

PANEL	Standby time		24 hours		Alarm time		0.084 hours		Required Battery (AmpHours)	Battery Size Supplied (AmpHours)
	Standby Load (Amps)	Standby subtotal (AmpHours)	Alarm Load (Amps)	Alarm subtotal (AmpHours)	Secondary Load (AmpHours)	Safety derating factor	Required Battery (AmpHours)			
FACP	0.22	5.28	2.54	0.21	5.49	x1.2	6.59	12		

PANEL/CIRCUIT	P2RL	PCZRL	SRL	AMPS	CIRCUIT LENGTH	START VOLTAGE	VOLTAGE DROP	EOL VOLTAGE	AWG
RATING	15cd	30cd	115cd						
AMPS	0.05	0.09	0.19						
AV1	3		4	0.95	452'	20.4v	1.13v	19.27v	14
AV2	4	2	3	0.895	288'	20.4v	0.72v	19.68v	14
TOTALS	7	2	6						

NOTES: These calculations double the wire length indicated to account for the total wire resistance of the circuit.  
DC resistance at 75°C AWG 14 per NFPA 70ch 9 table 8

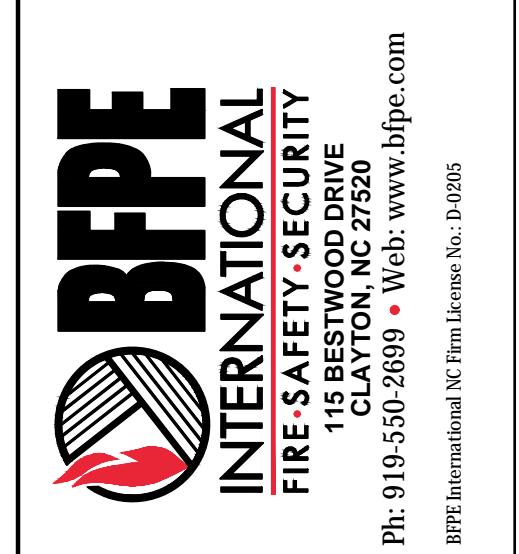
NFW-50X FIRE ALARM PANEL  
SCALE: NONE

NO.	DATE	BY	REVISION

Seal

SHOP DRAWINGS

Fire Alarm System Shop Drawings  
Carolina Diesel Truck  
62 Progress Drive  
Fuquay Varina, North Carolina



DRAWN BY: DLB  
CHECKED BY:  
SCALE: As Noted  
SHEET NO. 3 OF 3 SHEETS  
DATE: 12/14/2022  
PROJECT NO: RA-A6706-A-22  
Sheet Contents:  
Fire Alarm System  
Installation Notes  
One Line Riser

DRAWING NO.:  
FA202