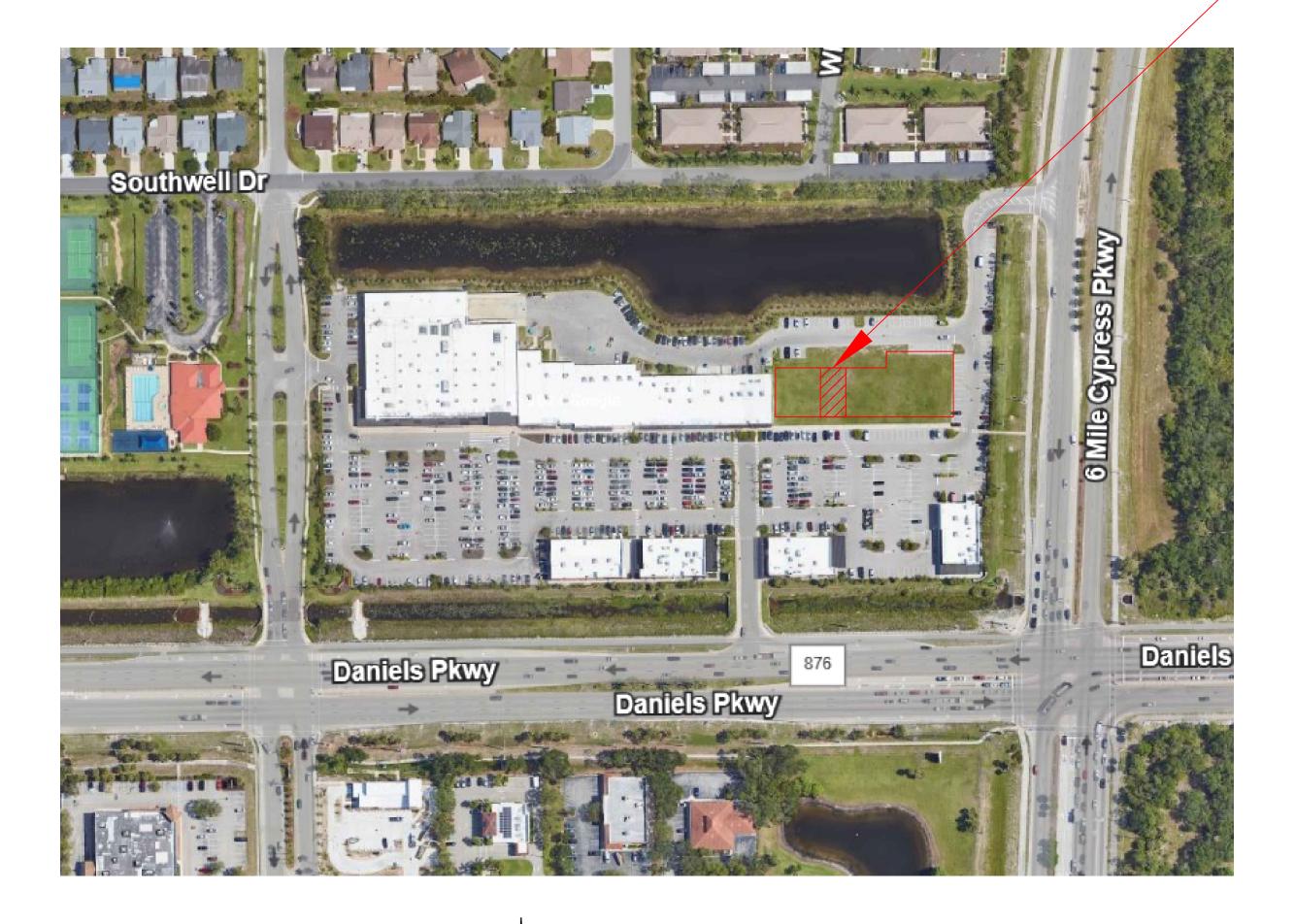
GENERAL NOTES

- 1. APPLICABLE CODES:
- 2023 FLORIDA BUILDING CODE, BUILDING, 8TH ED.
- 2023 FLORIDA BUILDING CODE, ENERGY, 8TH ED.
- 2023 FLORIDA BUILDING CODE, MECHANICAL, 8TH ED.
- 2023 FLORIDA BUILDING CODE, FUEL GAS, 8TH ED. 2023 FLORIDA BUILDING CODE, PLUMBING, 8TH ED.
- 2023 FLORIDA FIRE PREVENTION CODE, 8TH ED.
- 2023 FLORIDA BUILDING, ACCESSIBILITY, 8TH ED.
- (1.8. V2021/NFPA 101 LIFE SAFEYY CODE W/ FLORIDA AMENDMENTS.
- 2020 NFPA 70 NATIONAL ELETRIC CODE.
- 2019 NFPA 72 NATIONAL FIRE ALARM. FIRE SPRINKLER SYSTEM: BUILDING IS FULLY SPRINKLERED
- SCOPE OF WORK: 1,679 SQ F.T
- 4. OCCUPANCY CLASSIFICATION: MERCANTILE, BUSINESS, STORAGE/STOCK/SHIPPING.
- 5. CONSTRUCTION TYPE: II-B
- 6. OCCUPANCY LOAD: 42
- 7. FIRE ALARM SYSTEM CLASSIFICATION IS: CENTRAL STATION SERVICE.
- 8. FIRE ALARM SYSTEM TYPE IS: ADDRESSABLE
- 9. ALL FIRE ALARM CIRCUITS TO BE CLASS B, POWER LIMITED.
- 10. VERIFY IN FIELD ALL DIMENSIONS. DO NOT SCALE THE DRAWINGS
- 11. ALL WORK SHALL BE OF HIGHEST QUALITY AND WORKMANSHIP. 12. NEW FIRE ALARM SYSTEM IN A PART OF THE BUILDING, THE NEW FIRE ALARM SYSTEM WILL BE INSERTED TO A PANEL AND AN EXISTING
- SYSTEM WITH THE SPRINKLER WATERFLOW BEING MONITORED TO ACTIVATE NOTIFICATION DEVICES UPON ALARM. 13. ALL DEVICES INSTALLED SHALL BE AS SPECIFIED IN THE DEVICE SCHEDULE, ANY INTENDED SUBSTITUTIONS SHALL FIRST BE SUBMITTED
- FOR REVISION AND APPROVAL.
- 14. INSTALLING CONTRACTOR SHALL VERIFY IN FIELD AND COORDINATE ANY INTERFERENCE WITH OTHER TRADES. 15. ALL ELECTRICAL CIRCUITS POWERING ANY AND ALL FIRE ALARM EQUIPMENT SHALL BE DEDICATED, SHALL HAVE A MEANS OF DISCONNECT EQUIPPED WITH A MECHANICAL LOCK—ON DEVICE, AND BE IDENTIFIED AS "FIRE ALARM CIRCUIT".
- 16. ALL CONTROL RELAYS SHALL BE LOCATED WITHIN 3' OF THE CONTROLLED DEVICE OR APPLIANCE.
- 17. ALL CONDUIT USED FOR FIRE ALARM SHALL BE DEDICATED FOR FIRE ALARM ONLY.
- 18. ALL CONDUIT AND CABLING INSTALLATION SHALL COMPLY WITH THE CURRENT NATIONAL ELECTRIC CODE N.F.P.A. 70.
- 19. ALL WALL, FLOOR AND CEILING PENETRATION SEALINGS SHALL BE RATED FOR THE SAME HOUR RATING AS THE WALL, FLOOR OR CEILING BEING PENETRATED.
- 20. ANY TWO OR MORE VISUAL NOTIFICATION APPLIANCES VISIBLE FROM THE SAME FIELD OF VIEW SHALL FLASH IN SYNCHRONIZATION. 21. FIRE ALARM SYSTEM WILL COMMUNICATE WITH CENTRAL STATION BY MEANS OF A CELLULAR COMMUNICATOR FOR THE PURPOSE OF FIRE DEPARTMENT NOTIFICATION.
- 22. ALL DEVICES INSTALLED IN WET LOCATIONS SHALL BE SUITABLE FOR SUCH AREA.

01 GENERAL NOTES
NOT TO SCALE

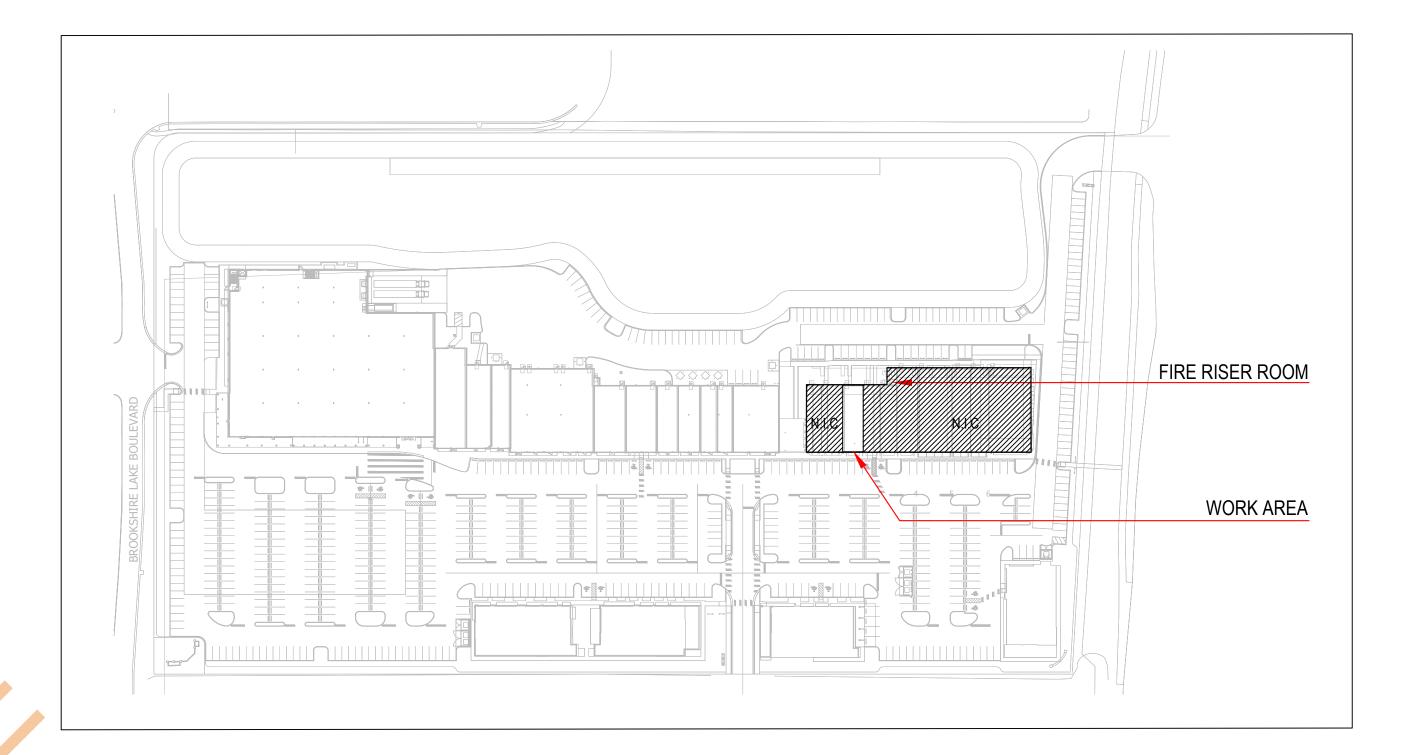
PROJECT LOCATION



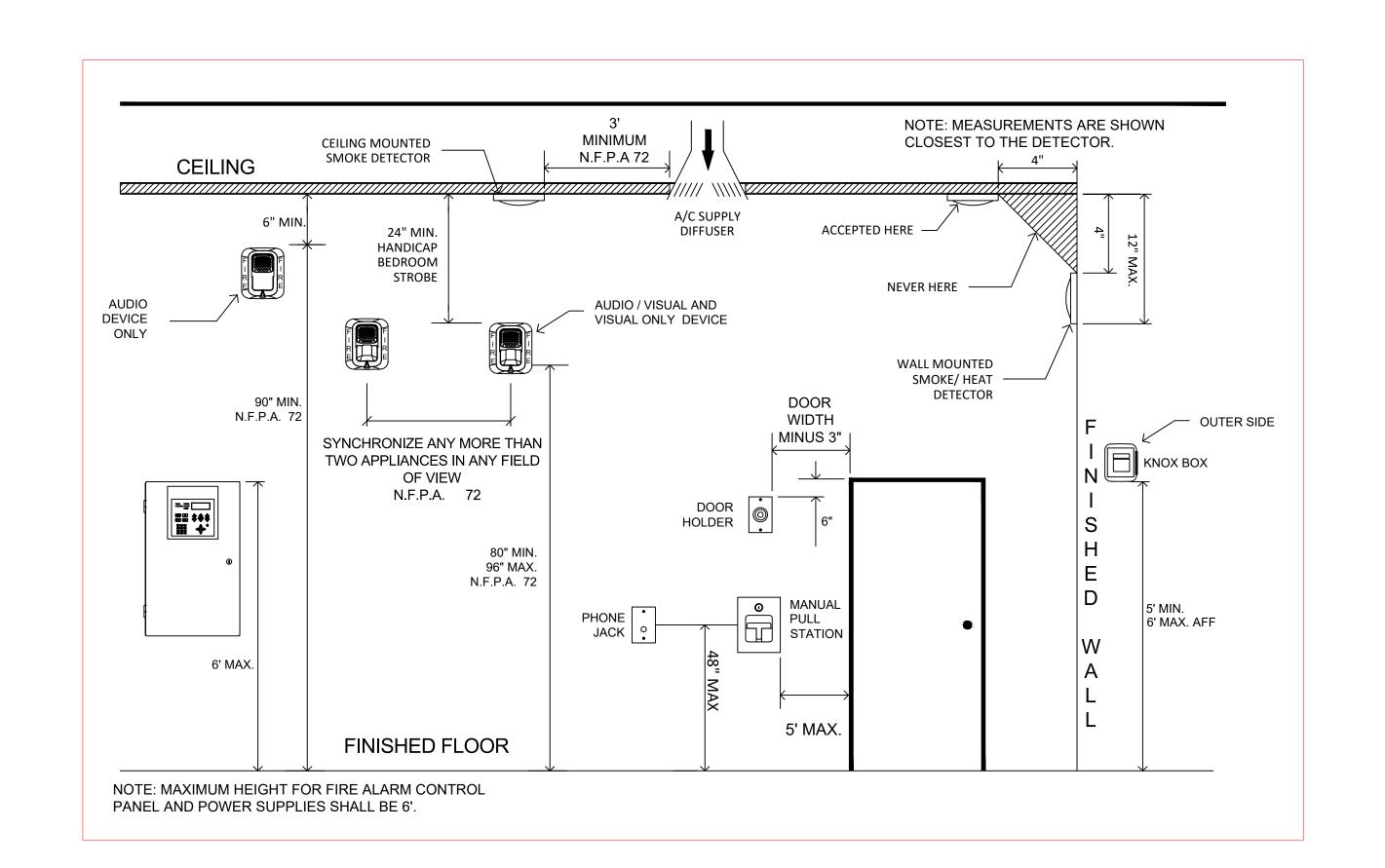


SCOPE OF WORK:

- INSTALL ALL ELECTRICAL BOXES, CONDUITS, SLEEVES AND, STUB UPS.
- INSTALL ALL CABLING.
- THE NEW DEVICES WILL BE INSTALLED IN THE EXISTING PANEL. THE COMMUNICATOR IS ALREADY INSTALLED.
- SET ALL ADDRESSES AND INSTALL ALL INITIATING DEVICES SHOWN ON THE RISER AND FLOOR PLANS..
- PROGRAM AND TEST ALL PARTS OF THE FIRE ALARM SYSTEM TO FUNCTION AS SPECIFIED IN THE SEQUENCE OF OPERATION.
- DEMONSTRATE ALL PARTS OF THE FIRE ALARM SYSTEM WORK AS INTENDED DURING INSPECTIONS WITH AUTHORITY HAVING JURISDICTION.
 - O3 SCOPE OF WORK







05 DEVICE MOUNTING HEIGHTS

NOT TO SCALE

BLUEMERCURY FORT MYERS

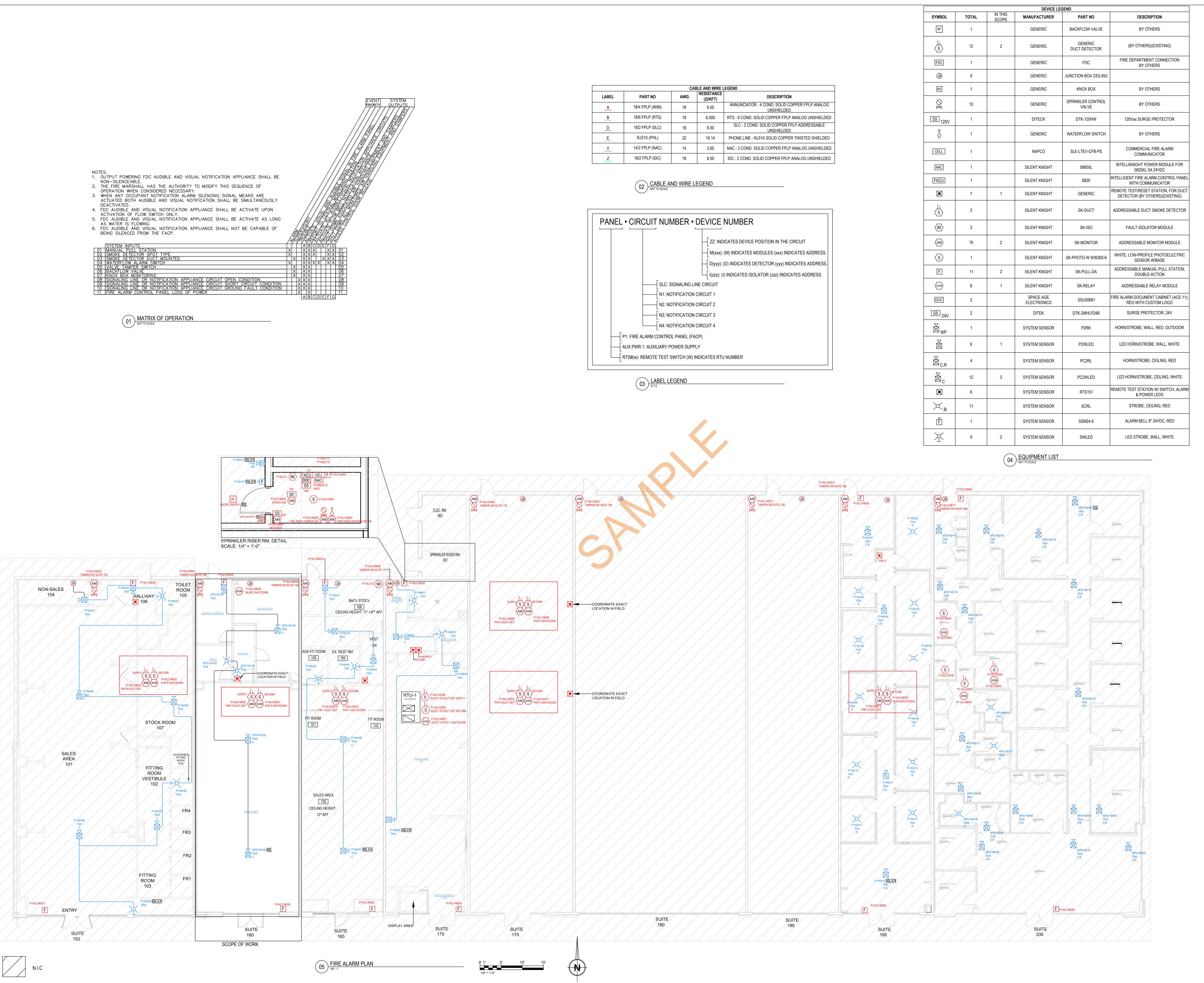
CONTRACTOR:

PROJECT No: 12/02/2024

DWG FILE: BLUEMERCURY_FORT_MYERS

SEE DRAWINGS

FA-01



PROJECT:

BLUEMERCURY

FORT MYERS

CONTRACTOR:

PROJECT No: 12/02/2024 DWG FILE:

BLUEMERCURY_FORT_MYERS SEE DRAWINGS

FA-02

			MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A):	3 0.0535	STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP:	20.40 0.01	
	P1 N1 LUMP S	SUM REPORT	SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT %:	2.95 98.22 %	VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE:	0.05 % 16	
			MAX. CARD CURRENT (A): TOTAL CARD CURRENT (A): SPARE CARD CURRENT (A):	6 2.51 3.49	END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT):	20.39 2.60 40	
		CIRCUIT WIRING PROPERT	SPARE CARD CURRENT %: "IES: 'V' 14/2 FPLP (NAC) 60993B 14 AW	58.12 %	TOTAL CIRCUIT RESISTANCE (Ω):	0.208	
SYMBOL	QUANTITY	PART NO	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	TOTAL CURRENT (A)	
LCULATION N	1	SSM24-6	ALARM BELL 6" 24VDC, RED		0.0535	0.0535	
TAL RESISTA	NCE (Ω) = WIRE RES	SISTANCE (Ω /FT) X 2 X TOTAL CIRCU SISTANCE (Ω) X TOTAL CIRCUIT CU	· ,				
			MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A):	3 0.218	STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP:	20.40 0.05	
	P1 N2 LUMP S	SUM REPORT	SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT %: MAX. CARD CURRENT (A):	2.78 92.73 % 6	VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE:	0.22 % 16 20.35	
			TOTAL CARD CURRENT (A): SPARE CARD CURRENT (A):	2.51 3.49	WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT):	2.60 40	
		CIRCUIT WIRING PROPERT	SPARE CARD CURRENT %: IES: 'V' 14/2 FPLP (NAC) 60993B 14 AW	58.12 % /G, NAC - 2 COND. SOLID COPPER	TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED	0.208	
SYMBOL	QUANTITY	PART NO	DESCRIPTION HORN/STROBE, WALL, RED,	CANDELAS	ALARM CURRENT (A)	TOTAL CURRENT (A)	
WP ALCULATION IN	1 METHODS:	P2RK	OUTDOOR	115CD	0.218	0.218	
TAL RESISTA	NCE (Ω) = WIRE RES	SISTANCE (Ω /FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU	• •				
			MAX. CIRCUIT CURRENT (A):	3	STARTING CALC. VOLTAGE:	20.40	
	P1 N3 LUMP S	SUM REPORT	TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT %:	1.14 1.86 61.90 %	MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE:	2.22 10.86 % 16	
	o Lower G		MAX. CARD CURRENT (A): TOTAL CARD CURRENT (A):	6 2.51	END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT):	18.18 2.60	
		CIDCLIIT WIDING DRODEST	SPARE CARD CURRENT (A): SPARE CARD CURRENT %: JES: 'V' 14/2 FPLP (NAC) 60993B 14 AW	3.49 58.12 %	TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): EPI P ANALOG LINSHIELDED	373 1.94	
SYMBOL	QUANTITY	CIRCUIT WIRING PROPERT PART NO	TIES: 'V' 14/2 FPLP (NAC) 60993B 14 AW	/G, NAC - 2 COND. SOLID COPPER CANDELAS	FPLP ANALOG UNSHIELDED ALARM CURRENT (A)	TOTAL CURRENT (A)	
C,R	1	PC2RL	HORN/STROBE, CEILING, RED	30CD	0.09	0.09	
C,R C,R	1	PC2RL	HORN/STROBE, CEILING, RED	15CD	0.107	0.107	
C,R	2	PC2RL	HORN/STROBE, CEILING, RED	75CD	0.143	0.286	
R ALCULATION N	11 AETHODS:	SCRL	STROBE, CEILING, RED	15CD	0.06	0.660	
		SISTANCE (Ω /FT) X 2 X TOTAL CIRCU SISTANCE (Ω) X TOTAL CIRCUIT CU	RRENT (A)	NIMMA DV	DOWED OU	AMAA DV	
			MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A):	3 0.476	STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP:	20.40 0.730	
	P1 N4 LUMP S	SUM REPORT	SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT %:	2.52 84.13 %	VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE:	3.57 % 16	
			MAX. CARD CURRENT (A): TOTAL CARD CURRENT (A):	6 2.51	END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT):	19.67 2.60	
		CIRCUIT WIRING PROPERT	SPARE CARD CURRENT (A): SPARE CARD CURRENT %: IES: 'V' 14/2 FPLP (NAC) 60993B 14 AW	3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER	TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED	294 1.53	
SYMBOL	QUANTITY	PART NO	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	TOTAL CURRENT (A)	
\boxtimes	2	P2WLED	LED HORN/STROBE, WALL, WHITE	15CD	0.035	0.07	
 ⊠ _c	4		LED HODWOTDODE, OF HING	75CD			
	4	PC2WLED	LED HORN/STROBE, CEILING, WHITE	7300	0.087	0.348	
X			WHITE				
X	2	SWLED	WHITE LED STROBE, WALL, WHITE	15CD	0.018	0.036	
¥	2		WHITE				
ALCULATION NO DTAL RESISTAL	2 1 METHODS: NCE (Ω) = WIRE RES	SWLED	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE	15CD	0.018	0.036	
ALCULATION NO DTAL RESISTAL	2 1 METHODS: NCE (Ω) = WIRE RES	SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCU	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S	15CD 30CD	0.018 0.022 POWER SU	0.036 0.022 MMARY	
ALCULATION NO DTAL RESISTAL	2 1 METHODS: NCE (Ω) = WIRE RES	SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCU	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A):	30CD 30CD 30CM 30CD 30CD 30CD	0.018 0.022 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP:	0.036 0.022 MMARY 20.40 0.25	
ALCULATION NO DTAL RESISTAL	2 1 METHODS: NCE (Ω) = WIRE RES	SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A):	30CD SUMMARY 3	0.018 0.022 POWER SU STARTING CALC. VOLTAGE:	0.036 0.022 MMARY 20.40	
ALCULATION NO DTAL RESISTAL	2 1 METHODS: NCE (Ω) = WIRE RESE DROP = TOTAL RE	SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT %: MAX. CARD CURRENT (A): TOTAL CARD CURRENT (A): SPARE CARD CURRENT (A):	30CD 30CD 30CD 30CD 30CD 30CD 60.321 2.68 89.30 % 6 2.51 3.49	0.018 0.022 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT):	0.036 0.022 MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147	
ALCULATION INDICAL RESISTAL	2 1 METHODS: NCE (Ω) = WIRE RESE DROP = TOTAL RE	SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): TOTAL CARD CURRENT (A): TOTAL CARD CURRENT (A):	30CD 30CD 30CD 30CD 30CD 30CD 30CD 30CD	0.018 0.022 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω):	0.036 0.022 MMARY 20.40 0.25 1.21 % 16 20.15 2.60	
ALCULATION IN DTAL RESISTAN DTAL VOLTAGE	2 1 METHODS: NCE (Ω) = WIRE RESE DROP = TOTAL RE	SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU SUM REPORT CIRCUIT WIRING PROPERT PART NO	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CARD CURRENT (A):	30CD 30CD 30CD 30CD 30CD 60 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS	D.018 O.022 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A)	0.036 0.022 MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A)	
ALCULATION INDITAL RESISTAND TAL VOLTAGE SYMBOL	2 1 METHODS: NCE (Ω) = WIRE RES E DROP = TOTAL RE P1 N5 LUMP S	SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): MAX. CARD CURRENT (A): TOTAL CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (B): SPARE CARD CURRENT (C): SPARE CARD CURR	3 0.321 2.68 89.30 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER	0.018 0.022 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED	0.036 0.022 MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767	
ALCULATION NOTAL RESISTAL DTAL VOLTAGE	2 1 METHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE P1 N5 LUMP S QUANTITY	SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU SUM REPORT CIRCUIT WIRING PROPERT PART NO	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CARD CURRENT (A):	30CD 30CD 30CD 30CD 30CD 600.321 2.68 89.30 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS	D.018 O.022 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A)	0.036 0.022 MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A)	
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SYMBOL C C C C C C C C C C C C C	2 1 METHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE P1 N5 LUMP S QUANTITY 1 1 1 2 2 2	SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU SUM REPORT CIRCUIT WIRING PROPERT PART NO P2WLED PC2WLED PC2WLED	WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): MAX. CARD CURRENT (A): TOTAL CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (B): SPARE CARD CURRENT (C): SPARE CARD CURR	30CD 30CD 30CD 30CD 30CD 30CD 30CD 30CD 30CD	DOWER SU POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A) 0.038 0.035	0.036 0.022 MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A) 0.038 0.035 0.038	
SYMBOL SYMBOL C C ALCULATION IN DTAL RESISTAN DTAL VOLTAGE C ALCULATION IN DTAL RESISTAN	2 1 METHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE P1 N5 LUMP S QUANTITY 1 1 1 2 2 METHODS: NCE (Ω) = WIRE RESE	SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU SUM REPORT CIRCUIT WIRING PROPERT PART NO P2WLED PC2WLED PC2WLED PC2WLED	WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): MAX. CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (B): SPARE CARD CURRENT (C): SPARE CIRCUIT CORDENT (C): SPARE CARD CURRENT (C): SPARE CARD CURRENT (C): SPARE CARD CURRENT (C): S	30CD 30CD 30CD 30CD 30CD 30321 2.68 89.30 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS 30CD 15CD 30CD 75CD	DOWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A) 0.038 0.035 0.038	0.036 0.022 MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A) 0.038 0.035 0.038 0.174	
SYMBOL SYMBOL C C ALCULATION IN DTAL RESISTAN DTAL VOLTAGE C ALCULATION IN DTAL RESISTAN	2 1 METHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE P1 N5 LUMP S QUANTITY 1 1 1 2 2 METHODS: NCE (Ω) = WIRE RESE	SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU PART NO P2WLED PC2WLED PC2WLED SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU	WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CARD CURRENT %: IES: 'V' 14/2 FPLP (NAC) 60993B 14 AW DESCRIPTION LED HORN/STROBE, WALL, WHITE LED HORN/STROBE, CEILING, WHITE CURRENT S	30CD 30CD 30CD 30CD 30CD 30CD 30CD 2.68 89.30 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS 30CD 15CD 30CD 15CD	D.018 0.022 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A) 0.038 0.035 0.037 0.018	0.036 0.022 MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A) 0.038 0.035 0.038 0.174 0.036	
SYMBOL SYMBOL C C ALCULATION IN DTAL RESISTAN DTAL VOLTAGE C ALCULATION IN DTAL RESISTAN	2 1 METHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE P1 N5 LUMP S QUANTITY 1 1 1 2 2 METHODS: NCE (Ω) = WIRE RESE	SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU PART NO P2WLED PC2WLED PC2WLED SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU	WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT %: IES: 'V' 14/2 FPLP (NAC) 60993B 14 AW DESCRIPTION LED HORN/STROBE, WALL, WHITE LED HORN/STROBE, CEILING, WHITE	30CD 30CD 30CD 30CD 30CD 30.321 2.68 89.30 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS 30CD 15CD 30CD 15CD	D.018 0.022 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A) 0.038 0.035 0.037 0.018	0.036 0.022 MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A) 0.038 0.035 0.038 0.174 0.036	
SYMBOL SYMBOL C C ALCULATION IN DTAL RESISTAN DTAL VOLTAGE C ALCULATION IN DTAL RESISTAN	2 1 METHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE P1 N5 LUMP S QUANTITY 1 1 1 2 2 METHODS: NCE (Ω) = WIRE RESE	SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU CIRCUIT WIRING PROPERT PART NO P2WLED PC2WLED PC2WLED SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (B): LED HORN/STROBE, CEILING, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (CA): MAX. CARD CURRENT (CA):	30CD 30CD 30CD 30CD 30MMARY 3 0.321 2.68 89.30 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS 30CD 15CD 30CD 15CD 15CD 30CD 2.75 91.73 % 6	DOWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A) 0.038 0.035 0.038 0.038 0.038 VOLTAGE DROP: VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: END OF LINE VOLTAGE:	0.036 0.022 MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A) 0.038 0.035 0.038 0.174 0.036 MMARY 20.40 0.22 1.10 % 16 20.18	
SYMBOL SYMBOL C ALCULATION IN DTAL RESISTAN C C ALCULATION IN DTAL RESISTAN	2 //ETHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE QUANTITY 1 1 1 2 2 //ETHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE	SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU CIRCUIT WIRING PROPERT PART NO P2WLED PC2WLED PC2WLED SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (B): LED HORN/STROBE, CEILING, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CARD CURRENT (A): TOTAL CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A):	30CD 30CD 30CD 30CD 30MMARY 3 0.321 2.68 89.30 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS 30CD 15CD 30CD 15CD 15CD 30CD 75CD 15CD 30CD 75CD	DOWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A) 0.038 0.035 0.038 0.037 0.018 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT):	MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A) 0.038 0.035 0.038 0.174 0.036 MMARY 20.40 0.22 1.10 % 16 20.18 2.60 173	
SYMBOL SYMBOL C ALCULATION IN DTAL RESISTAN C ALCULATION IN DTAL RESISTAN	2 //ETHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE QUANTITY 1 1 1 2 2 //ETHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE	SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU CIRCUIT WIRING PROPERT PART NO P2WLED PC2WLED PC2WLED SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (B): SPARE CARD CURRENT (B): SPARE CARD CURRENT (B): LED HORN/STROBE, WALL, WHITE LED HORN/STROBE, CEILING, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): TOTAL CARD CURRENT (A): TOTAL CARD CURRENT (A): TOTAL CARD CURRENT (A):	30CD 30CD 30CD 30CD 30CD 30.321 2.68 89.30 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS 30CD 15CD 30CD 15CD 15CD 30CD 2.51 3.49 5.12 % 6 2.51 3.49 5.12 %	DOWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A) 0.038 0.035 0.038 0.037 0.018 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω):	0.036 0.022 MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A) 0.038 0.035 0.038 0.174 0.036 MMARY 20.40 0.22 1.10 % 16 20.18 2.60	
SYMBOL SYMBOL ALCULATION IN DTAL VOLTAGE C ALCULATION IN DTAL RESISTAN DTAL RESISTAN DTAL VOLTAGE	2 //ETHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE QUANTITY 1 1 1 2 2 //ETHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE	SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUSISTANCE (Ω) X TOTAL CIRCUIT CU CIRCUIT WIRING PROPERT PART NO P2WLED PC2WLED PC2WLED SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): TOTAL CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (B): LED HORN/STROBE, CEILING, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CARD CURRENT (A):	30CD 30CD 30CD 30CD 30CD 30.321 2.68 89.30 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS 30CD 15CD 30CD 15CD 15CD 30CD 2.51 3.49 5.12 % 6 2.51 3.49 5.12 %	DOWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A) 0.038 0.035 0.038 0.037 0.018 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω):	MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A) 0.038 0.035 0.038 0.174 0.036 MMARY 20.40 0.22 1.10 % 16 20.18 2.60 173	
SYMBOL SYMBOL C ALCULATION IN OTAL RESISTAN OTAL RESISTAN OTAL RESISTAN OTAL RESISTAN OTAL RESISTAN OTAL RESISTAN OTAL VOLTAGE	2 1 METHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE P1 N5 LUMP S QUANTITY 1 1 1 2 2 METHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE P1 N6 LUMP S	SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU CIRCUIT WIRING PROPERT PART NO P2WLED PC2WLED PC2WLED SWLED SWLED SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT CU SISTANCE (Ω) X TOTAL CIRCUIT CU CIRCUIT WIRING PROPERT	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): TOTAL CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): TOTAL CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (B): WHITE LED HORN/STROBE, WALL, WHITE LED HORN/STROBE, CEILING, WHITE	30CD 30CD 30CD 30CD 30CD 30.321 2.68 89.30 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS 30CD 15CD 30CD 75CD 15CD 15CD 30CD 75CD 15CD 30CD 75CD 15CD	POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A) 0.038 0.035 0.038 0.037 0.018 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT RESISTANCE (Ω/FFT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED	MMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A) 0.038 0.035 0.036 MMARY 20.40 0.22 1.10 % 16 20.18 2.60 173 0.901	
SYMBOL SYMBOL ALCULATION IN DITAL VOLTAGE C ALCULATION IN DITAL RESISTAN DITAL VOLTAGE SYMBOL	2 1 METHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE QUANTITY 1 1 1 2 2 METHODS: NCE (Ω) = WIRE RESEDROP = TOTAL RE P1 N6 LUMP S	SWLED SWLED SISTANCE (\(\Omega/FT\) X 2 X TOTAL CIRCUSSISTANCE (\(\Omega)\) X TOTAL CIRCUIT CU CIRCUIT WIRING PROPERT PART NO P2WLED PC2WLED PC2WLED PC2WLED SWLED SISTANCE (\(\Omega/FT\) X 2 X TOTAL CIRCUIT CU SISTANCE (\(\Omega/FT\) X 2 X TOTAL CIRCUIT CU SISTANCE (\(\Omega/FT\) X 7 TOTAL CIRCUIT CU SISTANCE (\(\Omega/FT\) X 7 TOTAL CIRCUIT CU CIRCUIT WIRING PROPERT PART NO	WHITE LED STROBE, WALL, WHITE LED STROBE, WALL, WHITE JIT LENGTH (FT) RRENT (A) CURRENT S MAX. CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CIRCUIT CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (A): SPARE CARD CURRENT (B): LED HORN/STROBE, CEILING, WHITE LED H	30CD 30CD 30CD 30CD 30CD 30.321 2.68 89.30 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS 30CD 15CD 30CD 15CD 30CD 15CD 30CD 45CD 58.12 % 6 2.51 3.49 58.12 % 6 2.51 3.49 58.12 % /G, NAC - 2 COND. SOLID COPPER CANDELAS CANDELAS CANDELAS CANDELAS	DOWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A) 0.038 0.035 0.038 0.087 0.018 POWER SU STARTING CALC. VOLTAGE: MAX. VOLTAGE DROP: VOLTAGE DROP %: MIN. OPERATIONAL VOLTAGE: END OF LINE VOLTAGE: WIRE RESISTANCE (Ω/KFT): TOTAL CIRCUIT LENGTH (FT): TOTAL CIRCUIT RESISTANCE (Ω): FPLP ANALOG UNSHIELDED ALARM CURRENT (A)	0.036 0.022 MMMARY 20.40 0.25 1.21 % 16 20.15 2.60 147 0.767 TOTAL CURRENT (A) 0.038 0.035 0.038 0.174 0.036 MMARY 20.40 0.22 1.10 % 16 20.18 2.60 173 0.901 TOTAL CURRENT (A)	

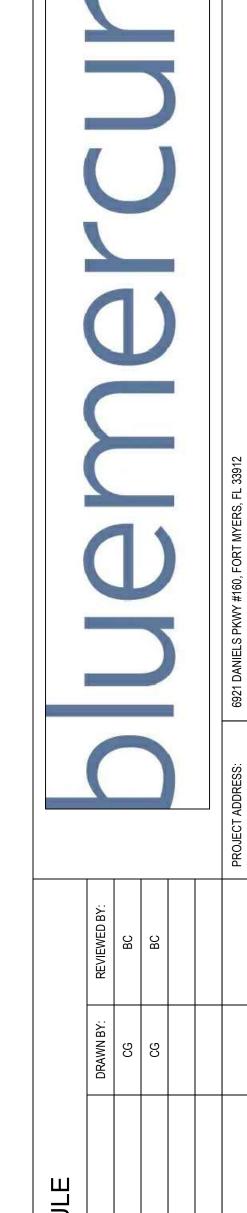
			P	ANEL LOAD SU	JMMARY				STANDBY CU	<u>, </u>	S) ALARM CURF	RENT (AMPS)	_		
PANEL COMPONENT SUMMARY			QTY 1					(A) 1 x 0.19	TOTAL (A) = 0.19	(A) 1 x 0.25	TOTAL = 0.25	_			
					0020 Main 200.1	CIRCUIT	a.ii Boaia		1 x 0	= 0	1 x 0	= 0	_ _		
						N1			1 x 0	= 0	1 x 0.0535	= 0.0535	_ - PAN	IEL P1	(6820)
					N2 N3			1 x 0 1 x 0	= 0	1 x 0.218 1 x 1.143	= 0.218		IARY R		
	CIRCUIT	SUMMARY				N4 N5			1 x 0 1 x 0	= 0	1 x 0.476 1 x 0.321	= 0.476 = 0.321	_ _		
					N6 SBUS+				1 x 0 1 x 0.02	= 0	1 x 0.248 1 x 0.025	= 0.248 = 0.025	_		
						SLC			1 x 0.01499 TOTAL STANDBY	= 0.01499 0.22499	1 x 0.02839 TOTAL ALARM	= 0.02839 2.76289	_		
			CIRCUIT	DETAILS AND	CALCULATIONS	S			CURRENT	CURRENT	CURRENT ALARM C			D-POINT VOLT	
SOURCE	CIRCUIT	AWG	SYMBOL	QTY	PART NO	DEVICE SETTING	G CIRCUIT LENGTH		CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)	STARTING CALCULATION	END OF LINE VOLTAGE	
	N1	14	F F	1	SSM24-6		40'	(Ω/ft) 0.0026	1 x 0	= 0	1 x 0.0535	= 0.0535	VOLTAGE 20.4v	20.39v	0.01v
	N2	14	W _P	1	P2RK	115cd	40'	0.0026	1 x 0	= 0	1 x 0.218	= 0.218	20.4v	20.35v	0.05v
			₩P ₩P	1	PC2RL	30cd			1 x 0	= 0	1 x 0.09	= 0.09			
				1	PC2RL	15cd			1 x 0	= 0	1 x 0.107	= 0.107		18.79v	1.61v
	N3	14					373'	0.0026					20.4v		
			C,R	2	PC2RL	75cd	_		2 x 0	= 0	2 x 0.143	= 0.286			
			× _R	11	SCRL	15cd			11 x 0	= 0	11 x 0.06	= 0.66			
				2	P2WLED	15cd	294'	0.0026	2 x 0	= 0	2 x 0.035		20.4v		
	N4	14		4	PC2WLED	75cd			4 x 0	= 0	4 x 0.087	= 0.348		19.88v	0.52v
				2	SWLED	15cd			2 x 0	= 0	2 x 0.018	= 0.036			
			X X	1	SWLED	30cd			1 x 0	= 0	1 x 0.022	= 0.022			
			<u> </u>	1	P2WLED	30cd			1 x 0	= 0	1 x 0.038	= 0.038			
6820 Main Board			<u> </u>	1	PC2WLED	15cd	147'		1 x 0	= 0	1 x 0.035	= 0.035		20.22v	
	N5	14		1	PC2WLED	30cd		0.0026	1 x 0	= 0	1 x 0.038	= 0.038	20.4v		0.18v
				2	PC2WLED	75cd			2 x 0	= 0	2 x 0.087	= 0.174			
			<u> </u>	2	SWLED	15cd			2 x 0	= 0	2 x 0.018	= 0.036			
				2	P2WLED	75cd			2 x 0	= 0	2 x 0.087	= 0.174			
	N6	14	⊠c	1	PC2WLED	30cd	173'	0.0026	1 x 0	= 0	1 x 0.038	= 0.038	20.4v	20.23v	0.17v
			X	2	SWLED	15cd			2 x 0	= 0	2 x 0.018	= 0.036			
	SBUS+	18	NAC	1	5895XL		9'	0.0065	1 x 0.02	= 0.02	1 x 0.025	= 0.025			
			\$	2	SK-DUCT				2 x 0.0003	= 0.0006	2 x 0.0003	= 0.0006	_		
			(IM)	19	SK-ISO SK-MONITOR				2 x 0.00045	= 0.0009	2 x 0.005 19 x 0.000375	= 0.007125	_		
			(S)	1	SK-PHOTO-W w/B300-6		1884'		1 x 0.0002	= 0.0002	1 x 0.0045	= 0.0045			
			F	11	SK-PULL-DA		_		11 x 0.000375	= 0.004125	11 x 0.000375	= 0.004125	_		
			(AOM)	8	SK-RELAY		_		8 x 0.000255	= 0.00204	8 x 0.000255	= 0.00204			
						SECON	IDARY POWER	SOURCE REC	QUIREMENTS						
				SECONDARY STANDBY LOAD					REQUIRED ALAF	NDBY TIME = 24 HOURS RM TIME = 5 MINUTES = 5.4 AH		PROVIDE (2) 12V			
				SECONDARY ALARM LOAD STANDBY AND ALARM LOAD SUBTOTAL DERATING FACTOR SECONDARY LOAD REQUIREMENTS (AMP HOURS)			2.76289	x 24 x 0.08	= 0.23	3 AH	12AH BATTÈRIES (
								x 1.25 7.04 AH			24VDC				
			D.	ANEL LOAD SU	IMMΔRV				STANDBY CURI	RENT (AMPS)	ALARM CURRE	NT (AMPS)			
PANEL COMPONENT SUMMARY				PART NO		DESCRIPTION		CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL	PA	NEL AF	PS1	
1			1	5895XL MAIN BOARD	FIRE ALARM (FIRE ALARM CONTROL PANEL MAIN BOARD			= 0.04	1 x 0.16	= 0.16	(5895X	L) SUM	MARY	
	CIRCUIT	SUMMARY				N1			1 x 0 TOTAL STANDBY	= 0	1 x 0.283 TOTAL ALARM	= 0.283 0.443	R	EPOR1	Γ
			CIRCUIT	DETAILS AND (CALCULATIONS	6			CURRENT STANDBY C		CURRENT ALARM CUI			POINT VOLTA	
SOURCE	CIRCUIT N1	AWG	SYMBOL	QTY		DEVICE SETTING	CIRCUIT LENGTH	CIRCUIT RESISTANCE (Ω/ft)	CURRENT DRAW (A)		CURRENT DRAW	TOTAL (A)	STARTING CALCULATION	JLATION SUMI END OF LINE VOLTAGE	VOLTAGE DRO
			×	1	P2WLED	15cd			1 x 0	= 0	(A) 1 x 0.035	= 0.035	VOLTAGE	VOLTAGE	
5895XL MAIN BOARD				1	PC2WLED	30cd			1 x 0	= 0	1 x 0.038	= 0.038		20.25v (
				·			138'						20.4v		0.15v
			⊠ _c	2	PC2WLED	75cd			2 x 0	= 0	2 x 0.087	= 0.174			
			※	2	SWLED	15cd SECON	IDARY POWER	SOURCE REC	2 x 0 QUIREMENTS	= 0	2 x 0.018	= 0.036			
							· ·		RE		Y TIME = 24 HOURS TIME = 5 MINUTES				
					SECONDARY STANDBY LOAD SECONDARY ALARM LOAD				0.04 0.443	x 24 x 0.08	= 0.96 A = 0.04 A	AH	PROVID)E (2) 1:	2V 7AH
						STANDBY AND ALARM LOAD SUBTOTAL DERATING FACTOR					1 AH x 1.25	,	BATTERIES @ 24VD0		
					SECONI	DAKY LOAD REQU	IREMENTS (AMP H	OUKS)			1.25 Al	1			

RADIO FIRE ALARM COMMUNICATOR **Battery Calculation Worksheet** (current values will be expressed in mA) Device Description Quantity of Standby mA Alarm mA Total Device Total Device Devices | Per Device | Per Device | Standby mA | Alarm mA SLE-LTEV-CFB-PS
Total Current Summary Section Standby Hours Required 24 Alarm Minutes Required 5 Total System Standby mA 71 Total System Alarm mA 200 Standby Hours * (Total Standby mA * .001) = Total System Standby AH 1.70 Alarm Minutes * .0167 * (Total Alarm mA * .001) = Total System Alarm AH 0.02 dby AH + Total Alarm AH = Total System AH 1.72

Total System AH * 1.25 = Minimum Required AH 2.15 Total Standby AH + Total Alarm AH = 20% CONTINGENCY FACTOR ADDED INSTALL (1)-12VDC 7AH BATTERY

COMMUNICATOR BATTERY CALCULATION

BLUEMERCURY FORT MYERS



CONGRESS AVENUE PALM SPRINGS, FL 33406
954-228-7539 | Fax 954-482-0472

PROJECT No:

DATE:

12/02/2024

DWG FILE:

BLUEMERCURY_FORT_MYERS

SEE DRAWINGS

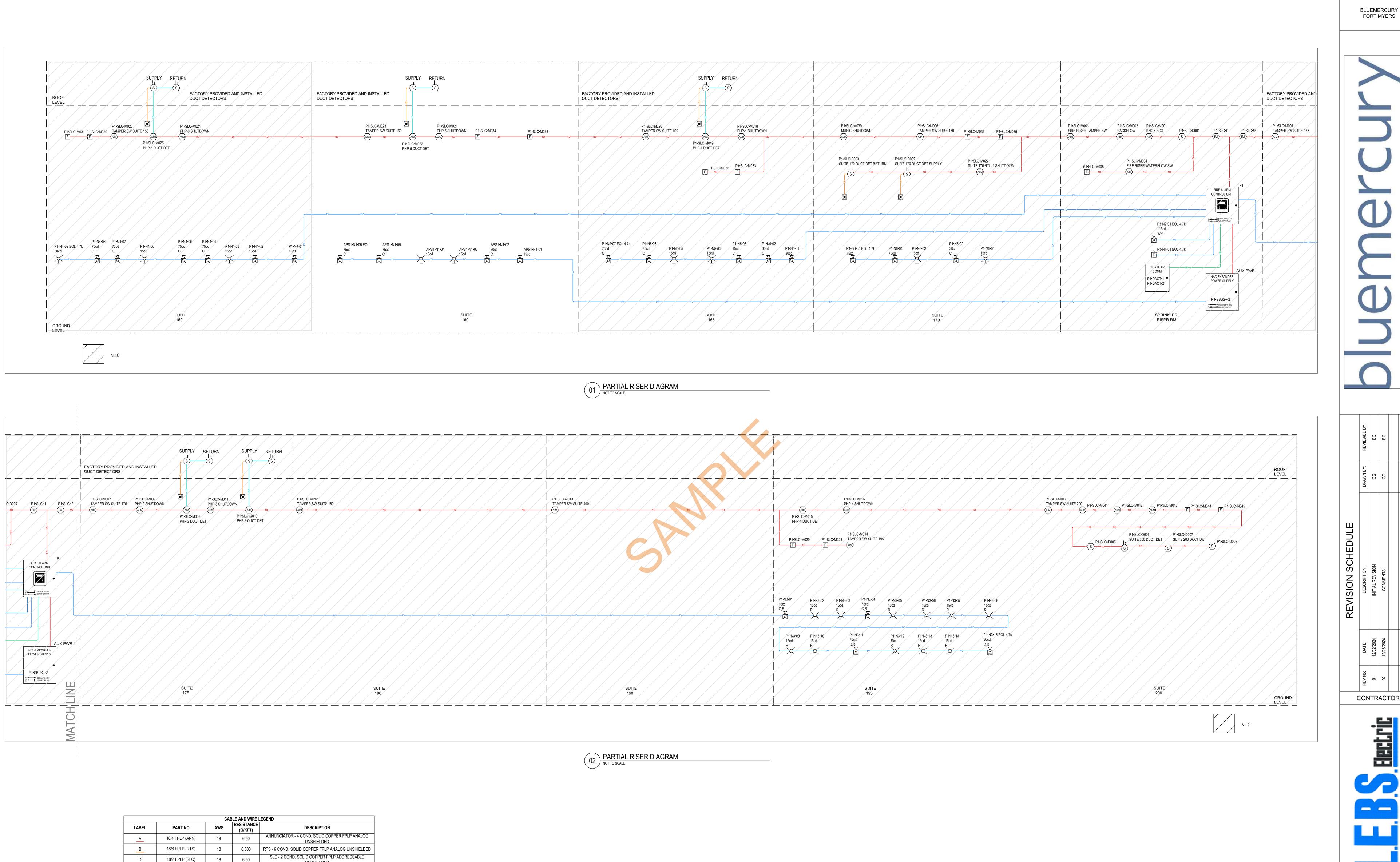
FA-03

VOLTAGE DROP CALC
NOT TO SCALE

CALCULATION METHODS:

TOTAL RESISTANCE (Ω) = WIRE RESISTANCE (Ω /FT) X 2 X TOTAL CIRCUIT LENGTH (FT)

TOTAL VOLTAGE DROP = TOTAL RESISTANCE (Ω) X TOTAL CIRCUIT CURRENT (A)



22 16.14 PHONE LINE - RJ31X SOLID COPPER TWISTED SHIELDED

14 2.60 NAC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED

18/2 FPLP (IDC) 18 6.50 IDC - 2 COND. SOLID COPPER FPLP ANALOG UNSHIELDED

RJ31X (PHL)

14/2 FPLP (NAC)

CONTRACTOR: FEEFFE

PROJECT:

PROJECT No: 12/02/2024 DWG FILE:

BLUEMERCURY_FORT_MYERS SEE DRAWINGS

FA-04