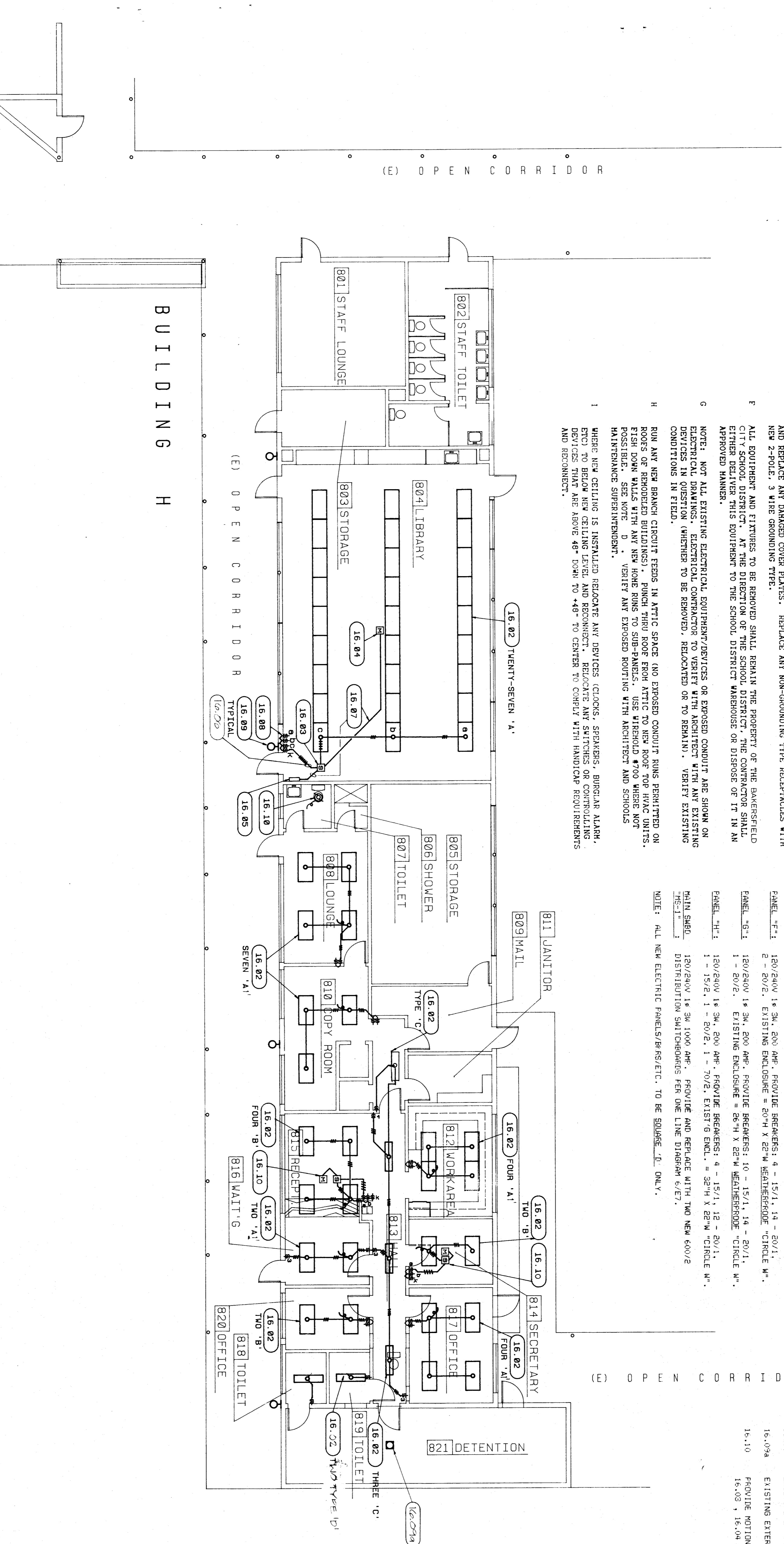
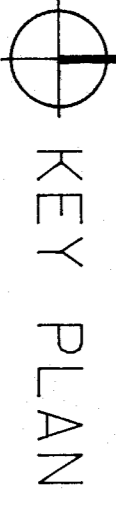


# LIGHTING FLOOR PLAN - BLDG H

1/8" = 1'-0"



- GENERAL NOTES (TYPICAL AT ALL ROOMS INVOLVED IN RECONSTRUCTION):
- SEE MECHANICAL AND BUILDING DRAWINGS FOR EXACT LOCATIONS OF ALL HVAC AND BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AND LOCATIONS OF THERMOSTATS, BY-PASS THERMS, THE CLOCKS, ALL LINE & LOW VOLTAGE CONDUIT AND WIRING FOR MECHANICAL EQUIPMENT CONTROLS IS TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR U.O.N. VERIFY ALL REQUIREMENTS WITH MECHANICAL DRAWING OR MECHANICAL CONTRACTOR.
  - REMOVE ANY EXISTING DEVICES (RECEPTACLES, FIRE ALARM, BURGULAR ALARM, SWITCHES, PULLBOUNDS, ETC.) WHICH INTERFERES WITH THE INSTALLATION OF NEW FINISH MATERIALS AND/OR WALLS REQUIRING PAINTING. REINSTALL AND RECONNECT ALL ITEMS WHICH NEW FINISH IS COMPLETED. PROVIDE EXTENSION RIMS FOR ALL RECEPTACLES TO COMPLY WITH N.E.C. 370-10. SEE ARCHITECTURAL DRAWING FOR WALL TREATMENT SCHEDULES.
  - REMOVE ALL ELECTRICAL DEVICES IN WALLS BEING REMOVED. RE-RUN AND RECONNECT ANY FEED-THRU CIRCUITS. PULL OUT ANY IDE WIRE AND NOT SHOWN ON ELECTRICAL DRAWINGS. REUSE IDE CIRCUITS FOR NEW PULLS/AIRTS WHERE APPLICABLE. WHERE AN ELECTRICAL DEVICE IS REMOVED FROM A WALL THAT REMAINS, PULL OUT ANY IDE WIRE AND BLANK OFF BOX.
  - FLUSH MOUNT ANY EXISTING SURFACE MOUNTED DEVICES THAT ARE TO REMAIN. RELOCATE ANY SURFACE CONDUIT AND CONCEAL INTO EXISTING STUD WALLS. REPAIR ALL EXISTING CONDITIONS TO ORIGINAL CONDITION. REPAIR ALL EXISTING STUD WALLS AND WALLS THEM COMPATIBLE WITH NEW SURFACE PAPER, PAINT TO MATCH ADJACENT SURFACE. PATCH AND REPAIR WALL WHERE BROKEN INTO TO HATCH EXISTING WHERE NEW WALL BOARD NOT BEING INSTALLED. THIS ALSO APPLIES TO NEW DEVICES THAT ARE TO BE PROVIDED AT EXISTING WALLS. VERIFY ANY EXPOSED RIMS WITH ARCHITECT.
  - WHERE AN EXISTING CONVENIENCE OUTLET OR SWITCH IS SHOWN TO REMAIN, PROVIDE NEW DEVICE AND REPLACE ANY DAMAGED COVER PLATES. REPLACE ANY NON-GROUNDING TYPE RECEPTACLES WITH NEW 2-POLE, 3 WIRE GROUNDING TYPE.
  - ALL EQUIPMENT AND FIXTURES TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE BAKERSFIELD CITY SCHOOL DISTRICT. AT THE DISCRETION OF THE SCHOOL DISTRICT, THE CONTRACTOR SHALL EITHER DELIVER THIS EQUIPMENT TO THE SCHOOL DISTRICT WAREHOUSE OR DISPOSE OF IT IN AN APPROVED MANNER.
  - NOTE: NOT ALL EXISTING ELECTRICAL EQUIPMENT/DEVICES OR EXPOSED CONDUIT ARE SHOWN ON ELECTRICAL DRAWINGS. ELECTRICAL CONTRACTOR TO VERIFY WITH ARCHITECT WITH ANY EXISTING DEVICES IN QUESTION (WHETHER TO BE REMOVED, RELOCATED OR TO REMAIN). VERIFY EXISTING CONDITIONS IN FIELD.
  - RUN ANY NEW BRANCH CIRCUIT FEEDS IN ATTIC SPACE (NO EXPOSED CONDUIT RIMS PERMITTED ON ROOFS OF REMODELED BUILDINGS) - PUNCH THRU ROOF FROM ATTIC TO NEW ROOF TOP HVAC UNITS. FISH DOWN WALLS WITH ANY NEW HOME RIMS TO SUB-PANELS. USE WIREHOLD #700 WHERE NOT POSSIBLE. SEE NOTE D. VERIFY ANY EXPOSED ROUTING WITH ARCHITECT AND SCHOOLS MAINTENANCE SUPERINTENDENT.
  - WHERE NEW CEILING IS INSTALLED RELOCATE ANY DEVICES (CLOCKS, SPEAKERS, BURGULAR ALARM, ETC.) TO BELOW NEW CEILING LEVEL AND RECONNECT. RELOCATE ANY SWITCHES OR CONTROLLING DEVICES THAT ARE ABOVE 48" DOWN TO 48" TO CENTER TO COMPLY WITH HANDICAP REQUIREMENTS AND RECONNECT.

- PANEL RELOCATION SCHEDULE
- REPLACE EXISTING PANELS, INTERIOR, INCLUDING ALL PHASE, NEUTRAL AND GND BUSES, C17 BINS AND COVER, AND ALL RELATED MOUNTING ASSEMBLY AND HARDWARES. ALL NEW BUSES, BREAKERS, FUSES AND QUANTITY SHALL MATCH EXISTING U.O.N. EXISTING ENCLOSURE AND DOOR SHALL BE REUSED U.O.N. RECONNECT ALL EXISTING FEEDERS AND BRANCH CTS. CONTRACTOR OPTION TO PROVIDE COMPLETE NEW PANEL. CUT AND PATCH EXISTING WALL AREA AS REQUIRED FOR INSTALLATION OF NEW PANEL. ALL PANELS ARE FLUSH MOUNTED U.O.N. - PROVIDE NEW CIRCUIT DIRECTORY AND LABEL ALL UNUSED BREAKERS AS SPARES. EACH PANEL TO HAVE MINIMUM OF 5 SPARE BREAKER SPACES.
- FANL "A": 120/240V 1# 3M, 100 AMP. PROVIDE BREAKERS: 5 - 15/1, 10 - 20/1, 3 - 20/2, 1 - 40/2. EXIST. ENCLOSURE = 24" X 22" W. "CIRCLE W".
- FANL "A2": 120/240V 1# 3M, 200 AMP. PROVIDE BREAKERS: 5 - 20/1 TO BE CONTROLLED VIA 5-POLE 40 AMP LIGHTING CONTRACTOR, 9 - 15/1, 10 - 20/1, 1 - 50/3. EXISTING ENCLOSURE = 24" X 21.5" W. "WESTINGHOUSE".
- FANL "B": 120/240V 1# 3M, 100 AMP. PROVIDE BREAKERS: 16 - 20/1, 5 - 20/2 EXISTING ENCLOSURE = 24" X 22" W. WEATHERPROOF "CIRCLE W".
- FANL "C": 120/240V 1# 3M, 200 AMP. PROVIDE BREAKERS: 4 - 15/1, 16-20/1 EXISTING ENCLOSURE = 24" X 22" W. WEATHERPROOF "CIRCLE W".
- FANL "D": 120/240V 1# 3M, 200 AMP. PROVIDE BREAKERS: 4 - 15/1, 16 - 20/1. EXISTING ENCLOSURE = 24" X 22" W. WEATHERPROOF "CIRCLE W".
- FANL "E": 120/240V 1# 3M, 200 AMP. PROVIDE BREAKERS: 4 - 15/1, 14 - 20/1, 2 - 20/2, 1 - 40/2, 1 - 60/2. EXISTING ENCLOSURE = 24" X 22" W. WEATHERPROOF "CIRCLE W".
- FANL "F": 120/240V 1# 3M, 200 AMP. PROVIDE BREAKERS: 4 - 15/1, 14 - 20/1, 2 - 20/2. EXISTING ENCLOSURE = 24" X 22" W. WEATHERPROOF "CIRCLE W".
- FANL "G": 120/240V 1# 3M, 200 AMP. PROVIDE BREAKERS: 10 - 15/1, 14 - 20/1, 1 - 20/2. EXISTING ENCLOSURE = 24" X 22" W. WEATHERPROOF "CIRCLE W".
- FANL "H": 120/240V 1# 3M, 200 AMP. PROVIDE BREAKERS: 4 - 15/1, 12 - 20/1, 1 - 15/2, 1 - 20/2, 1 - 70/2. EXIST. ENCL. = 24" X 22" W. "CIRCLE W".
- MAIN SMD: 120/240V 1# 3M, 1000 AMP. PROVIDE AND REPLACE WITH TWO NEW 600/2 DISTRIBUTION SWITCHBOARDS PER ONE LINE DIAGRAM 6/27.
- NOTE: ALL NEW ELECTRIC PANELS/BINS/ETC. TO BE SQUARE "D" ONLY.

- LIGHTING FLOOR PLAN - BLDG H REMARKS
- NOT USED.
  - REMOVE ALL EXISTING FIXTURES IN THIS ROOM U.O.N. REUSE EXISTING CIRCUIT(S) FOR NEW FIXTURES. PULL OUT ANY IDE WIRE. INSTALL NEW FIXTURES (TYPE AND QUANTITY AS SHOWN).
  - SWITCHBOX FOR MOTION SENSOR CONTROL. IN ATTIC SPACE WIRE PER DETAIL 3-E27.
  - MOTION SENSOR ON BOTTOM OF CEILING. 180°, 2,000 SQUARE FEET COVERAGE. WIRE PER DETAIL 3-E27.
  - HOMERUN LIGHTING CONTROLS, TWO CONTROL MODULES AND TWO OUTPUT MODULES. ONE PAIR FOR "A" SWITCHED FIXTURES, ONE PAIR FOR "C" SWITCHED FIXTURES. TOP SWITCHED FIXTURES ARE NOT DIMMED. MOUNT MODULES TOGETHER ON WALL WITH TOP 6" BELOW CEILING. WIRE PER DETAIL 3-E27.
  - REMOVE EXISTING CONDUIT FROM SWITCH BOX TO ATTIC FOR NEW SWITCH WIRING. PROVIDE ADDITIONAL CONDUIT TO NEW SWITCH BOX AS REQUIRED FOR WIRING NOT ABLE TO FIT IN EXISTING CONDUIT.
  - 3/4" C + LIGHTING CONTROL WIRING PER DETAIL 3-E27, 4-E27.
  - REPLACE THREE EXISTING SWITCHES WITH THREE NEW SWITCHES, AND ONE NEW KEY SWITCH. REPLACE EXISTING GANG BOX WITH 4 GANG (FLUSH) OR PROVIDE NEW ADJACENT SURFACE BOX FOR SWITCHES) WITH CONCEALED FEED TO EXISTING NEW (CONDUIT OR OPTION). REUSE EXISTING CONDUIT TO ATTIC FOR NEW WIRING TO NEW FIXTURES PER NOTE 16-08. SEE DETAIL 3-E27.
  - EXISTING EXTERIOR WALL FIXTURE TO REMAIN.
  - EXISTING EXTERIOR FLUSH FIXTURE TO REMAIN.
  - PROVIDE MOTION SENSOR CONTROL FOR FIXTURES IN THIS ROOM SIMILAR PER NOTES 16-03, 16-04.

CORNELIUS ENGINEERING, INC.  
Consulting Electrical Engineer  
718 W. Fourth St., Suite 201  
Bakersfield, California 93311  
Grand Central, Calif. No. 7198

pechin associates architects aia  
1400 easton drive bakersfield, ca 93309 suite 138 (805) 322-2021

Starrew C. Pechin C-8366

APPROVED  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_

Bessie E. Owens Elementary School Modernization  
Bakersfield City School District

DATE	ISSUE FOR
DATE	REVISION

THESE DRAWINGS, RELATED SPECIFICATIONS, IDEAS, DESIGNS, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT; AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THAT SPECIFICALLY PROVIDED FOR IN THE CONTRACT. ANY OTHER USE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT, VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS; CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THOSE DRAWINGS.

DETAILED SHOP DRAWINGS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH THE FABRICATION OF ANY PRODUCT TO BE INCLUDED IN THIS PROJECT.