S	M	OUNT:	SURF	ACE	120	208	3-PHASE, 4W	P	ANEL		1	4	CAPACITY:	400A		1887	CAP:	200KA	i.	8
NOTES	LOCA	TION:	REEN	ING A	REA		4	L	JGS:		ME	5	DEMAND LOAD:	280A		AV. F	AULT:	22 KA		NOTES
z	CKT	LTG	REC	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	φ	AMP	POLE	DESCRIPTION	LTG	REC	HVAC	MISC	NP	CKT	2
	- 1			19.6						A	20	1	AUTOMATIC DOOR	1			0.1		2	C
	3			19.6			RTU1	90	3	8	20	1	PHONE BOARD/BUZZER				8.4		4	C
	5			10.6						ε	20	1	ENERGY MANAGEMENT	1			0.2		6	C
	7			19.6						A	20	-1	OUTDOOR DRINK VEND	1	0.2				8	
	9		·····	19.6			RTU 2	90	3	8	20	1	OUTDOOR HVAC REC	1	0.7	1			10	
	11			10.6			1			C	20	1	SPARE		1				12	_
	13			1			SPARE	20	1	A	20	1	ICE CREAM FREEZER	1			0.4		14	C
	15						SPARE	20	1	8	20	1	DRINK COOLER	 	-		8.0		16	C
	17						SPARE	20	1	3	20	1	INTERFACE EQUIP				0.5		18	
C	19				1.7		WATER HEATER	20	1	A	20	1	VSAT SATA HUB EQUIP	T			0.5		20	
	21						SPARE	20	1	8	20	1	CCTV EQUIP		-		1,0		22	
	23				0.2		DRINKING FOUNTAIN	20	1	C	20	1	SECURITY REC		0.2				24	C
С	25		0.2				OUTDOOR ICE REC	20	1	A	20	11	OFFICE REC	T	0.7				26	C
6	27				1.2		C00LER#1	20	1	В	20	1	BREAK ROOM REC		0.5				28	
C	29				1.2		COOLER#2	20	1	C	20	1	SALES REC		0.5				30	
C	31			1	1.2		COOLER#3	20	1	A	20	-1	SPARE						32	
C	33				1.2		COOLER#4	20	1	8	20	1	ICE CREAM FREEZER	1	0.2				34	C
C	35		1.2				COOLER#5	20	1	C	20	- 1	GATORADE	T	0.8				36	C
C	37		0.2				RECEIVING RECEPTACLE	20	1	A									38	-
С	35	·	·				SPARE	20	1	8	200	3	PANEL "B"	8.3	0.0	0.1	23.4	0.0	40	
C	41			T			SPARE	20	1	E				I	T				42	
	1				LOAD	TYPE	CONNECTED		DEM	IND	,	DEM.	AND FORMULA				TOTAL	LOAD)	

 PHASE BALANCE			LOAD TYPE	CONNECTED	DEMAND	DEMAND FORMULA	TOTAL	LOAD
5.7	MOE BALAIR	VE	LIGHTING	8.3 KVA	10.4 KVA	LOAD X 125% NEC 219.19 CONTINUOUS	CONNECTED	DEMAND
.0	LOAD	%	RECEPTACLE	5.4 KVA	5.4 KVA	10KVA + 50% REMAINDER NEC 220.44	111.4 KVA	100.7KVA
Α	26.4 KVA	24%	HVAC	63.7 KVA	51.0 KVA	LOAD X 80% (USED MCA IN CALCULATION)	309.2A	278.6A
8	59.0 KVA	53%	MISC	34.0 KVA	34.6 KVA	LOAD X 100% NEC 210.19 NON-CONT.	FILEN	AME
С	26.0 KVA	23%	NP	0.0 KVA	0.0 KVA	6 NONCOINCIDENTAL LOADS NEC 220.66	DG Spring Hill	(Pine Forest)

- NOTES:

 A. AIC RATING: SERIES RATED AT 200,000 AMPS WITH BUSSMANN JJN FUSES.

 B. BREAKERS FOR HYAC UNITS SHALL BE SIZED PER MANUFACTURER REQUIREMENTS.

 C. BREAKER LOCK.

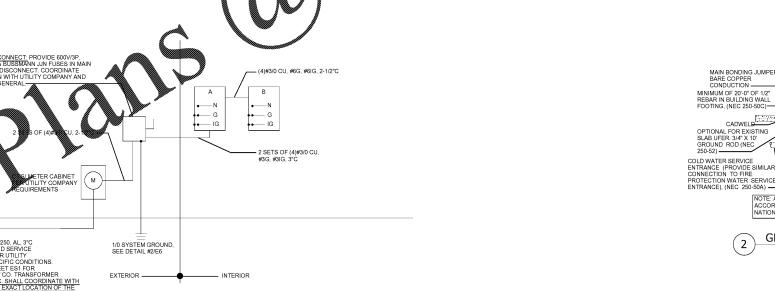
83	M	QUNT:	SURF	ACE	120	208	3-PHASE, 4W	P	ANEL	4	1	3	CAPACITY:	200A		INT	CAP:	200KA	į.	83
50	LOCA	TION:	RECE	VING	AREA			L	JGS:	-	MC	8	DEMAND LOAD:	94A		AV. F	AULT:	22KA		NOTES
2	CKT	LTG	REC	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	40	AMP	POLE	DESCRIPTION	LTG	REC	HVAC	MISC	NP.	CKT	Z
B,C	1	0.3					MIGHT LTS	20	1	A	26	1	PWR TERM BROWN				1.2		2	C
B,C	3	0.2					RECEIVING LTS	20	- 3	В	20	1	PWR TERM BROWN				1.2		4	C
В	5	0.4					70% SALES LTS	20	3	C	20	1	PWR TERM GREEN		1		1.6	*********	6	C
B	7	0.4					70% SALES LTS	20	3	A	20	1	PWR TERM GREEN				1.6		8	C
8	9	0.5		1			70% SALES LTS	20	3	8	20	1	PWR TERM GREEN	1			1,6		10	C
B	11	0.4	·		1		70% SALES LTS	20	3	C	20	1	PWR TERM GREEN	1			1.6		12	C
В	13	0.6			T		30% SALES LTS	20	3	A	20	1	SPARE						14	
В	15	0,7	·		1		30% SALES LTS	26	1	8	20	1	SPARE						16	
	17						SPARE	20	*	C	20	- 1	SITE LIGHTING				0.9		18	8
C	13	0.1					EMERGENCY/EXIT LTS	26	1	A	20	1	SITE LIGHTING				6.9		20	В
C	21	0.2		0.1			BREAK/OFFICE LTS/EF'S	20	1	В	20	2	FREEZER#1				1.6		22	C
8	23	12					BUILDING SIGN	20	1	C	20	2					1.6		24	1
B	25	0.9					PYLON SIGN	20	1	A	20	2	FREEZER #2				1.6		26	c
	27						SPARE	20	1	В	20	2					1.6		28	1
	29						SPARE	20	1	C	20	2	FREEZER #3				1.6		30	С
	31						SPARE	20	1	A	20	-					1.6		32	~
В	33	0.1					EXTERIOR LTS	20	- 1	В	20	1	SODA COOLERS	1			1,6		34	С
8	35	0.7			T		CANPY LIGHTING	20	1	C	26	1	DRINK COOLERS				1.6			C
В	37	0.7		1			EXTERIOR LTS	20	- 3	A			SPACE	1					380	
·	39						SPACE	1		8		1	SPACE						40	_
	41	0.9			T		SPACE			C		1	SPACE		1				42	
	n,	ASE E	261 634	ce.	LOAD	TYPE	CONNECTED	1	DEM,	ANE	>	DEM	AND FORMULA				OTAL	LOAD	,	
	F 1	THOSE S	PHLAN	VE.	LIGH	TRNG	8.3 KVA		10.4	KVA		LOAL	X 125% NEC 210.19 CON	TINUOU	s	A COMMITTEE OF THE PARTY OF THE	ECTED	DEM	ANO	1 8
	0	LC	AD	%	RECEP	TACLE	0.0 KVA	1	0.0 1	ΝÃ		1080	A + 50% REMAINDER NEC	220.44	1	3 🔻	XΑ	33.9	KVA	1
	А	9.9	KVA	31%	HV	AC	0.1 KVA		0.1 8	CVA		LOAD	X 80% (USED MCA IN CA	LCW/	(M	88		94	.0A	1
	В	9.4	KVA	30%	181	SC	23.4 KVA	1	23,4	KVA		LOAD	X 100% NEC 210.19 NON	CONT	Mh.			AME:		
	C	12.5	KVA	39%	8	IP	0.0 KVA	T	0.0	CVA		e No	NCOINCIDENTAL LOADS N	EC 220.	30//	DG Spr	ing w	gine F	arest)	M
	NOTE A. Ai-		NG: S	ERIES	RATED	AT 20	0,000 AMPS WITH BUS	SMAN	in jj	NF	USES	 i,		<u> </u>			W			

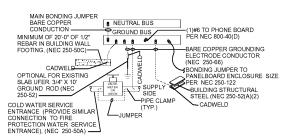
B. ROUTING TO THE EMS PANEL.
C. BREAKER LOCK.
D. ISOLATED GROUND BUS.

			EQU	IPM	ENT	SC	HEDUL	E	
PLAN MARK	EQUIPMENT SERVED	LOAD	VOLT/ PHASE		DISC BY	MCA	мосро	FEEDER	REMARKS
RTU 1	ROOF TOP UNIT	31.68KVA	208/3	A	EC	88.0A	90A	#N/A	PROVIDE 100A/3P NF DISCONNECT
RTU 2	ROOF TOP UNIT	31.68KVA	208/3	A	EC	88.0A	96A	#N/A	PROVIDE 100A/3P NF DISCONNECT
	THE PRIABET	DG Spring	TVIII (Prince)		-4 F1	D	5.6.6		

ELECTRICAL PANEL SCHEMATIC

120/208	3-PHASE, 4V	PANEL LO	OAD AGITY: 480A	
LOAD TYPE	CONNECTED	DEMAND	DEMAND FORMULA	TOTAL LOAD
LIGHTING	AMA 3 KVA	10.4%VA	LOAD 25% NEC 219.19 CONTINUOUS	CONNECTED DEMAND
RECEPTACE	AKKKA	A STATE OF THE STA	10KVA + 50% REMAINDER NEC 220.44	111.4 KVA 100.7KVA
HVACO	63.96	34266A	LOAD X 80% (USED MCA IN CALCULATION)	309.2A 279.6A
MISC	34.0 KV	34.0 100	LOAD X 100% NEC 210.19 NON-CONT.	FILENAME.
NP	0.0 KVA	0.0 KVA	0 NONCOINCIDENTAL LOADS NEC 220.60	DG Spring Hill (Pine Forest)
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NOTE: ALL GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 250-50 OF THE NATIONAL ELECTRICAL CODE.

GROUNDING DETAIL

Florida Business License: AA26001620

SEAL: HENRY D MONTAGUE, PE 78172

THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL THE SEAA AND SIGNATURE OF THE RESPONSIBLE REGISTRANT AFRACE ON THE CRAINER, AND PROFESS FROM THE TOWNER, AND PROFESS THE THE OWNER, OWNERS AGENT OR CONTRACTOR TO THE AUTHORITY HAVING JURISDICTION.

DATE	ISSUED FOR	REV
01/17/2018	PEMB COORDINATION	
01/17/2018	PERMIT SUBMITTAL	
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		-
		-

Project Manager	Drawn
B.COLBURN	G. COLLINS
Project Leader	Checked
B.COLBURN	M. GOOD
Date	Dept Mgr Approval
11/20/2017	M. GOOD

Palmetto - Spring Hill Forest Rd., LLC.

P.O. BOX 1615 THOMASVILLE, GA 31792 Office: (229) 226-1177

DOLLAR GENERAL

US 19 & Pine Forest Dr. Spring Hill (Hernando County), FL

Drawing Title

THREE PHASE ELECTRICAL PANELS

DO NOT SCALE DRAWING Project No. Drawing No.

JCDT17.0325.00