TOTAL PANEL FLA = 6 AMPS

CUSTOMER TO SUPPLY AND INSTALL INCOMING SERVICE DISCONNECT AND OVER-CURRENT PROTECTION IN THE FORM OF AN INVERSE-TIME BREAKER RATED FOR 120 VAC, 1 PHASE, 60 HZ.

CUSTOMER MUST SUPPLY A UL LISTED 10 AMPS FEEDER BREAKER @ 5 KAIC OR HIGHER TO MAINTAIN INTERRUPT RATING OF MCC AND IN ACCORDANCE WITH LOCAL CODE AND NATIONAL SAFETY STANDARD CODE (N.E.C)

ALL INTERNAL POWER WIRES ARE 14-12 AWG/MTW/600V
ALL INTERNAL CONTROL WIRES ARE 18 AWG/MTW/600V
FIELD WIRES TO COMPONENTS MUST BE EQUAL OR GREATER THAN 14 AWG

REVISION TABLE			
REV #	DATE	DESCRIPTION	PAGE
A	7/27/2018	ADDITION OF NEW COMPONENTS	P2, P3
B	10/24/2018	ADJUST DRAWING FOR ONLY 2 CAMERAS	P2, P3

TIME-DELAY (5-20mm) UL FUSES			
FUSE #	Name	AMPS	INTERRUPT-CURRENT RATING
FU1	M-GAGE 1	1	35A@250VAC
FU2	M-GAGE 2	1	35A@250VAC
FU3	PoE1 POWER	5	35A@250VAC
FU4	CAMERA 1	1	35A@250VAC
FU5	CAMERA 2	1	35A@250VAC

UL 1077 SUPPLEMENTARY PROTECTOR (D-CURVE)		
CB#	AMPS	INTERRUPT-CURRENT RATING
CB1	10	10kA@240VAC - 5kA@480Y VAC

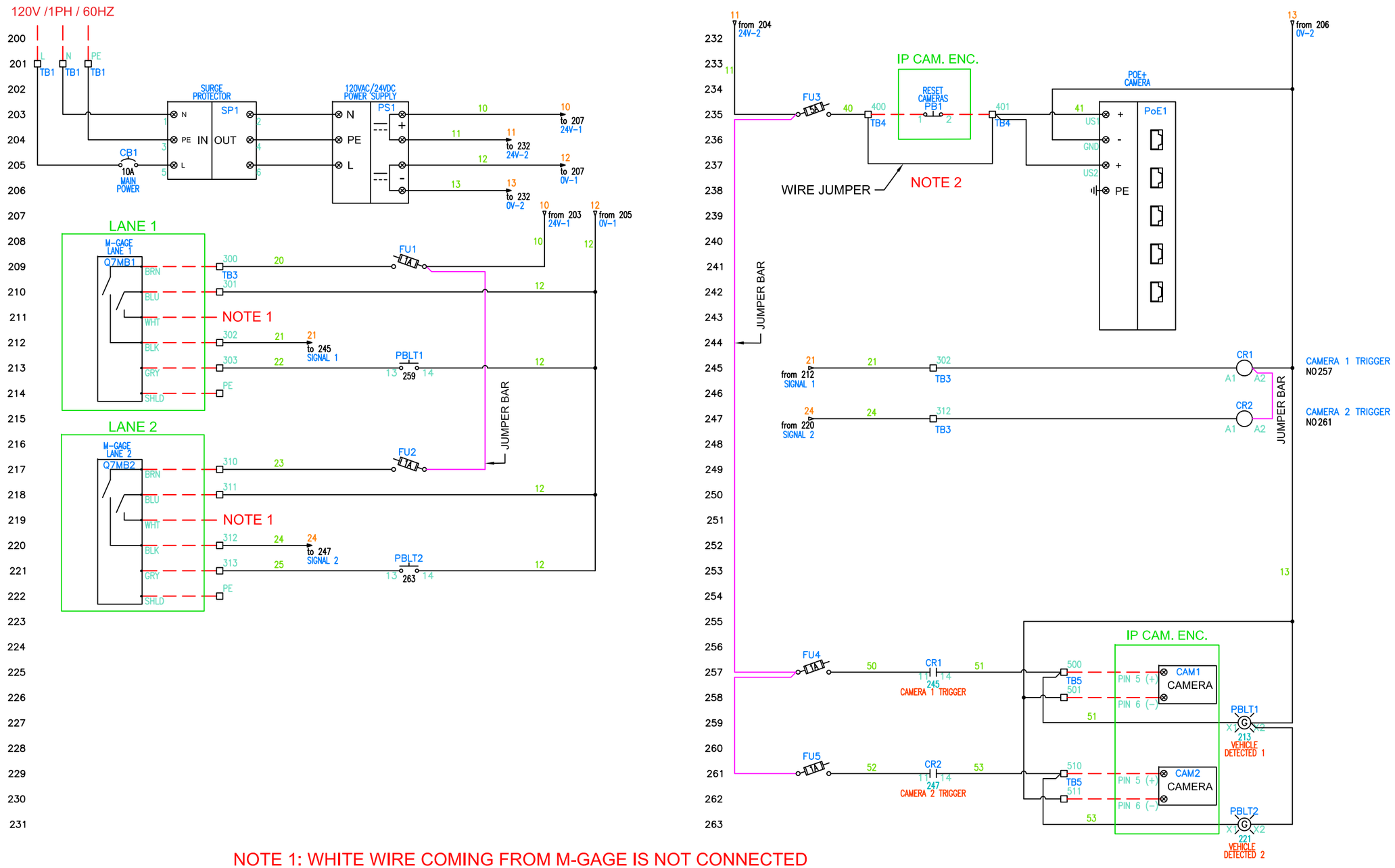
LPR SYSTEM
GENERAL INFORMATION

DWG NO. D20017843
JOB NO. J20017843
SAP NO. 20017843
SCALE NTS

SONNY'S THE CAR WASH FACTORY
http://www.SonnysDirect.com

DATE:	06/07/2018
REVISION DATE:	10/24/2018
DRAWN BY:	CC
REVISED BY:	CC
REVISION #	B
SHEET	1 OF 4

5605 Hiatus Road, Tamarac, FL. 33321 USA. TEL.800-327-8723



NOTE 1: WHITE WIRE COMING FROM M-GAGE IS NOT CONNECTED

NOTE 2: REMOVE WIRE JUMPER FROM TB4-400 AND TB4-401, IF INSTALLING RESET CAMERA BUTTON

LPR SYSTEM
CONTROL POWER

DWG NO.	D20017843
JOB NO.	J20017843
SAP NO.	20017843
SCALE	NTS

SONNY'S THE CAR WASH FACTORY

DATE:	06/07/2018
REVISION DATE:	10/24/2018
DRAWN BY:	CC
REVISED BY:	CC
REVISION #	B
SHEET	2 OF 3

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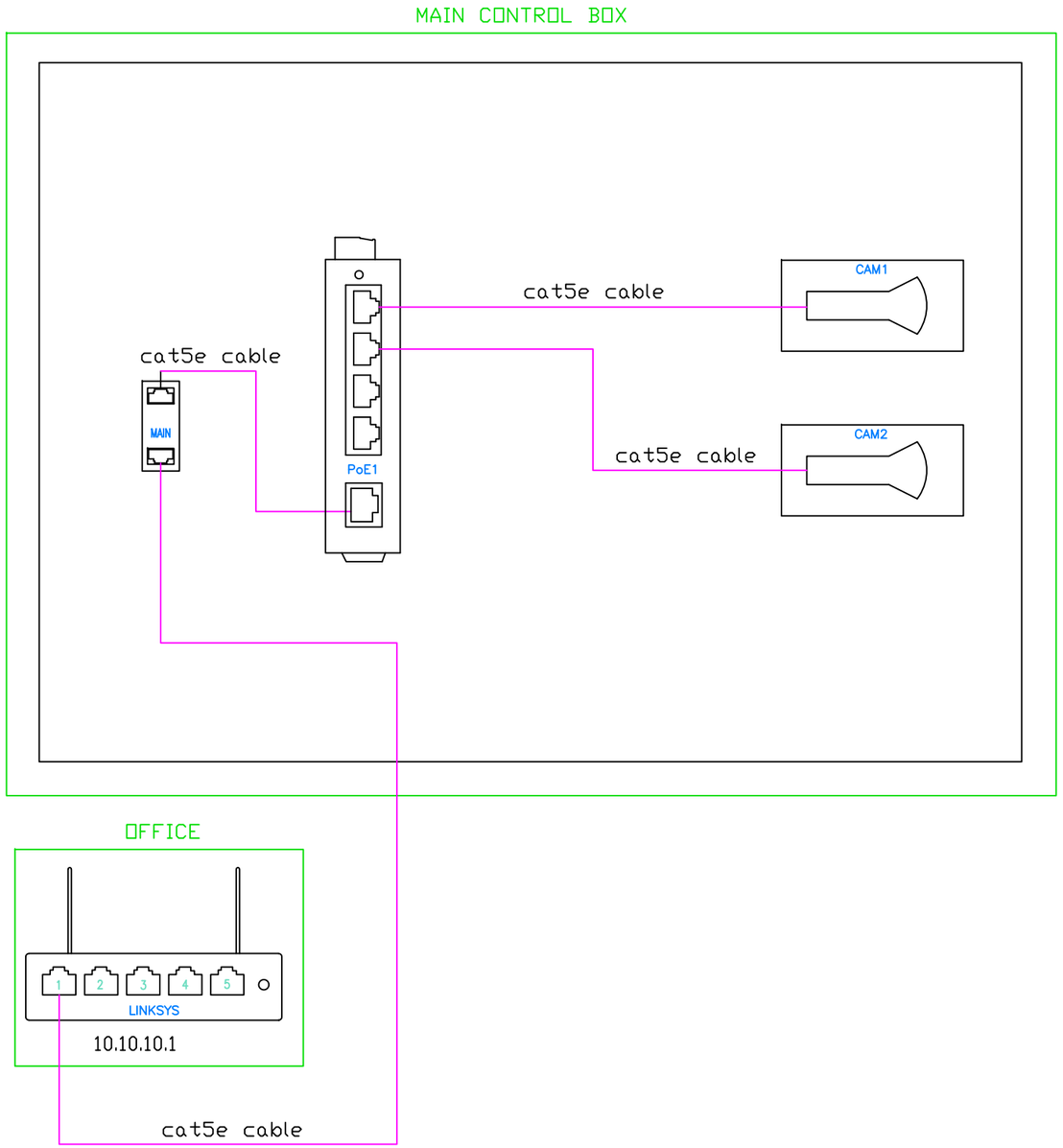

LPR SYSTEM
SYSTEM TOPOLOGY

DWG NO.	D20017843
JOB NO.	J20017843
SAP NO.	20017843
SCALE	NTS

SONNY'S THE CAR WASH FACTORY

DATE:	06/07/2018
REVISION DATE:	10/24/2018
DRAWN BY:	CC
REVISED BY:	CC
REVISION #	B
SHEET	3 OF 4

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Set Background Condition (No Vehicle Present) Connect M-GAGE sensor as described above.

	Configuration (0.04 seconds ≤ "T" ≤ 0.8 seconds)	Result
Set Background	• *Remove all temporary metal objects from the sensing area.* • Single-pulse the remote wire. 	• Sensor learns background. • Output LED flashes approx. 12 times, while background is taught. • Sensor returns to RUN mode.

Set Sensitivity Level (level 1 least sensitive, level 6 most sensitive)

	Configuration (0.04 seconds ≤ "T" ≤ 0.8 seconds)	Result
Access Sensitivity Mode	• Double-pulse the remote wire. 	• Output LED flashes 1 to 6 times every 2 seconds to indicate sensitivity level (e.g., twice indicates level 2). • **When DPB1 is used:** Sensor always begins at level 1.
Adjust Sensitivity	• To increase the sensitivity in increments, single-pulse the remote wire again; continue until desired sensitivity level is reached. 	• Output LED flashes 1 to 6 times every 2 seconds to indicate sensitivity level (e.g., twice indicates level 2).
	• Double-pulse the remote wire to save setting. 	• Sensor returns to RUN mode.
Test Operation	• Drive a vehicle past/over the sensor to trip the output. (Use a small/lightweight vehicle to ensure larger vehicles will be detected later.)	• Verify Output LED comes ON as expected.
	• Adjust the sensitivity as needed.	
Prepare for Operation	• Disconnect DPB1 or other temporary switch used for configuration and connect sensor to permanent power supply/output device (user-supplied; see page 8).	

LPR SYSTEM
BANNER M-GAGE SETUP

DWG NO. D20017843
JOB NO. J20017843
SAP NO. 20017843
SCALE NTS

SONNY'S THE CAR WASH FACTORY

DATE:	06/07/2018
REVISION DATE:	10/24/2018
DRAWN BY:	CC
REVISED BY:	CC
REVISION #	B
SHEET	4 OF 4

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