



LANDLORD NOTES:

PRIOR TO BID THIS TENANT MUST MEET WITH MALL OPERATIONS TO VERIFY AND COORDINATE LOCATIONS AND ALL REQUIRED ELECTRICAL EQUIPMENT INCLUDING:

- 1.) APPROVED CONNECTION POINT IN THE LANDLORDS BUS DUCT.
- 2.) THIS TENANT SHALL PROVIDE AND INSTALL LANDLORD SPECIFIED BREAKER AND ELECTRIC METER AT TENANTS EXPENSE.
- 3.) THIS TENANT TO MAKE ALL TIE IN CONNECTIONS TO THE LANDLORD BUS DUCT.
- 4.) VERIFY CONDUIT TO TENANT SPACE IS SIZED TO CARRY THIS TENANTS FEEDERS.

5.) COMPLIANCE WITH ALL LOCAL UTILITY CO AND LOCAL AUTHORITIES REQUIREMENTS FOR DISCONNECTION SWITCHES BEFORE AND AFTER THE METER.

PRIOR TO BID TENANT IS REQUIRED TO VERIFY THAT THE LANDLORDS EXISTING AVAILABLE ELECTRICAL SERVICE MEETS THE TENANTS TOTAL CONNECTED LOAD.

TGC TO SURVEY ALL EXISTING ELECTRICAL EQUIPMENT AND VERIFY ANY ADDITIONAL WORK TO BE COMPLETED.

VERIFY WITH MALL OPERATIONS, COORDINATE ALL NEW ROUTING OF CONDUIT, FEEDER CABLES AND CONNECTIONS TO LANDLORDS MAIN ELECTRICAL GEAR WITH MALL OPERATIONS.

ANY AND ALL UPGRADES TO EXISTING EQUIPMENT SHALL BE BY TGC AT TENANTS EXPENSE.

MAXIMUM SIZE OF TRANSFORMER SUSPENDED FROM STRUCTURE SHALL BE 30KVA. TRANSFORMER TO BE: 1.) FLOOR SUPPORTED. 2.) BUILT UP ON A PLATFORM SUPPORTED BY TENANT INTERIOR WALLS, NOT ATTACHED TO THE LANDLORDS DEMISING WALL, OR 3.) PROVIDE STRUCTURAL DRAWINGS APPROVED BY A STRUCTURAL ENGINEER TO SUPPORT FROM CEILING.

**ELECTRICAL SERVICE NOTE:**

THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LANDLORD REGARDING NEW ELECTRICAL SERVICE REQUIRED. PLEASE COORDINATE WORK BEFORE ORDERING EQUIPMENT. MINIMUM 10,000 AIC

VOLTAGE DROP CHART PER N.E.C. 250		
LENGTH	14A @ 277V	14A @ 120V
0-100	#12	#12
100-200	#10	#10
200-300	#8	#8
300-400	#8	#6

GROUND ELECTRODE CONDUCTOR FOR AC SYSTEMS		CONDUIT WIRE SIZE SCHEDULE (UNLESS OTHERWISE SHOWN)	
SIZE OF SERVICE ENTRANCE	SIZE OF GROUNDING ELECTRODE CONDUCTOR	TRIP SIZE	CONDUIT WIRE SIZE
100A OR SMALLER	#8	1 #12	3/4" #12
150A	#6	1 #10	3/4" #10
200A	#4	1 #8	3/4" #8
300A	#2	1 #6	3/4" #6
400A	#1	1 #4	3/4" #4
OVER 400A	#3/0	1 #2	3/4" #2

**AIC CALCULATION**

FIELD VERIFY AVAILABLE FAULT CURRENT FROM UTILITY COMPANY, PROVIDE PERMANENT LABEL INDICATING AIC RATING ON ALL GEAR PER NEC 110.4

EXISTING FAULT CURRENT IS PER EXISTING PLANS CONTRACTOR TO VERIFY AND COORDINATE IN FIELD. CONTRACTOR TO ADJUST AIC CALCULATION FOR ACTUAL FIELD MEASURED RUNS OF CABLE.

EXISTING AIC IS:

AS PER EXISTING PLANS DATED 5/15/15: AIC AT TROUGH IS 50,470 AMPS,

POINT 'A': PANEL 'MDP' 75' RUN, 3 SETS 600MCM CONDUCTORS 42,117 AMPS

POINT 'B': PANEL 'MH' 5' RUN, #4/0 CONDUCTORS 40,095 AMPS

POINT 'C': TRANSFORMER INPUT 30' RUN, 350MCM CONDUCTORS: 34,203 AMPS

POINT 'D': TRANSFORMER OUTPUT 225KVA TRANSFORMER, 208V, OUTPUT, 1.2KZ 34,203 AMPS

POINT 'E': PANEL 'Z1' 25' RUN, 2 SETS 350MCM CONDUCTORS 28,970 AMPS

POINT 'F': PANEL 'Z2' 5' RUN, #1 CONDUCTORS 24,859 AMPS

POINT 'G': PANEL 'L2' 25' RUN, #1 CONDUCTORS 15,858 AMPS

POINT 'H': PANEL 'LB' 28' RUN, #1 CONDUCTORS 15,041 AMPS

POINT 'J': PANEL 'ML' 25' RUN, #1/0 CONDUCTORS 17,289 AMPS

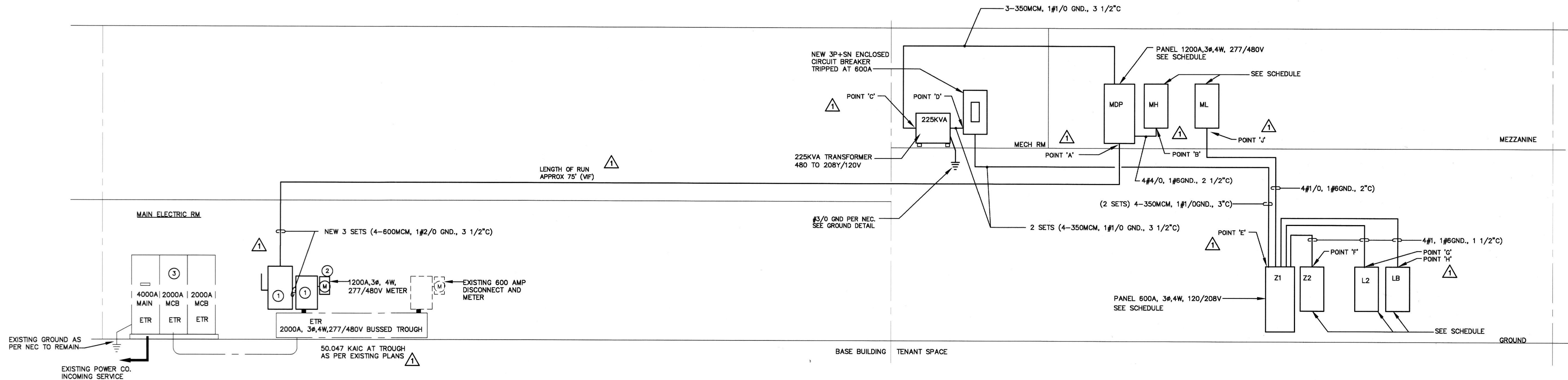
CALCULATED AIC FROM: "EATON BUSSMAN FC2 CALCULATOR" CALCULATION DONE: 8/24/18

CITY OF HOUSTON ELECTRICAL CODE SECTION 504.1.1 AVAILABLE FAULT CURRENT LABELING. IN LIEU OF THE MAXIMUM AVAILABLE FAULT CURRENT MARKING AS REQUIRED BY 110.24, A PERMANENTLY AFFIXED LABEL SHALL BE APPLIED WITH THE AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2" X 3" IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. THIS LABEL SHALL ALSO INCLUDE THE DATE OF THE CALCULATION.

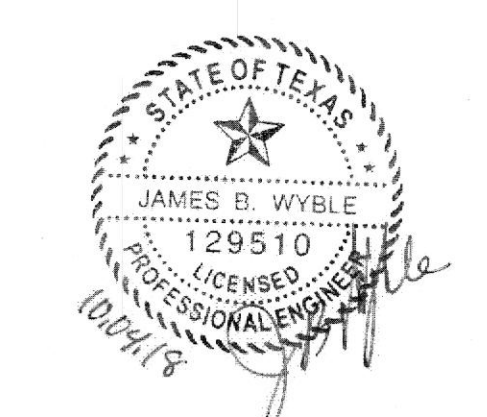
LOAD ON RETAIL TROUGH:  
EXISTING DISCONNECT: 600 AMPS, LOAD @ 80% = 480 AMPS  
OUZO LOAD: 1200 AMP DISCONNECT, LOAD = 736 AMPS  
480 AMPS + 736 AMPS = 1216 AMPS  
OVERCURRENT PROTECTION: 2000 AMPS

**RISER NOTES:**

1. NEW RESTAURANT 1200A, 277/480V, 3φ, 4W CT CABINET AND 3P-1200A ENCLOSED CIRCUIT BREAKER, TRIPPED AT 1200A, WITH GROUND FAULT PROTECTION, INSTALL IN AVAILABLE SPACE AS DIRECTED BY LANDLORD REPRESENTATIVE.
2. NEW METERING FOR 1200A, 3φ, 4W 277/480V SERVICE, COORDINATE WITH LANDLORD AND POWER COMPANY
3. EXISTING LANDLORD MAIN DISTRIBUTION SWITCHBOARD 4000A, 277/480V, 3φ, 4W WITH MAIN DISCONNECT RATED AT 4000A SEE SCHEDULE.



1 POWER RISER DIAGRAM  
E.13 NO SCALE



<b>ARCHITECT</b> HapstakDemetriou + ARCHITECTURE   DESIGN 2715 M STREET NW, 4th Floor WASHINGTON, DC 20007 202.333.9038 www.hd-ad.com info@hd-ad.com	<b>CLIENT</b> Alexanader Smith (410) 241-1224 a smith11@gmail.com  <b>STRUCTURAL ENGINEER</b> BEI Structural Engineers 3930 Pender Dr. Suite175 Fairfax, VA 22030	<b>MEP ENGINEER</b> J.B. Wyble and Associates, P.A. 7950 Norfolk Ave., Bethesda, MD 301-654-1410  <b>FOOD SERVICE CONSULTANT</b> JLA Corp 13031 US Highway 19N, Clearwater, FL 33764 727-470-7862	<b>OUZO BAY/ LOCH BAR HOUSTON</b> 4444 WESTHEIMER RD, HOUSTON, TX 77027 <b>PROJECT NO. JBW17108</b>  I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF TEXAS. P.E. LICENSE #: 129510, EXPIRATION DATE: DECEMBER 31, 2018 FIRM LICENSE #: F19615, EXPIRATION DATE: MARCH 31, 2019	REV DATE ISSUED FOR 05/16/2018 PROGRESS SET 06/11/2018 PERMIT SET 08/30/2018 PERMIT COMMENTS 10/04/2018 PERMIT COMMENTS	REV DATE ISSUED FOR _____ _____ _____ _____	<b>OUZO BAY/ LOCH BAR POWER RISER</b>  <b>E.13</b>
				_____ _____ _____ _____	_____ _____ _____ _____	

P:\Advanced Projects\Hapstak Demetriou\OUZO HOUSTON 1710-13 POWER RISER.dwg, 10/16/2018 4:08:18 PM, JBN, DWG TO PDF.plt, J.B. Wyble and Associates, P.A.