POWE	ER SUPPLY DES	IGNATOR	NAC	<b>POWER SUPPL</b>	Y PREFIX	1A !	STANDBY D	URATION F	REQUIRED (HR	<b>S)</b> 4
PANEI	L LOCATION	LEVEL 1					ALARM RIN	G TIME REC	QUIRED (MIN)	15
AREA:	SERVED	LEVEL 1				9	SPARE CAPA	ACITY (%)		25%
		POW	ER SUPP	LY BASE LOAD	/AUXILIA	RY POWE	R OUTPUT			
	PART#		DESCRIPT	ION	QTY	SUPV	. CURRENT	(mA) A	LARM CURRE	NT (mA)
	TAKI #		DESCRIT I		ζ	EAC	т тс	TAL	EACH	TOTAL
	APS10A	AUXILIARY BOOST	ER POWE	R SUPPLY	1	70	)	70	270	270
	APS AUX	BPS CIRCUITS SET		UTPUT	1	35	5	35	35	35
	SIGA-CT1	DUAL INPUT MOD	ULE		1	0.39	96 0	.396	0.68	0.68
				NAC/AU	OUTPUTS	5				
NAC/	AUX OUTPUTS		DECCE				. CURRENT	(mA) A	LARM CURRE	NT (mA
CKT. #	TYPE		DESCR	IPTION			TOTAL		TOTAL	
1	AUX. POWER	ASD FW-1.1, ASD F	W-1.2, A	SD FW-1.3			1733		1868	
2	SPARE	SPARE					0		0	
3	SPARE	SPARE					0		0	
4	SPARE	SPARE					0		0	
				TOTAL SUI	PERVISORY	CURRENT	WITH STAN		PS): 7.354	
C	conve	erg <mark>i</mark> nt	•	TOTAL SUI	SU M CURRENT	CURRENT BTOTAL A WITH AL FAL AMP I BATT	WITH STAN LARM CUR ARM RING	IDBY (AMF RENT (AMF TIME (AMF RE CAPACI IRED (AMF QUIRED (A	7.354 (S): 7.354 (S): 2.174 (S): 0.543 TY: 25% (S): 9.871 H): 10	
				TOTAL ALARI	SU M CURRENT TOT	CURRENT BTOTAL A WITH AL FAL AMP I BATT BATT	LARM CUR ARM RING SPA HOUR REQU ERY SIZE RE FERY CABIN	IDBY (AMF RENT (AMF TIME (AMF RE CAPACI IRED (AMF QUIRED (A ET PROVID	PS): 7.354 PS): 2.174 PS): 0.543 TY: 25% PS): 9.871 H): 10 ED: NO	
		-1 - AUX. PO	WER SI	TOTAL ALARI	SU M CURRENT TOT  CIRCUIT TO  DESCRIPTI	CURRENT BTOTAL A WITH AL FAL AMP I BATT BATT	LARM CUR ARM RING SPA HOUR REQU ERY SIZE RE FERY CABIN	IDBY (AMF RENT (AMF TIME (AMF RE CAPACI IRED (AMF QUIRED (A ET PROVID /ER	PS): 7.354 PS): 2.174 PS): 0.543 TY: 25% PS): 9.871 H): 10 ED: NO	
CIF	RCUIT N1A	-1 - AUX. PO	WER SUPPLY	TOTAL ALARI  JMMARY  INFORMATIO	SU M CURRENT TOT  CIRCUIT TO  DESCRIPTI	CURRENT BTOTAL A WITH AL FAL AMP I BATT BATT	LARM CUR ARM RING SPA HOUR REQU ERY SIZE RE ERY CABIN AUX. POW	RENT (AMF RENT (AMF RE CAPACI IRED (AMF QUIRED (A ET PROVID /ER 1, ASD FW CAE	PS): 7.354 PS): 2.174 PS): 0.543 TY: 25% PS): 9.871 H): 10 ED: NO	IES
CIF	RCUIT N1A	-1 - AUX. POV POWER VOLTAGE (Vdc)	WER SUPPLY	TOTAL ALARI  JMMARY  INFORMATIO LOAD FACTO	CIRCUIT TO DESCRIPTI	CURRENT BTOTAL A WITH AL FAL AMP H BATT BATT YPE ON	AUX. POW ASD FW-1	RENT (AMF RENT (AMF RE CAPACI IRED (AMF QUIRED (A ET PROVID /ER 1, ASD FW WIRE GAI	PS): 7.354 PS): 2.174 PS): 0.543 TY: 25% PS): 9.871 H): 10 ED: NO	<b>IES</b> 14
CIF NOMI MININ	RCUIT N1A	POWER VOLTAGE (Vdc)	WER SUPPLY 19.7 16	JMMARY INFORMATIO LOAD FACTO VOLTAGE W	CIRCUIT TO DESCRIPTION (LF)	CURRENT BTOTAL A WITH AL TAL AMP H BATT BATT YPE ON	AUX. POW ASD FW-1  0.59  18.59788	RENT (AMF RENT (AMF RE CAPACI IRED (AMF QUIRED (A ET PROVID /ER 1, ASD FW WIRE GAI	PS): 7.354 PS): 2.174 PS): 0.543 TY: 25% PS): 9.871 H): 10 ED: NO	IES
CIF NOMI MININ	RCUIT N1A	-1 - AUX. POV POWER VOLTAGE (Vdc)	WER SUPPLY 19.7 16	TOTAL ALARI  JMMARY  INFORMATIO LOAD FACTO	CIRCUIT TO DESCRIPTION (LF)	CURRENT BTOTAL A WITH AL TAL AMP H BATT BATT YPE ON	AUX. POWASD FW-1  0.59  1.868	IDBY (AMF RENT (AMF RENT (AMF RE CAPACI IRED (AMF QUIRED (A ET PROVID /ER 1, ASD FW WIRE GAI Ω PER 1K	PS): 7.354 PS): 2.174 PS): 0.543 TY: 25% PS): 9.871 H): 10 ED: NO P-1.2, ASD FW- BLE PROPERT JGE (AWG) FEET (OHMS)	14 3.07
CIF NOMI MININ TOTAL	RCUIT N1A  INAL STARTING MUM DEVICE V L SUPERVISORY	POWER VOLTAGE (Vdc)	WER SUPPLY  19.7  16  1.733	JMMARY INFORMATIO LOAD FACTO VOLTAGE W	CIRCUIT TO DESCRIPTION (LF)	CURRENT BTOTAL A WITH AL TAL AMP H BATT BATT YPE ON TOR (VDC)	AUX. POW ASD FW-1	IDBY (AMF RENT (AMF RENT (AMF RE CAPACI IRED (AMF QUIRED (A ET PROVID /ER .1, ASD FW WIRE GAI Ω PER 1K Y CURRENT	PS): 7.354 PS): 2.174 PS): 0.543 TY: 25% PS): 9.871 H): 10 ED: NO PSLE PROPERT JGE (AWG) FEET (OHMS)	14 3.07 URRENT
CIF NOMI MININ TOTAL	RCUIT N1A	POWER VOLTAGE (Vdc)	WER SUPPLY 19.7 16	JMMARY INFORMATIO LOAD FACTO VOLTAGE W	CIRCUIT TO DESCRIPTION (LF)	CURRENT BTOTAL A WITH AL TAL AMP H BATT BATT YPE ON	AUX. POW ASD FW-1  0.59 18.59788 1.868 STANDB	IDBY (AMF RENT (AMF RENT (AMF RE CAPACI IRED (AMF QUIRED (A ET PROVID  VER 1, ASD FW WIRE GAI Q PER 1K Y CURRENT TAA)	PS): 7.354 PS): 2.174 PS): 0.543 TY: 25% PS): 9.871 H): 10 ED: NO PSILE PROPERT JGE (AWG) FEET (OHMS)	14 3.07 URRENT
CIF NOMI MININ TOTAL	RCUIT N1A  INAL STARTING MUM DEVICE V L SUPERVISORY	POWER VOLTAGE (Vdc)	### SUPPLY  19.7  16  1.733  DEVICE	JMMARY INFORMATIO LOAD FACTO VOLTAGE W TOTAL ALARI	CIRCUIT TO DESCRIPTION (LF)	CURRENT BTOTAL A WITH AL TAL AMP H BATT BATT YPE ON TOR (VDC)	AUX. POW ASD FW-1	IDBY (AMF RENT (AMF RENT (AMF RE CAPACI IRED (AMF QUIRED (A ET PROVID /ER .1, ASD FW WIRE GAI Ω PER 1K Y CURRENT	PS): 7.354 PS): 2.174 PS): 0.543 TY: 25% PS): 9.871 H): 10 ED: NO PSLE PROPERT JGE (AWG) FEET (OHMS)	14 3.07 URRENT

OTTE	R SUPPLY DES	IGNATOR	NAC	POWER SUPPL	Y PREFIX		1B S	STANDBY D	URATION	REQUIRED (H	RS)	4
PANEL	LOCATION	LEVEL 1					l	ALARM RIN	G TIME RE	QUIRED (MIN	I)	15
AREA S	SERVED	LEVEL 1					9	SPARE CAP	ACITY (%)			25%
		PC	WER SUP	PLY BASE LOAD	/AUXILIA	ARY	POWE	R OUTPUT				
	PART#		DESCRIP	PTION	0.	TY.	SUPV	. CURRENT	(mA) A	LARM CURR	ENT	(mA)
							EAC	Н ТС	TAL	EACH	TO	
	APS10A	AUXILIARY BOO				1	70		70	270		70
	APS AUX	BPS CIRCUITS S		OUTPUT		1	35		35	35		5
S	IGA-CT1	DUAL INPUT M	ODULE			1	0.39	96   0	.396	0.68	0.	68
				NAC/AU	( OUTPU	TS						
NAC/A	AUX OUTPUTS		DECC	CDIDTION			SUPV	. CURRENT	(mA)	LARM CURR	ENT	(mA)
CKT.#	TYPE		DESC	CRIPTION				TOTAL		TOTA	L	
1	AUX. POWER	ASD FW-2.1, AS	SD FW-2.2,	ASD FW-2.3				1733		1868		
2	SPARE	SPARE						0		0		
3	SPARE	SPARE						0		0		
4	SPARE	SPARE						0		0		
				TOTAL ALAR	S	SUBT	OTAL A	WITH STAN LARM CUR ARM RING	RENT (AM	PS): 2.174	ı	
C	onve	erg <mark>i</mark> n	it°		S M CURREI	SUBT NT W	OTAL A VITH AL L AMP H BATTI	LARM CUR ARM RING SPA OUR REQU ERY SIZE RE	RENT (AM TIME (AM RE CAPAC IIRED (AM CQUIRED (A	PS): 2.174 PS): 0.543 ITY: 25% PS): 9.871 AH): 10	l B	
С	onve	erg <mark>i</mark> n	<b>t</b> °		S M CURREI	OTAL	OTAL A VITH AL L AMP H BATT BATT	LARM CUR ARM RING SPA HOUR REQU ERY SIZE RE	RENT (AM TIME (AM RE CAPAC IIRED (AM CQUIRED (A ET PROVIE	PS): 2.174 PS): 0.543 ITY: 25% PS): 9.871 AH): 10	l B	
		erg <mark>i</mark> n		TOTAL ALAR	S M CURREI TO CIRCUIT	OTAL	OTAL A VITH AL L AMP H BATT BATT	LARM CUR ARM RING SPA HOUR REQU ERY SIZE RE ERY CABIN	RENT (AM TIME (AM RE CAPAC IIRED (AM QUIRED (A ET PROVID	PS): 2.174 PS): 0.543 ITY: 25% PS): 9.873 AH): 10 DED: NO		
		-1 - AUX. P	OWER S	TOTAL ALAR	CIRCUIT DESCRIP	OTAL	OTAL A VITH AL L AMP H BATT BATT	LARM CUR ARM RING SPA HOUR REQU ERY SIZE RE ERY CABIN	RENT (AM TIME (AM RE CAPAC VIRED (AM EQUIRED (A ET PROVID VER 1, ASD FW	PS): 2.174 PS): 0.543 ITY: 25% PS): 9.871 AH): 10 DED: NO	/-2.3	
CIR	CUIT N1B	-1 - AUX. P	OWER S	TOTAL ALAR	CIRCUIT DESCRIP	OTAL	OTAL A VITH AL L AMP H BATT BATT	LARM CUR ARM RING SPA HOUR REQU ERY SIZE RE TERY CABIN AUX. POW ASD FW-2	RENT (AM TIME (AM RE CAPAC LIRED (AM EQUIRED (A ET PROVIE LET PROVIE LET ASD FW CAL	PS): 2.174 PS): 0.543 ITY: 25% PS): 9.871 AH): 10 DED: NO  7-2.2, ASD FW BLE PROPER	/-2.3	5
CIR	CUIT N1B	-1 - AUX. P  POW VOLTAGE (Vdc	OWER S	TOTAL ALARI  SUMMARY  Y INFORMATIO  LOAD FACTO	CIRCUIT DESCRIP N R (LF)	OTAL TYPI	OTAL A VITH AL L AMP H BATT BATT	LARM CUR ARM RING SPA HOUR REQUERY SIZE RETERY CABIN AUX. POW ASD FW-2	RENT (AM TIME (AM RE CAPAC LIRED (AM CQUIRED (A ET PROVIE LATA ASD FW WIRE GA	PS): 2.174 PS): 0.543 ITY: 25% PS): 9.871 AH): 10 DED: NO	/-2.3 TIES	5 14
CIR NOMII MINIM	CUIT N1B	-1 - AUX. P	OWER S VER SUPPL 3) 19.7	TOTAL ALAR  SUMMARY  Y INFORMATIO  LOAD FACTO  VOLTAGE W	CIRCUIT DESCRIP N R (LF)	OTAL  TYPI  TION	COTAL A VITH AL L AMP H BATT BATT E N	LARM CUR ARM RING SPA HOUR REQUERY SIZE RETERY CABIN AUX. POW ASD FW-2	RENT (AM TIME (AM RE CAPAC LIRED (AM CQUIRED (A ET PROVIE LATA ASD FW CAL WIRE GA	PS): 2.174 PS): 0.543 ITY: 25% PS): 9.871 AH): 10 DED: NO  7-2.2, ASD FW BLE PROPER	/-2.3 TIES	5
CIR NOMII MINIM	CUIT N1B	POW VOLTAGE (Vdc	OWER SUPPL (E) 19.7	TOTAL ALAR  SUMMARY  Y INFORMATIO  LOAD FACTO  VOLTAGE W	CIRCUIT DESCRIP N R (LF)	OTAL  TYPI  TION	COTAL A VITH AL L AMP H BATT BATT E N	LARM CUR ARM RING SPA HOUR REQUERY SIZE RETERY CABIN AUX. POW ASD FW-2 0.59 18.59788 1.868	RENT (AM TIME (AM RE CAPAC LIRED (AM CQUIRED (A ET PROVIE LATA ASD FW CAL WIRE GA	PS): 2.174 PS): 0.543 ITY: 25% PS): 9.871 AH): 10 DED: NO  /-2.2, ASD FW BLE PROPER UGE (AWG) FEET (OHMS	7-2.3	14 3.07
CIR NOMIN MINIM TOTAL	CUIT N1B	POW VOLTAGE (Vdc	OWER S VER SUPPL 3) 19.7	TOTAL ALARI  SUMMARY  Y INFORMATIO  LOAD FACTO  VOLTAGE W  TOTAL ALARI	CIRCUIT DESCRIP N R (LF)	TYPI CTOI	COTAL A VITH AL L AMP H BATT BATT E N	ARM CUR SPA HOUR REQUERY SIZE RE TERY CABIN AUX. POW ASD FW-2  0.59 18.59788 1.868 STANDB	RENT (AM TIME (AM RE CAPAC IIRED (AM QUIRED (A ET PROVIE A1, ASD FW WIRE GA Ω PER 1K	PS): 2.174 PS): 0.543 ITY: 25% PS): 9.871 AH): 10 DED: NO  7-2.2, ASD FW BLE PROPER UGE (AWG) FEET (OHMS	7-2.3	14 3.07
CIR NOMIN MINIM TOTAL	NAL STARTING IUM DEVICE V SUPERVISOR	POW VOLTAGE (Vdc	POWER SUPPL (ER SUPPL 19.7 16 (PS) 1.733	TOTAL ALARI  SUMMARY  Y INFORMATIO  LOAD FACTO  VOLTAGE W  TOTAL ALARI	CIRCUIT DESCRIP N R (LF)	TYPI CTOI	COTAL A VITH AL L AMP H BATT BATT E N R (VDC)	ARM CUR SPA HOUR REQUERY SIZE RE TERY CABIN AUX. POW ASD FW-2  0.59 18.59788 1.868 STANDB	RENT (AM TIME (AM RE CAPAC URED (AM EQUIRED (A ET PROVIE A A A CAI WIRE GA  Ω PER 1K Y CURRENT	PS): 2.174 PS): 0.543 ITY: 25% PS): 9.871 AH): 10 DED: NO  /-2.2, ASD FW BLE PROPER UGE (AWG) FEET (OHMS	/-2.3 TIES CURF	14 3.07
CIR NOMIN MINIM FOTAL	NAL STARTING IUM DEVICE V SUPERVISORV RT#	POW VOLTAGE (Vdc	PS) 1.733	TOTAL ALARI  SUMMARY  Y INFORMATIO  LOAD FACTO  VOLTAGE W  TOTAL ALARI	CIRCUIT DESCRIP N R (LF)	TYPI CTOI	COTAL A VITH AL L AMP H BATT BATT E N R (VDC)	LARM CUR ARM RING SPA HOUR REQUERY SIZE RETERY CABIN AUX. POW ASD FW-2 0.59 18.59788 1.868 STANDB	RENT (AM TIME (AM RE CAPAC IIRED (AM QUIRED (A ET PROVIE A 1, ASD FW WIRE GA WIRE GA Y CURRENT THAN	PS): 2.174 PS): 0.543 ITY: 25% PS): 9.871 AH): 10 DED: NO  /-2.2, ASD FW BLE PROPER UGE (AWG) FEET (OHMS	TIES  CURF	14 3.07 RENT

SUPPLIES ARE REQUIRED.

		LEVIEL 4										25%
AREA S	SERVED	LEVEL 1			_			PARE CAP	•	<u>%)                                    </u>		
		POWE	R SUPPL	Y BASE LOAD	/AUXILI	ARY P	POWER	OUTPU	Г			
	PART#	n	ESCRIPTION	ON	0	TY.	SUPV.	CURREN	(mA)	ALA	RM CURRE	NT (mA)
	TAICI II		ZESCIAI TIC		~	• • •	EACH	i T	OTAL	E	ACH	TOTAL
į	APS10A	AUXILIARY BOOSTE	R POWER	SUPPLY		1	70		70	2	270	270
P	APS AUX	BPS CIRCUITS SET T	O AUX OL	JTPUT		1	35		35		35	35
S	IGA-CT1	DUAL INPUT MODU	JLE			1	0.396	5 (	.396	(	0.68	0.68
				NAC/AUX	OUTPU	TS						
NAC/A	UX OUTPUTS		DECCDI	DTION			SUPV.	CURREN	(mA)	ALA	RM CURRE	NT (mA)
CKT.#	TYPE		DESCRI	PTION				TOTAL			TOTAL	
1	AUX. POWER	BATT-1, UPS-1						734			800	
2	SPARE	SPARE						0			0	
3	SPARE	SPARE						0			0	
4	SPARE	SPARE						0			0	
					SUBTO <sup>*</sup>	TAL SU	<b>JPERVIS</b>	ORY CUP	RENT (A	MPS)	: 0.839	
				TOTAL SUF	PERVISOR	RY CUF	RRENT V	<b>NITH STA</b>	NDBY (A	MPS)	: 3.358	
				TOTAL SUF				NITH STA ARM CUF	•			
					9	SUBTO	OTAL AL	ARM CUF	RENT (A	MPS)	: 1.106	
				TOTAL SUF	9	SUBTO	OTAL AL	ARM CUF RM RING	RENT (A	MPS)	): 1.106 ): 0.276	
		oraint°	D		M CURRE	NT WI	OTAL ALA	ARM CUF RM RING SP	RENT (A TIME (A ARE CAP	MPS) MPS) ACITY	): 1.106 ): 0.276 7: 25%	
C	onve	erg <mark>i</mark> nt°	D		M CURRE	NT WI	OTAL ALA ITH ALA AMP HO	ARM CUF RM RING	RENT (A TIME (A ARE CAP JIRED (A	MPS) MPS) ACITY MPS)	): 1.106 ): 0.276 /: 25% ): 4.543	
C	onve	erg <mark>i</mark> nt	D		M CURRE	NT WI	OTAL ALA ITH ALA AMP HO BATTEI	ARM CUF RM RING SP/ DUR REQI	RENT (A TIME (A ARE CAP JIRED (A EQUIRED	MPS) MPS) ACITY MPS) O (AH)	1.106 1: 0.276 1: 25% 1: 4.543 1: 7	
				TOTAL ALARI	M CURRE	OTAL	OTAL ALA ITH ALA AMP HO BATTEI BATTE	ARM CUF RM RING SP/ DUR REQI RY SIZE R	RENT (A TIME (A ARE CAP JIRED (A EQUIRED	MPS) MPS) ACITY MPS) O (AH)	1.106 1: 0.276 1: 25% 1: 4.543 1: 7	
		ergint		TOTAL ALARI	M CURRE	OTAL A	OTAL ALA ITH ALA AMP HO BATTEI BATTE	ARM CUF RM RING SP/ DUR REQI RY SIZE R RY CABIN	RENT (A TIME (A ARE CAP JIRED (A EQUIRED IET PROV	MPS) MPS) ACITY MPS) O (AH)	1.106 1: 0.276 1: 25% 1: 4.543 1: 7	
		-1 - AUX. POV	VER SU	TOTAL ALARI	CIRCUIT DESCRIP	OTAL A	OTAL ALA ITH ALA AMP HO BATTEI BATTE	ARM CUF RM RING SP/ DUR REQI RY SIZE R ERY CABIN	RENT (A TIME (A ARE CAPA JIRED (A EQUIRED JIET PROV VER PS-1	AMPS) ACITY AMPS) O (AH) VIDED	1.106 1: 0.276 1: 25% 1: 4.543 1: 7	
CIR	CUIT N1C	-1 - AUX. POV	VER SU	TOTAL ALARI	CIRCUIT DESCRIP	OTAL A	OTAL ALA ITH ALA AMP HO BATTEI BATTE	ARM CUF RM RING SP/ DUR REQI RY SIZE R ERY CABIN	RENT (A TIME (A ARE CAP JIRED (A EQUIRED IET PROV VER PS-1	AMPS) ACITY AMPS) O (AH) VIDED	1.106 1: 0.276 7: 25% 1: 4.543 1: 7 1: NO	
CIR	CUIT N1C	-1 - AUX. POV POWER: VOLTAGE (Vdc)	VER SU	TOTAL ALARI  MMARY  NFORMATIO	CIRCUIT DESCRIP N R (LF)	OTAL A	OTAL ALA ITH ALA  AMP HO BATTE BATTE	ARM CUF RM RING SP/ DUR REQI RY SIZE R ERY CABIN AUX. POV BATT-1, U	RENT (A TIME (A ARE CAPA JIRED (A EQUIRED JIET PROV VER PS-1 WIRE (	AMPS) AMPS) ACITY AMPS) O (AH) VIDED	1.106 1: 0.276 2: 25% 1: 4.543 1: 7 10: NO	TIES
CIR	CUIT N1C- NAL STARTING IUM DEVICE V	-1 - AUX. POV POWER: VOLTAGE (Vdc)	VER SU SUPPLY I 19.7 16	MMARY NFORMATIO	CIRCUIT DESCRIP N R (LF)	OTAL / TYPE TION CTOR	AMP HC BATTE BATTE	ARM CUF RM RING SP/ DUR REQUE RY SIZE R RY CABIN AUX. POV BATT-1, U 0.59	RENT (A TIME (A ARE CAPA JIRED (A EQUIRED JIET PROV VER PS-1 WIRE (	AMPS) AMPS) ACITY AMPS) O (AH) VIDED	1.106 1: 0.276 2: 25% 1: 4.543 1: 7 10: NO E PROPER GE (AWG)	<b>ΓΙΕS</b> 14
CIR NOMII MINIM	CUIT N1C- NAL STARTING IUM DEVICE V	POWER : VOLTAGE (Vdc) OLTAGE (Vdc)	VER SU SUPPLY I 19.7 16	MMARY  NFORMATIO  LOAD FACTO  VOLTAGE W/	CIRCUIT DESCRIP N R (LF)	OTAL / TYPE TION CTOR	AMP HC BATTE BATTE	ARM CUF RM RING SPA DUR REQUE RY SIZE R RY CABIN AUX. POV BATT-1, U  0.59 19.228	ERENT (A TIME (A ARE CAPA JIRED (A EQUIRED	AMPS) AMPS) ACITY AMPS) O (AH) VIDED CABLE GAUG	1.106 1: 0.276 2: 25% 1: 4.543 1: 7 10: NO E PROPER GE (AWG)	TIES  14  3.07
CIR NOMII MINIM TOTAL	CUIT N1C- NAL STARTING IUM DEVICE V	POWER: VOLTAGE (Vdc) OLTAGE (Vdc) CURRENT (AMPS)	VER SU SUPPLY I 19.7 16	MMARY  NFORMATIO  LOAD FACTO  VOLTAGE W/	CIRCUIT DESCRIP N R (LF)	TYPE TION  CTOR	AMP HC BATTE BATTE	ARM CUF RM RING SPA DUR REQUE RY SIZE R RY CABIN AUX. POV BATT-1, U  0.59 19.228 0.800 STANDE	ERENT (A TIME (A ARE CAPA JIRED (A EQUIRED	AMPS) AMPS) ACITY AMPS) O (AH) VIDED CABLE GAUG	1.106 1: 0.276 2: 25% 1: 4.543 1: 7 10: NO E PROPER GE (AWG)	TIES  14 3.07  URRENT
CIR NOMII MINIM TOTAL	NAL STARTING NUM DEVICE V SUPERVISORY	POWER: VOLTAGE (Vdc) OLTAGE (Vdc) CURRENT (AMPS)	VER SU SUPPLY I 19.7 16 0.734	MMARY  NFORMATIO  LOAD FACTO  VOLTAGE W/	CIRCUIT DESCRIP N R (LF)	TYPE TION  CTOR	AMP HO BATTE BATTE  (VDC) MPS)	ARM CUF RM RING SPA DUR REQUE RY SIZE R RY CABIN AUX. POV BATT-1, U  0.59 19.228 0.800 STANDE	IRENT (A TIME (A ARE CAP JIRED (A EQUIRED IET PROV VER PS-1 WIRE ( Ω PER Y CURRE	AMPS) AMPS) ACITY AMPS) O (AH) VIDED CABLE GAUG 1K FE	1.106 1.276 1.25% 1.4.543 1.7 1.0: NO E PROPER GE (AWG) ET (OHMS)	TIES  14 3.07  URRENT

APS10A NAC 1C - Battery Calculation

POWER SUPPLY DESIGNATOR NAC POWER SUPPLY PREFIX 1C STANDBY DURATION REQUIRED (HRS) 4

PANEL LOCATION LEVEL 1

CALCULATIONS ASSUME POWER SUPPLIES ARE SUPPORTED BY AN EMERGENCY

IF GENERATOR SUPPORTED CIRCUITS ARE NOT AVAILABLE< ADDITIONAL POWER

GENERATOR CAPABLE OF 24 HOURS OF RUNTIME.

POWE	R SUPPLY DES	IGNATOR	NAC F	POWER SUPPLY	Y PREFIX	1D	STAN	IDBY DU	JRATION R	EQUIRED (HR	<b>S)</b> 4
PANEL	LOCATION	LEVEL 1	-				ALAR	M RING	TIME REC	UIRED (MIN)	15
AREA S	ERVED	LEVEL 1					SPAR	E CAPA	CITY (%)		25%
		POW	ER SUPPL	Y BASE LOAD	/AUXILIA	RY PO	WER O	UTPUT			
	PART#	,	DESCRIPTION	ON.	Q	S	UPV. CU	RRENT (	mA) Al	ARM CURRE	NT (mA)
	PAKI#		DESCRIPTIO	JN	Ų	1.	EACH	TO	TAL	EACH	TOTAL
,	APS10A	<b>AUXILIARY BOOST</b>	ER POWER	SUPPLY	1	1	70	7	0	270	270
Α	APS AUX	BPS CIRCUITS SET	TO AUX OL	JTPUT	- 1	1	35	3	35	35	35
S	IGA-CT1	DUAL INPUT MOD	ULE		1	1	0.396	0.3	396	0.68	0.68
				NAC/AUX	OUTPUT	rs					
NAC/A	UX OUTPUTS			-			UPV. CU	RRENT (	mA) AI	ARM CURRE	NT (mA)
CKT.#	TYPE	1	DESCRI	PTION				OTAL		TOTAL	(
1		ASD FW-1.1, ASD F	W-1.2. AS	D FW-1.3				733		1868	
2	SPARE	SPARE						0		0	
3	SPARE	SPARE						0		0	
4	SPARE	SPARE						0		0	
	onv	ergint	•		то	В	ATTERY S	R REQUI	RE CAPACIT RED (AMP QUIRED (AI T PROVIDE	S): 9.871 H): 10	
C								X. POW		.b. NO	
С					CIDCUIT	TVDE			-IV	4 0 4 0 5 5 14	
	CUIT N1D	)-1 - AUX. PO\	WER SU	MMARY	CIRCUIT				1 ASD FW-	1 ) ASD FW-	1 3
	CUIT N1D				DESCRIP				1, ASD FW-		
CIR		POWER	SUPPLY I	NFORMATIO	DESCRIP <sup>*</sup>		ASE	) FW-1.:	CAB	LE PROPERT	IES
CIR	NAL STARTING				DESCRIP N R (LF)	TION	ASE	0.59	CAB WIRE GAL		
CIR NOMIN	NAL STARTING	POWER VOLTAGE (Vdc)	19.7 16	NFORMATION LOAD FACTO	DESCRIP N R (LF) 'LOAD FA	TION CTOR (V	ASE (/DC) 18.	0.59	CAB WIRE GAL	LE PROPERT IGE (AWG)	TES 14
CIR NOMIN	NAL STARTING	POWER S VOLTAGE (Vdc) OLTAGE (Vdc)	19.7 16	NFORMATION LOAD FACTO VOLTAGE W/	DESCRIP N R (LF) 'LOAD FA	TION CTOR (V	ASE //DC) 18. PS) 1	0.59 .59788	CAB WIRE GAL	LE PROPERT IGE (AWG)	14 3.07
CIR NOMIN MINIM TOTAL	NAL STARTING	POWER S VOLTAGE (Vdc) OLTAGE (Vdc)	19.7 16	NFORMATION LOAD FACTO VOLTAGE W/	DESCRIP N R (LF) 'LOAD FA	TION CTOR (V	ASC //DC) 18. PS) 1	0.59 .59788 .868	CAB WIRE GAU Ω PER 1K F	LE PROPERT IGE (AWG) EET (OHMS)	14 3.07 JRRENT
CIR NOMIN MINIM TOTAL	NAL STARTING IUM DEVICE V SUPERVISORY	POWER S VOLTAGE (Vdc) OLTAGE (Vdc)	19.7 16 1.733	NFORMATION LOAD FACTO VOLTAGE W/	DESCRIP N R (LF) 'LOAD FA	CTOR (\	ASC (//DC) 18. PS) 1 ST	0.59 .59788 .868	CAB WIRE GAL Ω PER 1K F	LE PROPERT JGE (AWG) EEET (OHMS)	14 3.07 JRRENT
CIR NOMIN MINIM TOTAL	NAL STARTING IUM DEVICE V SUPERVISORY	POWER S VOLTAGE (Vdc) OLTAGE (Vdc)	19.7 16 1.733 DEVICE	NFORMATION LOAD FACTO VOLTAGE W/ TOTAL ALARM	DESCRIP N R (LF) 'LOAD FA	CTOR (\	ASC //DC) 18. PS) 1 ST /	0.59 .59788 .868 ANDBY	CAB WIRE GAL Ω PER 1K F CURRENT	LE PROPERT JGE (AWG) EET (OHMS) ALARM CU	14 3.07 JRRENT

**Development & Permitting Services** Engineering

convergint

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REV	JOB# - DESCRIPTION	DATE	BY
0	ISSUED FOR PERMIT	04/15/2024	JU

 DRAWN BY:
 OBADIAH R.

 PROJECT DESIGNER:
 JACOB U.

 PROJECT MANAGER:
 CHARITY W.

 JOB NUMBER:
 US01-J00229129

 SCALE:
 AS SHOWN

 DATE:
 04/11/2024

CENTERIS DATACENTER 1ST FLOOR VESDA UPDATES 1023 39TH AVE SE PUYALLUP, WA, 98374

**CALCULATIONS** 

FIRE ALARM SYSTEM

FA-5-1