GENERAL NOTES ELECTRICAL

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES.
2. COORDINATE ELECTRICAL SERVICE W/ LOCAL POWER COMPANY.
3. ALL TELEPHONE RELATED EQUIPMENT PER TELEPHONE COMPANY SPECIFICATIONS.
4. ELECTRICAL INSTALLATION DESIGN OF THIS PLAN IS IN COMPLIANCE AS SET FORTH BY GOVERNING ENERGY EFFICIENCY CODES.
5. THE CONTRACTOR WILL EXAMINE THE JOB SITE AND DETERMINE FOR HIMSELF PRIOR TO SUBMISSION OF BID, EXISTING CONDITIONS.
6. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR. IT WILL BE HIS RESPONSIBILITY TO SECURE AND PAY FOR ANY PERMITS, CERTIFICATES OF INSPECTION, ETC.
7. SUBSTITUTE MATERIALS, EQUIPMENT OR METHODS SHALL NOT BE MADE WITHOUT APPROVAL OF THE ENGINEER. IF THE USE OF A SUBSTITUTE REQUIRES ANY CHANGE IN WORK, THE NECESSITY FOR SUCH CHANGE WILL BE BROUGHT TO THE ATTENTION OF THE ENGINEER, AND IF APPROVED, SHALL BE MADE AT NO COST TO THE OWNER.
8. CLEAN UP SUCH TRASH AND DEBRIS GENERATED BY THE WORK AND LEAVE COMPLETED WORK IN A CLEAN, UNDAMAGED, AND FINISHED CONDITION READY TO RECEIVE WITHOUT FURTHER PREPARATION, UNLESS SO SPECIFIED IN OTHER SECTIONS, ANY ADJACENT OR ABUTTING WORK TO BE PERFORMED BY OTHERS.
9. MATERIALS, APPLIANCES DEVICES AND EQUIPMENTS SHALL MEET WITH THE REQUIREMENTS OF UNDERWRITERS LABORATORIES AND SHALL BE NEW AND LATEST STANDARD PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF THE ITEM, UNLESS OTHERWISE INDICATED, LIKE ITEMS SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER.
10. ALL CONDUCTORS SHALL BE COPPER AND RUN IN CONDUIT. WIRE SIZE SHALL BE THW UNLESS OTHERWISE NOTED ON PLANS. PROVIDE GROUND CONDUCTOR PER NEC 250-95.
11. LOCATION OF OUTLETS IN ELECTRICAL DRAWINGS IS DIAGRAMMATIC: CHECK MANUFACTURER'S DRAWINGS FOR EXACT LOCATION OF OUTLETS. VERIFY ALL OUTLET LOCATIONS PRIOR TO ROUGH-IN.
12. PROVIDE TYPEWRITTEN SCHEDULES FOR ALL PANELBOARDS. PROVIDE NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT.
13. A/C EQUIPMENT WIRING, BREAKERS AND FUSE SIZES ARE BASED ON A/C EQUIPMENT SPECIFIED ON ORIGINAL CONTRACT DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL WIRING, BREAKER AND FUSES SIZES IN ACCORDANCE WITH A/C EQUIPMENT NAMEPLATE REQUIREMENTS IF DIFFERENT FROM THAT SPECIFIED ON DRAWINGS, AS WELL AS ANY FEEDER CHANGES BEING AFFECTED BY THIS CHANGE. CONTRACTORS SHALL MAKE ABOVE MENTIONED CHANGES AT NO EXTRA COST.
14. ALL LIGHTING FIXTURES AND MECHANICAL EQUIPMENT SHALL BE COMPLETELY CONNECTED BY ELECTRICAL CONTRACTOR (BOTH POWER AND CONTROL WIRING)
15. WHEN H.V.A.C. UNIT IS OVER 2000 CFM, PROVIDE SMOKE DUCT DETECTOR IN SUPPLY DUCT. SYSTEM SHALL SHUT DOWN UNIT UPON ACTIVATION OF SMOKE DETECTOR AND SOUND ALARM BELL. ALARM BELL SHALL BE SIMPLEX # 2901-9960. CONNECT TO NEAREST 120 VOLT CIRCUIT.

PANEL "A" SCHEDULE

PROPOSED STARBUCKS

SERVICE: 120/208V 3PH,4W

SIZE: 400A

LOAD DESCRIPTION	LOAD VOLT-AMP	WIRE	CB/P	A B C		CB/P	WIRE	LOAD VOLT-AMP	LOAD DESCRIPTION
SITE DIRECTIONAL SIGN LIGHTING	1500	#12-1/2"C	1P-40	1	2	1P-20	#12-1/2"C	1000	EXHAUST FAN
ROOF WD/GFI REC	720	#12-1/2"C	1P-20	3	4	1P-20	#12-1/2"C	1000	SIGN TIMER
RECEPTACLES	360	#12-1/2"C	1P-20	5	6	1P-20	#12-1/2"C	1000	INTERIOR LIGHTS
SUB PANEL 'A1'	–	–	3P-200	7	8	1P-20	#12-1"C	500	PATIO OUTLET
	–			9	10	1P-20	#12-1"C	500	PATIO OUTLET
	–			11	12				PATIO OUTLET
RTU A1 (10 KW)	3,335	3#6-1"C	3P-60	13	14				
	3,335			15	16				
	3,335			17	18				
RTU A2 (15 KW)	5000	3#6-1"C	3P-70	19	20				
	5,000			21	22				
	5,000			23	24				
SPACE				25	26				
				27	28				
				29	30				
				31	32				
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				
TOTAL:	27585			TOTAL= 31,585(87A)				4000	

PANEL "A-1" SCHEDULE

PROPOSED STARBUCKS

SERVICE: 120/208V 3PH,4W

SIZE: 200A MLO

LOAD DESCRIPTION	LOAD VOLT-AMP	WIRE	CB/P	A B C		CB/P	WIRE	LOAD VOLT-AMP	LOAD DESCRIPTION
SPACE	–	–	–	1	2	–	–	–	SPACE
				3	4				
				5	6				
				7	8				
				9	10				
				11	12				
				13	14				
				15	16				
				17	18				
				19	20				
				21	22				
				23	24				
				25	26				
				27	28				
				29	30				
				31	32				
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				
TOTAL:									

PANEL "B" SCHEDULE

TENANT B

SERVICE: 120/208V 3PH,4W

SIZE: 200A

LOAD DESCRIPTION	LOAD VOLT-AMP	WIRE	CB/P	A B C		CB/P	WIRE	LOAD VOLT-AMP	LOAD DESCRIPTION
INTERIOR LIGHTS	800	#12-1/2"C	1P-20	1	2	1P-20			SPARE
SIGN TIMER	1500	#12-1/2"C	1P-20	3	4				
ROOF RECEPT.	600	#12-1/2"C	1P-20	5	6				
RTU #B1 (10 KW) (FUTURE USE)	–	–	3P-60	7	8				
	–			9	10				
	–			11	12				
RECEPTACLES	800	#12-1/2"C	1P-20	13	14				
SPACE				15	16				
				17	18				
				19	20				
				21	22				
				23	24				
				25	26				
				27	28				
				29	30				
				31	32				
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				
TOTAL:	37,000			TOTAL= [illegible],000(11A)				–	

PANEL "C" SCHEDULE

TENANT C

SERVICE: 120/208V 3PH,4W

SIZE: 200A

LOAD DESCRIPTION	LOAD VOLT-AMP	WIRE	CB/P	A B C		CB/P	WIRE	LOAD VOLT-AMP	LOAD DESCRIPTION
INTERIOR LIGHTS	800	#12-1/2"C	1P-20	1	2	1P-20			SPARE
SIGN TIMER	1500	#12-1/2"C	1P-20	3	4				
ROOF RECEPT.	600	#12-1/2"C	1P-20	5	6				
RTU #C1 (10 KW) (FUTURE USE)	–	–	3P-60	7	8				
	–			9	10				
	–			11	12				
RECEPTACLES	800	#12-1/2"C	1P-20	13	14				
SPACE				15	16				
				17	18				
				19	20				
				21	22				
				23	24				
				25	26				
				27	28				
				29	30				
				31	32				
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				
TOTAL:	37,000			TOTAL= 37,000(11A)				–	

PANEL "D" SCHEDULE

(WATER PROOF)

FUTURE ATM

SERVICE: 120/208V 3PH,4W

SIZE: 100A

LOAD DESCRIPTION	LOAD VOLT-AMP	WIRE	CB/P	A B C		CB/P	WIRE	LOAD VOLT-AMP	LOAD DESCRIPTION
ATM	2000	#10-1/2"C	1P-30	1	2				SPARE
LIGHT POLE	500	#12-1/2"C	1P-20	3	4				
CANOPY BRANDING	500	#12-1/2"C	1P-20	5	6				
SECURITY CIRCUIT	1000	#12-1/2"C	1P-20	7	8				
				9	10				
TOTAL:	4000			TOTAL= 4,000 (13A)					

PANEL "H" SCHEDULE

(WATER PROOF)

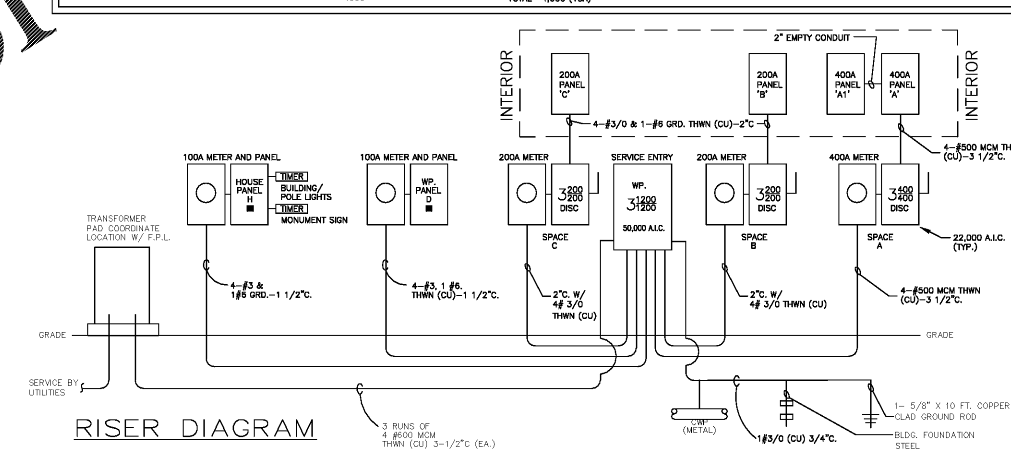
HOUSE PANEL

SERVICE: 120/208V 3PH,4W

SIZE: 100A

LOAD DESCRIPTION	LOAD VOLT-AMP	WIRE	CB/P	A B C		CB/P	WIRE	LOAD VOLT-AMP	LOAD DESCRIPTION
BUILDING LIGHTS TIMER	1000	#12-1/2"C	1P-20	1	2	2P-30	#10-3/4"C	2000	SITE LIGHTING
BUILDING LIGHTS TIMER	1000	#12-1/2"C	1P-20	3	4			2000	
SPARE			1P-20	5	6	1P-30	#10-1/2"C	2000	MONUMENT SIGN
				7	8	2P-40	#6-1"C	4800	CAR CHARGER
				9	10			4800	
				11	12	2P-40	#6-1"C	4800	CAR CHARGER
				13	14			4800	
				15	16				SPACE
				17	18				
				19	20				
				21	22				
				23	24				
				25	26				
				27	28				
				29	30				
TOTAL:	2000			TOTAL= 27,200 (76A)				25200	

NOTE: MONUMENT SIGN:
ELECTRICAL TO RUN CONDUIT & WIRE TO FREE STANDING MONUMENT SIGNS.
VERIFY REQUIREMENT W/ SIGN COMPANY/ OWNER.
*(a) –TIMER TO FEED MULTIPOLE RELAY TO CONTROL TENANT'S SIGNS.
*(b) –COORDINATE LOCATION OF CONDUITS W/ SIGN COMPANY AND OWNER.



RISER DIAGRAM

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DATE	8-14-20	DRAWN BY:	SCALE
NO.	DATE	REVISION	

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STATE OF FLORIDA
REGISTERED ARCHITECT
0010943

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2890-2894 WEST BROWARD BLVD
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SHEET TITLE
ELECTRICAL PANELS AND RISERS

SHEET NO.
E-2

JOB NO.
2020-002

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