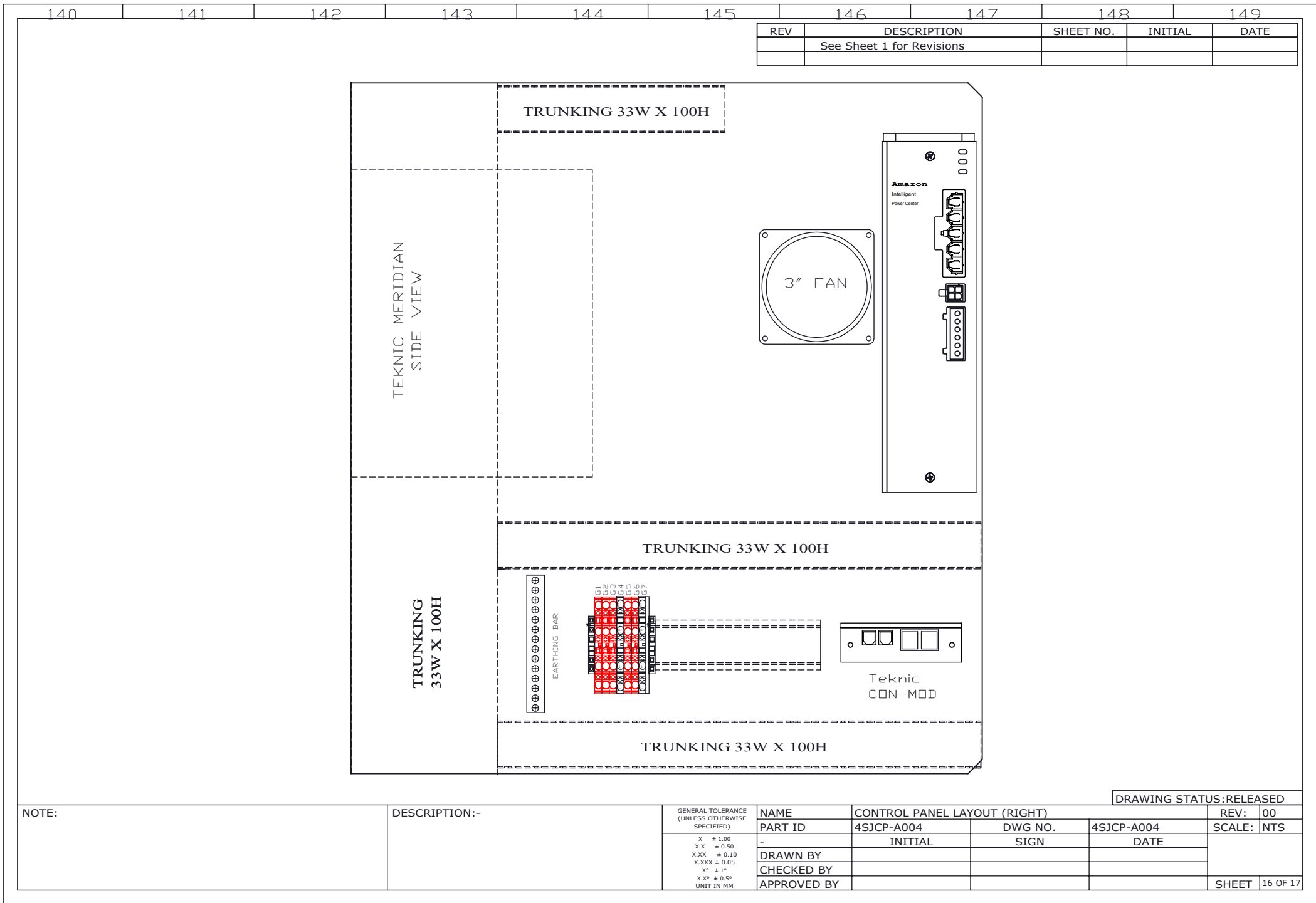
NAME	CONTROL PANEL - SMEMA Interface			REV:	
PART ID	4SJCP-A004	DWG NO.		SCALE:	
-	INITIAL	SIGN	DATE		
DRAWN BY					
CHECKED BY					
APPROVED BY					
				SHEET	13 OF 17

DRAWING STATUS:RELEASED

SHEET	14 OF 17
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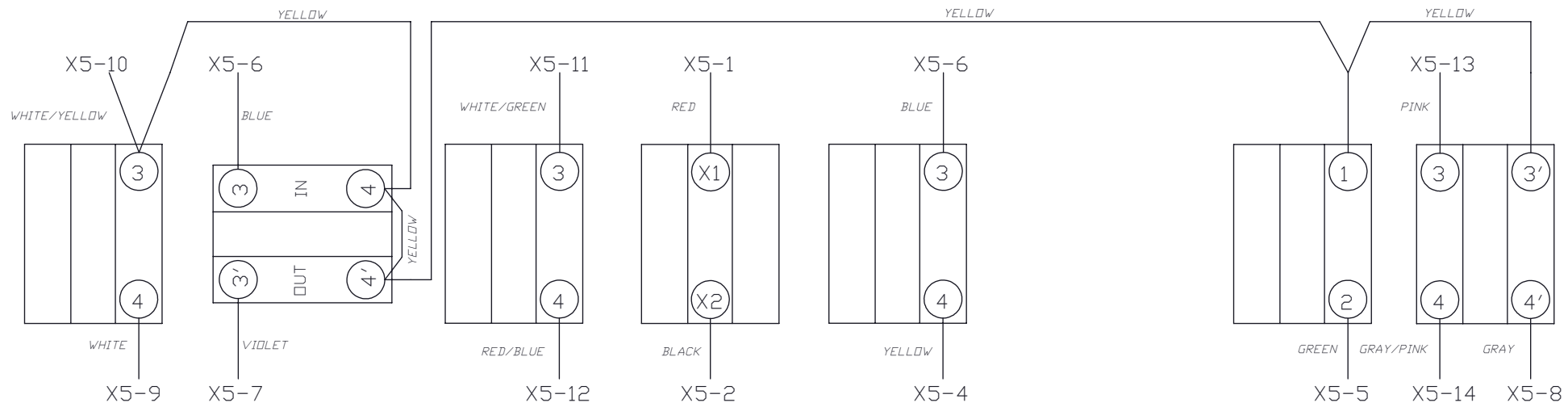






REV	DESCRIPTION	SHEET NO.	INITIAL	DATE
00	See Sheet 1 for Revisions			

SWITCH PLATE BACKVIEW



DRAWING STATUS:RELEASED

NOTE:	DESCRIPTION:-	GENERAL TOLERANCE (UNLESS OTHERWISE SPECIFIED)  X        ± 1.00 X.X     ± 0.50 X.XX    ± 0.10 X.XXX  ± 0.05 X°       ± 1° X.X°    ± 0.5° UNIT IN MM	NAME		SWITCH PLATE BACKVIEW (CONTACT BLOCK CONNECTION)		REV:	00	
			PART ID		4SJCP-A004	DWG NO.	4SJCP-A004	SCALE: NTS	
			-		INITIAL	SIGN	DATE		
			DRAWN BY						
			CHECKED BY						
			APPROVED BY					SHEET	17 OF 17