



















SUBMITTED BY: CONCURRED BY:

SHEET NO:

DAS-

			OLTAGE DROP CALC	ULATION (PB1)		
CIRCUIT NUMBER	CONDUCTOR LENGTH	CABLE RESISTANCE (PER 305m @ 90°)	AMPERE PER RUN	VOLTAGE DROP	%VD	REMARKS
1	31	0.010786885	13,33333333	4.458579235	1.938513%	CABLE IS PROPERLY SIZED
2	32	0.010786885	15.83333333	5.465355191	2.376241%	CABLE IS PROPERLY SIZED
S	48	0.006819672	14.58333333	4.773770492	2.075552%	CABLE IS PROPERLY SIZED



							DER	NATING OF CONDUCTO	IR'S AMPACITY (PB1)						
CIRCUIT NUMBER		CABLE	VOLTAGE	LOAD	AD	FIA	CON	TINOUS LOAD?	SELECTED CONDUCTO	20		NO. OF RUNS	NO. OF RUNS DERATING FAC	NO. OF RUNS DERATING FACTOR NE	NO. OF RUNS DERATING FACTOR NEW AMP.
Contract to the latest and the lates	FROM	70		VA	HP	100	YES/NO	1.25/EQUAL FLA	SIZE		AMP.	AMP.	AMP. TEMP. 40" GROU	AMP. TEMP. 40" GROUPINGS	AMP. TEMP, 40" GROUPINGS
1	PB1	FARTHEST	24	320		13.33333	YES	16.66666667	2.0mm²THHN Cu.		25	25 1	1	1	1 0.91 1
2	PB1	FARTHEST		380		15.83333	YES	19.79166667	2.0mm²THHN Cu.	_	25	25 1	25 1 0.91	25 1 0.91 1	25 1 0.91 1 22.75
3	P81	FARTHEST	24	350		14.58333	YES	18.22916667	2,0mm ² THHN Cu.		30	30 1	30 1 0.91	30 1 0.91 1	jut.

FDAS PANEL LOAD SCHEDULE AND VOLTAGE DROP CALCULATION

					w	42	+	90	Ĉ.					Γ		
						23	22	17							l	
												FEED	PANEL DESIGNATION: FDAS AREA/EGPT, SERVED:			
					TOTAL					LOAD DESCRIPTION		FEED FROM:	ATION: FDAS			
TOTAL CURRENT LOAD	TOTAL DEMAND LOAD	DEMAND FACTOR	TOTAL PANEL LOAD	LOAD COMPUTATION			Control of the Control									
		10		TATIO		10	+	12	10	VOLTAGE	METERS				l	
us A	1.04 KVA	100%	TON KVA			24	24	M	York	AGE	Na in			PAN	l	
A	NAN 1	366	ICVA		0.99	0.33	0.36	0.30	MON	RATING				EL 11	l	
100					1.04	0.35	0.38	0.32	AVA	9.91				OAD	l	
SYSTEM WOLTAGE		WITH MULTIPLIER	21 MU		1.04	0.35	0.38	0.32	AB	D				SCHE	l	
SPATIO	PHASE	LTIPLIER	94 MULTIPLIER		0.00				200	ISTRI	LOAD			DULE	l	
					0.00				9	DISTRIBUTION	O O			ANE	l	
230 V	1.0	yn D	100%		9.00	L			30	-				OV O	l	
<	8	>	760	i		100%	100%	190%	Demand factor					LTAG	ı	
	2					14.5	15.8	13.2	Bernand Full Load factor Current				M M	EDRC	ı	
NOS	MAIN GROUND WIRE	MAIN SERVICE WIRE	MAIN PROTECTION	MAIN		125%	125%	125%	% Multiplier	A S II G			2	MOUNTING LOCATION:	P CA	
CONDUIT SIZE	NIO WIRE	ACE WIRE	MOLIDEL	N BREA		H	20	16		BELANE SIZE		REED TYPE:	DICATION	PANEL LOAD SCHEDULE AND VOLTAGE DROP CALCUTION	l	
				KER S					AT	9.71				NOI	١	
15		2		IZE AN					k					١		
15 mmd		Ħ	15 AT	O CAR			N	2	d.						١	
RSC	1	2	36	EE 313		1.0	1.0	1.0	Sets						١	
	2.0	15	30 AF	DETAIL	ı	2	2	2	a di	SERVIC		NOLTAGE ENG			١	
	2.0 mm²	3.5 mm²				t	2.0	20	Service	CABLE DETAIL SERVICE WIRE GROUND WIRE	CAB				١	
	W	THOM				116811	THOSH	MISSIL	type		TE DE!					
		FL CURRENT	HEMSHAT		ı	1.0	15	1.0	# of		TAIL	WOLTAGE SYSTEM: 130 V WHRE: 130 V			١	
	V WILLSAS					2.0	2.0	2.0	Ground			E : PANEL B	WIRE: 10 2W+G			
	SYSTEM VOLTAGE					MHHT	MHH	MINE T	Type	RE		300	A AM+R			
						15	15	15	a a		200					
	230					PAC	1880	泵	Туре	1000	71110					



