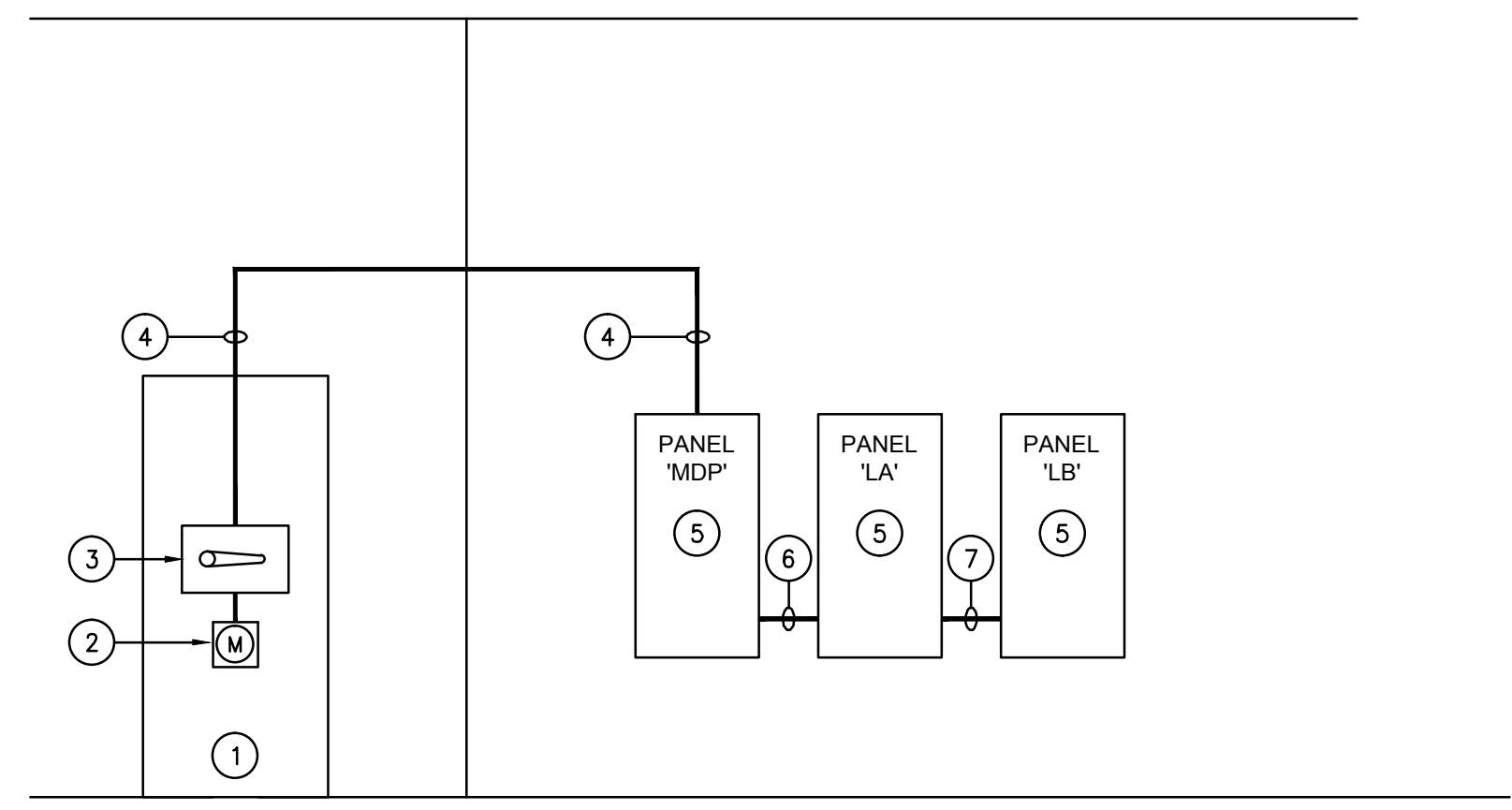


MECHANICAL EQUIPMENT SCHEDULE														
EQUIPMENT TAG	EQUIPMENT NAME	VOLT/ PHASE	MCA	MOCF	HP	KW	CONDUIT - WIRE	STARTER	DISCONNECT	PANEL	CIRCUIT NUMBER	DISC. SWITCH	FUSE SIZE	NOTE
ACCU-1	CONDENSING UNIT	208/3	14.0	20			3/4" C-3#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	1,3,5	30A/3P	NA	1
ACCU-2	CONDENSING UNIT	208/3	18.0	30			3/4" C-3#10, 1#10 GND.	DIVISION 15	DIVISION 16	MDP	7,9,11	30A/3P	NA	1
ACCU-3	CONDENSING UNIT	208/3	44.6	50			3/4" C-3#8, 1#10 GND.	DIVISION 15	DIVISION 16	MDP	13,15,17	60A/3P	NA	1
ACCU-4	CONDENSING UNIT	208/3	44.6	50			3/4" C-3#8, 1#10 GND.	DIVISION 15	DIVISION 16	MDP	19,21,23	60A/3P	NA	1
FCU-1	FAN COIL UNIT	208/1			1/2		3/4" C-2#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	8,10	30A/2P	NA	2
FCU-2	FAN COIL UNIT	208/1			1		3/4" C-2#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	12,14	30A/2P	NA	2
FCU-3	FAN COIL UNIT	208/3			3		3/4" C-3#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	16,18,20	30A/3P	NA	2
FCU-4	FAN COIL UNIT	208/3			3		3/4" C-3#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	22,24,26	30A/3P	NA	2
HRU-1	HEAT RECOVERY UNIT	208/3	11.9	15			3/4" C-3#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	28,30,32	30A/3P	NA	2
EF-1	RESTROOM EXHAUST FAN	120/1				79W	3/4" C-2#12, 1#12 GND.	-	-	LA	3	-	NA	3
EF-2	RESTROOM EXHAUST FAN	120/1				79W	3/4" C-2#12, 1#12 GND.	-	-	LA	3	-	NA	3
EF-3	V.M. ROOM EXHAUST FAN	120/1				370W	3/4" C-2#12, 1#12 GND.	-	-	MDP	34	-	NA	4
EF-4	OFFICE EXHAUST FAN	120/1				130W	3/4" C-2#12, 1#12 GND.	-	-	MDP	34	-	NA	5
EW-1	WATER HEATER	208/3				3.0	3/4" C-3#12, 1#12 GND.	-	-	DIVISION 16	MDP	25,27,29	30A/3P	NA

NOTES:
 1. PROVIDE WEATHER PROOF, GFI RECEPTACLE ADJACENT TO ROOF MOUNTED HVAC EQUIPMENT.
 2. PROVIDE PORCELAIN SOCKET WITH 60W/A19 LAMP, SWITCH AND GFI DUPLEX RECEPTACLE ADJACENT TO HVAC UNIT.
 3. INTERLOCK EXHAUST FAN WITH LOCAL LIGHTING CONTROL.
 4. FAN SHALL BE CONTROLLED BY A WALL MOUNTED SOLID STATE SPEED CONTROL SWITCH FURNISHED BY THE MECHANICAL CONTRACTOR AND WIRING BY THE ELECTRICAL CONTRACTOR.
 5. FAN SHALL BE CONTROLLED BY A PERMANENTLY ENGRAVED WALL SWITCH. SWITCH PROVIDED BY ELECTRICAL CONTRACTOR, ENGRAVED PLATE BY MECHANICAL CONTRACTOR. INSTALL HIGH OR ON FAN OUT OF EMPLOYEE REACH.



1 POWER RISER DIAGRAM
NONE

RISER DIAGRAM NOTES

- EXISTING 120/208V, 3Ø, 4W ELECTRICAL DISTRIBUTION.
- LANDLORD TO PROVIDE METERING EQUIPMENT. COORDINATE EXACT REQUIREMENTS PRIOR TO BID.
- LANDLORD TO PROVIDE A 800A, 3P, 4W, DISCONNECT SWITCH WITH (9)800A FUSES.
- LANDLORD TO PROVIDE (2)3" CONDUITS EACH WITH 4#350 KCMIL AND 1#10 GROUND FROM ELECTRICAL ROOM SWITCHBOARD TO PANEL HA.
- TENANT'S E.C. TO PROVIDE NEW ELECTRICAL PANELS 'MDP', 'LA', AND 'LB'. REFER TO PANEL SCHEDULES THIS SHEET.
- TENANT'S E.C. TO PROVIDE 2" C-4#30 AND 1#6 GROUND.
- TENANT'S E.C. TO PROVIDE 1-1/4" C-4#3 AND 1#6 GROUND.

TENANT TOTAL LOAD SUMMARY			
	CONNECTED KVA	DESIGN FACTOR	DESIGN DEMAND KVA
LIGHTING	18.9	1.25	23.6
RECEPTACLES	18.2	1.0	14.1
SIGN	0.0	1.25	0.0
WATER HEATER	3.0	1.0	3.0
HVAC (LARGEST)	12.9	1.25	16.1
HVAC (REMAINING)	36.5	1.0	36.5
HVAC (NON-COINCIDENTAL)	0.0	1.0	0.0
MISCELLANEOUS	11.3	1.0	11.3
TOTAL KVA:	100.8		104.7
TOTAL AMPS:	280.0		290.7

PANEL LA - LOAD SUMMARY			
	CONNECTED KVA	DESIGN FACTOR	DESIGN DEMAND KVA
LIGHTING	18.9	1.25	23.6
RECEPTACLES	18.2	1.0	14.2
SIGN	0.0	1.25	0.0
WATER HEATER	0.0	1.0	0.0
HVAC (LARGEST)	0.0	1.25	0.0
HVAC (REMAINING)	0.0	1.0	0.0
HVAC (NON-COINCIDENTAL)	0.0	1.0	0.0
MISCELLANEOUS	11.3	1.0	11.3
TOTAL KVA:	48.4		49.1
TOTAL AMPS:	134.4		136.5

PANEL LB - LOAD SUMMARY			
	CONNECTED KVA	DESIGN FACTOR	DESIGN DEMAND KVA
LIGHTING	0.0	1.25	0.0
RECEPTACLES	14.0	1.0	12.6
SIGN	0.0	1.25	0.0
WATER HEATER	0.0	1.0	0.0
HVAC (LARGEST)	0.0	1.25	0.0
HVAC (REMAINING)	0.0	1.0	0.0
HVAC (NON-COINCIDENTAL)	0.0	1.0	0.0
MISCELLANEOUS	11.3	1.0	11.3
TOTAL KVA:	25.3		23.9
TOTAL AMPS:	70.3		66.4

MDP											
Location: Stockroom		A.I.C. RATING: 22,000A								120/208 Volt, 3ø, 4w	
Mounting: Surface										Main: MCB 800A	
Circuit Description	KVA	CB	NO.	NOTE	A	B	C	NOTE	NO.	CB	KVA
ACC-1	1.3	20/3	1		X				2	20/1	19.4
RECEPTACLES	18.2				X				4	20/1	12.2
SIGN	0.0					X			6	20/1	16.8
WATER HEATER	3.0								8	20/2	0.6
HVAC (LARGEST)	12.9				X				10	20/2	0.6
HVAC (REMAINING)	36.5					X			12	20/1	0.9
HVAC (NON-COINCIDENTAL)	0.0						X		14	20/2	0.9
MISCELLANEOUS	11.3								16	20/1	1.3
TOTAL KVA:	4.3	50/3	15	B					18	20/3	1.3
TOTAL AMPS:	4.3								20	20/1	1.3
ACC-2	1.7	30/3	9	B					22	20/1	1.3
RECEPTACLES	18.2				X				24	20/3	1.3
SIGN	0.0					X			26	20/1	1.1
WATER HEATER	3.0								28	20/1	1.1
HVAC (LARGEST)	12.9				X				30	15/3	1.1
HVAC (REMAINING)	36.5					X			32	20/1	1.1
HVAC (NON-COINCIDENTAL)	0.0						X		34	20/1	0.5
MISCELLANEOUS	11.3								36		
TOTAL KVA:	4.3	50/3	21	B					38		
TOTAL AMPS:	4.3								40		
ACC-3	1.7	30/3	9	B					42		
RECEPTACLES	18.2				X						
SIGN	0.0					X					
WATER HEATER	3.0										
HVAC (LARGEST)	12.9				X						
HVAC (REMAINING)	36.5					X					
HVAC (NON-COINCIDENTAL)	0.0						X				
MISCELLANEOUS	11.3										
TOTAL KVA:	10.8	50/3	27	B							
TOTAL AMPS:	10.8										
ACC-4	1.7	30/3	9	B							
RECEPTACLES	18.2				X						
SIGN	0.0					X					
WATER HEATER	3.0										
HVAC (LARGEST)	12.9				X						
HVAC (REMAINING)	36.5					X					
HVAC (NON-COINCIDENTAL)	0.0						X				
MISCELLANEOUS	11.3										
TOTAL KVA:	10.8	50/3	33	B							
TOTAL AMPS:	10.8										
ACC-5	1.7	30/3	9	B							
RECEPTACLES	18.2				X						
SIGN	0.0					X					
WATER HEATER	3.0										
HVAC (LARGEST)	12.9				X						
HVAC (REMAINING)	36.5					X					
HVAC (NON-COINCIDENTAL)	0.0						X				
MISCELLANEOUS	11.3										
TOTAL KVA:	10.8	50/3	39	B							
TOTAL AMPS:	10.8										
ACC-6	1.7	30/3	9	B							
RECEPTACLES	18.2				X						
SIGN	0.0					X					
WATER HEATER	3.0										
HVAC (LARGEST)	12.9				X						
HVAC (REMAINING)	36.5					X					
HVAC (NON-COINCIDENTAL)	0.0						X				
MISCELLANEOUS	11.3										
TOTAL KVA:	10.8	50/3	45	B							
TOTAL AMPS:	10.8										
ACC-7	1.7	30/3	9	B							
RECEPTACLES	18.2				X						
SIGN	0.0					X					
WATER HEATER	3.0										
HVAC (LARGEST)	12.9				X						
HVAC (REMAINING)	36.5					X					
HVAC (NON-COINCIDENTAL)	0.0						X				
MISCELLANEOUS	11.3										
TOTAL KVA:	10.8	50/3	51	B							
TOTAL AMPS:	10.8										
ACC-8	1.7	30/3	9	B							
RECEPTACLES	18.2				X						
SIGN	0.0					X					
WATER HEATER	3.0										
HVAC (LARGEST)	12.9				X						
HVAC (REMAINING)	36.5					X					
HVAC (NON-COINCIDENTAL)	0.0						X				
MISCELLANEOUS	11.3										
TOTAL KVA:	10.8	50/3	57	B							
TOTAL AMPS:	10.8										
ACC-9	1.7	30/3	9	B							
RECEPTACLES	18.2				X						
SIGN	0.0					X					
WATER HEATER	3.0										
HVAC (LARGEST)	12.9				X						
HVAC (REMAINING)	36.5					X					
HVAC (NON-COINCIDENTAL)	0.0						X				
MISCELLANEOUS	11.3										
TOTAL KVA:	10.8	50/3	63	B							
TOTAL AMPS:	10.8										
ACC-10	1.7	30/3	9	B							