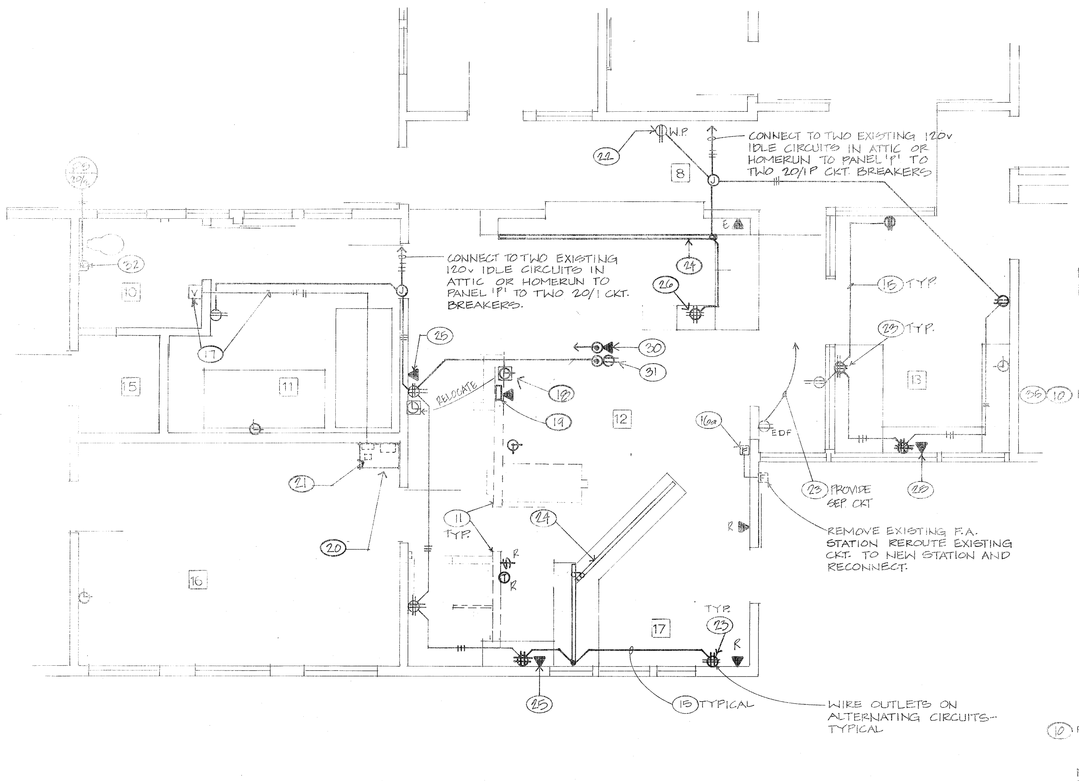


ENLARGED PARTIAL ELECTRICAL PLAN – UNIT "A"

SCALE: 1/4" = 1' - 0"

GENERAL NOTES (TYPICAL AT ALL ROOMS OF BUILDING INVOLVED IN RECONSTRUCTION):

A SEE MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS OF ALL HVAC AND PLUMBING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AND LOCATIONS OF THERMOSTATS, BY-PASS TIMERS, TIME 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 AND MECHANICAL CONTRACTOR.

B REMOVE ANY EXISTING DEVICES (RECEPTACLES, FIRE ALARM, BURGLAR ALARM, SWITCHES, FLUSHOLD, ETC.) WHICH INTERFERES WITH THE INSTALLATION OF NEW FINISH MATERIALS AND/OR WALLS REQUIRING PAINTING. REINSTALLED AND RECONNECT ALL ITEMS WHEN NEW FINISH IS COMPLETED. PROVIDE EXTENSION RINGS AS REQUIRED FOR EXISTING FLUSH DEVICES TO COMPLY WITH N.E.C. 370-19. SEE ARCHITECTURAL DRAWING FOR WALL TREATMENT SCHEDULES.

C REMOVE ALL ELECTRICAL DEVICES IN WALLS BEING REMOVED. RE-ROUTE AND RECONNECT ANY FEED-THRU CIRCUITS. PULL OUT ANY IDLE WIRE AND REMOVE ANY IDLE EXPOSED CONDUIT. SEE ARCHITECTURAL DRAWING FOR WALLS BEING REMOVED NOT SHOWN ON ELECTRICAL DRAWINGS. REUSE IDLE CIRCUITS FOR NEW PLUGS/LIGHTS WHERE APPLICABLE. WHERE AN ELECTRICAL DEVICE IS REMOVED FROM A WALL THAT REMAINS, PULL OUT ANY IDLE WIRE AND BLANK OFF BOX.

D FLUSH MOUNT ANY EXISTING SURFACE MOUNTED DEVICES THAT ARE TO REMAIN. RELOCATE ANY SURFACE CONDUIT AND CONCEALED INTO EXISTING STUD WALL. IF MASONRY WALL OR IF EXISTING CONDITIONS DO NOT PERMIT EXISTING SURFACE DEVICE/CONDUIT TO BE FLUSHED INTO WALL, THEN REPLACE CONDUIT WITH SURFACE RACEWAY (WIREMOLD #700) AND REPLACE BOX WITH SURFACE BOX COMPATIBLE WITH NEW SURFACE RACEWAY. PAINT TO MATCH ADJACENT SURFACE. PATCH AND REPAIR WALL WHERE BROKEN INTO TO MATCH 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 RUNS WITH ARCHITECT.

E 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, 2 WIRE GROUNDING TYPE.

F ALL EQUIPMENT AND FIXTURES TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE BAKERSFIELD CITY SCHOOL DISTRICT. AT THE DIRECTION OF THE SCHOOL DISTRICT, THE CONTRACTOR SHALL EITHER DELIVER THIS EQUIPMENT TO THE SCHOOL DISTRICT WAREHOUSE OR DISPOSE OF IT IN AN APPROVED MANNER.

G 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 NOT SHOWN ON ELECTRICAL PLANS (WHETHER TO BE REMOVED, RELOCATED OR TO REMAIN). VERIFY EXISTING CONDITIONS IN FIELD.

H RUN ANY NEW BRANCH CIRCUIT FEEDS IN ATTIC SPACE OR NEW WALL SPACE (NO EXPOSED CONDUIT RUNS PERMITTED ON ROOFS OF REMODELED BUILDINGS). PUNCH THRU ROOF FROM ATTIC TO NEW ROOF TOP HVAC UNITS. FISH DOWN WALLS WITH ANY NEW HOME RUNS TO SUB-PANELS. USE WIREMOLD #700 WHERE NOT POSSIBLE. SEE NOTE #D . VERIFY ANY EXPOSED ROUTING WITH ARCHITECT AND SCHOOLS MAINTENANCE SUPERINTENDENT.

I WHERE NEW CEILING IS INSTALLED RELOCATE ANY DEVICES (CLOCKS, SPEAKERS, BURGLAR ALARM, ETC) TO BELOW NEW CEILING LEVEL AND RECONNECT. RELOCATE ANY SWITCHES OR CONTROLLING DEVICES THAT ARE ABOVE 42" DOWN TO 42" TO CENTER TO COMPLY WITH HANDICAP REQUIREMENTS AND RECONNECT.

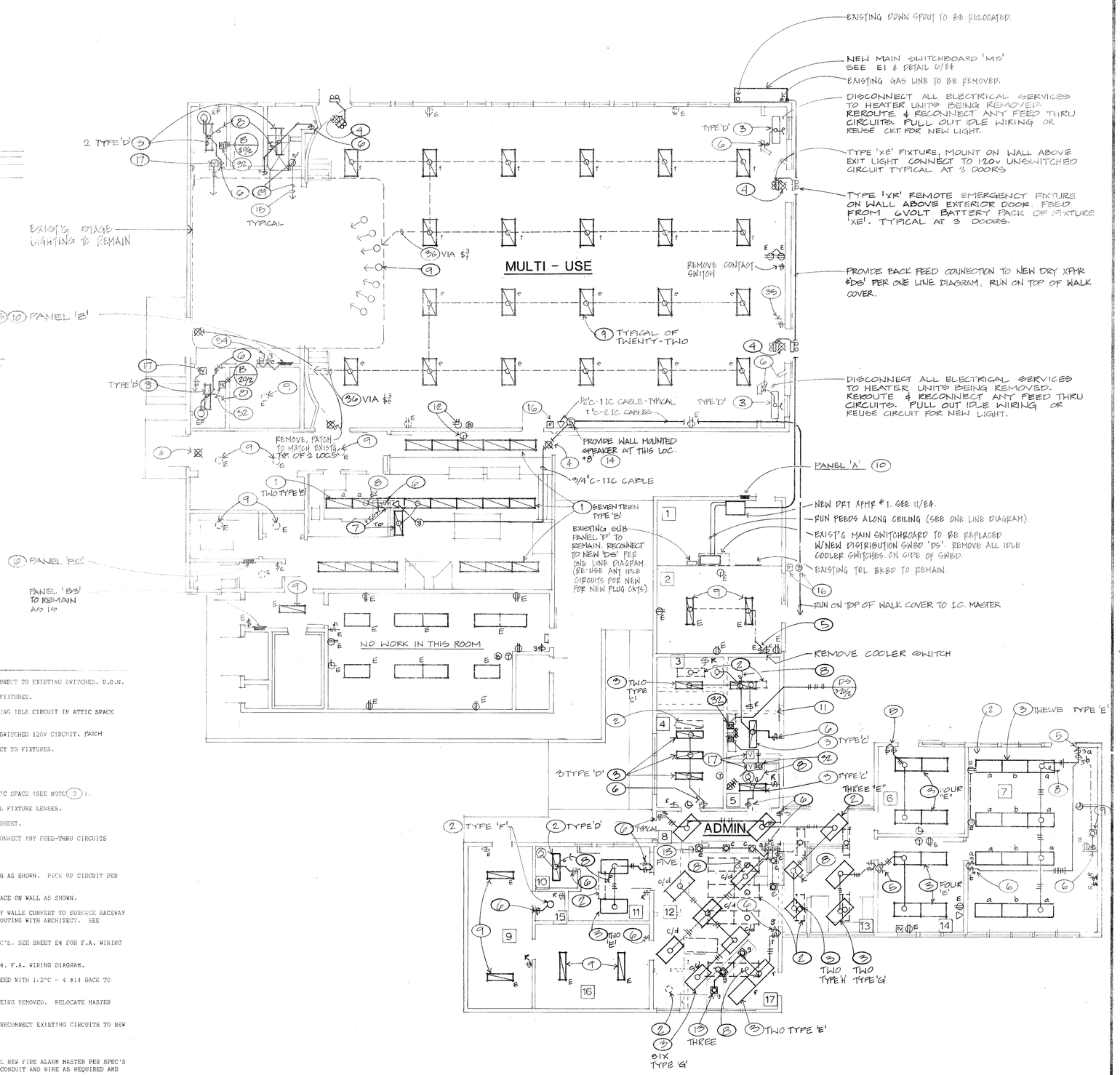
PANEL REPLACEMENT SCHEDULE

REPLACE EXISTING SUB-PANELS WITH NEW "SQUARE D" OR "G.E." PANELBOARDS. ALL PANELS TO BE FLUSH MOUNTED WITH BOLT-ON BREAKER. U.O.N. CUT AND PATCH EXISTING WALL AREA FOR INSTALLATION OF NEW PANEL. FACE OF PANEL TO BE FLUSH WITH ANY NEW WALL COVERING. RECONNECT ALL EXISTING FEEDERS AND BRANCH CIRCUITS TO SAME SIZE CIRCUIT BREAKERS AS PREVIOUSLY CONNECTED IN EXISTING PANEL. SEE REVISED ONE LINE DIAGRAM FOR MAIN FEEDER SIZES. ALL NEW PANELS TO HAVE MAIN BREAKER U.O.N. PROVIDE NEW CIRCUIT DIRECTORY AND LABEL ALL UNUSED BREAKERS AS SPARES. PROVIDE BAKELITE NAMEPLATE DESIGNATING PANEL NUMBER.

PANEL "B":	120/208V 3ø 4W, 100 AMP. PROVIDE BREAKERS: 38 - 20/1, 2 - 20/2, 100/3 MAIN.
PANEL "B2":	120/208V 3ø 4W, 125 AMP. PROVIDE BREAKERS: 4 - 20/1, 2 - 20/2 SURFACE MOUNT.
PANEL "B3":	TO REMAIN AS IS. PROVIDE NAMEPLATE.
PANEL "C":	120/208V 3ø 4W, 100 AMP. PROVIDE BREAKERS: 24 - 15/1 AND 90/3 MAIN.
PANEL "D":	120/208V 3ø 4W, 225 AMP. PROVIDE BREAKERS: 36 - 20/1, 3 - 20/2, 125/3 MAIN. WEATHERPROOF.
PANEL "E":	120/208V 3ø 4W, 225 AMP. PROVIDE BREAKERS: 36 - 20/1, 3 - 20/2 AND 125/3 MAIN. WEATHERPROOF.
PANEL "F":	120/208V 3ø 4W, 225 AMP. PROVIDE BREAKERS: 32 - 20/1, 5 - 20/2 AND 150/3 MAIN. WEATHERPROOF.
PANEL "A":	120/208V 1ø 3W, 100 AMP. PROVIDE BREAKERS: 22 - 20/1, WEATHERPROOF.
(E) MAIN SWBD 'DS':	TO BE REPLACED WITH NEW DISTRIBUTION 'DS' SWBD. 120/208V 3ø 4W 400 AMP. REFER TO POWER ONE LINE DIAGRAM FOR BREAKER INFO.

ELECTRICAL NOTES LEGEND: (SHEET E-2)

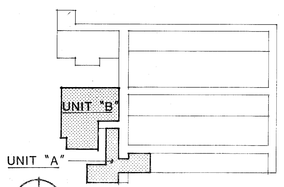
1. REPLACE EXISTING LIGHTING WITH NEW TYPE NOTED AT SAME LOCATION AND RECONNECT TO EXISTING SWITCHES. U.O.N.
2. REMOVE EXISTING FIXTURES IN THIS ROOM. REUSE EXISTING CIRCUIT FOR NEW FIXTURES.
3. PROVIDE NEW FIXTURE(S) AND CONNECT TO SWITCHES AS SHOWN. PICK UP EXISTING IDLE CIRCUIT IN ATTIC SPACE FROM FIXTURES THAT ARE REMOVED. OR FROM NEAREST 120V CIRCUIT SOURCE.
4. REPLACE EXISTING EXIT LIGHT FIXTURE WITH NEW TYPE "K". RECONNECT TO UNSWITCHED 120V CIRCUIT. PATCH OPENING NOT COVERED TO MATCH EXISTING WALL FINISH
5. REPLACE EXISTING SWITCH(ES) WITH NEW DEVICE AND COVER PLATE AND RECONNECT TO FIXTURES.
6. PROVIDE NEW LIGHT SWITCH(ES) AND CONNECT TO FIXTURES AS SHOWN.
7. RELOCATE EXISTING FIXTURE AS SHOWN AND RECONNECT.
8. PICK UP AND CONNECT TO EXISTING UNSWITCHED IDLE LIGHTING CIRCUIT IN ATTIC SPACE (SEE NOTE 3).
9. EXISTING FIXTURES TO REMAIN. REPLACE ANY BURNED OUT LAMPS AND CLEAN ALL FIXTURE LENSES.
10. REPLACE EXISTING PANEL WITH NEW PER PANEL REPLACEMENT SCHEDULE ON THIS SHEET.
11. REMOVE ALL ELECTRICAL DEVICES IN WALLS BEING REMOVED. RE-ROUTE AND RECONNECT ANY FEED-THRU CIRCUITS STILL IN USE. PULL OUT ANY IDLE WIRE AND REMOVE ANY EXPOSED CONDUIT.
12. EXISTING CLOCKS TO REMAIN. SEE GENERAL NOTE B THIS SHEET.
13. PROVIDE NEW TYPE 'K' FIXTURE RECESS IN SOFFIT AREA AND CONNECT TO SWITCH AS SHOWN. PICK UP CIRCUIT PER NOTE 8.
14. PROVIDE NEW SPEAKER PER SPECIFICATIONS. FLUSH MOUNT IN CEILING OR SURFACE ON WALL AS SHOWN.
15. RUN NEW FEEDS CONCEALED IN STUD WALLS. WHERE WIRING REQUIRED ON MASONRY WALLS CONVERT TO SURFACE RACEWAY (WIREMOLD #700). PAINT TO MATCH ADJACENT SURFACE. VERIFY ANY EXPOSED ROUTING WITH ARCHITECT. SEE GENERAL NOTE D .
16. REPLACE EXISTING FIRE ALARM PULL STATION AND F.A. BELL WITH NEW PER SPEC'S. SEE SHEET E4 FOR F.A. WIRING REQUIREMENTS.
16a PROVIDE NEW FIRE ALARM DEVICE AND CONNECT TO F.A. CIRCUIT AS SHOWN ON E4. F.A. WIRING DIAGRAM.
17. PROVIDE F.A. VISUAL DEVICE ON WALL OF HANDICAPPED ACCESSIBLE TOILET. FEED WITH 1/2"C - 4 #14 BACK TO F.A. MASTER EQUIPMENT AT ADMIN. VERIFY ROUTING AT SITE WITH OWNER.
18. REMOVE EXISTING MASTER CLOCK BELL BOARD AND RELATED EQUIPMENT IN WALL BEING REMOVED. RELOCATE MASTER CLOCK TO WALL AS DIRECTED BY OWNER AND RECONNECT ALL EXISTING CIRCUITS.
19. REMOVE EXISTING FIRE ALARM RESTORE IN WALL BEING REMOVED. REROUTE AND RECONNECT EXISTING CIRCUITS TO NEW F.A. MASTER.
20. NEW INTERCOM/CLOCK SYSTEM EQUIPMENT RACK PER SPECIFICATIONS.
21. REMOVE EXISTING F.A. MASTER, RECTIFIER AND TROUBLE INDICATOR AND INSTALL NEW FIRE ALARM MASTER PER SPEC'S ON SHEET E4. MOUNT ON WALL ABOVE NEW EQUIPMENT RACK. PROVIDE ANY NEW CONDUIT AND WIRE AS REQUIRED AND RECONNECT EXISTING F.A. CIRCUITS.
22. PROVIDE WEATHERPROOF RECEPTACLES ON ROOF NEXT TO A.C. UNITS. FEED FROM NEAREST UNSWITCHED 20A CIRCUIT. VERIFY LOCATION IN FIELD.
23. PROVIDE NEW OUTLETS IN NEW WALLS AS SHOWN. FEED FROM EXISTING 120V PLUG CIRCUIT OR FROM IDLE CIRCUIT IN ATTIC. CONTRACTOR OPTION TO HOME RUN NEW BRANCH CIRCUIT FROM EXISTING PANEL AND CONNECT TO SPARE 20A CIRCUIT.
24. INSTALL NEW WIREMOLD 2100 (WITH OUTLETS AT 18" O.C.) LOCATE IN COUNTER STRUCTURE AS DIRECTED BY ARCHITECT. CONNECT TO UNSWITCHED IDLE CIRCUIT FROM OUTLETS BEING REMOVED.
25. STUB 3/4"C UP TO ACCESSIBLE ATTIC SPACE FROM TEL OUTLET. SEE NOTE 15 .
26. PROVIDE RECEPTACLE IN NEW CABINET STRUCTURE. LOCATE AS DIRECTED BY ARCHITECT.
27. THERMOSTAT AND BYPASS TIMER PROVIDED BY MECHANICAL/INSTALLED BY ELECTRICAL. FLUSH IN WALL PER GENERAL NOTE D (VERIFY LOCATION WITH ARCHITECT. SEE GENERAL NOTE A).
28. CONNECT ALL CONTROLS AS REQUIRED WITH 1/2"C + CONTROL WIRING. SEE GENERAL NOTE 'A'.
29. CONNECT WHEELCHAIR LIFT. RUN SEP 20 AMP CIRCUIT BACK TO PANEL 'B'. CONNECT CALL/SEND SWITCHES AND ALL CONTROLS AS REQUIRED.
30. PROVIDE FLUSH FLOOR TELEPHONE OUTLET. LOCATE AS DIRECTED BY ARCHITECT. SAW CUT FLOOR AS REQUIRED AND RUN 3/4"C TO WALL THEN UP TO ATTIC SPACE.
31. PROVIDE FLUSH FLOOR QUAD-DUPLEX OUTLET. LOCATE AS DIRECTED BY ARCHITECT. SAWCUT FLOOR AS REQUIRED AND CONNECT TO NEAREST UNSWITCHED 120V CIRCUIT.
32. CONNECT ELECTRIC HAND DRYER. VERIFY ALL CONNECTION REQUIREMENTS WITH DRYER SUPPLIER. EACH ON 20/2P CIRCUIT.
33. REPLACE EXISTING CONTACT SWITCH WITH TWO STANDARD 3 WAY SWITCHES. REPLACE EXISTING WIRING WITH 4 #12 AND CONNECT TO OTHER TWO 3 WAY SWITCHES ßø & §ø AT STAGE NEXT TO PANEL B. EACH SWITCH TO BE ON SEPARATE 20A CKT (NOTE - VERIFY EXACT LOCTIONS OF EXISTING CONTACT SWITCHES).
34. PROVIDE TWO 3 WAY SWITCHES. TO OPERATE IN CONJUNCTION WITH 3 WAYS (PER NOTE 33) TO CONTROL LIGHTING ABOVE IN MULTI-USE. EACH SWITCH ON SEPARATE 20A CKT.
35. EXISTING LIGHTING CONTACTOR TO BE OMITTED FROM NEW PANEL B. COMBINE EXISTING LIGHTING CKTS TO CONTACTOR AND RECONNECT TO TWO 20A CKTS VIA,3 WAY SWITCHES ßø & §ø.
36. COMBINE LIGHTING CKTS TOGETHER AND RECONNECT TO SINGLE 20A CKT. PULL ANY ADDITIONAL WIRING AS REQUIRED.



ELECTRICAL PLAN – UNITS "A" & "B"

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

NOTE: DISCONNECT AND REMOVE ALL ELECTRICAL SERVICES TO EXISTING EVAPORATIVE COOLER UNITS BEING REMOVED. REMOVE COOLER SWITCH IN ROOM BELOW. REROUTE AND RECONNECT ANY FEED THRU CIRCUITS STILL IN USE. PULL OUT ALL IDLE WIRE AND REMOVE OR CAP-N-TAG ANY IDLE CONDUIT. LABEL BREAKER IN PANEL AS SPARES WHERE APPLICABLE. TYPICAL FOR ALL COOLER UNITS BEING REMOVED AT ALL BUILDING UNITS. CONTRACTOR TO VERIFY WITH MECHANICAL FOR LOCATIONS.



KEY PLAN

NO SCALE

ROBERT F. STUHR ARCHITECT INC
3121 CALIFORNIA AVE
BAKERSFIELD CA
93304 (805) 327-163
ROBERT F. STUHR AIA C-16
WILLIAM J. MELBY AIA C-16
DANNY E. ORDIZ AIA C-147

UNITS "A" & "B" 1/8" ELEC. PLAN
1/4" PARTIAL ELEC. PLAN

MYRA A. NOBLE SCHOOL
1015 NOBLE AVENUE
MODERNIZATION
BAKERSFIELD CITY SCHOOL DISTRICT
KERN COUNTY, CALIFORNIA

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO UBC.

MARK	DATE	REVISIONS
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JOB NO: 643
DRAWN:
CHECKED:
DATE: