ELECTRICAL SYMBOL LEGEND

1. THESE SYMBOLS COMPRISE A STANDARD LIST; NOT ALL SYMBOLS MAY APPEAR ON THIS PROJECT.
2. ALL MOUNTING HEIGHTS ARE TO CENTER OF DEVICE ABOVE FINISHED FLOOR. MOUNTING HEIGHTS INDICATED ON ARCHITECTURAL WALL ELEVATIONS OR AS NOTED SPECIFICALLY ON THE DRAWINGS OR IN THE SPECIFICATIONS SHALL TAKE PRECEDENCE OVER MOUNTING HEIGHTS LISTED BELOW.
3. SHADED LIGHTS INDICATE CONNECTION TO THE EMERGENCY SYSTEM.

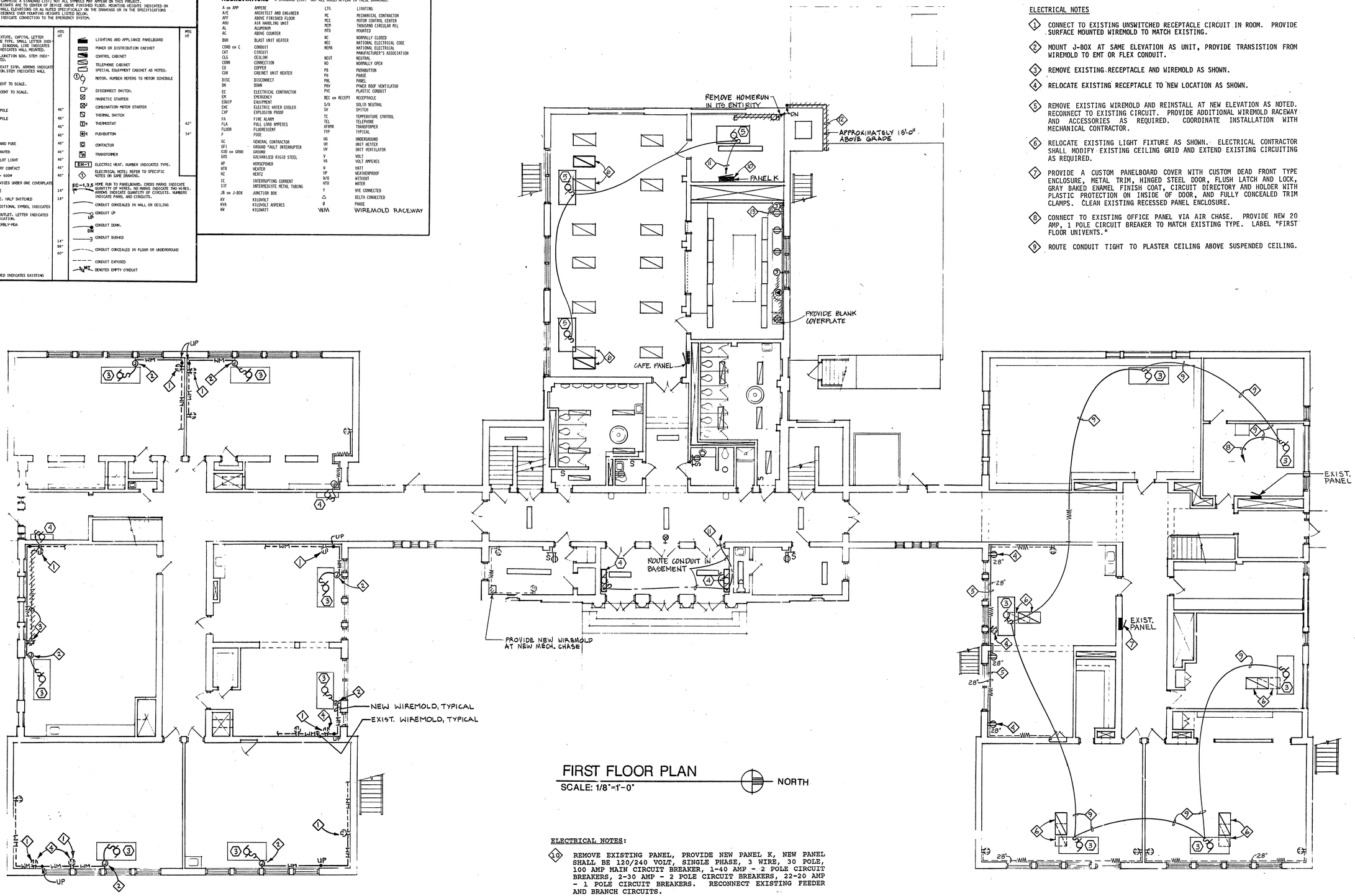
		MTG HT
A	CEILING LIGHT FIXTURE. CAPITAL LETTER INDICATES FIXTURE TYPE. SMALL LETTER INDICATES SWITCHING. DIAGONAL LINE INDICATES RECESSED. STEM INDICATES WALL MOUNTED.	
J	CEILING MOUNTED JUNCTION BOX. STEM INDICATES WALL MOUNTED.	
	CEILING MOUNTED EXIT SIGN. ARROWS INDICATE FACE AND DIRECTION. STEM INDICATES WALL MOUNTED.	
	SURFACE FLUORESCENT TO SCALE.	
	RECESSED FLUORESCENT TO SCALE.	
S	SWITCH: SINGLE POLE	46"
S_2	DOUBLE POLE	46"
S_3	3-WAY	46"
S_4	4-WAY	46"
S_F	SWITCH AND FUSE	46"
S_K	KEY OPERATED	46"
S_P	WITH PILOT LIGHT	46"
S_{MC}	MOMENTARY CONTACT	46"
S_{800}	DIMMER - 600W	46"
	INDICATES ALL DEVICES UNDER ONE COVERPLATE	
	DUPLEX RECEPTACLE	14"
	DUPLEX RECEPTACLE, HALF SWITCHED	14"
	FLOOR OUTLET. ADDITIONAL SYMBOL INDICATES TYPE.	
A	SPECIAL PURPOSE OUTLET. LETTER INDICATES TYPE. SEE SPECIFICATION.	
	MULTI-OUTLET ASSEMBLY-MOA	
	UNDERFLOOR DUCT	
	TELEPHONE OUTLET	14"
	CLOCK OUTLET	88"
T	TIMESWITCH	60"
P	PHOTOCELL	
R	RELAY	
	SYMBOL SHOWN DASHED INDICATES EXISTING	

		MTG HT
	LIGHTING AND APPLIANCE PANELBOARD	
	POWER OR DISTRIBUTION CABINET	
	CONTROL CABINET	
	TELEPHONE CABINET	
	SPECIAL EQUIPMENT CABINET AS NOTED.	
1/6	MOTOR. NUMBER REFERS TO MOTOR SCHEDULE	
	DISCONNECT SWITCH.	
	MAGNETIC STARTER	
	COMBINATION MOTOR STARTER	
	THERMAL SWITCH	
T	THERMOSTAT	62"
	PUSHBUTTON	54"
	CONTACTOR	
	TRANSFORMER	
EH-1	ELECTRIC HEAT. NUMBER INDICATES TYPE.	
1	ELECTRICAL NOTE; REFER TO SPECIFIC NOTES ON SAME DRAWING.	
EC-1,3,5	HOME RUN TO PANELBOARD. CROSS MARKS INDICATE QUANTITY OF WIRES. NO MARKS INDICATE TWO WIRES. ARROWS INDICATE QUANTITY OF CIRCUITS. NUMBERS INDICATE PANEL AND CIRCUITS.	
	CONDUIT CONCEALED IN WALL OR CEILING	
UP	CONDUIT UP	
DN	CONDUIT DOWN.	
	CONDUIT BUSHED	
	CONDUIT CONCEALED IN FLOOR OR UNDERGROUND	
	CONDUIT EXPOSED	
3/4"MT	DENOTES EMPTY CONDUIT	

ABBREVIATIONS

A STANDARD LIST. NOT ALL WORDS APPEAR IN THESE DRAWINGS.

A or AMP	AMPERE	LTG	LIGHTING
A/E	ARCHITECT AND ENGINEER	MC	MECHANICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
AHU	AIR HANDLING UNIT	MCM	THOUSAND CIRCULAR MIL
AL	ALUMINUM	MTD	MOUNTED
AC	ABOVE COUNTER	NC	NORMALLY CLOSED
BUH	BLAST UNIT HEATER	NEC	NATIONAL ELECTRICAL CODE
COND or C	CONDUIT	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
CKT	CIRCUIT	NEUT	NEUTRAL
CLG	CEILING	NO	NORMALLY OPEN
CONN	CONNECTION	PB	PUSHBUTTON
CU	COPPER	PH	PHASE
CUH	CABINET UNIT HEATER	PNL	PANEL
DISC	DISCONNECT	PRV	POWER ROOF VENTILATOR
DN	DOWN	PVC	PLASTIC CONDUIT
EC	ELECTRICAL CONTRACTOR	REC or RECEPT	RECEPTACLE
EM	EMERGENCY	S/N	SOLID NEUTRAL
EQUIP	EQUIPMENT	SW	SWITCH
EWC	ELECTRIC WATER COOLER	TC	TEMPERATURE CONTROL
EXP	EXPLOSION PROOF	TEL	TELEPHONE
FA	FIRE ALARM	XFRMR	TRANSFORMER
FLA	FULL LOAD AMPERES	TYP	TYPICAL
FLUOR	FLUORESCENT	UG	UNDERGROUND
F	FUSE	UH	UNIT HEATER
GC	GENERAL CONTRACTOR	UV	UNIT VENTILATOR
GFI	GROUND FAULT INTERRUPTER	V	VOLT
G3D or GRND	GROUND	VA	VOLT AMPERES
GRS	GALVANIZED RIGID STEEL	W	WATT
HP	HORSEPOWER	WP	WEATHERPROOF
HTR	HEATER	W/O	WITHOUT
HZ	HERTZ	WTR	WATER
IC	INTERRUPTING CURRENT	Y	WYE CONNECTED
IMT	INTERMEDIATE METAL TUBING	△	DELTA CONNECTED
JB or J-BOX	JUNCTION BOX	Ø	PHASE
KV	KILOVOLT	WM	WIREMOLD RACEWAY
KVA	KILOVOLT AMPERES		
KW	KILOWATT		



FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"

NORTH

ELECTRICAL NOTES:

10. REMOVE EXISTING PANEL, PROVIDE NEW PANEL K, NEW PANEL SHALL BE 120/240 VOLT, SINGLE PHASE, 3 WIRE, 30 POLE, 100 AMP MAIN CIRCUIT BREAKER, 1-40 AMP - 2 POLE CIRCUIT BREAKERS, 2-30 AMP - 2 POLE CIRCUIT BREAKERS, 22-20 AMP - 1 POLE CIRCUIT BREAKERS. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS.
11. CONNECT TO 20 AMP, 1 POLE CIRCUIT BREAKER IN PANEL K.
12. REMOVE EXPOSED ABANDONED SERVICE CONDUIT AND CONDUCTORS, CAP CONDUIT AT GRADE.
13. DISCONNECT RECEPTACLES IN COUNTER, RECONNECT AFTER MECHANICAL WORK IS COMPLETE.

ELECTRICAL NOTES

1. CONNECT TO EXISTING UNSWITCHED RECEPTACLE CIRCUIT IN ROOM. PROVIDE SURFACE MOUNTED WIREMOLD TO MATCH EXISTING.
2. MOUNT J-BOX AT SAME ELEVATION AS UNIT, PROVIDE TRANSISTION FROM WIREMOLD TO EMT OR FLEX CONDUIT.
3. REMOVE EXISTING RECEPTACLE AND WIREMOLD AS SHOWN.
4. RELOCATE EXISTING RECEPTACLE TO NEW LOCATION AS SHOWN.
5. REMOVE EXISTING WIREMOLD AND REINSTALL AT NEW ELEVATION AS NOTED. RECONNECT TO EXISTING CIRCUIT. PROVIDE ADDITIONAL WIREMOLD RACEWAY AND ACCESSORIES AS REQUIRED. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR.
6. RELOCATE EXISTING LIGHT FIXTURE AS SHOWN. ELECTRICAL CONTRACTOR SHALL MODIFY EXISTING CEILING GRID AND EXTEND EXISTING CIRCUITING AS REQUIRED.
7. PROVIDE A CUSTOM PANELBOARD COVER WITH CUSTOM DEAD FRONT TYPE ENCLOSURE, METAL TRIM, HINGED STEEL DOOR, FLUSH LATCH AND LOCK, GRAY BAKED ENAMEL FINISH COAT, CIRCUIT DIRECTORY AND HOLDER WITH PLASTIC PROTECTION ON INSIDE OF DOOR, AND FULLY CONCEALED TRIM CLAMPS. CLEAN EXISTING RECESSED PANEL ENCLOSURE.
8. CONNECT TO EXISTING OFFICE PANEL VIA AIR CHASE. PROVIDE NEW 20 AMP, 1 POLE CIRCUIT BREAKER TO MATCH EXISTING TYPE. LABEL "FIRST FLOOR UNIVENTS."
9. ROUTE CONDUIT TIGHT TO PLASTER CEILING ABOVE SUSPENDED CEILING.

NOTE: WORK INVOLVED IN PHASE 3 CONSTRUCTION IS LIMITED TO AREA SHOWN WITHIN CLOUD UNLESS INDICATED OTHERWISE IN SPECIFICATION OR NOTES

I hereby certify that this plan, specification, or report was prepared by me, or under my direct supervision and that I am a duly Registered Professional Engineer, under the laws of the State of MINNESOTA

Date 1-19-88 Reg. No. 9112

KASSON ELEMENTARY SCHOOL
HEATING RENOVATION PHASE 3
KASSON, MINNESOTA

date:	1-9-88		
job no.	2979.6		
drawn	REG		
checked	GEW		

TSP Rochester

sheet: E2 of 3