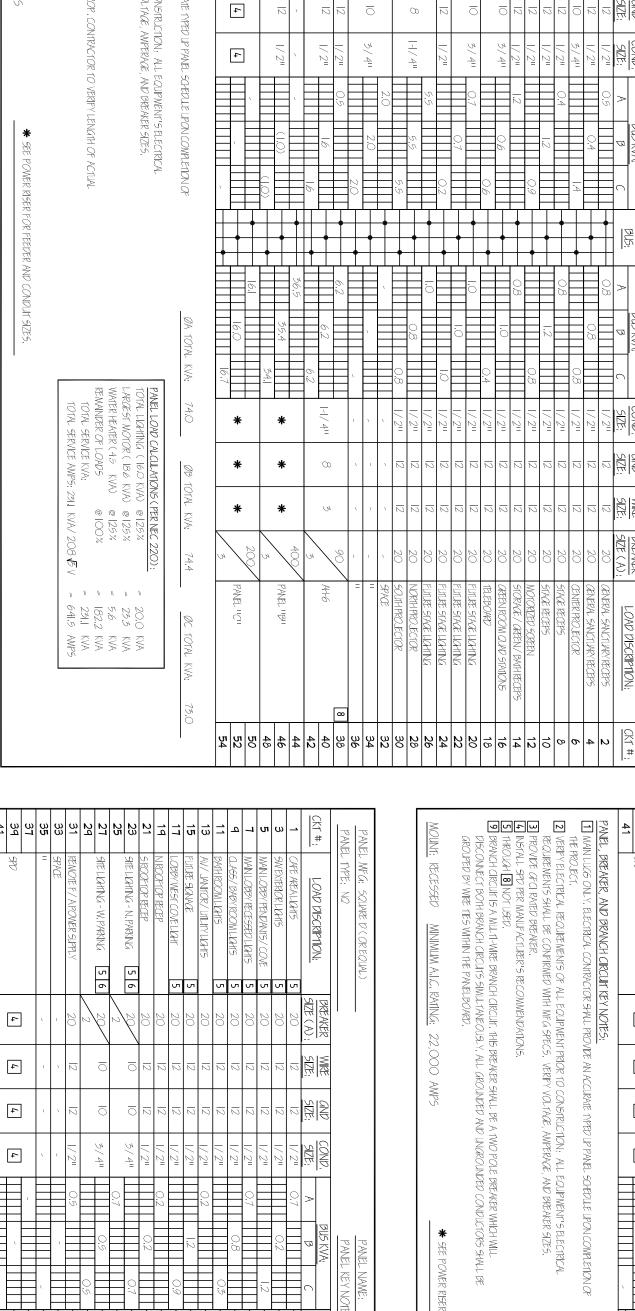
PRIOR TO SUBMITTING THE BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. PROGRESS OR CHECK SETS, BY THEIR NATURE, MAY BE INCOMPLETE AND ARE NOT TO BE USED FOR BIDDING OR CONSTRUCTION. CONTRACTOR RECOGNIZES HIS SOLE RESPONSIBILITY TO INCLUDE ALL CONTINGENCIES FOR DESIGN AND INSTALLATION TO MEET THE PROJECT REQUIREMENTS IN ANY PRICING EXERCISE. THE DESIGN OF THESE PLANS ARE NOT FINAL UNTIL PERMIT SETS ARE ISSUED.

No. 31328

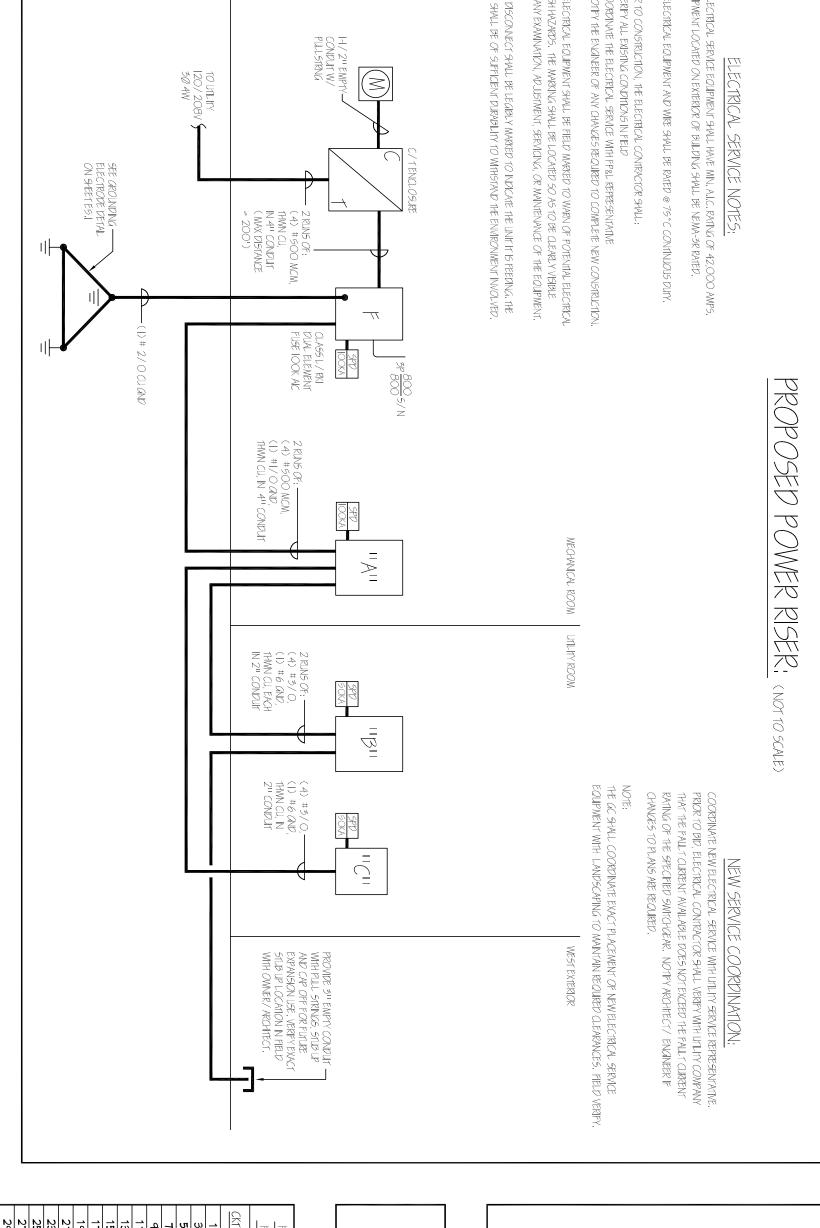




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THE ELECTRICAL CONTRACTOR SHALL VERIFY THE LENGTH OF ALL MAINTAIN LESS THAN 3% VOLTAGE DROP, INCREASE FEEDER SIZE ON THIS PAGE FOR ADDITIONAL INFORMATION.

98ANCH CIRCUITS IN FIELD AND SHALL 5 AS REQUIRED, SEE VD CALCULATIONS

DRAWISHER   9 20   12   1/2"   4.5   1.2	n w -	A: SQUARE D ( OR EQUAL)  S: NO  OAD DISCRIPTION:  N/ SAELS COLNIER RECEPS	BREAKER SIZE ( A):	8	12 ZZ ZZ	COND. SIZE:		PANEL KEY NO.	PANEL KEY NOTES:		<del>                                      </del>		[5] [5] [7] [7] [7] [7] [7] [7] [7] [7] [7] [7		1 2 BUS KVA: 0.8 0.8 0.8	12 8: 8 8 6 0.8 0.8	1 2	12    SI	1   2   3   3   4   4   4   4   4   4   4   4	1   2
12   12   1/2"		OMN OMEN	2/2/2	00 1	<u></u>	3/4	4 7		4.		<del>                                      </del>	0,8			1/2"	2		12 12		20
12   12   1/2"   0.8   0.8   1.9   1.5			2/2	12	12	1/2"		1.2	0000		<u>† † † † † † † † † † † † † † † † † † † </u>				1/2"	2	-	12		20
12   12   1/2"			20	12	12	1/2"	0,8			+	<del> </del>	0.8			1/2"	12		12		20
12   12   1/2"   0.2		ATOR	20	12	12	1/2"		0,8		<u> </u>			2.3		3/411		Ō	0	ō	0
12   12   1/2"   0.8   1   1.5   1   1   1.5   1   1   1   1   1   1   1   1   1	17		20	12	12	1/2"			I.O	Ŧ	† 			23		1			2	2
12   12   1/2"		XIEROR ECOP	20	12	12	1/2"	0.2			<b>T</b>		7			1/2"	1 I	12	12 12		12
12   12   1/2"   1/2   1/3		°05.FCP	20	12	12	1/2"		0.8			<u> </u>		1.5		1/2"		12	12 12		12
12   12   1/2     1,2   1,4   1,5   1,6		4SWIEGP	20	12	12	1/2"			1.2	 	† 			1.5	1/2"		12	12 12	12	12 20
12   12   17 2"	25	4SWIECEP	20	12	12	1/2"	1.2					4.5			5/411		01	8 01		8 50
12   12   1/2"   0.5   11   10   0.1   10   0.1   10   10	27	CAFE GENERAL RECEPS	20	12	12	1/2"		0.6			H		4.5			-			2	2
12   12   1/2"   0.5   1111   0.4   111   0.1   111	<u> </u>	_OBBY/EECEPTION/BATHEECEPS	20	12	12	1/2"			I.O	Ŧ	† 			I.O	1/2"		12	12 12		12
12   12   17 2"   10 4   11   1   1   1   1   1   1   1   1			20	12	12	1/2"	0.5			+		0.1			/ 2		12	12 12	12	12 20
TOTAL KVA:  WEREN ACCURATE UPPEN UP PANEL SCHEDLE UPON COMPLETION OF  WEREN'S CONSTRUCTION; ALL EQUIPMENT'S ELECTRICAL  S.C.S. VERRY VOLTACE, AMPERACE, AND BREAKER SIZES.  N.S.  IS BREAKER SHALL BE A TWO POLE BREAKER WHICH WILL  LY, ALL GROUNDED AND UNGROUNDED CONDUCTORS SHALL BE	<u> </u>	OBBY FLOOR PECEPS	20	12	12	1/2"		0.4			† H		\ .		V		١.	1	1	
TOTAL KVA:  WERE AN ACCURATE TAPED UP PANEL SCHEDLE UPON COMPLETION OF  WEREN'S CONSTRUCTION; ALL EQUIPMENT'S ELECTRICAL  S.C.S., VERRY VOLTACE, AMPERACE, AND BREWER SIZES.  N.S.  SEREMER SHALL BE A TWO POLE BREWER WHICH WILL  LY, ALL GROUNDED AND UNGROUNDED CONDUCTORS SHALL BE		SPACE	V	١	٨	١			١,		†  -			X.	٨		V	1		
WITE AN ACCURATE TYPED UP PANEL SCHEDLE IPON COMPLETION OF  OR TOTAL KVA:  PANE SCS. VERPY VOLTAGE, AND BREAKER SIZES.  N.S.  15 BREAKER SHALL BE A TWO POLE BREAKER WHICH WILL  LY, ALL GROUNDED AND UNGROUNDED CONDUCTORS SHALL BE			]		,	]	,				<u> </u>	0.0			÷		<del>!</del>	÷		<del>!</del>
ANDE AN ACCURATE TYPED UP PANEL SCHEDLE UPON COMPLETION OF  IT PRIOR TO CONSTRUCTION; ALL EQUIPMENT'S ELECTRICAL  2CS. VERPY VOLTACE, AMPERACE, AND BREAKER SIZES.  ANS.  IS BREAKER SHALL BE A TWO POLE BREAKER WHICH WILL  LY, ALL GROUNDED AND UNGROUNDED CONDUCTORS SHALL BE									,		<u>†</u>			20.0						on .
MAIN LUGS ONLY, ELECTRICAL CONTRACTOR SHALL PROVIDE AN ACCURATE TYPED UP PANEL SCHEDILE UPON COMPLETION OF THE PROJECT.  VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PRIOR TO CONSTRUCTION; ALL EQUIPMENT'S ELECTRICAL REQUIREMENTS SHALL BE CONFIRMED WITH MFG SPECS, VERIFY VOLTAGE, AMPERAGE, AND BREAKER SIZES.  PROVIDE GPCI RATED BREAKER.  INSTALL SPD PER MANUFACTURER'S RECOMMENDATIONS.  PRANCH CIRCUIT SA MILLTI-WIRE BRANCH CIRCUIT. THIS BREAKER SHALL BE A TWO POLE BREAKER WHICH WILL  BISCONNECT BOTH BRANCH CIRCUITS SIMULTANEOUSLY, ALL GROUNDED AND UNGROUNDED CONDUCTORS SHALL BE  REAR AROUPED BY WIRE TES WITHIN THE PANELBOARD.	MEL,	BREAKER, AND BRANCH CIRCUIT K	SALON K																	
REQUIREMENTS SHALL BE CONFIRMED WITH MFG SPECS. VERFY VOLTAGE, AMPERAGE, AND BREAKER SIZES.  PROVIDE AFCI BATED BREAKER.  INSTALL SPD PER MANUFACTURER'S RECOMMENDATIONS.  INSTALL SPD PER MANUFACTURER'S RECOMMENDATIONS.  WAS BRANCH CIRCUIT SET.  BROWNER BROWNER SPANCH CIRCUIT. THIS BREAKER SHALL BE A TWO POLE BREAKER WHICH WILL BE A TWO POLE BREAKER WHICH WILL BROWNER SHALL AROUNDED AND UNDROUNDED CONDUCTORS SHALL BE  BROWNER TES WITHIN THE PANELBOARD.		NELECABICAL CONTRACTO BOLECT. BOLECT.	LANAWAII 104 INOAU TIMESA	A AN ACCIT	ON ICHIBILITI	JP PANEL SC	DAN BINGAN	N COMPLE				اء	BA TOTAL	1 1	36.5	:  '	0B 10	ØB TOTAL KVA:	OB TOTAL KVA. 35.4	0B TOTAL KVA: 35.4 OC TOTAL KVA: 34.1
INSTALL SPD PER MANUFACTUKER'S RECOMMENDATIONS.  THROUGH 10 NOT USED.  BRANCH CIRCUIT IS A MILLIT-WIRE BRANCH CIRCUIT. THIS BREAKER SHALL BE A TWO POLE BREAKER WHICH WILL  DISCONNECT BOTH BRANCH CIRCUITS SIMULTANEOUSLY. ALL GROUNDED AND UNDROUNDED CONDUCTORS SHALL BE GROUPED BY WIRE TES WITHIN THE PANELBOARD.		REMENTS SHALL BE CONFIRMED WIDE GFCI RATED BREAKER.	TH MFG SPEC:	<u>,</u> /ERFY /	OLTAGE, AV	MPERACE, AI	UD BREAKE	2 SIZES.						 	MAL L		MOTOR ( N/A K)	TOTAL LIGHTING ( N/A KVA) @ 125 LARGEST MOTOR ( N/A KVA) @ 125	IGHTING (N/AKVA) @125%	IDAMING (NYAKVA) @ 125% = NYAKVA
BRANCH CIRCUIT 5 A MILTI-MIKE DRANCH CIRCUIT. THIS DREAKER SHALL BE A TWO POLE BREAKER WHICH WILL BISCONNECT BOTH BRANCH CIRCUITS SIMULTANEOUSLY, ALL AROUNDED AND UNDROUNDED CONDUCTORS SHALL BE AROUPED BY WIRE TES WITHIN THE PANELBOARD.		CT SPD FEK MANDFACIDREK V RECO JOH 18 NOT USED CT CTG TIPLE ( ) VIII A TIPLE ( ) VIII A	WWENDAILON			7 7	, ,							<u>~</u>	豪臺	N AN	WATER HEATER ( 4.5 KVA REMAINDER OF LOADS	8	8	(VA) @  25% = 5.6 @  00% = 10 .4
		OF ORCHIT IS A MULTIPAIRE PRANCE INNECT BOTH BRANCH CIRCUITS SIM PED BY WIRE TIES WITHIN THE PANEL	OKCUIT INDI	ALL GROU	NDED AND I	INGROUNDE	STANOS A:	10RS SHAL	77						2 2	**************************************	TOTAL SERVICE KVA: TOTAL SERVICE AMPS:	AL SERVICE KVA: AL SERVICE AMPS; 107.0KVA;	101A SERVICE KVA: 101A SERVICE AMPS; 107.0KVA/208 & V	" "

F= 1.75 X 200 X 40,000 = 1.246  M	2 RUNS OF:  4 #500 MCM CU   MAIN 1 OF 1	200 FT:————————————————————————————————————	F.P.L. TRANS.	SHORT CIRCUIT CALCULATION:
	TOTAL SERVICE AMP	TOTAL SERVICE LOA	FUTURE PHASE III LOX	PHASSE I LOAD:

	NEW JENVICE IN		
PHASSE I LOAD:	ØA TOTAL KVA. 54.0	ØB TOTAL KVA: 54.4	ØC TOTAL KVA: 53.0
FUTURE PHASE II LOAD:	ØA TOTAL KVA: 20.0	ØB 101AL KVA: 20.0	ØC TOTAL KVA: 20.0
TOTAL SERVICE LOAD:	ØA 10TAL KVA: 74.0	ØB TOTAL KVA. 74.4	ØC TOTAL KVA: 75.0
TOTAL SERVICE AMPS:	ØA TOTAL AMPS: 616.7	ØB 101AL AMPS: 620.0	OC 101AL AMPS: 608.3

PROJECT DATE SHEET #	
$ \underset{\tiny{0.5-20-16}}{\text{RWB}} $	1600 SOUTH DIXIE HWY., SUITE 400 BOCA RATON, FLORIDA 33432 PHONE 561-391-0081 FAX 561-391-0085 EMAIL mail@rwb-arch.com
G   B ARCHITECTURE	

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110N; ALL EQUIPMENT'S ELECTRICAL AMPERAGE, AND BREAKER SIZES.

PANEL LOAD CALCULATIONS ( PER NEC 220 TOTAL LIGHTING ( 7.4 KVA) @ 125% LARGEST MOTOR ( 16.5 KVA) @ 125% WATER HEATER ( N/ A KVA) @ 125% REMAINDER OF LOADS @ 100% TOTAL SERVICE KVA.

TOTAL SERVICE AMPS, 54.8 KVA/ 208.

9.5 KVA 20.6 KVA N.7 KVA 24.9 KVA 54.8 KVA 152.1 AMPS