

BERKSHIRE GREY  
CONTROL SYSTEM  
BG110310

ELECTRICAL SCHEMATIC TABLE OF CONTENTS	
SHEET	DESCRIPTION
00	SCHEMATIC TOC & WIRING NOTES
01	ELECTRICAL SCHEMATIC
02	ELECTRICAL SCHEMATIC
03	ETHERNET TOPOLOGY
04	ENCLOSURE & SUB PANEL LAYOUTS
05	BILL OF MATERIALS

WIRING NOTES	
1	ALL CABLES AND WIRES MUST BE NUMBERED AS PER THESE DRAWINGS
2	ALL CABLES AND WIRES MUST BE LABELED ON BOTH ENDS
3	SPARE WIRES MUST BE LABELED ACCORDINGLY
4	ALL ETHERNET CABLES MUST BE CAT 5/6E SHIELDED
5	INSTALLATION MUST COMPLY WITH NFPA 79 ELECTRICAL STANDARD FOR INDUSTRIAL MACHINERY, NFPA 70 NATIONAL ELECTRICAL CODE,

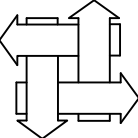
WIRE COLOR CHART	
120VAC POWER	RED
120VAC NEUTRAL	WHITE
24VDC +	BLUE
24VDC -	WHT/BLUE TRACER
EXTERNAL VOLTAGE	ORANGE
GROUND	GREEN/YELLOW

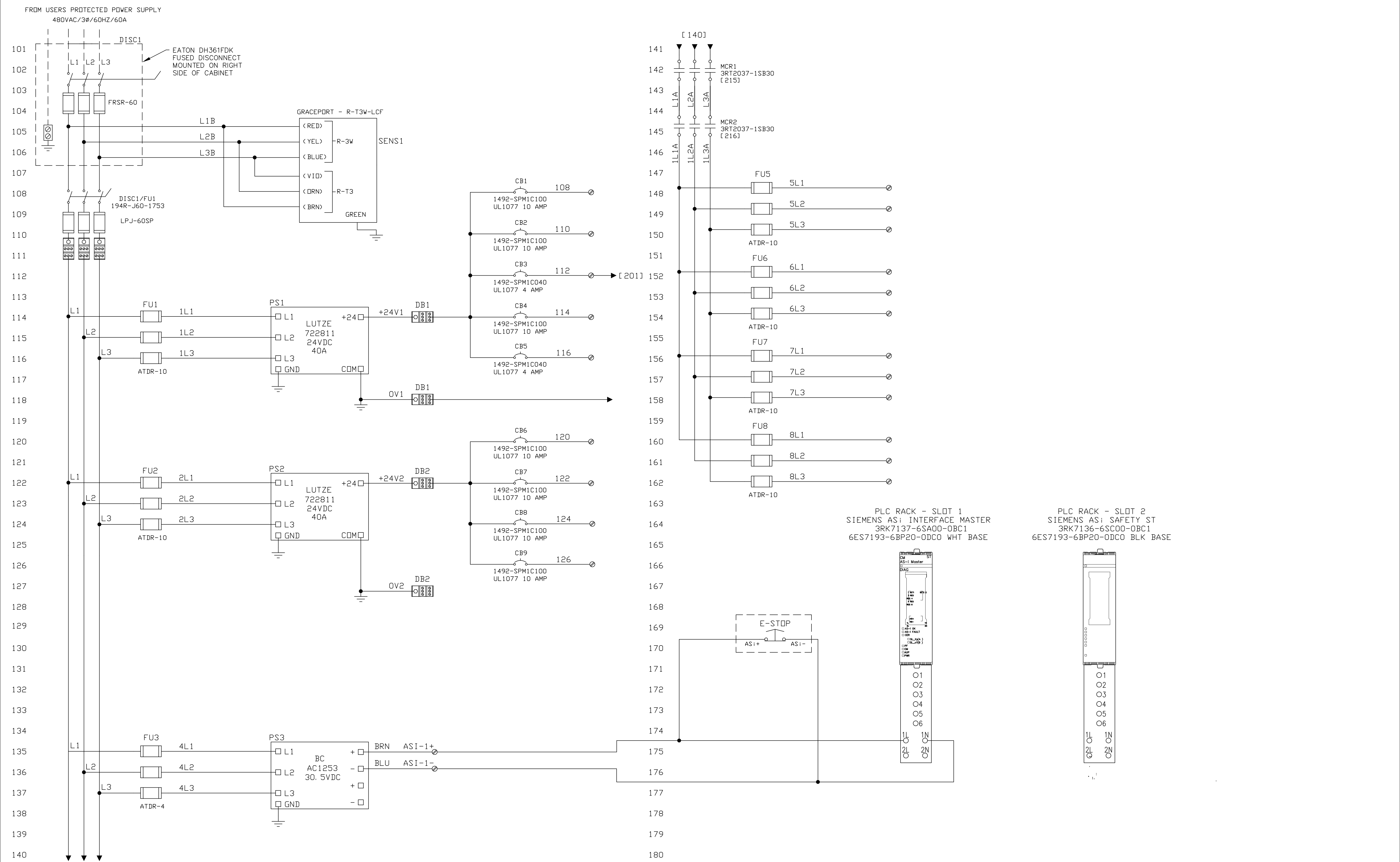
LEGEND

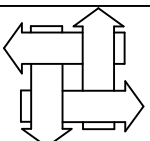
SOLID LINE = INTERNAL WIRING	<div></div>
DASHED LINE = FIELD WIRING	<div></div>
CONDUCTORS NOT JOINED	<div></div>
CONDUCTORS JOINED	<div></div>

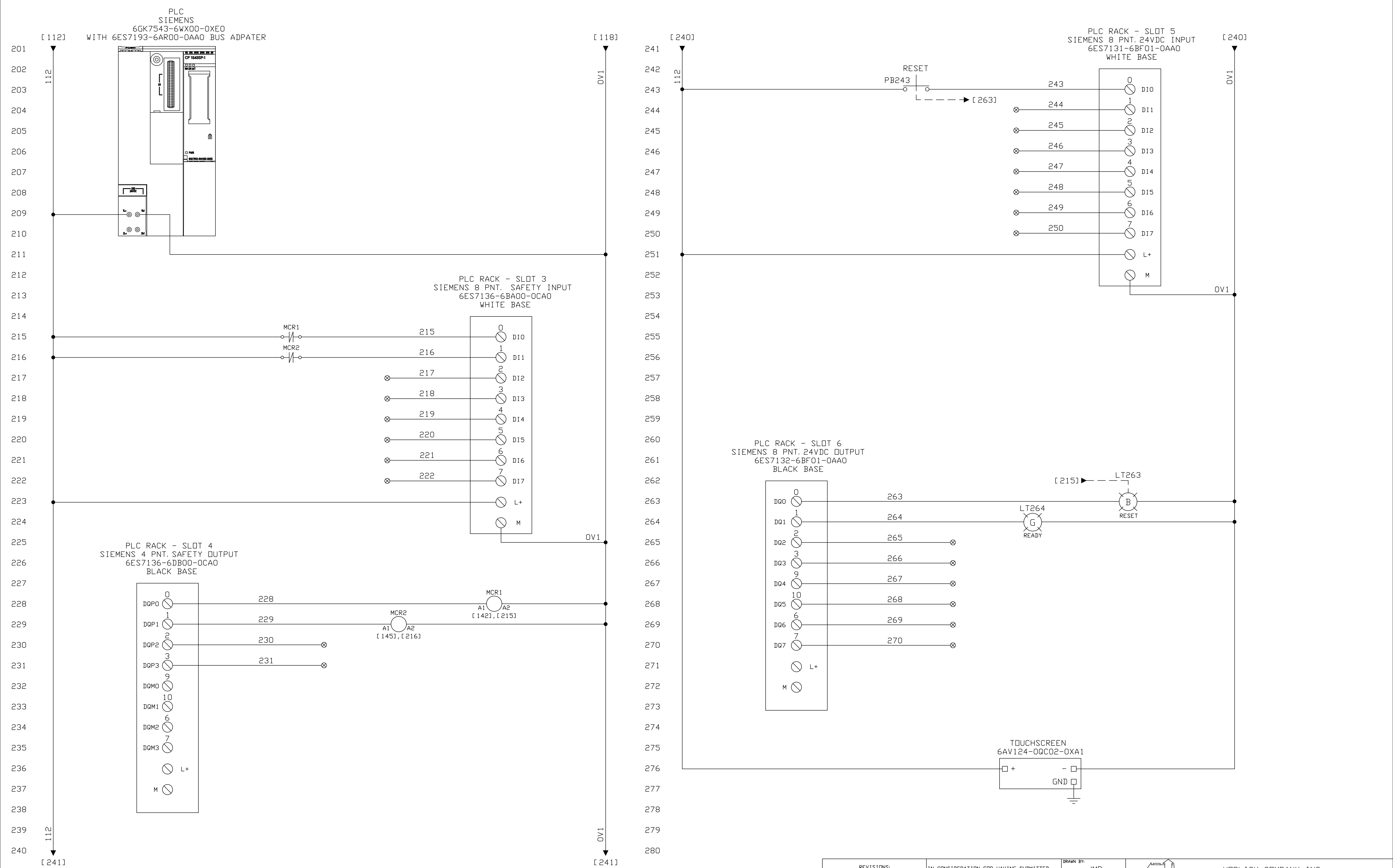
LINE NUMBER REFERENCE [ 1234 ]

TERMINAL BLOCK

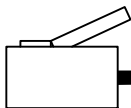
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				APPROVED BY: KW		
				SCALE: NONE		
				DATE: 3/29/21		
					BERSHIRE GREY BG109640 TABLE OF CONTENTS	SHEET NUMBER - 00



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		APPROVED:			
		SCALE: NONE	BERKSHIRE GREY BG109640 ELECTRICAL SCHEMATIC		SHEET NUMBER - 01
		DATE: 3/29/21			



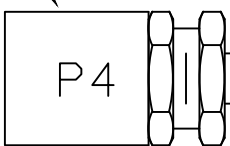
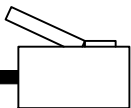
TO ETHERNET  
PORT ON PLC  
PROCESSOR



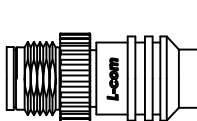
CBL4

(L-COM TRD695BL-3)

HARTING  
21033812401  
P3 & P4

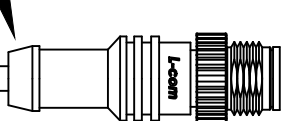


SAFETY CONFIG.



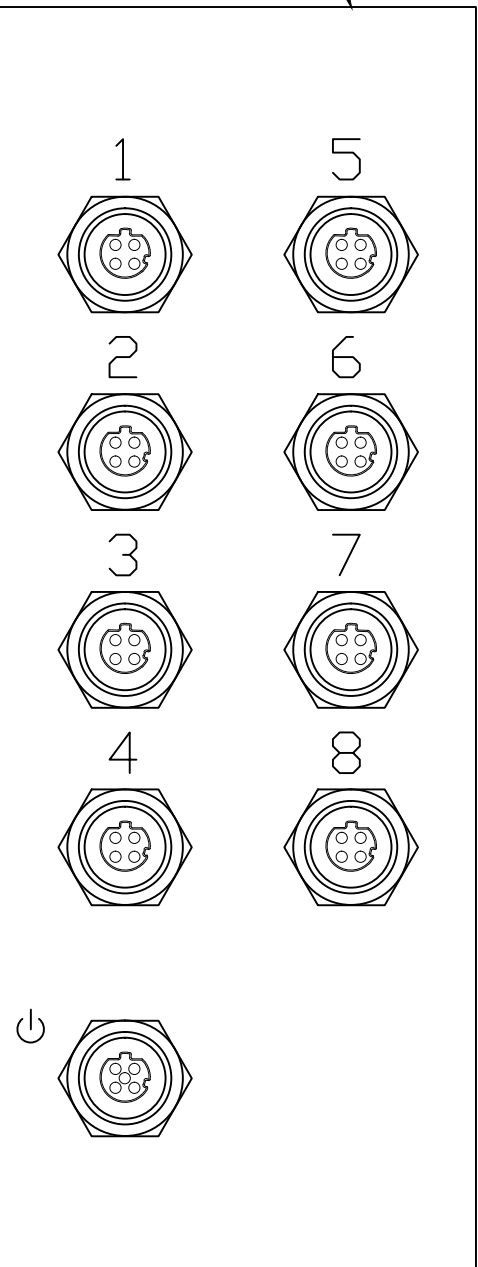
CBL1

L-COM  
M12M124D-0.5



PLANET TECH  
ISW-800T-M12

SW1



[ 112 ]

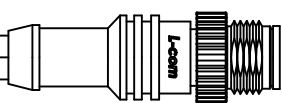
112

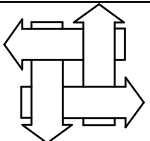
PIN 2 (WHITE)

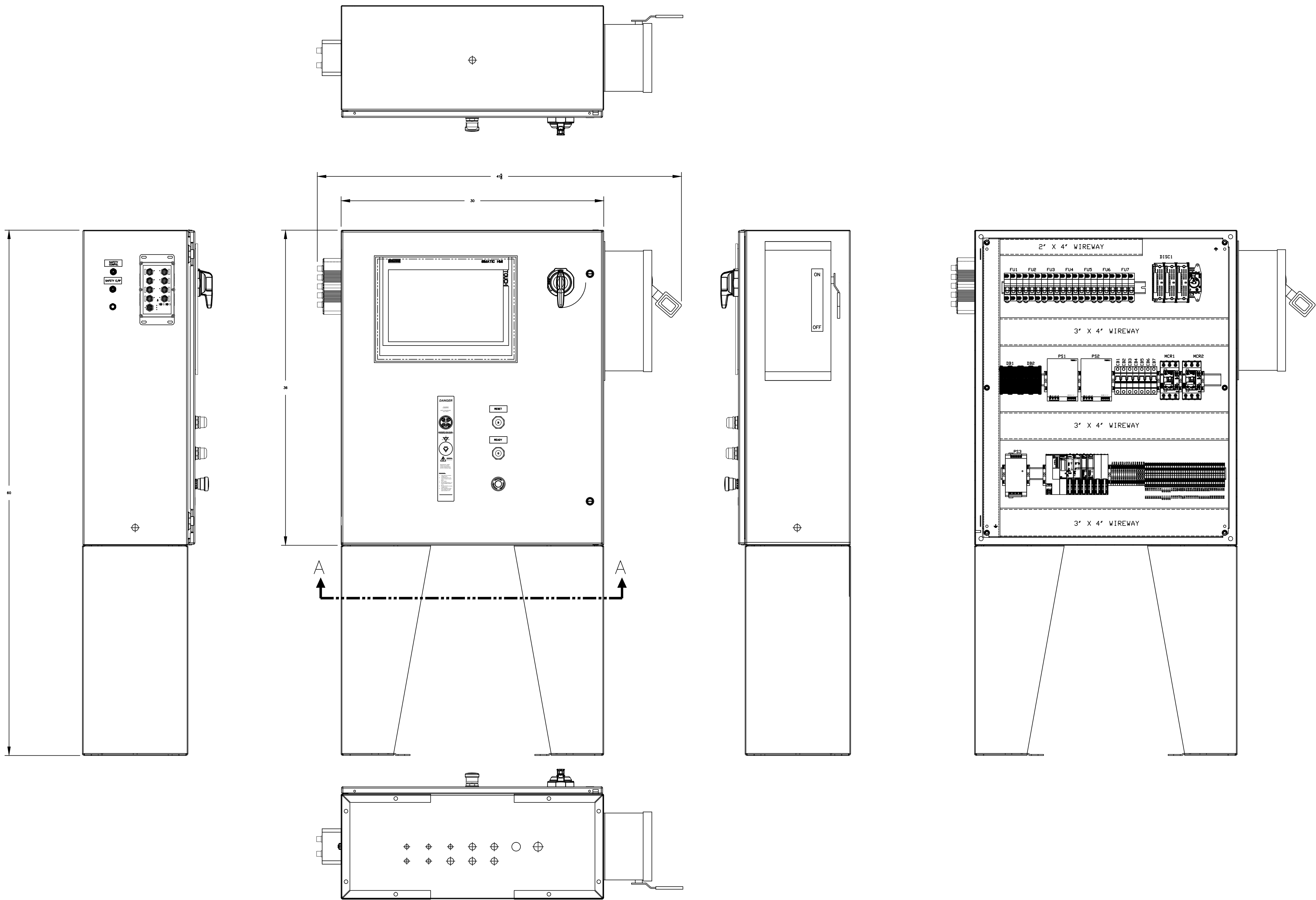
OV

PIN 1 (BROWN)

PIN 5 (GREEN)



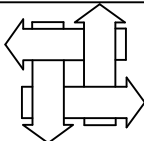
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		APPROVED:		
		SCALE: NONE	BERKSHIRE GREY BG109640 ETHERNET TOPOLOGY	SHEET NUMBER - 03
		DATE: 3/29/21		



SECTION A-A

NOTE(S):

1. PAINT ENCLOSURE USING SHERWIN WILLIAMS TPLUS F63EXB30070-5267 (RAL-9011)

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		SCALE: NONE	BERKSHIRE GREY BG109640 ENCLOSURE & SUB PANEL LAYOUTS	SHEET NUMBER - 04
		DATE: 3/29/21		