[illegible]

ELECTRICAL ABBREVIATIONS			
FA	FIRE ALARM	RCP	REFLECTED CEILING PLUN
FAP	FIRE ALARM ANNUNCIATOR PANEL	REC	RECESSED
FAB	FIRE ALARM BELL	RECHT	RECEPACLE
FABX	FIRE ALARM BOX	RCS	ROOF GALVANIZED STEEL
FAP	FIRE ALARM CONTROL PANEL	RMS	ROOT MEAN SQUARE
F	FIXTURE	RMS	REQUIRED
FXT	FULL LOAD AMPS	SEC	SHORT CIRCUIT CAPACITY
FLEX	FLEXIBLE METALLIC CONDUIT	SES	SERVICE ENTRANCE SECTION
FLT	FLOODLIGHT	SD	SMOKE DETECTOR
FLUOR	FLUORESCENT FIXTURE	SFT	SQUARE FOOT (FEET)
FLUOR FIX	FLUORESCENT FLOOR OUTLET	SFT	SHEET
FOOTIT	FOOT CIRCULATION	SPEC	SPECIFICATION
FT	FIRE PROTECTION	SPEST	SPRING TEST
FU SW	FULL VOLTAGE NON-REVERSING	SW	SWITCH
FVR	FULL VOLTAGE REVERSING	SWB	SWITCHBOARD
G	GROUND OR GENERATOR	SWGR	SWITCHGEAR
G OR GND	GENERATOR	TC	TIME CLOCK
GEN	GROUND FAULT CIRCUIT INTERRUPTER	TEL	TELEPHONE
GFB	GROUND TERMINAL BOX	TP	TWISTED PAIR
GIB	GROUND TERMINAL BOX	TFS	TWISTED PAIR SHIELDED
H	HIGH INTENSITY DISCHARGE	TB	TELEPHONE TERMINAL BOARD
HID	HIGH-INTENSITY DISCHARGE	TV	TELEVISION
HQA	HIGH-INTENSITY DISCHARGE	TYP	TYPICAL
HP	HORSEPOWER	UFD	UNDERFLOOR DUCT
HT	HEIGHT	UND	UNDERGROUND
HZ	HERTZ	UL	UNDERWRITERS LABORATORY
IESNA	ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA	ULN	UNLESS OTHERWISE NOTED
IMC	INTERMEDIATE METAL CONDUIT	UPS	UNINTERRUPTIBLE POWER SUPPLY
INCAND	INCANDESCENT	UTL	UTILITY
IR	INFRARED	V	VOLT
INH	INSTANTANEOUS WATER HEATER	VA	VOLT AMPERE
J-BOX	JUNCTION BOX	VAR	VOLT AMPERE REACTIVE
KV	KILOVOLT	VFD	VARIABLE FREQUENCY DRIVE
KVA	KILOVOLT AMPERE	VOLT	VOLTAGE
KWH	KILOVOLT AMPERE PER HOUR	W	WATT
KVAR	KILOVOLT AMPERE REACTIVE	WH	WATER HEATER
KW	KILOWATT	WP	WEATHERPROOF
KWHM	KILOWATT HOUR METER	XFR	TRANSFER
LED	LIGHT EMITTING DIODE	XFRM	TRANSFORMER
LF	LINEAR FEET (FOOT)		
LM	LUMEN		
LP	LIGHT POLE		
LPS	LOW PRESSURE SODIUM		
LRA	LOOKED ROTOR AMPS		
LTCP	LOCAL TEMPERATURE CONTROL PANEL		
LTC	LIGHT		
LTC PNL	LIGHTING PANEL		
LTV	LIGHTING		
LV	LOW VOLTAGE		
MAV	MASTER ANTENNA TELEVISION SYSTEM		
MAX	MAXIMUM		
MC	METAL-CLAD		
MCA	MINIMUM CIRCUIT AMPS		
MCB	MAIN CIRCUIT BREAKER		
MCC	MOTOR CONTROL CENTER		
MDP	MAIN DISTRIBUTION PANEL		
MECH	Mechanical		
MECH	Mechanical		
MH	MOTOR GENERATOR		
MH	MARHLE		
MIN	MINIMUM		
MOCP	MAXIMUM OVERCURRENT PROTECTION		
MLO	MAN LUGS ONLY		
MTO	MOUNT		
MTD	MOUNTED		
MTS	MOUNTING		
MVS	MANUAL TRANSFER SWITCH		
MV	MEDIUM VOLTAGE		
MW	MEDICAL		
MW	MESONITT MICROWAVE		
NA	NOT APPLICABLE		
NEG	NATIONAL ELECTRICAL CODE		
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION		
NEUT	NEUTRAL		
NEUT OR N	NATIONAL FIRE PROTECTION ASSOCIATION		
NFA	NOT IN CONTRACT		
NIC	NIGHT LIGHT		
NLC	NIGHT LIGHT		
NS	NO SCALE		
NTS	NOT TO SCALE		
OC	ON CENTER		
OD	OUTSIDE DIAMETER		
OL	OVERLOAD		
P	POLE		
PA	PUBLIC ADDRESS		
PB	PANELBOARD, PULL BOX, OR DISTRIBUTION		
PAPU	PREFABRICATED ABSORBE PATIENT UNIT		
PCB	POLYCHLORINATED BIPHENYL		
PEC	PHOTOELECTRIC CELL		
PED	PEDESTAL		
PEND	PENDANT		
PF	POWER FACTOR		
PH	PHASE		
PNL	PANEL		
POD	POTENTIAL OPERATED DAMPER		
POT	POTENTIAL TRANSFORMER		
PTV	POLYVINYL CHLORIDE (PVC)		
PVC	POLYVINYL CHLORIDE (PVC)		
PMR	POWER		





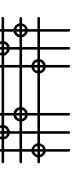
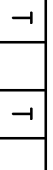
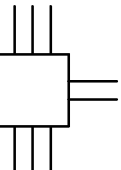


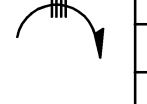






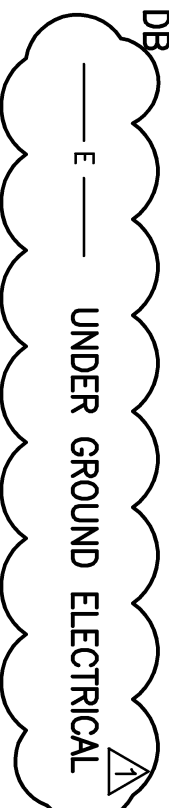
































CONSULTANTS:

Mechanical/Electrical/Plumbing/StruARCHITECT/ENGINEERS:

Drawing Title	ELECT
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Project Title	THERMAL STORAGE
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Project Number
595-11-131Office of

ELECTRICAL SYMBOLS - POWER PLAN		
	MOTOR, SINGLE-PHASE	
	MOTOR, THREE-PHASE	
	TRANSFORMER, PLAN	
	WYE CONNECTION	
	DUCT, CELL FLOOR HEADER	
	DUCT, TROLLEY	
	DUCT, UNDERFLOOR JUNCTION BOX	
	EARTH GROUND	
	JUNCTION BOX	
	LADDER CABLE TRAY	
	NEUTRAL, CIRCUIT HOMERUN. LINES INDICATE NUMBER OF CIRCUITS, BRANCH, AND SWITCH LEG CONDUCTORS. ONE SEPARATE GREEN GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN; NOT SHOWN	
	PULL BOX	
	WIREWAY	
	RIGID CONDUIT LINE = RC	
	DIRECT BURIAL CABLE = DB	
	POWER DUCT = P	
	SUBSTATION	
	HI VOLTAGE SWITCH ON CONCRETE PAD	
	LOW VOLTAGE SWITCH ON CONCRETE PAD	
	DUAL POWER AND TELECOMMUNICATIONS MANHOLE	
	BUSWAY	
	FLOOR OUTLET, DATA COMMUNICATION	
	OUTLET, DATA COMMUNICATION	
	PUSH BUTTON	
	DISTRIBUTION PANEL	
	LIGHTING PANEL	
	PANELBOARD CABINET, FLUSH MOUNTED	
	PANELBOARD CABINET, SURFACE MOUNTED	
	RECEPTACLE, CLOCK HANGER	
	RECEPTACLE, DUPLEX	
	RECEPTACLE, DUPLEX, GFCI WEATHER PROOF ENCLOSURE	
	RECEPTACLE, DUPLEX ON EMERGENCY POWER	
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER	
	RECEPTACLE, QUADRAPLEX	
	RECEPTACLE, SINGLE	
	RECEPTACLE, SINGLE WITH SWITCH	
	RECEPTACLE, SPECIAL PURPOSE	
	TYPE 20A, SINGLE CONVENIENCE OUTLET, 3-WIRE, GROUNDING TYPE, 20A, W/##2 CONDUCTORS IN FLEXIBLE CORD (CENTER LINE OF OUTLET: 6"-6" [1587mm] AFF. MINIMUM).	
	ELECTRICAL STRIP MOLD (OUTLETS ON 2'-0" [610mm] CENTERS, OR AS DESIGNATED ON DRAWINGS), MTD 3'-6" [1067mm] AFF. OR AS INDICATED.	
	3-GANG COMPARTMENT BOX IN FLOOR FOR TELEPHONE, DATA & RECEPTACLE.	
	ELECTRICAL STRIP MOLD (OUTLETS ON 2'-0" [610mm] CENTERS, OR AS DESIGNATED ON DRAWINGS), MTD 3'-6" [1067mm] AFF. OR AS INDICATED.	
	3-GANG COMPARTMENT BOX IN FLOOR FOR TELEPHONE, DATA & RECEPTACLE.	
	RELAY; LETTER INDICATES RELAY TYPE	
	50 = INSTANTANEOUS OVERCURRENT OR RATE-OF-RISE	
	67 = AC-DIRECTIONAL OVERCURRENT	
	86 = LOCK OUT	
	OCCUPANCY SENSOR	
	CARD READER	

ELECTICAL SYMBOLS - POWER PLAN	
	DISCONNECT SWITCH, FUSED
	DISCONNECT SWITCH, UNFUSED
	STARTER, COMBINATION WITH DISCONNECT SWITCH
	STARTER OR MOTOR CONTROLLER
	VARIABLE FREQUENCY DRIVE
	TIME CLOCK
	POTHEAD
	STRESS CONE
	VENTILATOR OR FAN COIL UNIT OUTLET
	CONDUIT TERMINATED 6" [152mm] AFT. IN STANDARD BOX FOR EXTENSION TO EQUIPMENT AS DIRECTED.
	CONDUIT TERMINATED W/COUPLING (FLUSH W/FINISHED FLOOR) FOR EXTENSION TO EQUIPMENT AS DIRECTED.
	LIGHTNING ARRESTOR .
	VARIABLE FREQUENCY DRIVE

ELECTRICAL SYMBOLS - LIGHTING

 THERMAL STORAGE PERIMETER LIGHTING
250W 20'-0" POLE MOUNTED, PHOTO CELL

DOCUMENTS

CONSTRUCTION DOCUMENTS