

PANELBOARD: PLP										AIC RATING: 22AIC									
BUS AMPS: 400A										SERVES: GENERAL POWER									
MAIN SIZE/TYPE: MLO										MOUNTING SURFACE									
VOLTAGE/PHASE: 120V/208V, 3PH, 4W										LOCATION: TENANT SUITE									
SECTION 5 (1)																			
CRK	NO	DESCRIPTION	VOLTAGE/PHASE			WIRE	NO	BKR	AMP	P	BKR	AMP	WIRE	NO	VOLTAGE/PHASE	DESCRIPTION	CRK	NO	
			A	B	C									A	B	C			
1	3	LXTH	1700											500			1	CHECK IN RECEPT 4.G	
2	4	SPARE												180			2	BATTERY BACK RECEPT	
3	5	SPARE															3	BATTERY BACK RECEPT	
4	7	GENERAL RECEPTACLE															4	BATTERY BACK RECEPT	
5	8	STARTER/ALT. TESTER	640	1680										360			5	BREAK AWAY RECEPTACLE	
6	11	STARTER/ALT. TESTER				1680	10	20	1	10	20	EX			360		6	RTU RECEPTACLES	
7	12	GENERAL RECEPTACLE	1640	360										360			7	GENIUM RECEPTACLE	
8	15	GENERAL RECEPTACLE															8	COKE MACHINE (PWLV)	
9	16	ISOLATED GRD. RECEPTS				720	12	10	1	10	12			1750	720		9	ISOLATED GRD. RECEPTS	
10	18	GENERAL RECEPTACLE															10	ISOLATED GRD. RECEPTS	
11	21	BATTERY BACKUP (2.5)	860	3000										720	360		11	ISOLATED GRD. RECEPTS	
12	23	3 WATER COOLER RECEPT (4.G)				900	12	10	1	10	12				720		12	ISOLATED GRD. RECEPTS	
13	25	GENERAL RECEPTACLE/IRRIGATION	1000														13	ISOLATED GRD. RECEPTS	
14	27	SECURITY												360			14	ISOLATED GRD. RECEPTS	
15	29	RECEPTACLES (5)				1000	12	10	1	10	12						15	SPACE	
16	31	CIRCULATING PUMP	700														16	SPACE	
17	34	TANK WATER RECEPT															17	ISOLATED GRD. RECEPTS	
18	35	ISOLATED GRD. RECEPTS				360	12	10	1	10	12			360	360		18	ISOLATED GRD. RECEPTS	
19	37	J-BOX FIRE ALARM				360	12	10	1	10	12			500			19	PRINTER RECEPT	
20	38	SPICE															20	PHONE EQUIP. RECEPTS	
21	41	SPICE												720			21	GENERAL RECEPTACLE	
22	42	SPICE												900			22	GENERAL RECEPTACLE	
23	43	SPICE															23	GENERAL RECEPTACLE	
24	44	SPICE															24	GENERAL RECEPTACLE	
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120	140	SPICE																	

* ELECTRICAL CONTRACTOR SHALL WIRE LIGHTING CIRCUITS TO 20A BREAKERS
ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLY FOR A COMPLETE OPERATIONAL SYSTEM

1. DRAWINGS ARE DIAGRAMMATIC & ARE NOT TO BE SCALED. SEE THE ARCHITECTURAL PLANS & FIELD VERIFY CONDITIONS FOR DIMENSIONS.
2. ALL ELECTRICAL WORK SHALL COMPLY WITH THE EDITION OF NFPA 70-NATIONAL ELECTRIC CODE (NEC) AS NOTED ON THE CODE SUMMARY SHEET.
3. ALL WIRING SHALL BE IN CONDUIT, EXCEPT THAT MC-CABLE MAY BE SUBSTITUTED ONLY AS FOLLOWS:
 - A. MC-CABLE (MAXIMUM CABLE LENGTH OF 6'-0") MAY BE INSTALLED ONLY FOR BRANCH CIRCUIT WIRING TO LIGHT FIXTURES.
 - B. MC-CABLE (MAXIMUM CABLE LENGTHS SHOWN ON DETAIL 2/2) MAY BE INSTALLED ONLY ABOVE SLAB AND ONLY AT LOCATIONS INDICATED ON SHEET E2.
4. FEEDER CONDUIT SHALL BE MC OR RGS ABOVE GRADE & PVC BELOW GRADE WITH MC OR RGS ELLS & RISERS. INTERIOR BRANCH CIRCUIT CONDUIT SHALL BE ELECTRIC METALLIC TUBING. EXTERIOR BRANCH CIRCUIT CONDUIT SHALL BE PVC BELOW GRADE WITH MC OR RGS OR GALVANIZED STEEL CONDUIT CONTINUING ABOVE GRADE. (SPEC 26 05 33)
5. COORDINATE ALL WORK WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATION DOES NOT MEAN "I WAS HERE FIRST."
6. ALL WIRING FINISHED SPACES SHALL BE CONCEALED, UNLESS NOTED OTHERWISE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING NO COMPLETE & FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE INTENT OF THE PLANS, WHETHER OR NOT EVERY ELEMENT THEREOF IS SPECIFICALLY CALLED OUT.
8. COORDINATE ALL EQUIPMENT ROUTING IN CONNECTION REQUIREMENTS.
9. ALL OUTLET BOXES SHALL BE METALLIC. (SPEC 26 05 34)
10. ALL CAULKING ON BUILDING SHALL BE ELASTOMERIC POLYURETHANE (NO EXCEPTIONS), EQUAL TO "VULKEM" 116. ANY CONTRACTOR WHO USES SILICONE OR ANY OTHER CAULKING WILL BE REQUIRED TO REMOVE & REPLACE WITH ELASTOMERIC POLYURETHANE.
11. RECEPTACLES INSTALLED IN RESTROOMS SHALL BE GFI TYPE OR SHALL BE PROTECTED BY A GFI DEVICE.
12. ALL DEVICES SHALL BE IVORY & SHALL BE EQUAL TO THE FOLLOWING:

SINGLE POLE SWITCHES --	
THREE-WAY SWITCHES --	
DUPLEX RECEPTACLE --	(SPEC 26 27 26)
GFI DUPLEX RECEPTACLE --	
ISO. GRD. RECEPTACLES --	
13. USE DEVICE PLATES MANUFACTURED BY THE DEVICE MANUFACTURER. (SPEC 26 27 26)
14. FEEDER & BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER, STRANDED, 600V THINWALL INSULATION. EXCEPT: WIRE SIZES #10 AWG & SMALLER SHALL BE SOLID. (SPEC 26 05 19)
15. CONTRACTOR SHALL PROVIDE A TYPED CIRCUIT DIRECTORY FOR ALL PANELS. (SPEC 26 05 53)
16. CONTRACTOR SHALL PROVIDE A ONE (1) YEAR WARRANTY ON ALL WORK PERFORMED.
17. CONTRACTOR SHALL PROVIDE NEW WORKING LAMPS IN ALL LIGHT FIXTURES AT JOB COMPLETION.
18. CONTRACTOR SHALL COORDINATE WITH & SHALL INCLUDE ALL FEES FOR THE SERVING "ELECTRIC UTILITY CO." TO PROVIDE ELECTRIC SERVICE AS SHOWN. CONTRACTOR SHALL ALSO INCLUDE ALL FEES FOR THE "SERVING" PHONE COMPANY TO INSTALL NO LESS THAN 10 PAIR CABLE TO BUILDING.
19. CONTRACTOR SHALL ARRANGE FOR & INCLUDE ALL PERMITS & FEES FOR HIS SCOPE OF WORK.
20. CONTROL WIRING BY HVAC CONTRACTOR. FANAL CONNECTIONS BY HVAC CONTRACTOR. SEE SHEET M1.
21. APPROVED MANUFACTURERS:

A. PANELBOARDS & SAFETY SWITCHES (DISCONNECTS):	B. DEVICES:	C. FLOOR BOXES:
--"SQUARE D"	--"HUBBELL"	--"STEEL CITY"
--"GE"	--"LEVITON"	--"APPLETON"
--"SIEMENS"	--"PASS & SEYMOUR"	--"HUBBELL"
--"CUTLER-HAMMER"		
- (SPEC 26 24 00) (SPEC 26 27 26)
22. MULTIWIRE BRANCH CIRCUITS WITH A "SHARED NEUTRAL" ARE NOT ALLOWED FOR SINGLE PHASE CIRCUITS. (SPEC 26 05 34)
23. ALL BRANCH CIRCUITS SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE CIRCUIT CONDUCTORS. THIS MEANS THAT ALL CONDUITS MUST HAVE A "GREEN" WIRE INSTALLED IN THEM AND SIZED IN ACCORDANCE WITH TABLE 250.122 OF THE NEC.



SCALE: NONE

SCALE: NONE

1. SEE DETAIL 1/E1 FOR WIRING OF EXIT & EMERGENCY LIGHTS ON THESE CIRCUITS.
2. ALL EXIT & EMERGENCY LIGHTING CIRCUITS SHALL BE LABELED BY THE CONTRACTOR ON THE "PANEL DIRECTORY". (SPEC: NFPA 70 408.4 & 700.12.)



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|-----|-----------------------|-------|------------------------------|------|------------------------------|
| ACC | LOCATED ABOVE COUNTER | RTU | PACKAGED ROOFTOP UNIT | UPO | UN-POWERED OUTLET |
| ACF | ABOVE FINISHED FLOOR | IMC | INTERMEDIATE METALLIC TUBING | TS | TIME SWITCH |
| BCU | BLOWER COIL UNIT | LC | LIGHTING CONTROLLER | W | WALL OUTLET (46" AFF SEE |
| CDU | CONDENSING UNIT | M | MOTOR STARTING | WP | MOUNTING HEIGHTS) |
| EDU | EXHAUST FAN | R | RED IN COLOR DEVICES & | W | WEATHERPROOF (ASSEMBLY |
| EFU | ELECTRIC FURNACE | COVER | COVERED | X | EXPLOSION PROOF (ASSEMBLY |
| FUR | GAS FURNACE | MP | MOTOR STARTING W/PILOT LIGHT | GFCI | GRD./FAULT CIRCUIT INTERRUPT |
| HU | AIR HANDLER | NL | NIGHT LIGHT | EMT | ELECTRICAL METALLIC TUBING |
| HPU | HEAT PUMP UNIT | PEC | PHOTOELECTRIC CONTROL | CMT | CEILING MOUNTED |