

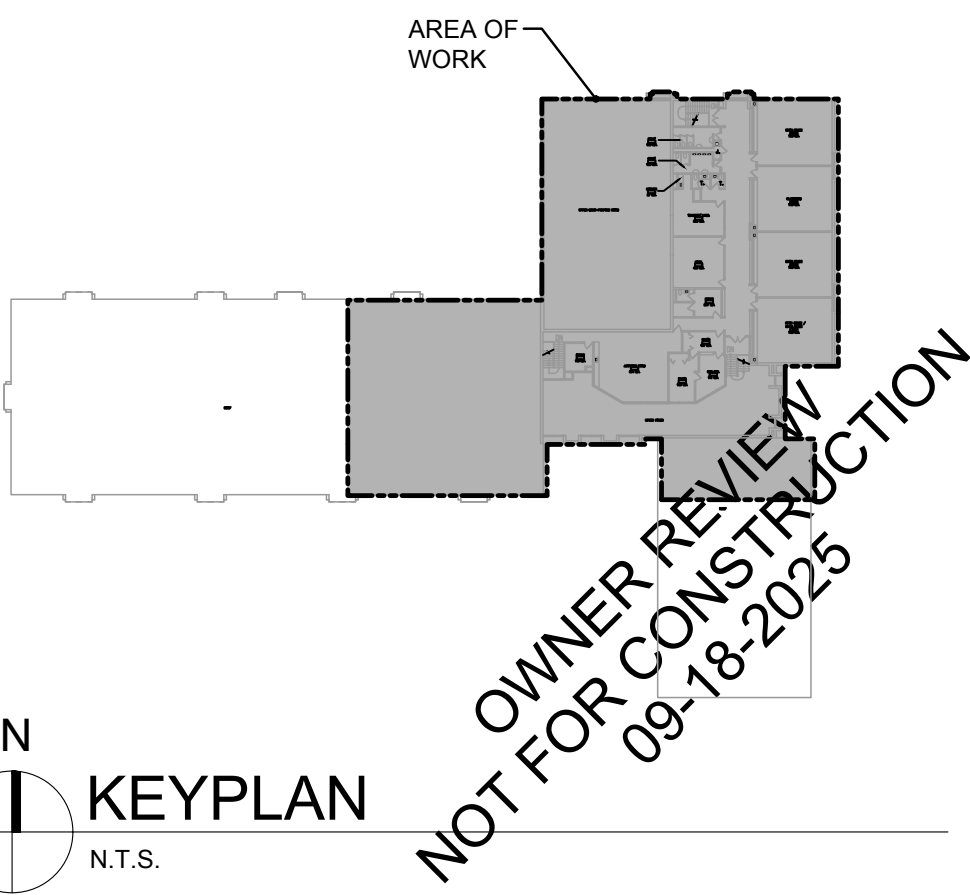


**1** SECOND FLOOR PLAN - ELECTRICAL - NEW WORK  
SCALE 1/8" = 1'-0"

- DRAWING NOTES:**
- UTILIZE EXISTING CIRCUIT THAT PREVIOUSLY SERVED EXISTING ROOF TOP UNIT TO FEED THE NEW ROOF TOP UNIT. INTERCEPT AND EXTEND WIRING AS REQUIRED. VERIFY IN FIELD.
  - PROVIDE ONE CO DUCT DETECTOR. MODEL NUMBERCO DUCT DETECTOR SL-701-KIT. MOUNT DETECTOR ON THE SUPPLY SIDE OF THE DUCT. CONNECT TO EXISTING SIMPLEX FIRE ALARM SYSTEM. VERIFY REQUIREMENTS AND INSTRUCTION RECOMMENDATIONS WITH THE MANUFACTURER. VERIFY EXACT LOCATION IN FIELD.
  - APPROXIMATE LOCATION OF NEW KEY OPERATED TEST SWITCH FOR NEW CO DUCT DETECTOR. VERIFY LOCATION IN FIELD.
  - PROVIDE (1) 120V, 15A, 1P. CIRCUIT FOR BI-POLAR IONIZATION DEVICE. PROVIDE (1) 120V, 15A, 1P. SAFETY SWITCH. VERIFY EXACT LOCATION IN FIELD.
  - CONNECT FACTORY BUILT-IN RECEPTACLE ON ROOF TOP UNIT TO NEAREST EXISTING GENERAL RECEPTACLE. INTERCEPT AND EXTEND WIRING AS REQUIRED. VERIFY EXACT LOCATION IN FIELD.

- GENERAL NOTES:**
- THE MINIMUM WIRE SIZE SHALL BE #12 AWG. THE CONTRACTOR SHALL PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH UNGROUNDED CONDUCTOR IN THE MULTI-WIRE BRANCH CIRCUIT.
  - THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS TO LIGHTING FIXTURES SHALL BE 3/4" C. 1/2" C. MAY BE ACCEPTABLE FOR BRANCH WIRING FOR SINGLE CIRCUITS ONLY. ALL LIGHTING BRANCH CIRCUITS SHALL TERMINATE AT 20A-1P CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS OTHERWISE NOTED. PROVIDE LOCK-ON CIRCUIT BREAKER DEVICES FOR ALL EMERGENCY LIGHTING CIRCUITS.
  - THE CONTRACTOR SHALL UPSIZE CONDUCTORS AND CONDUITS (OVER 75'-0" IN LENGTH) TO COMPENSATE FOR VOLTAGE DROP.
  - PROVIDE & INSTALL TAMPER PROOF RECEPTACLES IN ALL LOCATIONS, UNLESS NOTED OTHERWISE.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ASSIGNED CEILING WORK. THIS CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, RESTORE, CUT, PATCH, PAINT, ETC. ANY CEILING WORK NOT SHOWN ON ARCHITECTURAL DRAWINGS AS REQUIRED TO PERFORM THIS CONTRACTORS WORK.
  - THE CONTRACTOR SHALL VERIFY EXACT EQUIPMENT LOCATIONS, LOAD INFORMATION, VOLTAGE, AMPERAGE, CONNECTION TYPE ETC. WITH EQUIPMENT BEING SUPPLIED PRIOR TO ROUGH-IN.
  - ALL CIRCUIT NUMBERS ARE FOR COORDINATION PURPOSES ONLY. THE ELECTRICAL CONTRACTOR SHALL CIRCUIT ACCORDINGLY AS REQUIRED. VERIFY ALL SPARES AND SPACES IN EXISTING PANELS WHERE APPLICABLE. VERIFY CIRCUIT/PANEL LOADING PRIOR TO FINAL CONNECTIONS. ADJUST ALL AS REQUIRED PER FIELD CONDITIONS.
  - WHEREVER CIRCUIT CONDUCTORS ARE SPICED IN A BOX, ALL EQUIPMENT GROUNDING CONDUCTORS ASSOCIATED WITH THESE CIRCUITS MUST BE BONDED ("PIGTAILED") TO THE BOX.

**CEILING WORK NOTE:**  
REFER TO MECHANICAL PLANS FOR CEILING WORK IN CONTRACT TO BE PERFORMED BY OTHER TRADES. THIS CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE, RESTORE, CUT, PATCH, PAINT, ETC. ANY CEILING WORK NOT SHOWN ON MECHANICAL PLANS AS REQUIRED TO PERFORM THIS CONTRACTORS WORK. THIS INCLUDES REMOVAL AND REPLACEMENT OF LIGHTS, SPEAKERS, SMOKE DETECTORS, ETC., AS WELL AS REPLACEMENT OF ANY CEILING TRACK & TILES DAMAGED DURING CONSTRUCTION/DEMOLITION. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO DOCUMENT ANY DAMAGED CEILING TILES OR COMPONENTS PRIOR TO CONSTRUCTION/DEMOLITION. THIS CONTRACTOR RESPONSIBLE FOR ALL ASSOCIATED COSTS. CONTRACTOR SHALL PROVIDE ACCESS PANELS AS REQUIRED.



| Revisions      |
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**CS2 DESIGN GROUP LLC**  
837 Oakton Street  
Elk Grove, IL 60007  
Tel: 847-981-1880  
Fax: 847-981-1885  
www.cs2designgroup.com

**MURPHY ELEMENTARY  
SCHOOL SECOND FLOOR  
ELECTRICAL PLAN**

**2025 HVAC UPGRADES**  
Murphy Elementary School, 220 Greenwood Dr, Round Lake Park, IL 60073  
Round Lake Middle School, 2000 N Lotus Dr, Round Lake Heights, IL 60073  
**ROUND LAKE CUSD 116**  
510 N. CEDAR LAKE ROAD  
ROUND LAKE, IL 60073

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