

| LIGHT FIXTURE SCHEDULE |        |  |              |                                 |
|------------------------|--------|--|--------------|---------------------------------|
| TYPE                   | SYMBOL | DESCRIPTION  | MANUFACTURER | REFERENCE CATALOG #             |
| A                      |        | 2X4 LED RECESSED TROFFER. 40W, 4900 LUMENS, 3500K CCT. 0-10V DIMMING.  | COLUMBIA     | LCAT24 35 ML G ED U             |
| AE                     |        | 2X4 LED RECESSED TROFFER. 40W, 4900 LUMENS, 3500K CCT. 0-10V DIMMING, 90 MIN BATTERY BACKUP.                               | COLUMBIA     | LCAT24 35 ML G ED U ELL14ST     |
| B                      |        | 4' LED SURFACE MOUNTED LED FIXTURE. 40W, 5000 LUMENS, 3500K CCT. 0-10V DIMMING, DAMP LOCATION.                             | COLUMBIA     | RLW4 35 ML FAW ED U             |
| BE                     |        | 4' LED SURFACE MOUNTED LED FIXTURE. 40W, 5000 LUMENS, 3500K CCT. 0-10V DIMMING, DAMP LOCATION. 90 MIN BATTERY BACKUP.      | COLUMBIA     | RLW4 35 ML FAW ED U ELL14       |
| C                      |        | 6\"/>  | LITON        | CH618 ICA UED10 CR6L22 XX T35   |
| CE                     |        | 6\"/>  | LITON        | CH618 ICA UED10EM CR6L22 XX T35 |
| D                      |        | 2' LED STRIP FIXTURE. 18W, 2200 LUMENS, 3500K CCT. WALL MOUNTED, 0-10V DIMMING.  | COLUMBIA     | MPS2 35 MW CW ED U XX           |
| EX                     |        | LED EXIT SIGN. STAINLESS STEEL FACE WITH RED LETTERS, UNIVERSAL FACE AND MOUNTING, SELF-DIAGNOSTIC, 90 MIN BATTERY BACKUP. | COMPASS      | CCESRE/COEDRE                   |
| S                      |        | 4' LED STRIP FIXTURE. 38W, 4800 LUMENS, 3500K CCT. SUSPENDED MOUNTING, 0-10V DIMMING.                                      | COLUMBIA     | MPS4 35 ML CPW ED U             |
| SE                     |        | 4' LED STRIP FIXTURE. 38W, 4800 LUMENS, 3500K CCT. SUSPENDED MOUNTING, 0-10V DIMMING. 90 MIN BATTERY BACKUP.               | COLUMBIA     | MPS4 35 ML CPW ED U ELL14       |
| W                      |        | EXTERIOR LED WALL PACK. 45W, 5700 LUMENS, 4000K CCT. WET LOCATION, 90 MIN BATTERY BACKUP.                                  | HUBBELL      | RWL1 48L 35 4K7 3 UNV XX E      |

GENERAL NOTES:  
EQUIVALENT ALTERNATE LIGHT FIXTURES MAY BE PROVIDED FOR BIDDING PURPOSES. THE ENGINEER DOES NOT TAKE RESPONSIBILITY FOR ENSURING ALTERNATE LIGHT FIXTURES USED FOR BIDDING ARE EQUAL; THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALTERNATE FIXTURES ARE EQUIVALENT TO THOSE SPECIFIED PRIOR TO BID. THE WINNING BID PACKAGE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW IN ACCORDANCE WITH THE SPECIFICATIONS.

| ELECTRICAL LEGEND |                                    |
|-------------------|------------------------------------|
|                   | PANEL BOARD                        |
|                   | DISTRIBUTION PANEL BOARD           |
|                   | TRANSFORMER                        |
|                   | UTILITY METER                      |
|                   | SEPARATE CIRCUIT BREAKER           |
|                   | DISCONNECT                         |
|                   | FUSED DISCONNECT SWITCH            |
|                   | EMERGENCY FUSED DISCONNECT SWITCH  |
|                   | MOTOR STARTER/CONTRACTOR           |
|                   | COMBINATION MOTOR STARTER          |
|                   | PUSH BUTTON STATION AS NOTED       |
|                   | PULL BOX, SIZE AS REQUIRED BY CODE |
|                   | ELECTRICAL CONNECTION              |
|                   | MOTOR CONNECTION                   |
|                   | HOME RUN TO PANEL BOARD            |

| SWITCH LEGEND |                                      |
|---------------|--------------------------------------|
| SYMBOL        | DESCRIPTION                          |
|               | 20A, 120/277V SPST SWITCH            |
|               | 20A, 120/277V LETTER INDICATES GROUP |
|               | 20A, 120/277V 3-WAY                  |
|               | 20A, 120/277V 4-WAY                  |
|               | DIMMER SWITCH                        |
|               | KEY OPERATED SWITCH                  |
|               | OCCUPANCY SENSOR SWITCH              |

GENERAL NOTE:  
SEE SPECIFICATIONS FOR MANUFACTURERS

| OCC SENSOR SCHEDULE |   |
|---------------------|---|
| SYMBOL              | DESCRIPTION   |
|                     | MULTI-TECHNOLOGY, CEILING MOUNTED OCCUPANCY SENSOR CAPABLE OF DISABLING AUTO ADAPTING FEATURE. PROVIDE WITH RELAY/POWER PACKS AS REQUIRED PER PLAN. (LOW VOLTAGE) |

- GENERAL NOTES:
- E.C. SHALL CONTACT ARCHITECT FOR COLOR SELECTION PRIOR TO ORDER OF ANY SENSOR.
  - FOR CEILING SPACES 14 FT. A.F.F. PIR TYPE CEILING MOUNTED SENSORS SHALL BE USED.
  - WALL MOUNTED DEVICES TO MATCH MANUAL LIGHTING CONTROL.

| GENERAL ELECTRICAL NOTES |   |
|--------------------------|---|
| 1.                       | CONTRACTOR TO VERIFY EXISTING ELECTRICAL CONDITIONS AND NOTIFY ARCHITECT/ENGINEER OF ANY ELECTRICAL OR CODE ISSUES PRIOR TO BID. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL CODE COMPLIANT SYSTEM.  |
| 2.                       | ALL WORK SHALL BE IN CONFORMANCE WITH NATIONAL, STATE, AND LOCAL CODES AND/OR ORDINANCES.   |
| 3.                       | ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS & LOCAL UTILITY. E.C. SHALL CONTACT LOCAL UTILITY FOR EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO TRANSFORMER, METERING AND CABLING. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS.  |
| 4.                       | SEE ARCHITECTURAL, MECHANICAL, & PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.   |
| 5.                       | WHERE NEW OR EXISTING WIRING FOR INTERIOR DATA OR POWER WILL BE EXPOSED, SURFACE MOUNTED RACEWAY EQUAL TO WIREMOLD SERIES 5400 SHALL BE USED. SURFACE BOXES SHALL MATCH SURFACE RACEWAY. ALL PARTS AND ACCESSORIES SHALL BE INSTALLED FOR A COMPLETE SYSTEM. WHERE BOTH DATA AND POWER WIRING SHARE THE SAME RACEWAY, POWER WIRING SHALL BE SEPARATED FROM DATA WIRING AS PER NEC.  |
| 6.                       | ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO GIVE APPROXIMATE LOCATIONS AND OVERALL DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTS, MATERIALS, AND ELECTRICAL METHODS WHICH HAVE NOT BEEN SHOWN OR INDICATED BUT ARE REQUIRED FOR A COMPLETE SYSTEM TO THE STANDARDS OF THE INDUSTRY.  |
| 7.                       | INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTING DEVICES FOR ADEQUATE SUPPORT OF FIXTURES FROM STRUCTURE.  |
| 8.                       | UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED.   |
| 9.                       | ELECTRICAL RACEWAYS THAT PENETRATE FIRE RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED AS PER THE LOCAL BUILDING CODE.  |
| 10.                      | THE ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY ELECTRICAL SYSTEM FOR THE PROJECT. AT LEAST ONE 120 VOLT SINGLE PHASE RECEPTACLE SHALL BE PROVIDED FOR EACH 500 SQUARE FEET OF FLOOR SPACE. SUFFICIENT TEMPORARY LIGHTING SHALL BE PROVIDED TO ALLOW ALL CONTRACTORS TO COMPLETE THEIR WORK. TEMPORARY ELECTRICAL CIRCUITS SHALL BE EQUIPPED WITH COMBINATION GROUND FAULT INTERRUPTER AND CIRCUIT BREAKER PER NEC. TEMPORARY ELECTRICAL SYSTEM SHALL BE INCLUDED IN THIS BID. USAGE CHARGES SHALL BE PAID FOR BY THE GENERAL CONTRACTOR. |

| ELECTRICAL ABBREVIATIONS |                             |       |                          |
|--------------------------|-----------------------------|-------|--------------------------|
| AC                       | ABOVE COUNTERTOP            | MC    | MECHANICAL CONTRACTOR    |
| AFF                      | ABOVE FINISH FLOOR          | MCA   | MINIMUM CIRCUIT AMPS     |
| AFG                      | ABOVE FINISH GRADE          | MDP   | MAIN DISTRIBUTION PANEL  |
| ANNC                     | ANNUNCIATOR                 | MTD   | MOUNTED                  |
| CC                       | CONTROLS CONTRACTOR         | NIC   | NOT IN CONTRACT          |
| DF                       | DRINKING FOUNTAIN           | OCC   | OCCUPANCY                |
| EC                       | ELECTRICAL CONTRACTOR       | PC    | PLUMBING CONTRACTOR      |
| EF                       | EXHAUST FAN                 | PNL   | PANEL                    |
| EX                       | EXISTING                    | SPST  | SINGLE POLE SINGLE THROW |
| EXR                      | EXISTING RELOCATED          | TTB   | TELEPHONE TERMINAL BOARD |
| GC                       | GENERAL CONTRACTOR          | TYP   | TYPICAL                  |
| GFI                      | GROUND FAULT INTERRUPT      | WG    | WIRE GUARD               |
| HP                       | HORSEPOWER                  | WP    | WEATHER PROOF            |
| IBC                      | INTERNATIONAL BUILDING CODE | 20A   | 20 AMP                   |
| IG                       | ISOLATED GROUND             | ø     | PHASE                    |
| LV                       | LOW VOLTAGE                 | 3W    | 3 WIRE                   |
| LVRP                     | LV RELAY PANEL              | 1P20A | SINGLE POLE 20 AMP       |

| ELECTRICAL SHEET INDEX |                                    |
|------------------------|------------------------------------|
| E000                   | ELECTRICAL TITLE SHEET             |
| E001                   | ELECTRICAL SITE PLAN               |
| E101                   | ELECTRICAL LIGHTING PLAN           |
| E201                   | ELECTRICAL POWER PLAN              |
| E202                   | ELECTRICAL POWER PLAN - ROOF       |
| E401                   | ELECTRICAL ONE-LINE DIAGRAM - DEMO |
| E402                   | ELECTRICAL ONE-LINE DIAGRAM - NEW  |
| E501                   | ELECTRICAL DETAILS SHEET           |
| E601                   | ELECTRICAL SCHEDULES               |

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KFC ENGINEERING  
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SALAS O'BRIEN  
MECHANICAL /ELECTRICAL



DW  
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SEPTEMBER 2021  
date

revisions

MOORE PUBLIC SCHOOLS  
BOARD OF EDUCATION  
MOORE, OKLAHOMA



CLASSROOM ADDITION  
HIGHLAND EAST  
JUNIOR HIGH SCHOOL

sheet no:

**E000**

**SALAS O'BRIEN**  
[expect a difference]

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Salas O'Brien Project No.: 2021-02035-00

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