






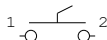





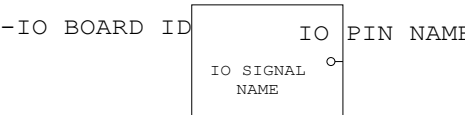





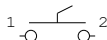





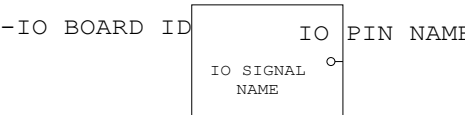





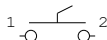





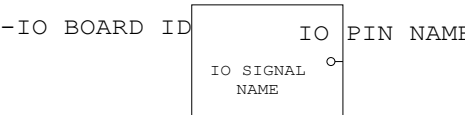


# SMARTRISE

Job Name: Nav Canada

Job Number: 200610-003

CAR ID: =CAR2




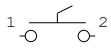



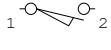
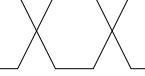
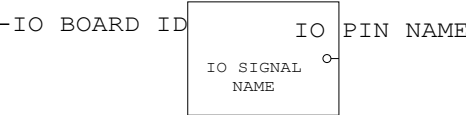


Date: Jul-08-2020 05:46 PM UTC

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1	<div><div>Reference Designators</div><table><tr><td>++BLD : Building</td></tr><tr><td>+FIRE : Fire Panel</td></tr><tr><td>+GEN : Generator</td></tr><tr><td>++MR : Machine Room</td></tr><tr><td>+GOV : Governor</td></tr><tr><td>+MRC : Machine Room Controller</td></tr><tr><td>+MRD : Main Machine Room Disconnect</td></tr><tr><td>+MRD2 : Auxiliary Machine Room Disconnect</td></tr><tr><td>+MRSM : Smoke Sensors</td></tr><tr><td>+MTR : Machine/Motor</td></tr><tr><td>+SCE : Security System</td></tr><tr><td>+SEISMIC : Seismic Sensor</td></tr><tr><td>+UPS : Battery Backup Unit(Uninterrupted Power Supply)</td></tr><tr><td>++C : Car</td></tr><tr><td>+COP : Car Operating Panel</td></tr><tr><td>+CTC : Car Top Controller</td></tr><tr><td>+CTI : Car Top Inspection Station</td></tr><tr><td>+CTS : Car Top Safeties</td></tr><tr><td>+DOOR : Door Operator</td></tr><tr><td>+ESCH : Escape Hatch</td></tr><tr><td>+FAN : Fan</td></tr><tr><td>+CPI : Car Position Indicator</td></tr><tr><td>+LDS : Landing System</td></tr><tr><td>+LIGHT : Light</td></tr><tr><td>+LWD : Load Weighing Device</td></tr><tr><td>++HOIST : Hoistway</td></tr><tr><td>+BFL : Bottom Final Limit</td></tr><tr><td>+TFL : Top Final Limit</td></tr><tr><td>+BUF : Buffer</td></tr><tr><td>+HLB : Hall Station at the Bottom Landing</td></tr><tr><td>+HLT : Hall Station at the Top Landing</td></tr><tr><td>+HPI : Hall Position Indicator</td></tr><tr><td>+HOIST : General Hoistway Location</td></tr><tr><td>+PIT : Hoistway Pit</td></tr><tr><td>+LSD : Landing System</td></tr></table></div>										++BLD : Building	+FIRE : Fire Panel	+GEN : Generator	++MR : Machine Room	+GOV : Governor	+MRC : Machine Room Controller	+MRD : Main Machine Room Disconnect	+MRD2 : Auxiliary Machine Room Disconnect	+MRSM : Smoke Sensors	+MTR : Machine/Motor	+SCE : Security System	+SEISMIC : Seismic Sensor	+UPS : Battery Backup Unit(Uninterrupted Power Supply)	++C : Car	+COP : Car Operating Panel	+CTC : Car Top Controller	+CTI : Car Top Inspection Station	+CTS : Car Top Safeties	+DOOR : Door Operator	+ESCH : Escape Hatch	+FAN : Fan	+CPI : Car Position Indicator	+LDS : Landing System	+LIGHT : Light	+LWD : Load Weighing Device	++HOIST : Hoistway	+BFL : Bottom Final Limit	+TFL : Top Final Limit	+BUF : Buffer	+HLB : Hall Station at the Bottom Landing	+HLT : Hall Station at the Top Landing	+HPI : Hall Position Indicator	+HOIST : General Hoistway Location	+PIT : Hoistway Pit	+LSD : Landing System	<div><div>Symbol Definitions</div><table><tr><td></td><td>BUZZER</td></tr><tr><td></td><td>Normally Closed Contact</td></tr><tr><td></td><td>Normally Open Contact</td></tr><tr><td></td><td>Key Switch</td></tr><tr><td></td><td>Lamp</td></tr><tr><td></td><td>Normally Open Push Button</td></tr><tr><td></td><td>Normally Closed Push Button</td></tr><tr><td></td><td>Switch</td></tr><tr><td></td><td>Twisted Wire Pair</td></tr><tr><td colspan="2">PCB Input/Output</td></tr><tr><td colspan="2"></td></tr><tr><td></td><td>Terminal Block</td></tr><tr><td></td><td>Relay/Contactor Coil</td></tr></table></div>											BUZZER		Normally Closed Contact		Normally Open Contact		Key Switch		Lamp		Normally Open Push Button		Normally Closed Push Button		Switch		Twisted Wire Pair	PCB Input/Output					Terminal Block		Relay/Contactor Coil
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## Reference Designators

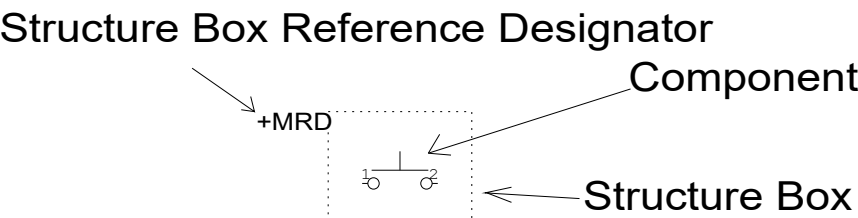
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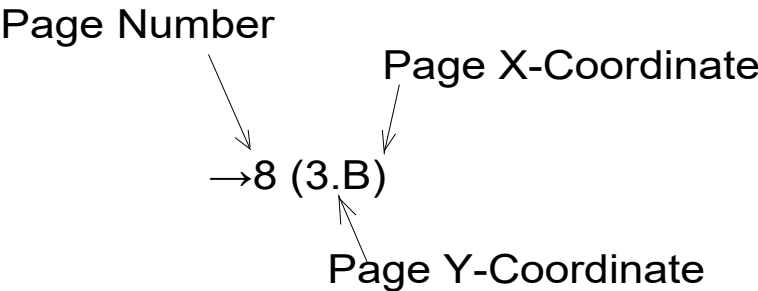
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	Twisted Wire Pair
PCB Input/Output	
	
	Terminal Block
	Relay/Contactor Coil

## Structure Box Example

If a component, that is shown on a particular page, is located in a different physical location than what is indicated, at the bottom of the page, by the Car, Installation Site, and Mounting Location, then the component(s) will be surrounded by a structure box that indicates where the component(s) are physically located.



## Cross Reference Example





	A	B	C	D	E	F	G	H	I	J																																																																													
0	<table><tr><td>VERSION: C4</td><td>GROUP/ SIMPLEX:</td><td>MACHINE ROOM: X</td><td>CARTOP: X</td><td>COP: X</td><td>FIRE CODE: ASME A17.1:2010</td><td>ADDITIONAL:</td></tr></table>										VERSION: C4	GROUP/ SIMPLEX:	MACHINE ROOM: X	CARTOP: X	COP: X	FIRE CODE: ASME A17.1:2010	ADDITIONAL:	0																																																																					
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\*\*\*\*\* ORDER NOTES \*\*\*\*\*

ORDER SMARTRISE PRE-LABELED TRAVELER CABLE

ORDER SMARTRISE HOISTWAY CABLE

\*\*\*\*\* 469-678-8000 DIAL 1 \*\*\*\*\*

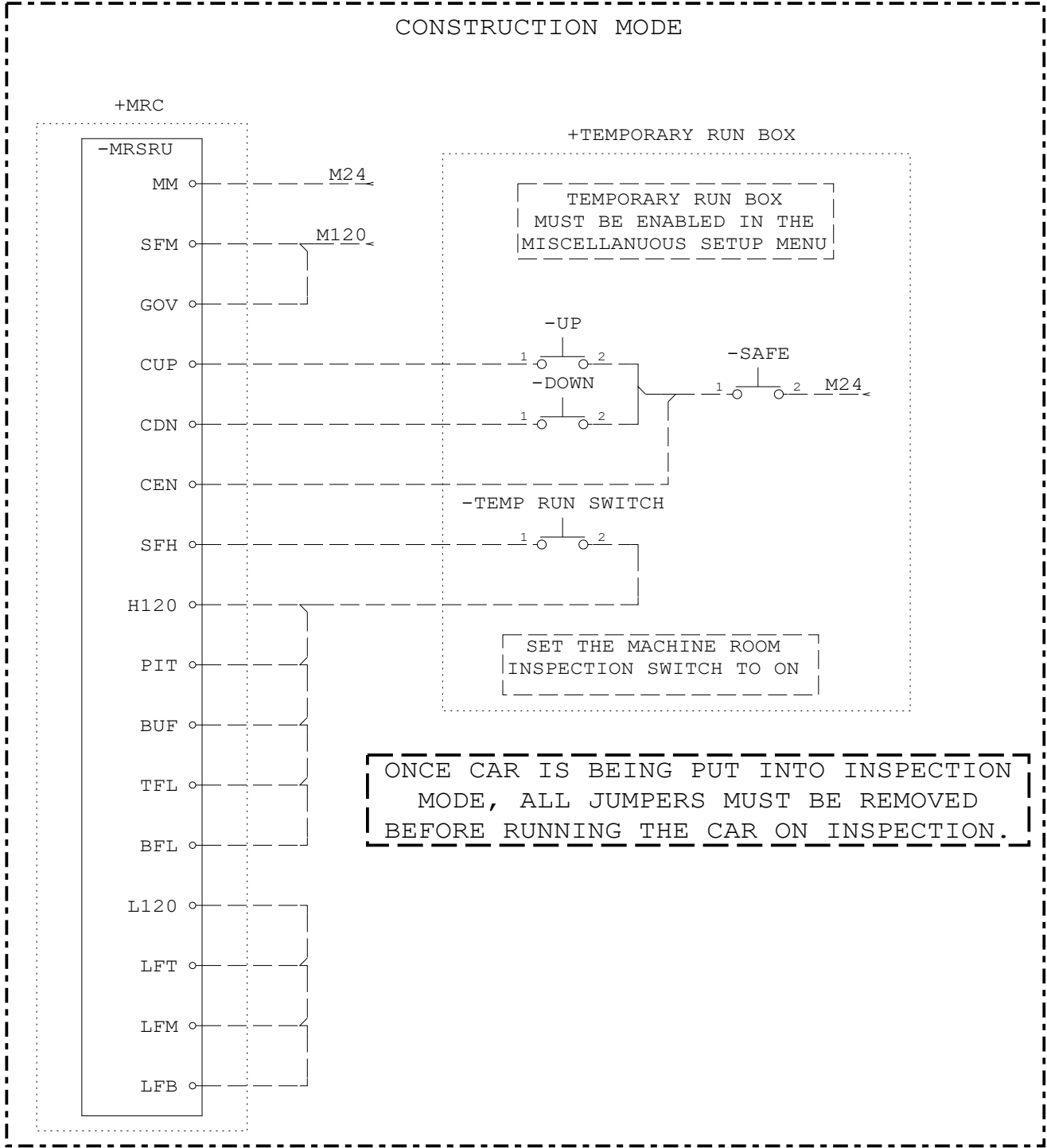
SMARTRISE CONTROLLERS WIRE COLORING SCHEME	
WIRE COLOR:	
BLACK	MAIN LINE VOLTAGE
RED	CONTROL CONDUCTORS (50-600 VOLTS)
WHITE	RETURN (50-600 VOLTS)
BLUE	POWER (0-50 VOLTS)
BLUE/WHITE	RETURN (0-50 VOLTS)
GREEN/YELLOW	EQUIPMENT GROUNDING CONDUCTOR

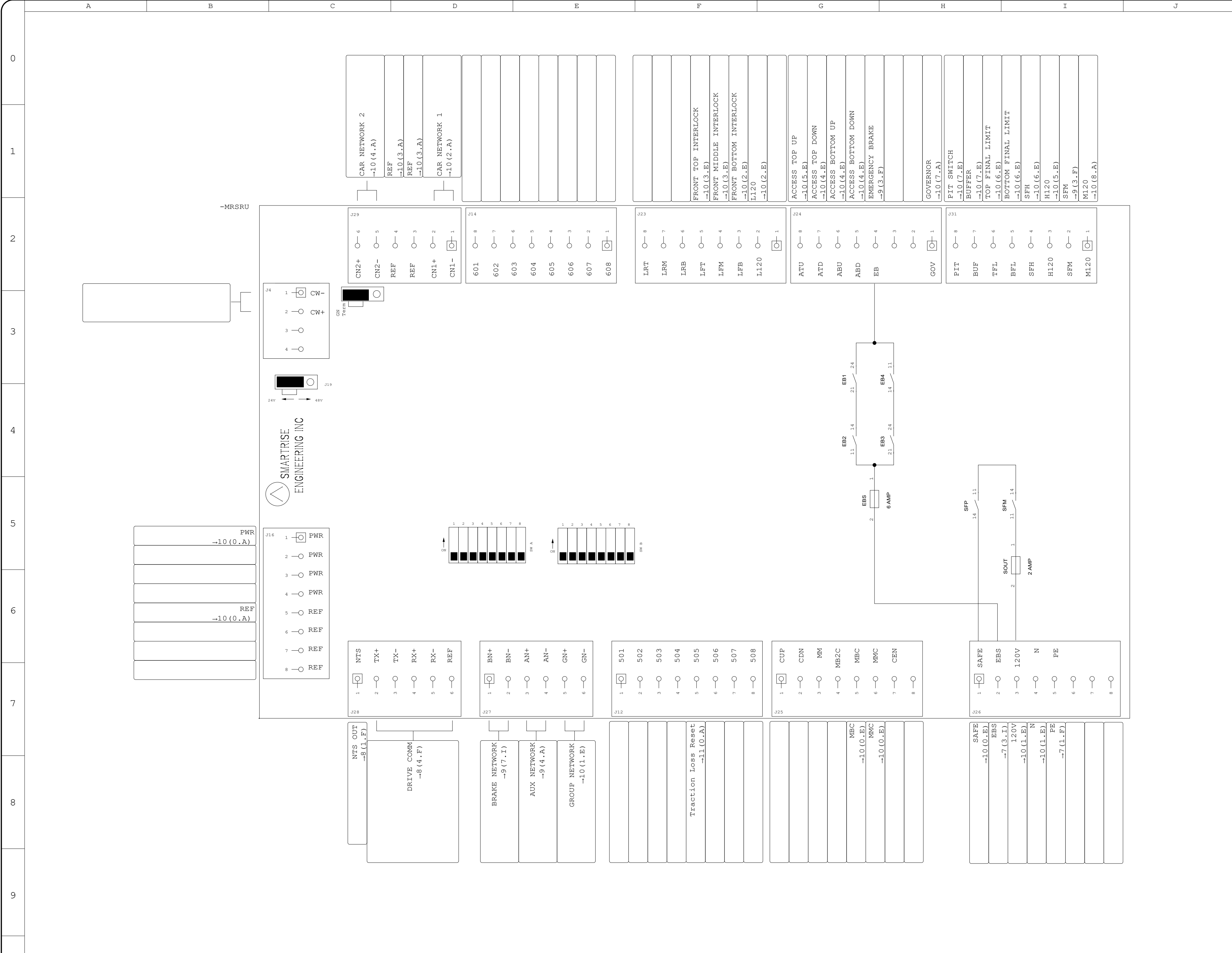
NOTE:  
WIRES NOTED [1] ARE 14 AWG  
WIRES NOTED [2] ARE 20-24 AWG SHIELDED PAIRS  
ANYTHING UNMARKED IS 18 AWG

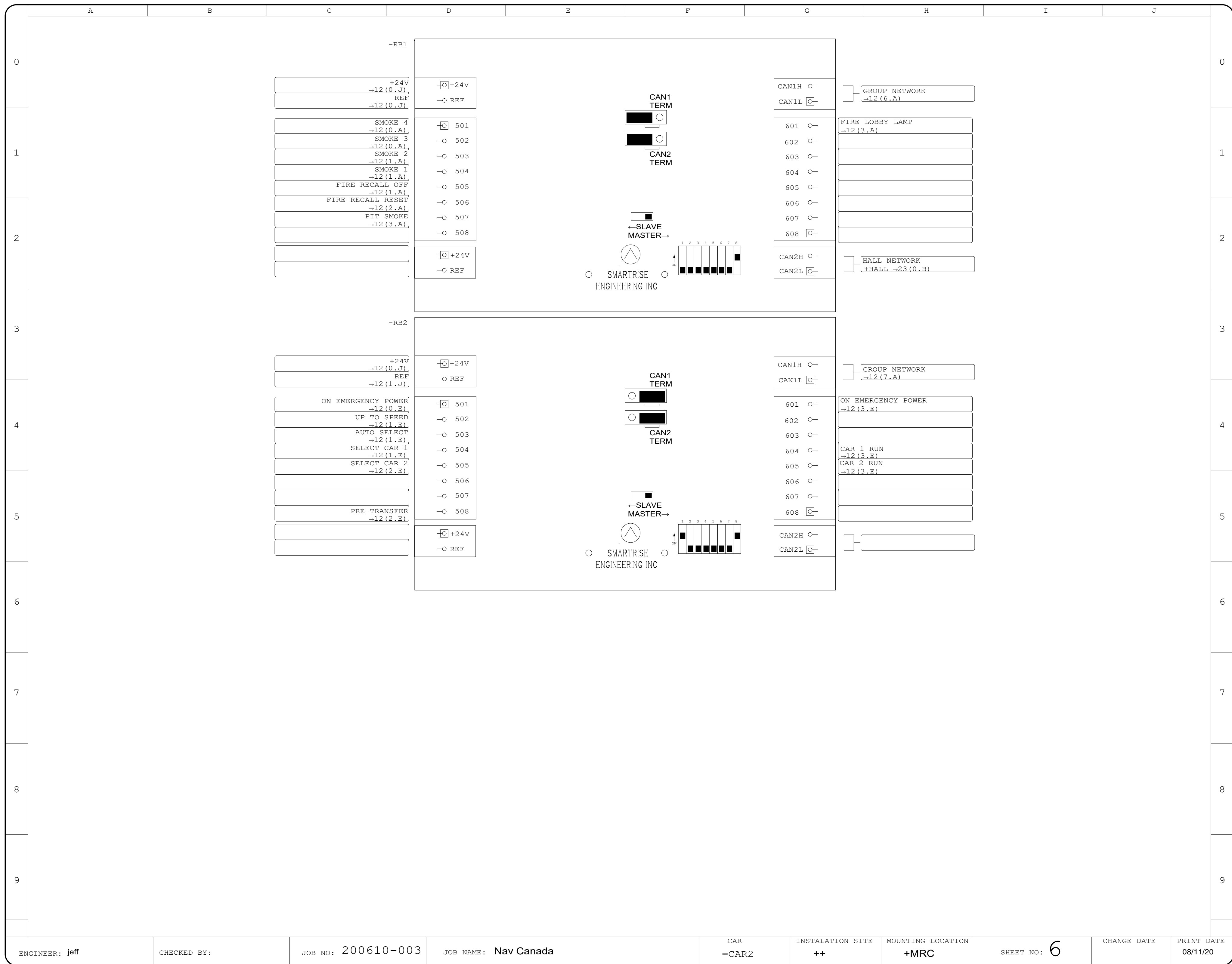
TRAVELING WIRES		
WIRE:	RECOMMENDED:	
CN1+ [2]	Pair : 1	
CN1- [2]	Pair : 1	
CN2+ [2]	Pair : 2	
CN2- [2]	Pair : 2	
TP1 [2]	Pair : 3	
TP2 [2]	Pair : 3	
REF	1	
120	2	
DRF	3	
N	4	
BLK [1]	BLACK	
WHT [1]	WHITE	
PE [1]	GREEN	

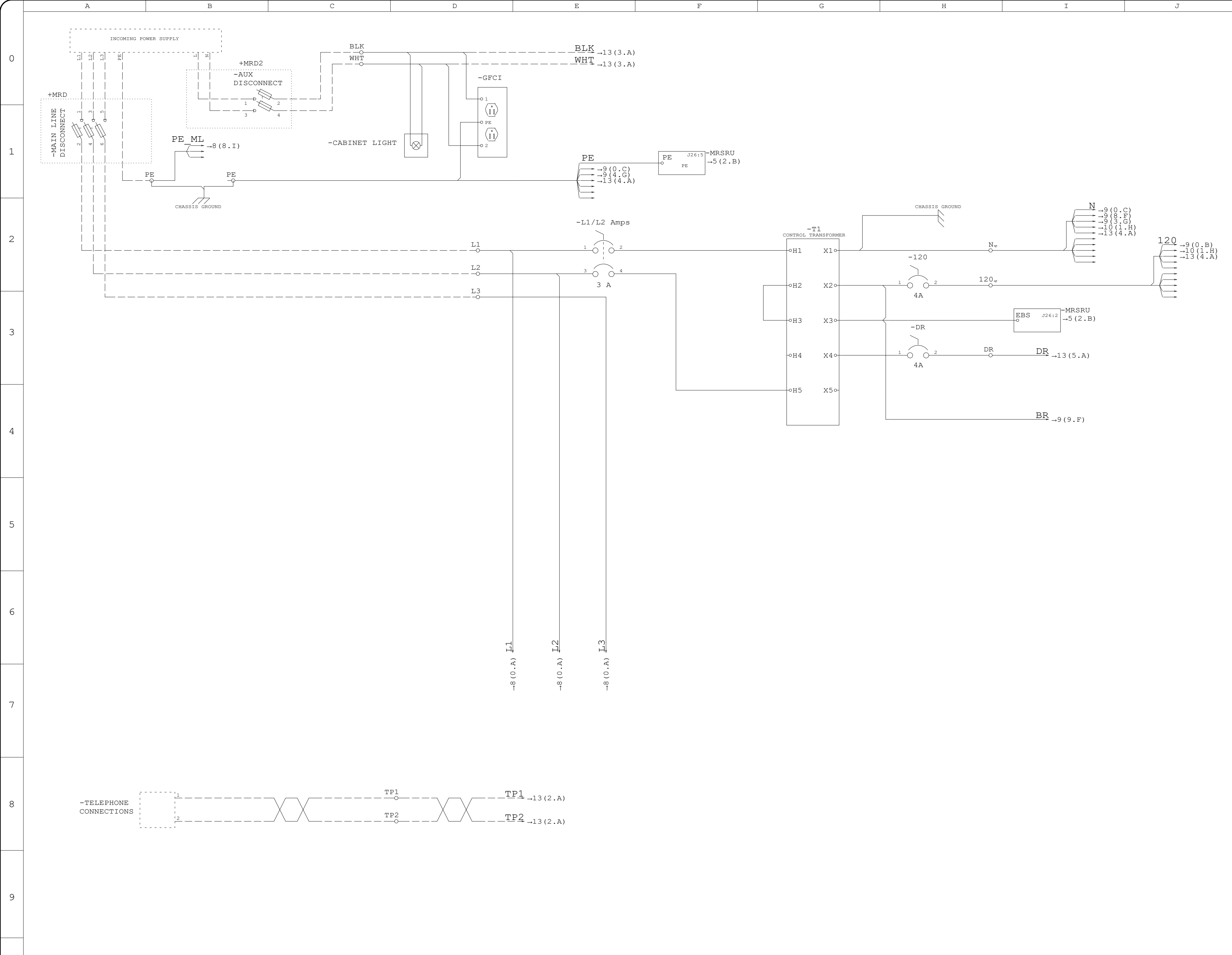
HOISTWAY WIRES		
WIRE:	RECOMMENDED:	
PIT	1	
BUF	2	
BFL	3	
TFL	4	
SFH	5	
H120	6	
ABD	7	
CE3	8	
FK	9	
FR	10	
H24	11	
REF	12	
ATU	13	
ATD	14	
ABU	15	
L120	16	
LFT	17	
LFM	18	
LFB	19	

DRIVE PARAMETERS		
PARAMETER SECTION	PARAMETER NAME	PARAMETER VALUE
Drive A1	CONTRACT CAR SPD	200
	CONTRACT MTR SPD	1164
	ENCODER PULSES	2048
	MTR TORQUE LIMIT	275%
	REGEN TORQ LIMIT	275%
	SPD DEV LOW LVL	20%
	SPD DEV LOW TIME	2.0 SEC
S-CURVE A2	NTSD SPEED	10
	ACCEL RATE 0	599.99
	DECEL RATE 0	599.99
	JERK@ACCEL START	60
	JERK@ACCEL END	60
	JERK@DECEL START	60
	JERK@DECEL END	60
POWER CONVER A4		
	INPUT VOLTAGE	0
MOTOR A5	MTR RATED POWER	15
	MTR RATED VOLTS	575
	MAX FREQUENCY	60
	MOTOR RATED FLA	15.2
	NUMBER OF POLES	6
	RATED MOTOR SPEED	1164
USER SWITCHES C1	SPD COMMAND SRC	Serial HPV Ref
	RUN COMMAND SRC	Serial HPV Seq
	SERIAL MODE	HPV MODE 1
	TERM A1 LEVEL	0-10 VDC
	TERM A2 LEVEL	0-10 VDC
	NTSD MODE	EXTERNAL
LOGIC INPUTS C2	TERM S1 FUNC SEL	Drive Enable
	TERM S2 FUNC SEL	Term Not Used
	TERM S3 FUNC SEL	NTSD INPUT 1
	TERM S4 FUNC SEL	Term Not Used
	TERM S5 FUNC SEL	Term Not Used
	TERM S6 FUNC SEL	Term Not Used
	TERM S7 FUNC SEL	Term Not Used
	TERM S8 FUNC SEL	Term Not Used
LOGIC OUTPUTS C3		
	M1-M2 FUNC SEL	SPEED REG RELEASE
ANALOG OUTPUTS C4		
	TERM FM FUNC SEL	SFS Output Speed
	TERM AM FUNC SEL	Motor Speed
BASICS U8		
	CONTROL METHOD	Closed Loop Vect
AUTOTUNE U9		
	TUNING MODE SEL	Tune - No Rotate 1

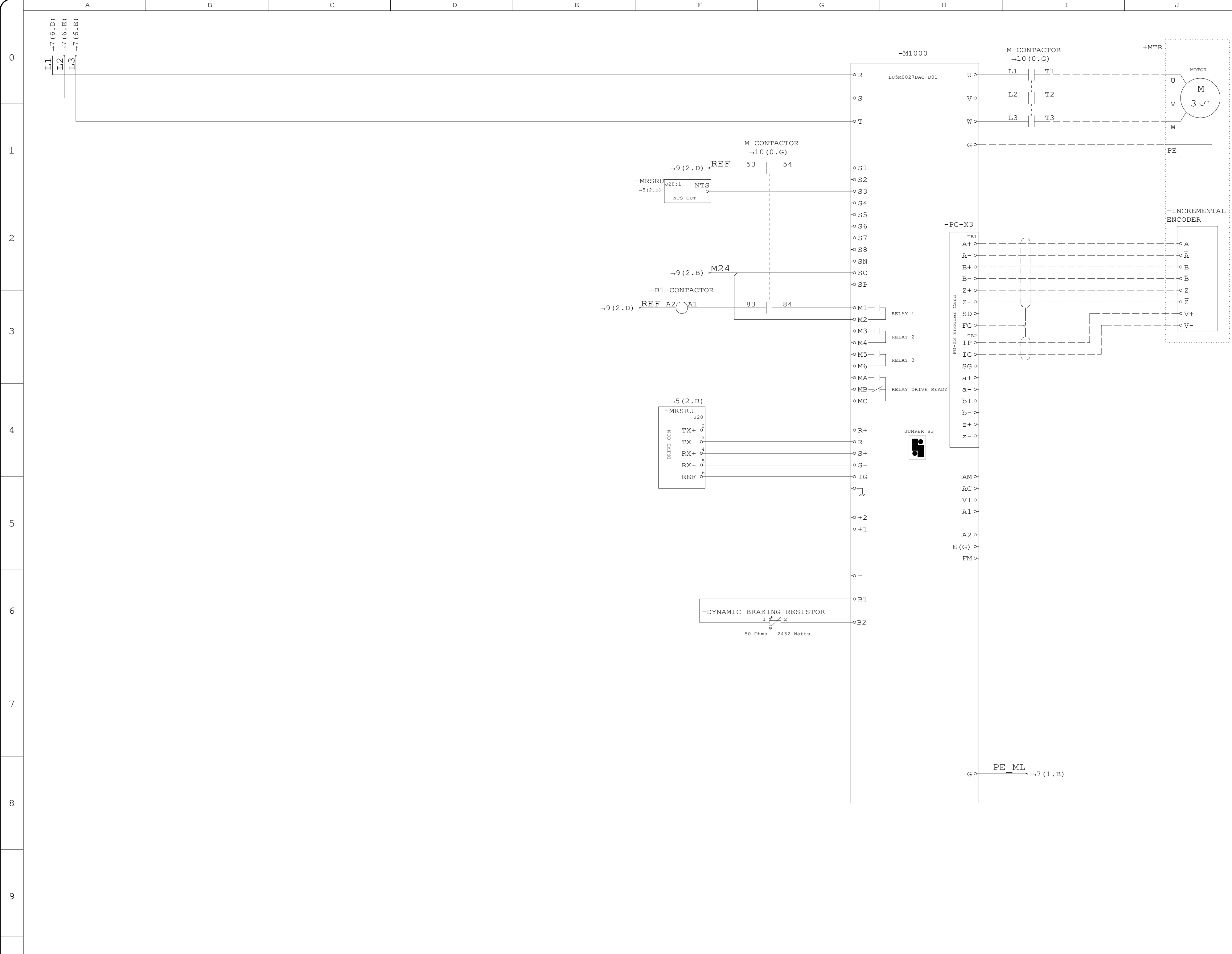


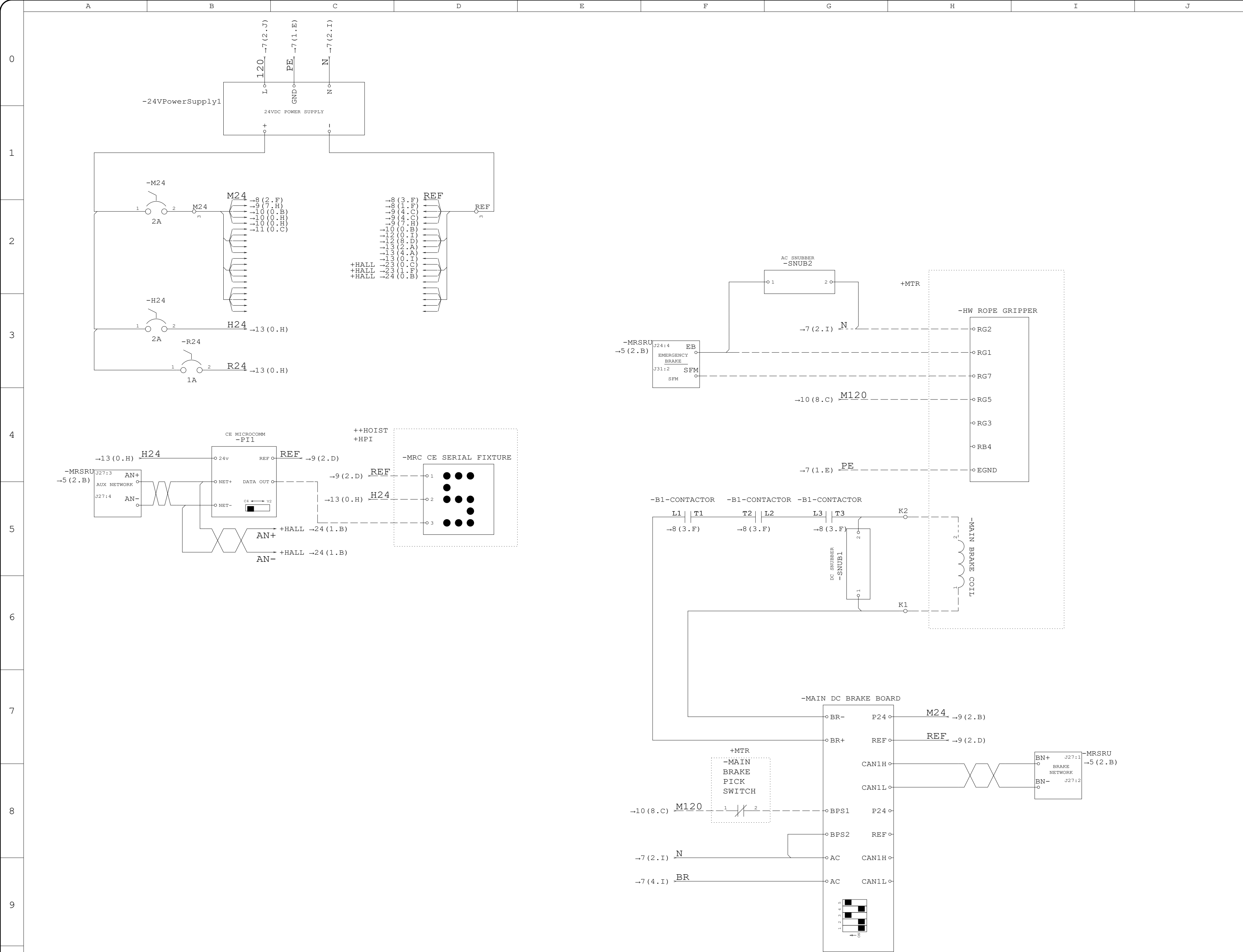


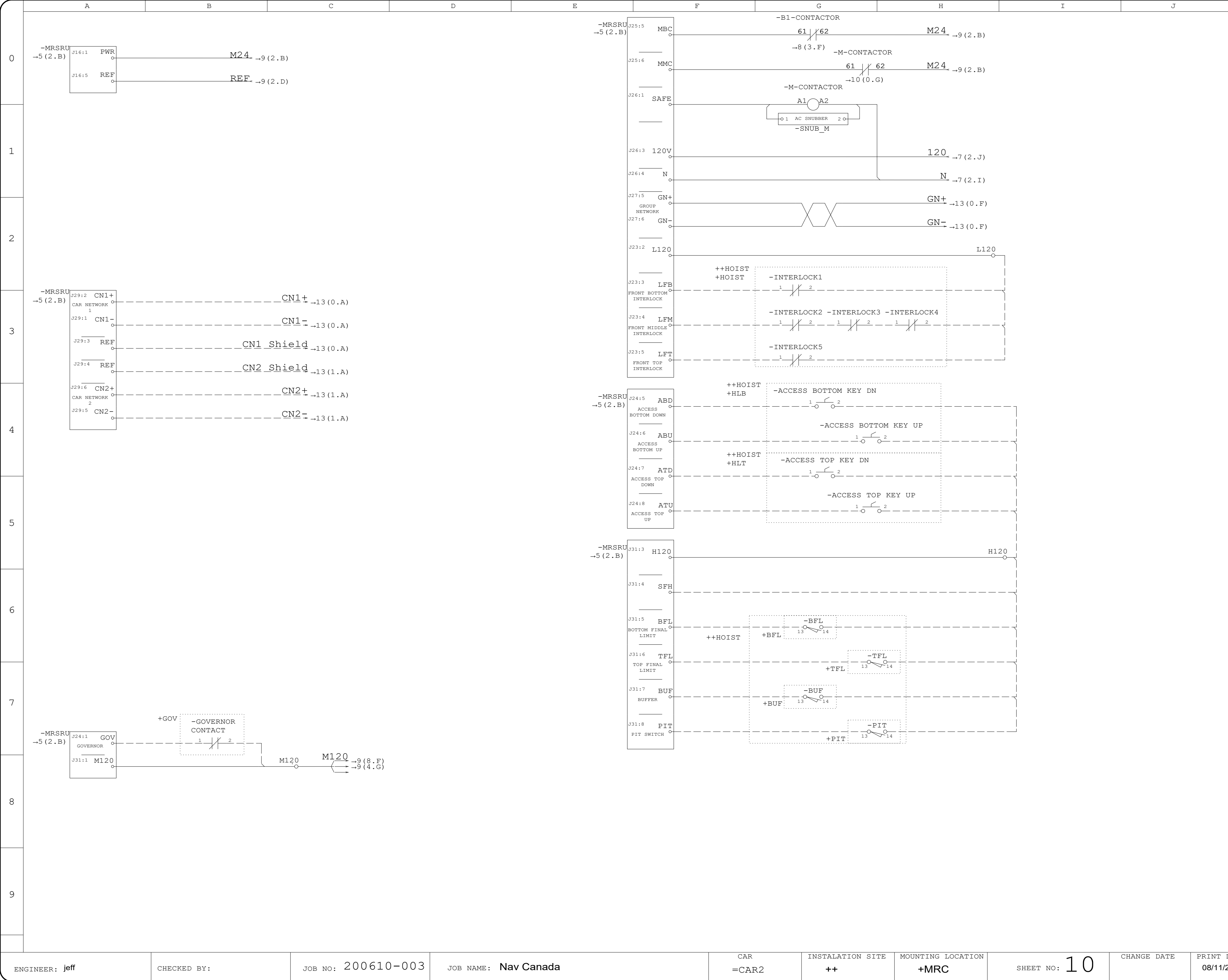


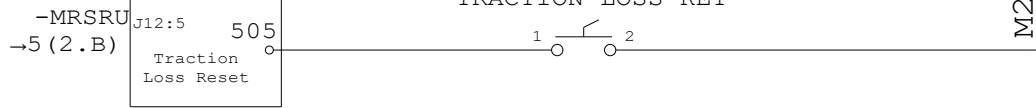


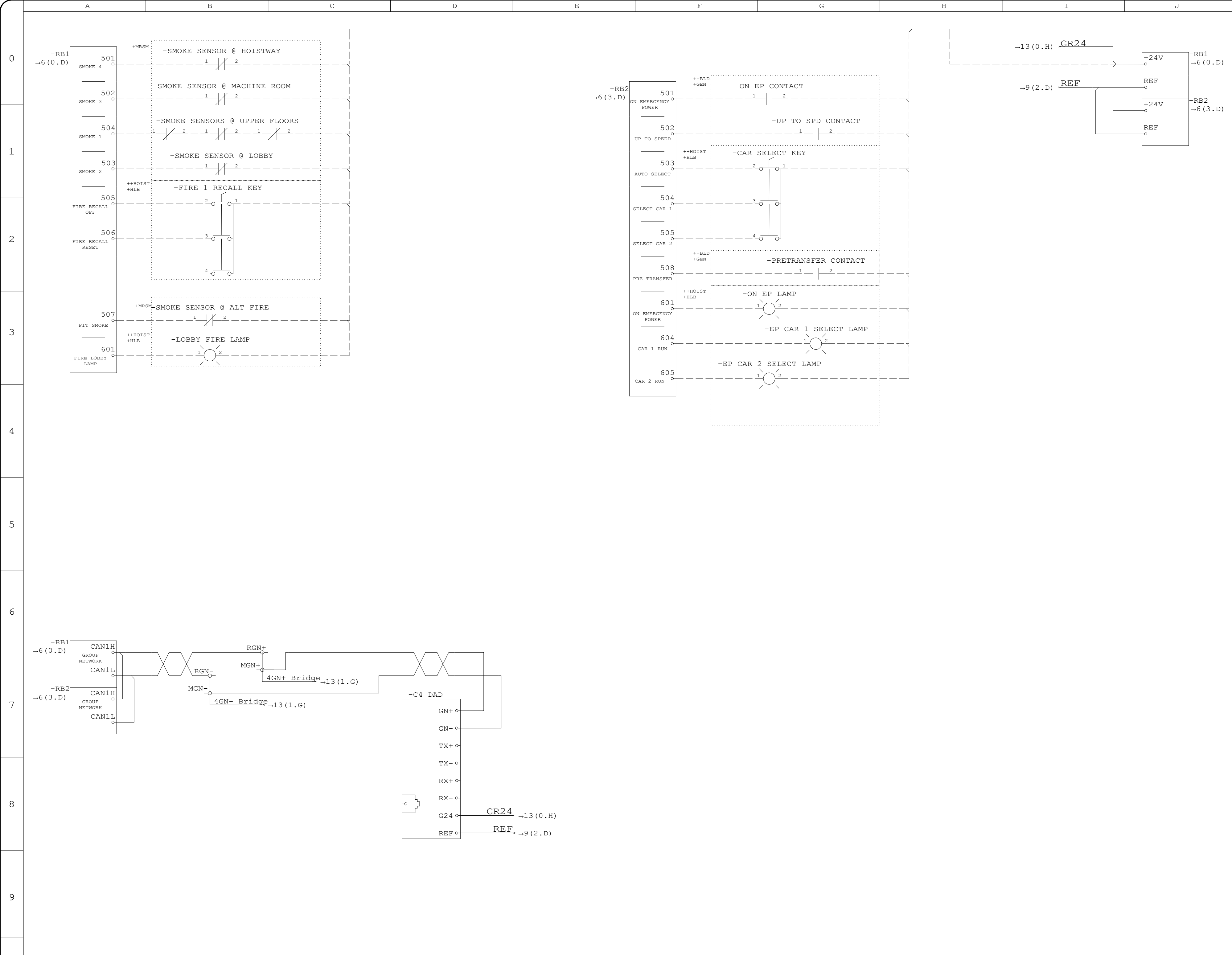


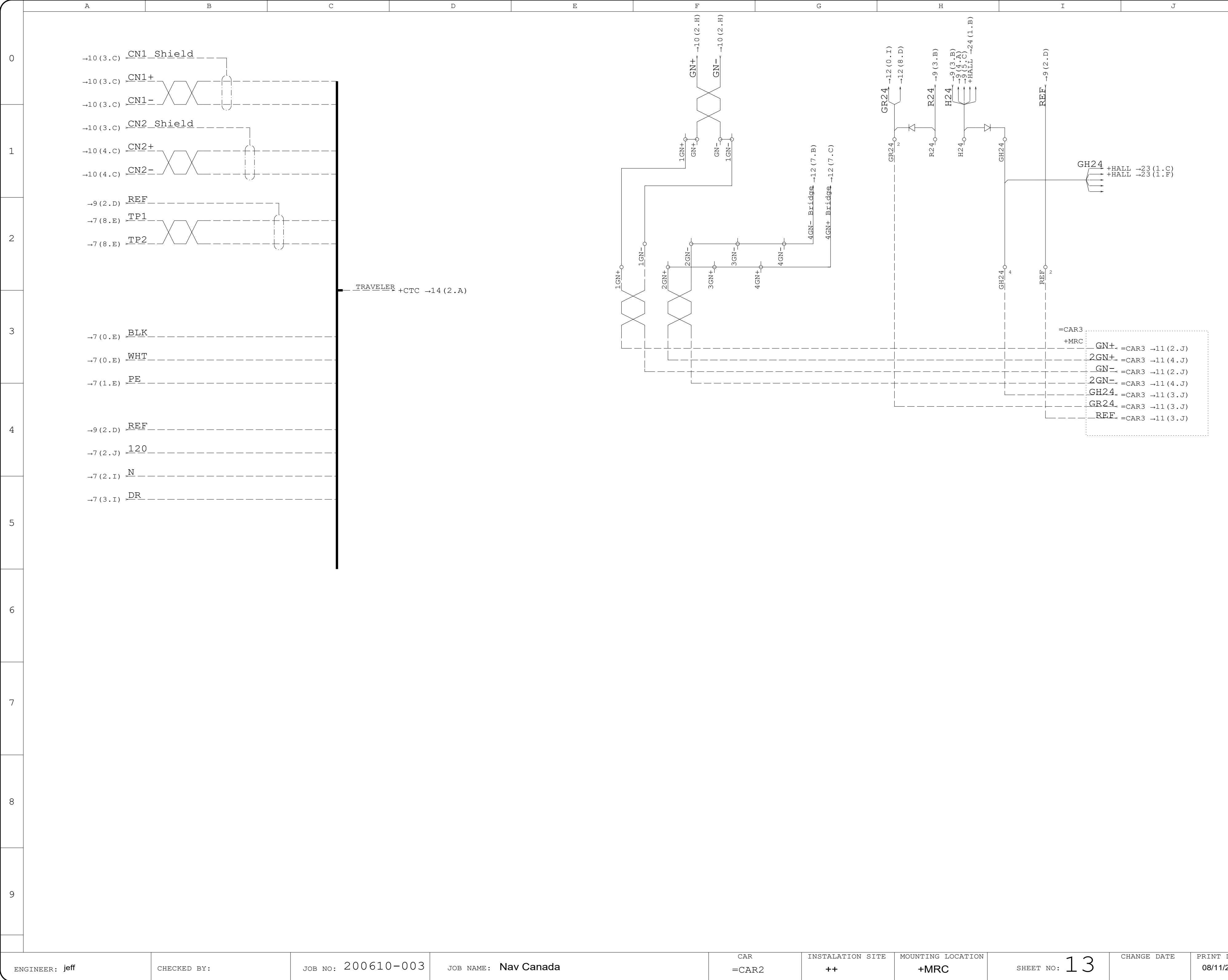


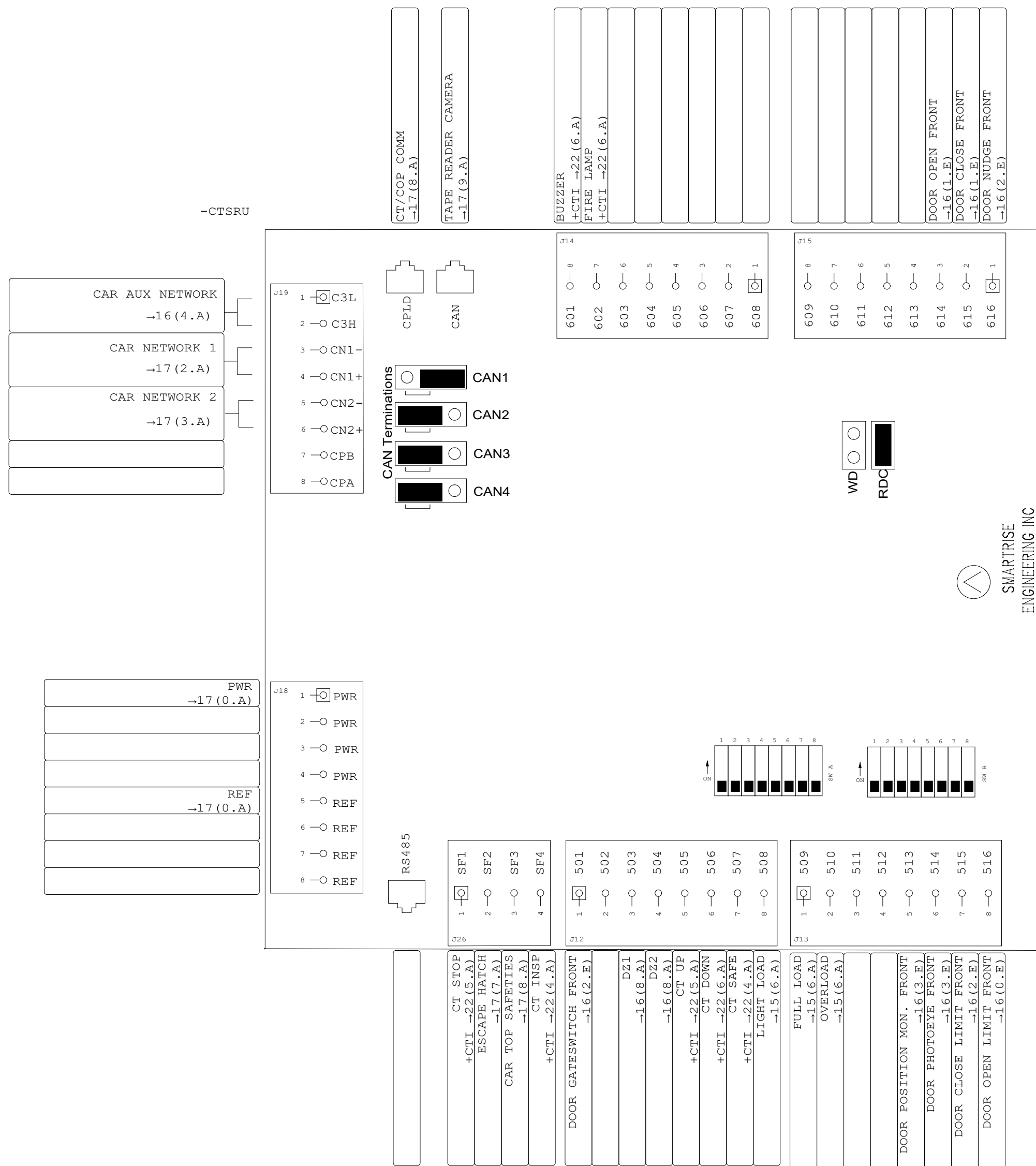
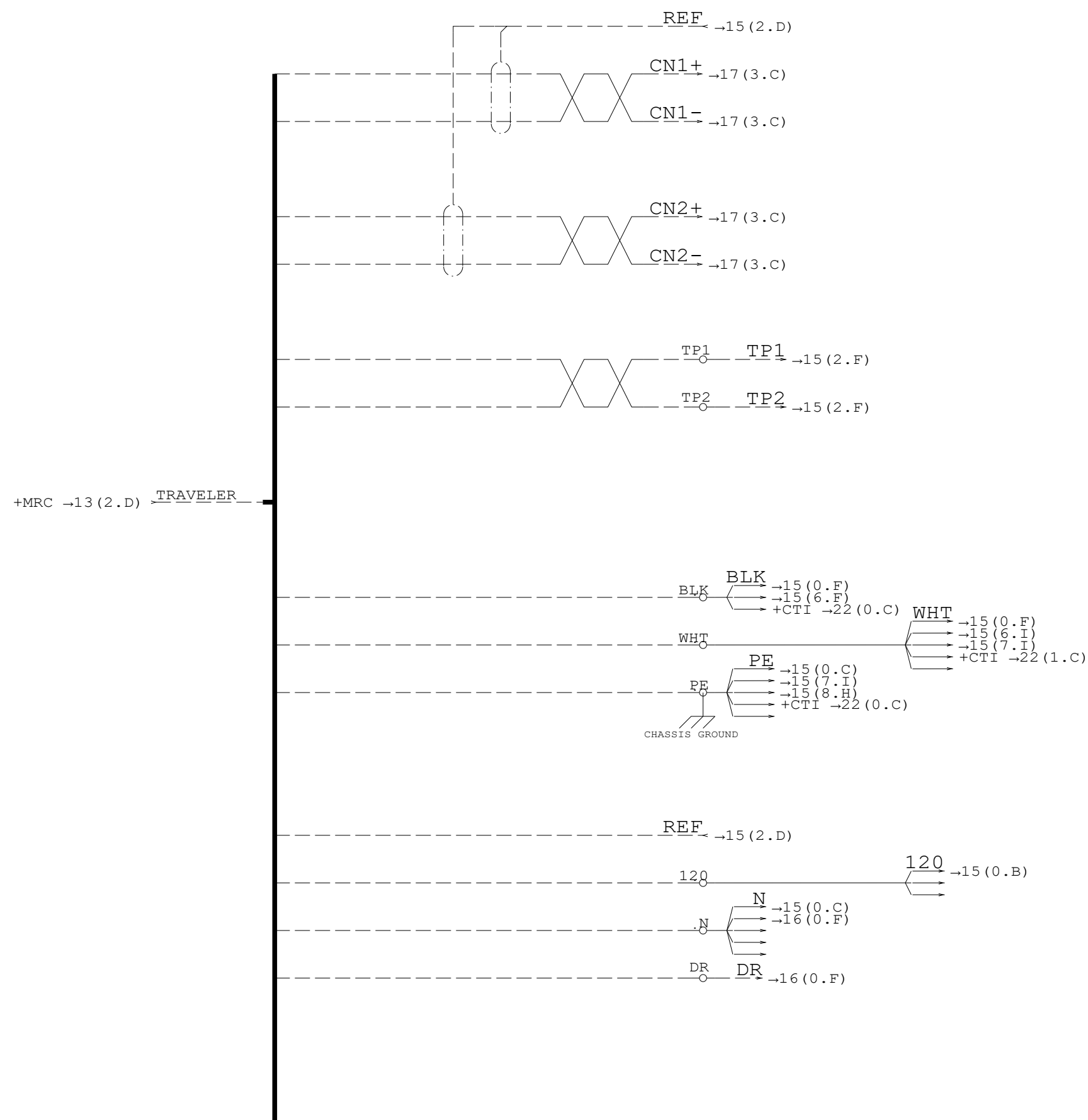


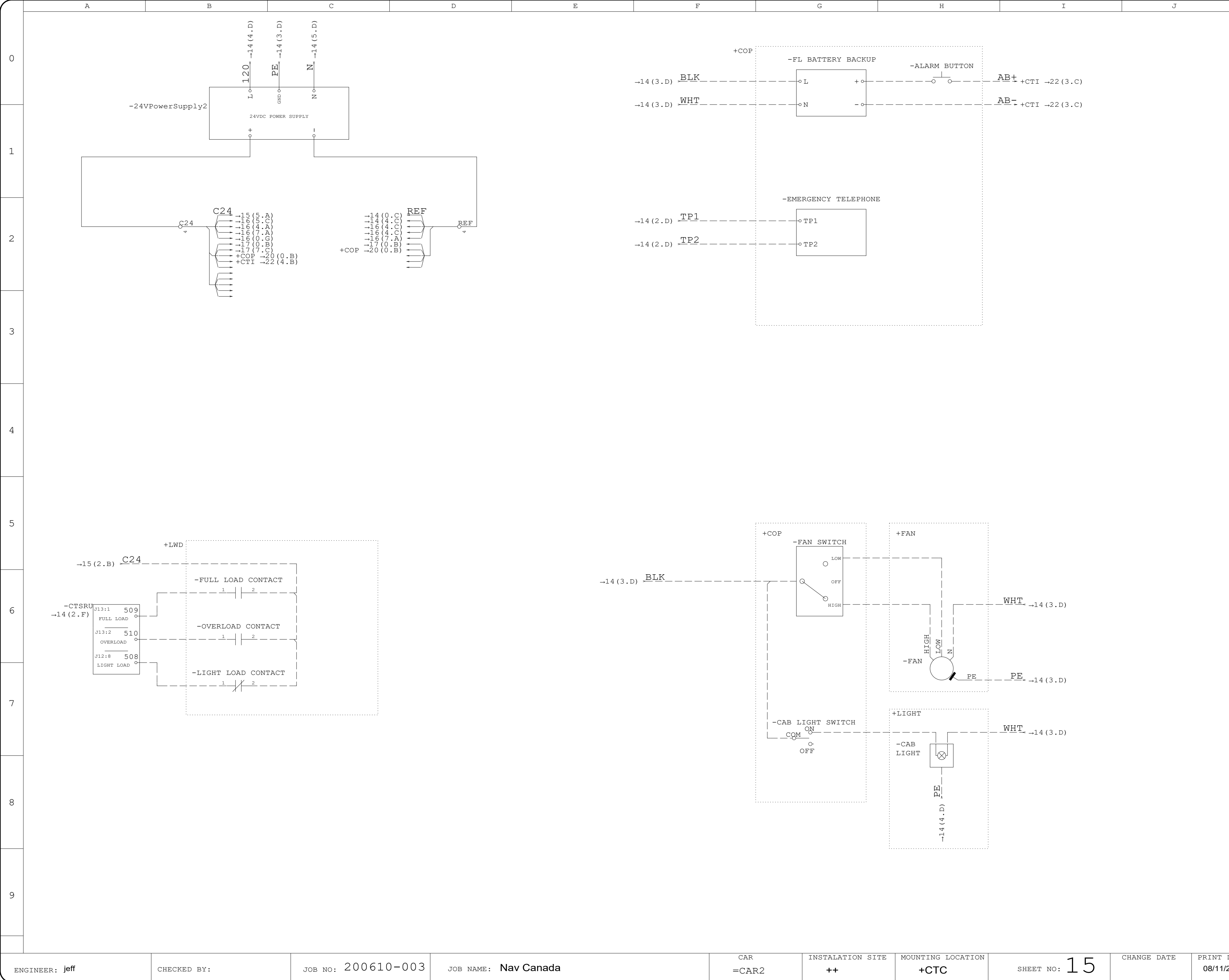




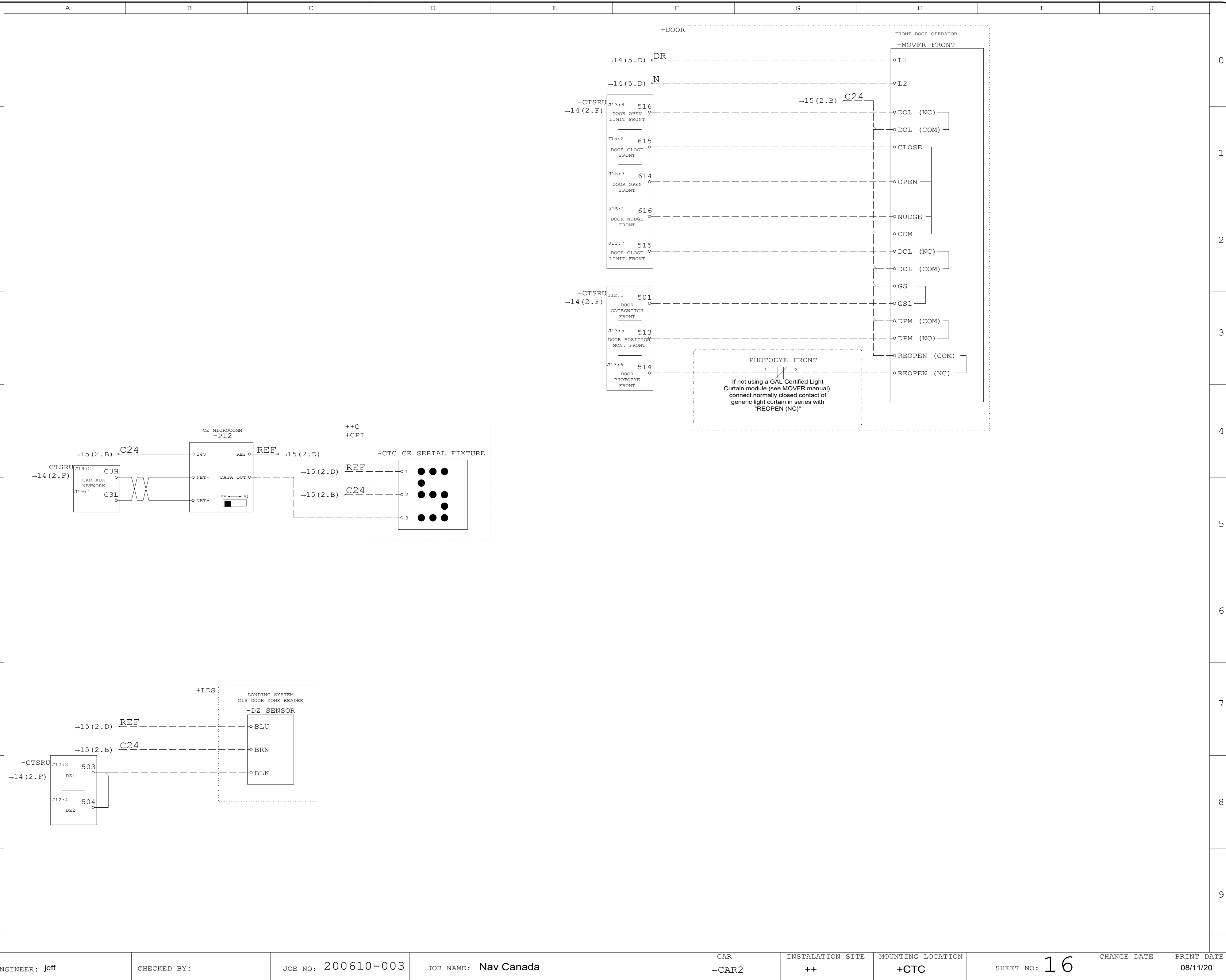


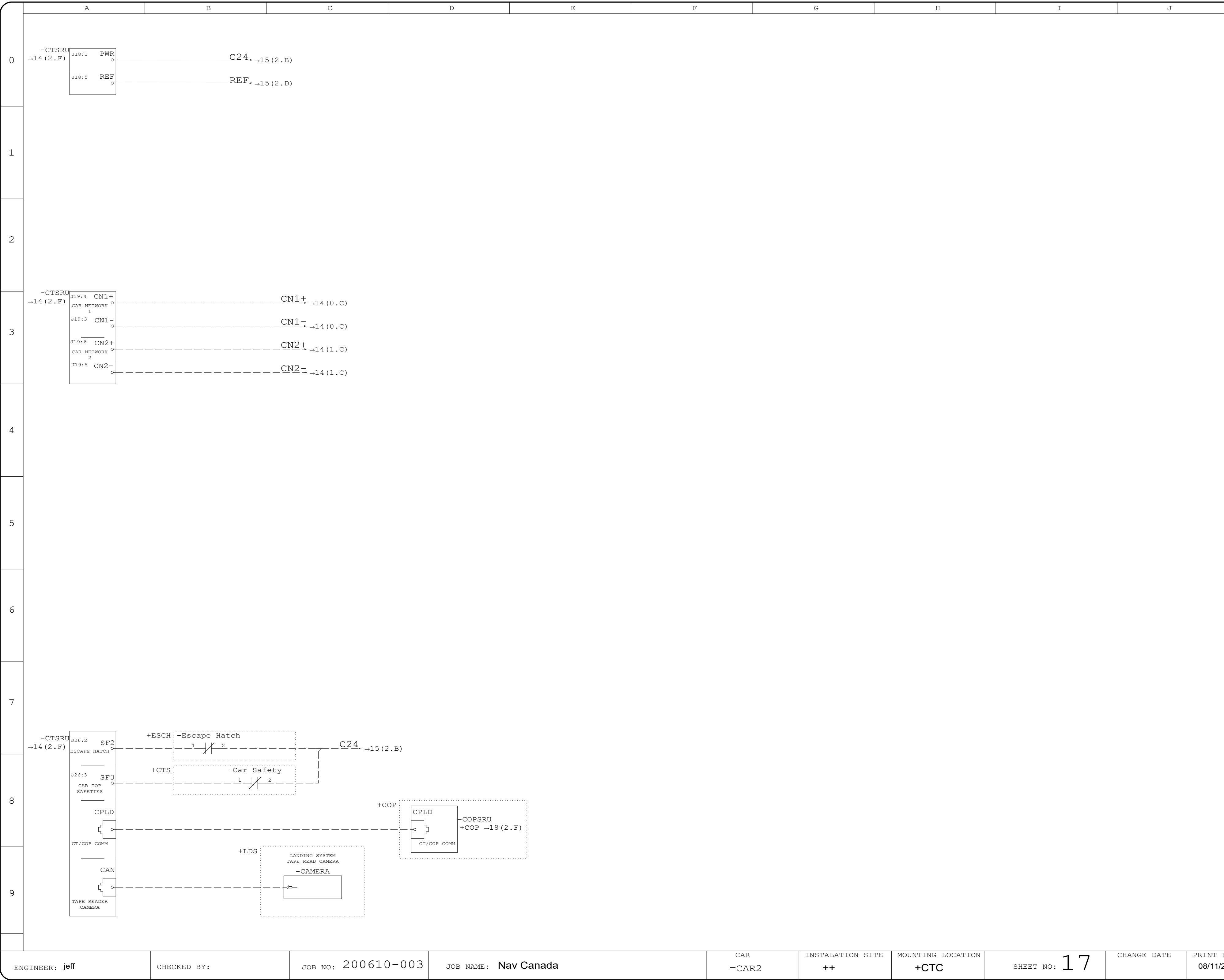




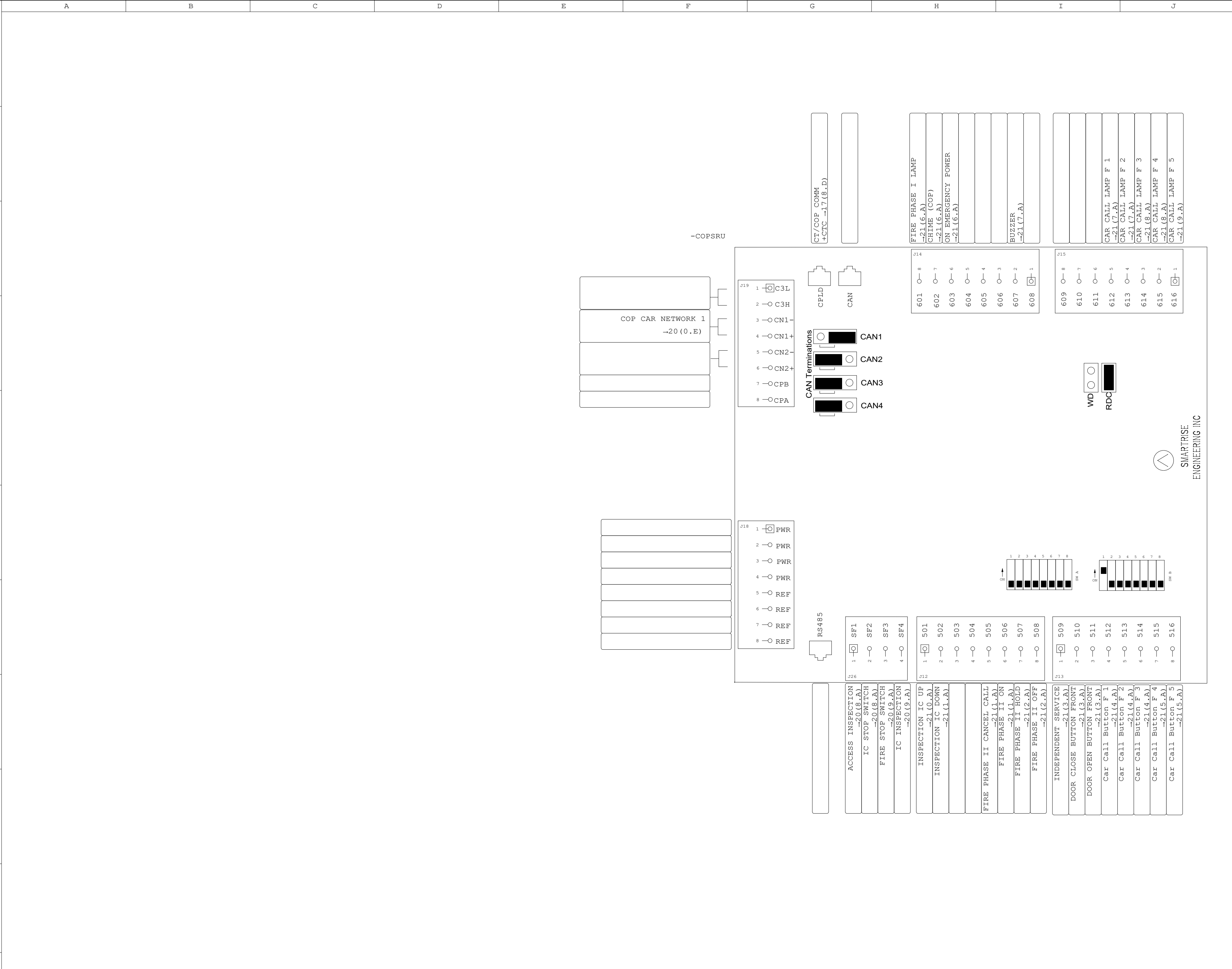


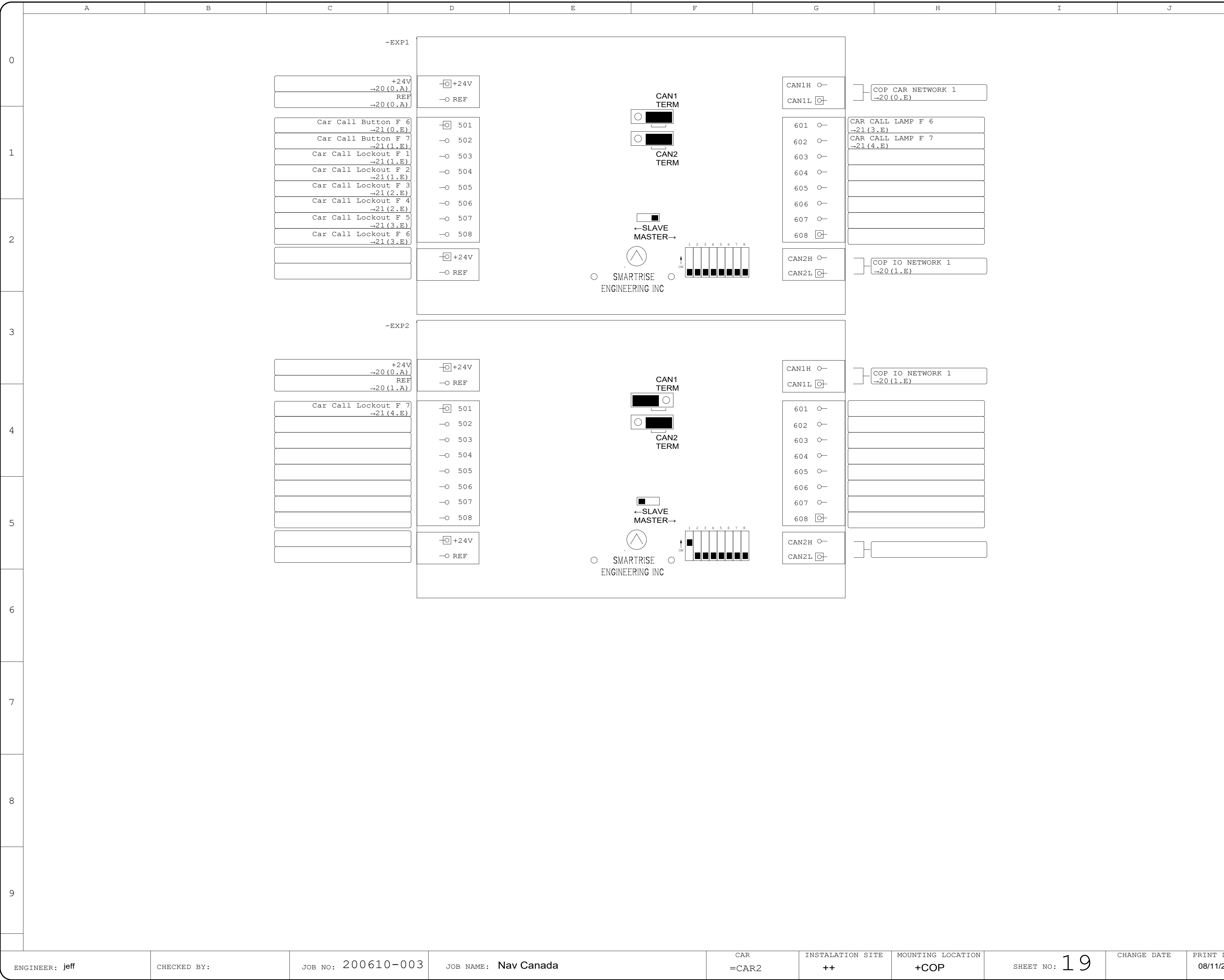


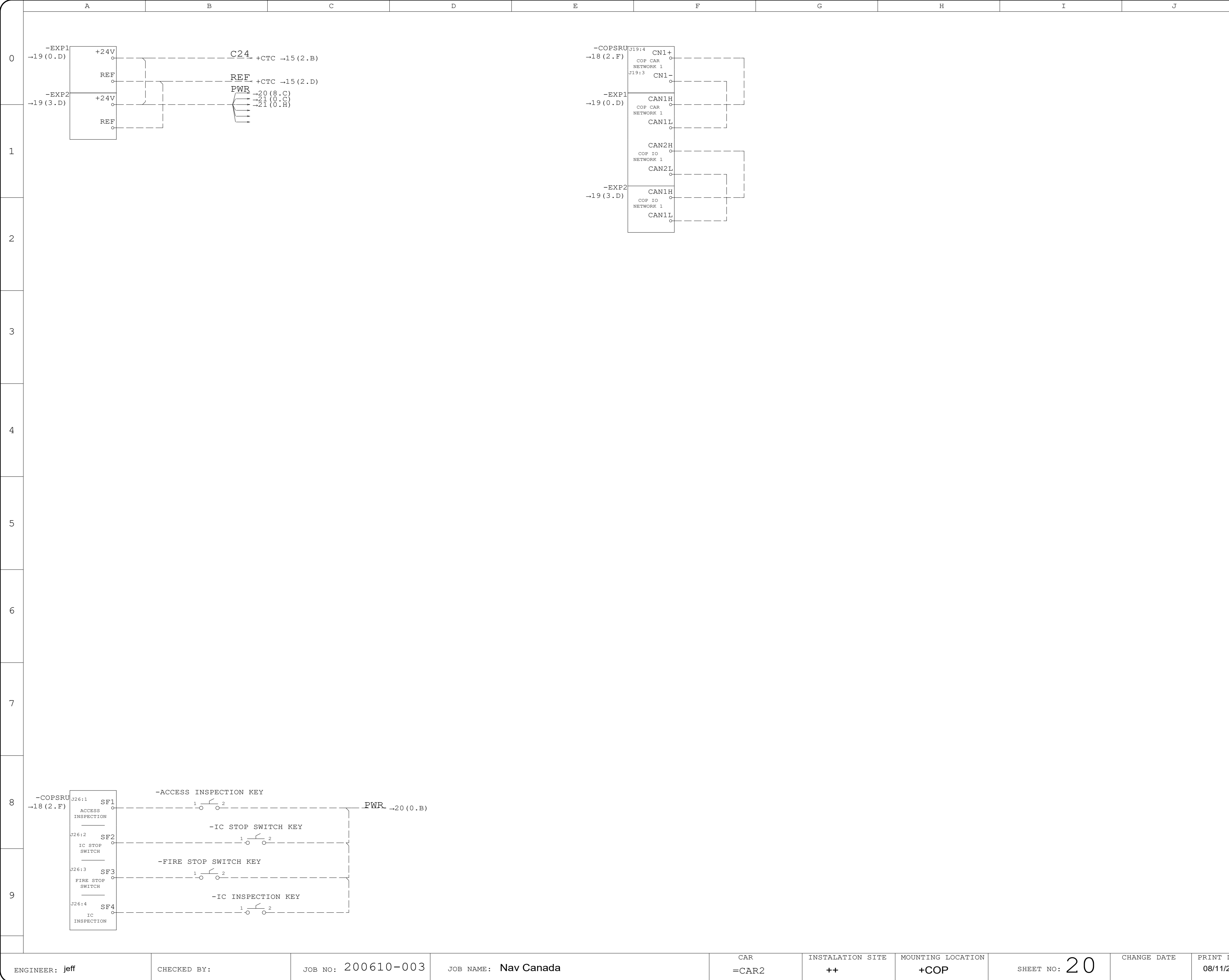




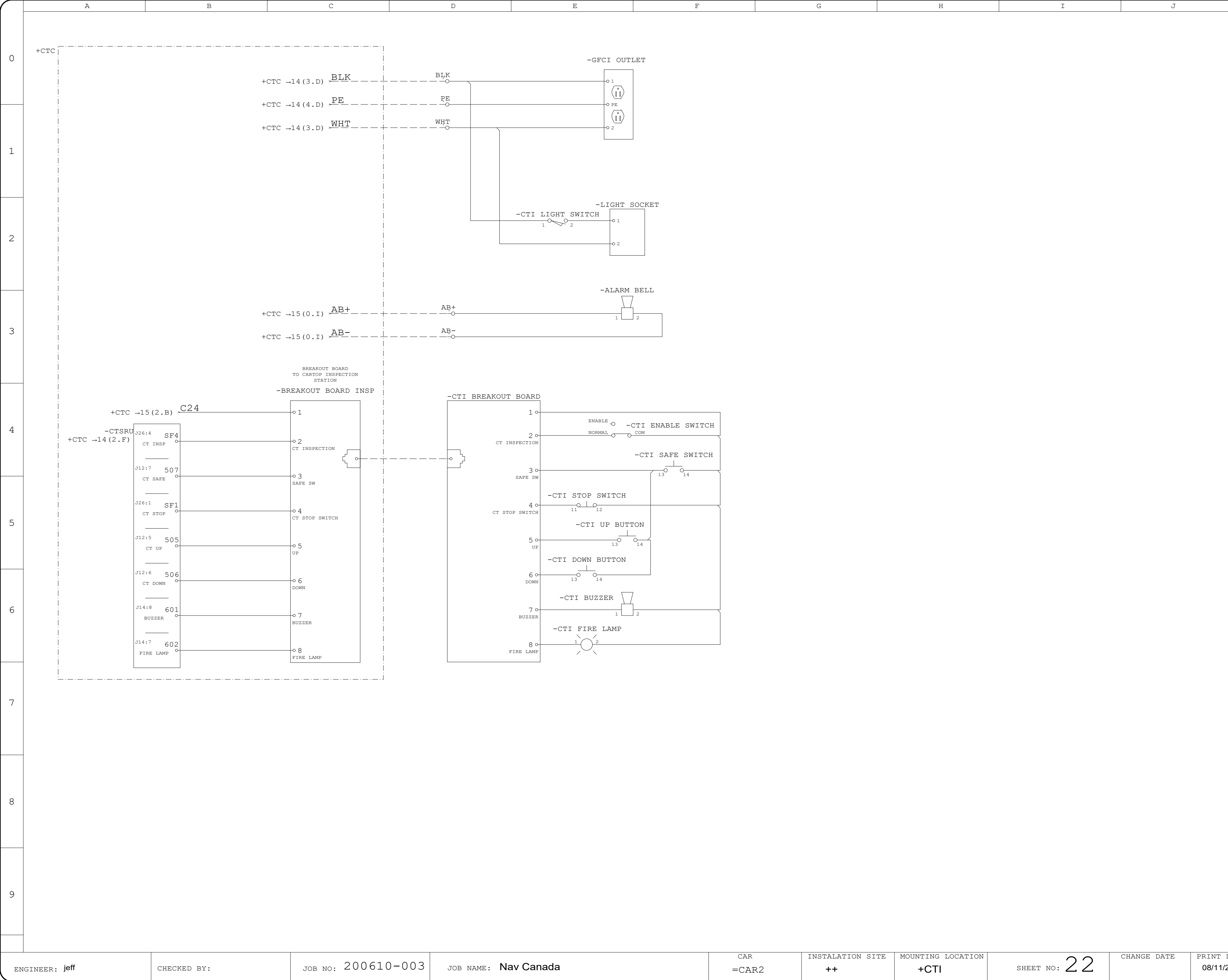
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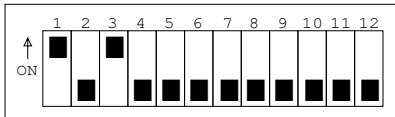
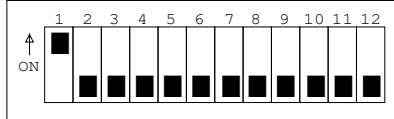
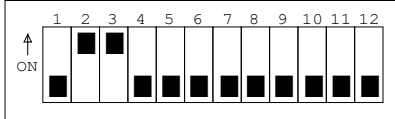
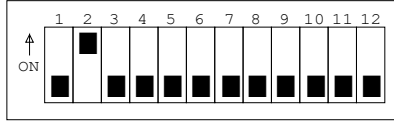

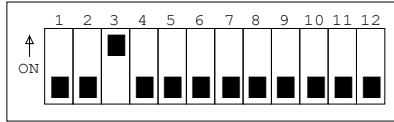


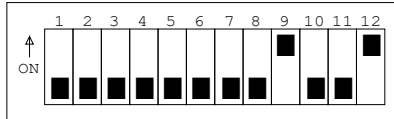
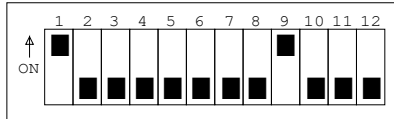

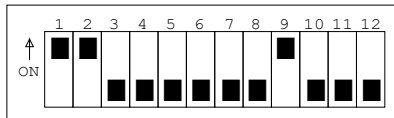
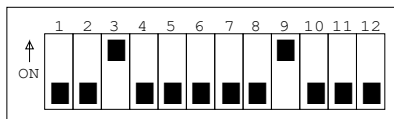

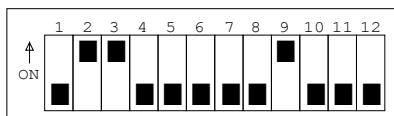
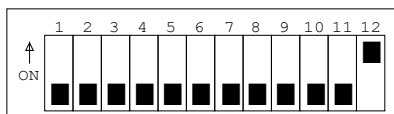
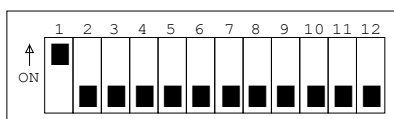
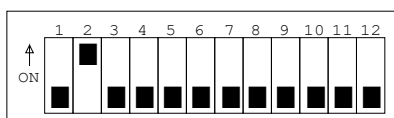
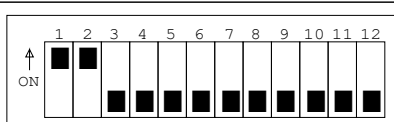
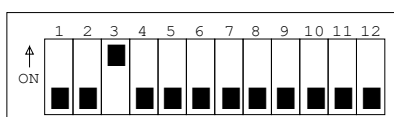










	A	B			C	D	E	F	G	H	I	J		
0	LANDING	FRONT	REAR	PI	TYPE	SWITCH SETTINGS		LANDING	FRONT	REAR	PI	TYPE	SWITCH SETTINGS	
	1	X		B	HALL CALL			6	X		5	HALL LANTERN		
1	2	X		M	HALL CALL			7	X		6	HALL LANTERN		
	3	X		2	HALL CALL									
2	4	X		3	HALL CALL									
	5	X		4	HALL CALL									
3	6	X		5	HALL CALL									
	7	X		6	HALL CALL									
4	1	X		B	HALL CALL									
	2	X		M	HALL CALL									
5	3	X		2	HALL CALL									
	4	X		3	HALL CALL									
6	5	X		4	HALL CALL									
	6	X		5	HALL CALL									
7	7	X		6	HALL CALL									
	1	X		B	HALL LANTERN									
8	2	X		M	HALL LANTERN									
	3	X		2	HALL LANTERN									
9	4	X		3	HALL LANTERN									
	5	X		4	HALL LANTERN									
ENGINEER: jeff		CHECKED BY:			JOB NO: 200610-003		JOB NAME: Nav Canada		CAR =CAR2	INSTALATION SITE ++	MOUNTING LOCATION +HALL	SHEET NO: 25	CHANGE DATE	PRINT I 08/11/2