 <b>GENERAL NOTES</b> (APPLY TO ALL DRAWINGS):		REVIATIO
A. ALL CONDUITS SHALL BE INSTALLED AS HIGH AS POSSIBLE ABOVE FINISHED AND CONCEALED IN WALLS UNLESS OTHERWISE INDICATED. ALL CONDUITS PARALLEL AND PERPENDICULAR WITH BUILDING WALLS AND STRUCTURE.	SHALL RUN	DESCRIPT
CONCEALED IN WALLS SHALL BE INSTALLED VERTICALLY, HORIZONTAL RUN SHALL NOT BE PERMITTED.		ABOVE FI
B. CONTRACTOR IS HEREBY CAUTIONED THAT ELECTRIC POWER CHARACTERI PHASE, HORSEPOWER, AMPERAGE, ETC.) OF EQUIPMENT IS BASED ON AVAI INFORMATION AT THE TIME OF PROJECT DESIGN. CONTRACTOR MUST VERI	LABLE	AMPERE
CHARACTERISTICS FOR EACH PIECE OF NEW EQUIPMENT PRIOR TO ORDERI EQUIPMENT. INDICATE VERIFICATION ON SUBMITTALS.		AUTOMAT BASEMEN
C. LOCATIONS INDICATED FOR LIGHTING FIXTURES ARE APPROXIMATE. LOCAT AS REQUIRED TO AVOID INTERFERENCE WITH BUILDING STEEL, PIPING, DUC	TWORK, CONDUIT,	BREAKER
DIFFUSERS, GRILLES, SPEAKERS, SMOKE DETECTORS, ETC. FIELD COORDIN LOCATIONS AS NEAR AS POSSIBLE TO THE LOCATION INDICATD.	ATE EXACT CLG. CONTR.	CEILING CONTRAC
D. EXACT LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS, EXIT SIGNS, I COORDINATED WITH OTHER CEILING MOUNTED EQUIPMENT TO AVOID CONF LOCATE DEVICES AS NEAR AS POSSIBLE TO THE LOCATION INDICATED. FIRE	LICT.	CONTACT CONDUIT
AND HEAT DETECTORS SHALL BE LOCATED 3'-0" MINIMUM FROM HVAC DIFFU REGISTERS, GRILLES, ETC. SMOKE DETECTORS AT SMOKE DOORS MUST BE WITHIN 5'-0" OF THE DOORS (REFER TO NFPA 72).	SERS,	DISTRIBU
<ul> <li>E. EXACT LOCATIONS OF ALL DEVICES, RACEWAYS, ETC. SHALL BE FIELD VERIFINATERIERENCE WITH CABINETRY, FURNITURE, ETC. COORDINATE FINAL LOCATIONS</li> </ul>		DOWN EACH
THE OWNER, ARCHITECT AND ENGINEER BEFORE INSTALLATION.	E.C.	ELECTRIC
F. CONTRACTOR SHALL REVIEW ALL TRADES' CONTRACT DOCUMENTS TO DET MOUNTING LOCATIONS FOR ELECTRICAL EQUIPMENT. COORDINATE EXACT WITH THE ARCHITECT AND OTHER CONTRACTORS. REFER TO ARCHITECTUI	MOUNTING LOCATIONS RAL PLANS FOR EMERG.	ELECTRIC
CASEWORK LAYOUT, ELEVATIONS, ETC. COORDINATE WITH LOCATIONS OF AND OUTLETS.	EM.	EMERGEN
G. EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT THAT REQUI CONNECTIONS ARE SHOWN ON THE MECHANICAL AND PLUMBING DRAWING PRIOR TO COMMENCING ANY WORK.		ELECTRIC
<ul> <li>H. PROVIDE CONDUIT/WIRING (CIRCUITING) AND REQUIRED CONNECTIONS TO A EQUIPMENT. CONNECT TO CIRCUIT(S) AS INDICATED.</li> </ul>	ALL DEVICES/ F.A. F.A.C.P.	FIRE ALAF
<ol> <li>CIRCUITING TO DEVICES/EQUIPMENT SHALL BE 2 #12 WITH 1 #12 GROUND (M IN SAME CONDUIT MAY SHARE SAME EQUIPMENT GROUND) FOR EACH 20 AM</li> </ol>	ULTIPLE HOMERUNS F.A.T.C.	FIRE ALAF
OTHERWISE NOTED. ALL CIRCUITS SHALL HAVE SEPARATE NEUTRALS (CIRCUITS SHALL HAVE SEPARATE NEUTRALS).	CUITS SHALL NOT FCU FZ (3)	FAN COIL FIRE ZONE
	GRS.	GALVANIZ
DATA	GND. G.C.	GROUND GENERAL
	GEN.	GENERAT
TWO (2) DUPLEX RECEPTAC COMMUNICATION OUTLETS WITH LOW VOLTAGE DIVIDE	IN 3-GANG OUTLET BOX	GROUND F
Image: Constraint of the second s	ATA ROOM INDICATED. HP.	HORSEPO
COMMÚNICATION OUTLET O     OUTLET BOX WITH LOW VOL	UTLET IN 2-GANG KW. TAGE DIVIDER.	KILOWATT LIGHTING
PROVIDE ONE (1) CATEGOR' ROOM INDICATED.	M.C.B.	MAIN CIRC
COMMUNICATION OUTLET IN PROVIDE ONE (1) CATEGOR' ROOM INDICATED.		MAIN LUG MICROWA
W - WALL MOUNTED AT 46	" NL	NIGHT LIG
		PANEL PHASE
© ■C TV COMMUNICATION OUTLET C RECESSED OUTLET BOX. PR CABLE FOR TV. ROUTE COM LOCAL WIRDING CLOSET AS S	ROVIDE ONE (1) PATCH P.C. MUNICATION CABLE TO	
LOCAL WIRING CLOSET AS S PROVIDE ONE (1) CATEGOR' ROOM INDICATED.		POWER VI POLE
DR DATA RACK	REFRIG. SP.	REFRIGER
NOTES:	SPEC.	SPECIFICA
ALL RECEPTACLES ASSOCIATED WITH DATA OUTLETS SHALL OUTLET POWER" LABEL ON FACEPLATE. LABEL TO BE DYMO		SWITCH TELEVISIO
COORDINATE FINAL MOUNTING HEIGHTS WITH ARCHITECTU INTERIOR DESIGN DRAWINGS.	I.B.B.	TELEPHON
POS - POINT OF SALE KP - KITCHEN PRINTER ATM - AUTOMATIC TELLER MACHINE	T.T.C. TYP.	TELEPHON
ATM - AUTOMATIC TELLER MACHINE T/A - TIME/ATTENDANCE MACHINE	U.L. V.	
	v. WP	VOLT WEATHER
	4 W. 3P.15A.	WIRE P = POLE
	 oc	 MOUNTED
		MOUNTED
	WG VP	WIRE GUA VANDAL P
	EHP	FRACTION
	I I	
	EF CUH	EXHAUST CABINET U

IONS		BASIC MATERIALS
IPTION		AND METHODS
FINISHED FLOOR		
FINISHED GRADE		HOME RUN TO PANELBOARD. LETTERS/NUMBERS
RE	LP-404	INDICATE PANEL. NUMBERS INDICATE CIRCUITS. NUMBER OF ARROWS EQUALS NUMBER OF CIRCUITS.
IATIC		CIRCUIT SHALL BE 20 AMP, 120 VOLT, 2 #12, 1 #12
IENT		EG., IN "C, UNLESS NOTED OTHERWISE. BRANCH CIRCUIT WIRING SIZE AND NUMBER TO MATCH
ER		HOMERUN. REFER TO SPEC'S FOR RACEWAY TYPE.
G		
RACTOR		SOLID HALF ARROW(S) INDICATES 120 VOLT CIRCUIT TO SINGLE POLE CIRCUIT BREAKER(S), UNLESS NOTED
CTOR		OTHERWISE.
JIT		
BUTION PANEL		SOLID FULL ARROW(S) INDICATES 208 VOLT CIRCUIT TO MULTI-POLE CIRCUIT BREAKER, UNLESS NOTED OTHERWISE.
RICAL CONTRACTOR	UE	UNDERGROUND ELECTRIC
RIC	UL UL	
GENCY		
GENCY	UC	UNDERGROUND COMMUNICATION
RIC WATER COOLER		
NG		
LARM	UP	UNDERGROUND PRIMARY FEEDER
LARM CONTROL PANEL		
LARM TERMINAL CABINET		
DIL UNIT		HEAVY DASHED INDICATES CONDUIT RUN BELOW SLAB
ONE (3)		SEAD
NIZED RIGID STEEL		
	3	REFERENCE TO DRAWING NOTE
ALCONTRACTOR		
ATOR		
	JJ	JUNCTION BOX
IG, VENTILATING AND AIR CONDITIONING		
POWER		SPECIAL PURPOSE RECEPTACLE. PROVIDE PROPER VOLTAGE, CLASS, CURRENT RATING AND NEMA
ATT		CONFIGURATION AS REQUIRED BY BRANCH CIRCUIT
		AND/OR MATCH CAP ON EQUIPMENT BEING FURNISHED BY OTHERS. PROVIDE CORD AND CAP.
IRCUIT BREAKER		DUPLEX RECEPTACLE, 20 AMP, 125 VOLT
WAVE	φ	SUBSCRIPTS INDICATE TYPE: CR - CORROSION RESISTANT
LIGHT		DT - DUST TIGHT IG - ISOLATED GROUND
		OC - OVER THE COUNTER SS - MOV SURGE SUPPRESSION
		UC - UNDER THE COUNTER WP - WEATHER PROOF
ING CONTRACTOR		L - LOCKABLE COVER
RVENTILATOR		TR - TAMPER RESISTANT
	<b>n</b>	DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT
GERATOR	<b>P</b>	INTERRUPTING TYPE
ICATION	•	QUAD RECEPTACLE 20 AMP, 125 VOLT
н	<sup>m</sup>	, ,
SION		
HONE BACKBOARD	•	QUAD RECEPTACLE 20 AMP, 125 VOLT, GROUND
HONE TERMINAL CABINET	π	FAULT CIRCUIT INTERRUPTING TYPE
L		TOGGLE SWITCH, VOLTAGE AS INDICATED ON FIXTURE
WRITER'S LABORATORY	<b>S</b> <sup>3</sup> <sub>a,b,c</sub>	SCHEDULE, SUBSCRIPTS INDICATE TYPE: 2 - TWO POLE SWITCH
		3 - THREE WAY SWITCH 4 - FOUR WAY SWITCH
IERPROOF		LV - LOW VOLTAGE, MOMENTARY CONTACT K - KEY OPERATED
		P - PILOT LIGHT WP - WEATHERPROOF
		EP - EXPLOSION PROOF M - MOMENTARY CONTACT SWITCH
		OS - OCCUPANCY SENSOR
		VS - VACANCY SENSOR TS - ELECTRONIC TIMER
		a,b,c - SWITCHING DESIGNATIONS NUMBER OF LETTERS EQUALS NO. OF GANGED SWITCHES
GUARD		IH - ILLUMINATED HANDLE HLP - HEAT LAMP PRESET
	1	
L PROOF POLYCARBONATE GUARD		
L PROOF POLYCARBONATE GUARD IONAL HORSEPOWER ST FAN	os	CEILING MOUNTED OCCUPANCY SENSOR
IONAL HORSEPOWER	os	CEILING MOUNTED OCCUPANCY SENSOR

C MATERIALS D METHODS	
JN TO PANELBOARD. LETTERS/NUMBERS PANEL. NUMBERS INDICATE CIRCUITS. OF ARROWS EQUALS NUMBER OF CIRCUITS.	S
SHALL BE 20 AMP, 120 VOLT, 2 #12, 1 #12 " C, UNLESS NOTED OTHERWISE. BRANCH WIRING SIZE AND NUMBER TO MATCH IN. REFER TO SPEC'S FOR RACEWAY TYPE.	F
ALF ARROW(S) INDICATES 120 VOLT CIRCUIT LE POLE CIRCUIT BREAKER(S), UNLESS NOTED /ISE.	F
JLL ARROW(S) INDICATES 208 VOLT CIRCUIT I-POLE CIRCUIT BREAKER, UNLESS NOTED /ISE.	F
ROUND ELECTRIC	н
ROUND COMMUNICATION	H <sup>190°</sup>
ROUND PRIMARY FEEDER	H <sup>135°</sup>
ASHED INDICATES CONDUIT RUN BELOW	FACP
NCE TO DRAWING NOTE	СО
N BOX	
PURPOSE RECEPTACLE. PROVIDE PROPER E, CLASS, CURRENT RATING AND NEMA JRATION AS REQUIRED BY BRANCH CIRCUIT MATCH CAP ON EQUIPMENT BEING FURNISHED RS. PROVIDE CORD AND CAP. RECEPTACLE, 20 AMP, 125 VOLT	
IPTS INDICATE TYPE: ROSION RESISTANT T TIGHT ATED GROUND R THE COUNTER V SURGE SUPPRESSION DER THE COUNTER ATHER PROOF ABLE COVER PER RESISTANT	
RECEPTACLE, GROUND FAULT CIRCUIT PTING TYPE	
ECEPTACLE 20 AMP, 125 VOLT	
ECEPTACLE 20 AMP, 125 VOLT, RCUIT INTERRUPTING TYPE	
CAVITOLI MOLTA OF A CINIDICATED ON FIVELIDE	

FIRE ALARM		
S	SMOKE DETECTOR	
F	MANUAL PULL STATION	
F	ALARM SIGNAL, SPEAKER AND STROBE	
FA	ALARM SIGNAL, STROBE	
H	RATE-OF-RISE HEAT DETECTOR	
H 190°	FIXED TEMPERATURE (190° DEG.) HEAT DETECTOR	
H <sup>135°</sup>	FIXED TEMPERATURE (135° DEG.) HEAT DETECTOR	
FACP	FIRE ALARM CONTROL PANEL	
СО	CARBON MONOXIDE DETECTOR	

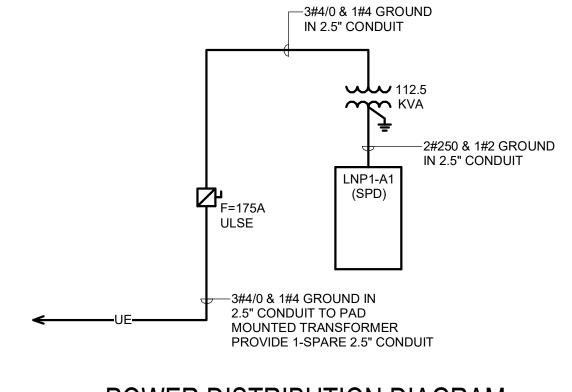
POWER DISTRIBUTION AND CONTROL		
μ	TRANSFORMER	
	208Y/120 VOLT PANELBOARD.	
Ľ	DISCONNECT SWITCH	
Ŋ	FUSED DISCONNECT SWITCH	
$\bigotimes$	MOTOR CONNECTION. REFER TO ELECTRICAL EQUIPMENT AND CONTROL SCHEDULE FOR SIZE	
\$	COMPLETE ELECTRICAL CONNECTION TO EQUIPMENT	

ONE LINE DIAGRAM SYMBOLS	
_∕□	FUSED DISCONNECT SWITCH
	THERMAL MAGNETIC MOLDED CASE CIRCUIT BREAKER
	TRANSFORMER
4	GROUND CONNECTION
${}^{igodoldsymbol{egodoldsymbol{igodoldsymbol{igodoldsymbol{igodoldsymbol{igodoldsymbol{igodoldsymbol{igodoldsymbol{egodoldsymbol{igodoldsymbol{egodoldsymbol{egodoldsymbol{igodoldsymbol{igodoldsymbol{egodoldsymbol{$	FEEDER DESIGNATION. REFER TO FEEDER SCHEDULE
SPD	TRANSIENT VOLTAGE SURGE SUPPRESSOR

## FIXTURE DESIGNATION

FIXTURE TYPE $\bigcirc$ CIRCUIT NUMBER SWITCH LEG F01 $\bigcirc$ $4 - a$ -EM $\leftarrow$ EMERGENCY DESIGNATION

	LUMINAIRES
	CEILING MOUNTED LUMINAIRE
Ρ₽	WALL MOUNTED LUMINAIRE
	LUMINAIRE PROVIDED WITH EMERGENCY BATTERY PACK
O <sub>NL</sub>	LUMINAIRE CONNECT TO NIGHT LIGHT CIRCUIT
	WALL MOUNTED EMERGENCY LUMINAIRE WITH BATTERY PACK
$\nabla$	EMERGENCY BATTERY PACK REMOTE LUMINAIRE HEAD
1⊗	CEILING MOUNTED EXIT LUMINAIRE
1⊗+	WALL MOUNTED EXIT LUMINAIRE
₽	SITE LIGHT SINGLE
⊡≁⊡	SITE LIGHT DOUBLE



## 1 POWER DISTRIBUTION DIAGRAM NTS

