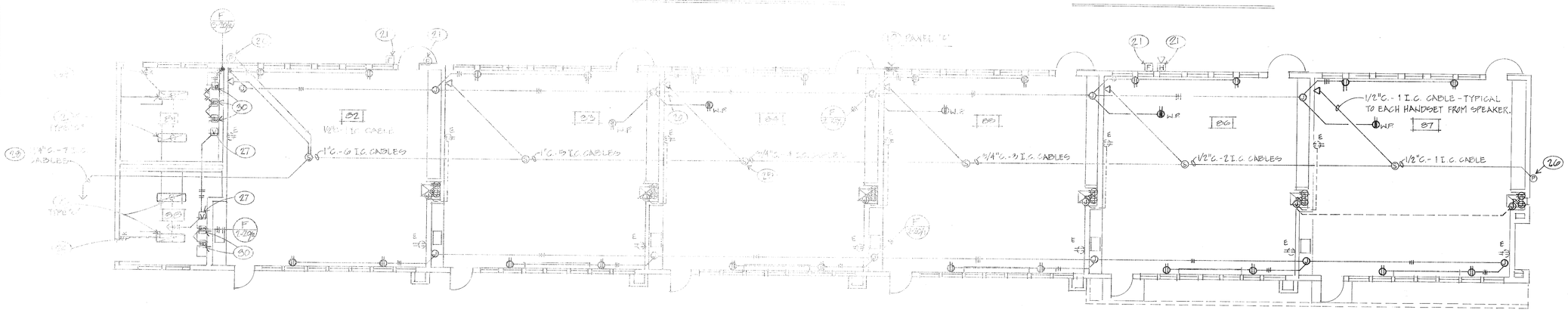
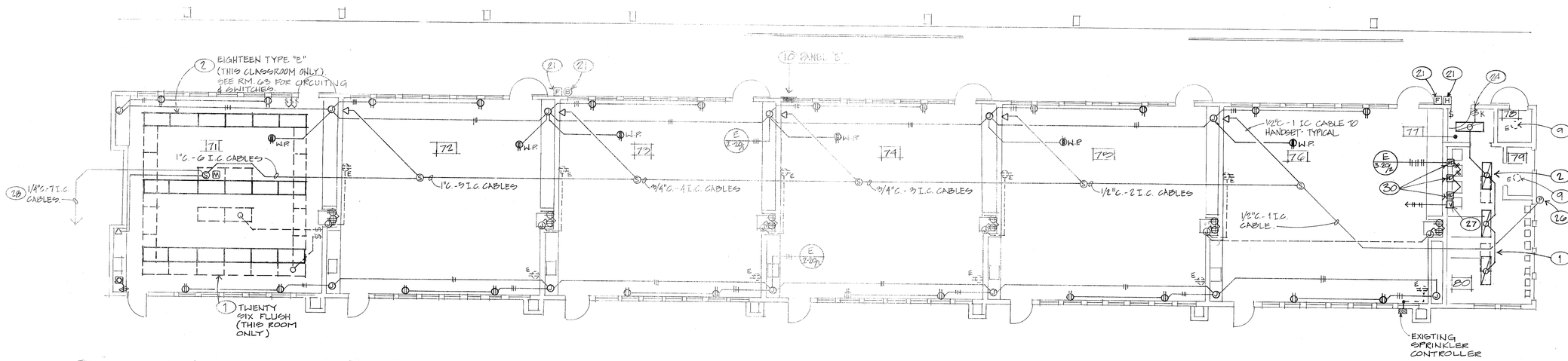


ELECTRICAL PLAN – UNIT "F" (WING #3)

REFER TO ROOMS 63 & 64 FOR ALL NEW LIGHTING & POWER REQUIREMENTS OF TYPICAL CLASSROOM.

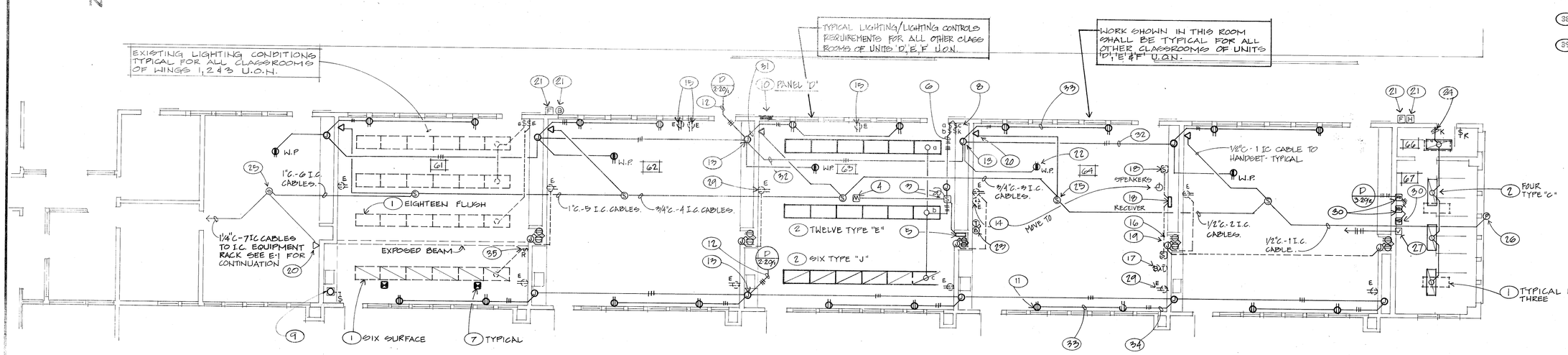
SCALE: 1/8" = 1'-0"



ELECTRICAL PLAN – UNIT "E" (WING #2)

REFER TO ROOMS 63 & 64 FOR ALL NEW LIGHTING & POWER REQUIREMENTS OF TYPICAL CLASSROOM.

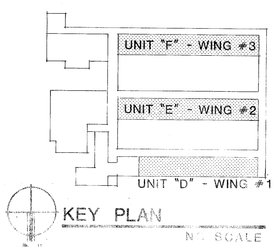
SCALE: 1/8" = 1'-0"



ELECTRICAL PLAN – UNIT "D" (WING #1)

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 CIRCUIT. LABEL BREAKER IN PANEL AS SPARES WHERE APPLICABLE. TYPICAL FOR ALL COOLER UNITS BEING REMOVED AT ALL BUILDING UNITS. CONTRACTOR TO VERIFY W/O MECHANICAL FOR LOCATIONS.

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



KEY PLAN
NO SCALE

FUNCTIONAL FLOOR PLAN NOTES - SHEET E-3

1. REMOVE ALL EXISTING FIXTURES IN THIS ROOM U.O.N. RETIRE EXISTING CIRCUIT(S) FOR NEW FIXTURES. PULL OUT ALL IDLE WIRE.
2. INSTALL NEW FIXTURES (TYPE AND QUANTITY AS SHOWN) AND RECONNECT TO EXISTING CIRCUIT. SWITCH AS SHOWN.
3. SWITCH/SENSOR FOR MOTION SENSOR CONTROL IN ATTIC SPACE (SEE PER DETAIL 1-64). CONNECT TO ONE 20 AMP EXISTING LIGHTING CIRCUIT IN ATTIC. U.O.N.
4. MOTION SENSOR ON BOTTOM OF CEILING. (1,000 SQUARE FEET COVERAGE). WIRE PER DETAIL 1-64.
5. HONEYWELL LIGHTING CONTROLS. TWO CONTROL MODULES AND TWO OUTPUT MODULES. ONE PAIR FOR "A" SWITCHED FIXTURES, ONE PAIR FOR "B" SWITCHED FIXTURES ("B" SWITCHED FIXTURES ARE NOT DIMMED). MOUNT MODULES TOGETHER ON WALL WITH TOP 6" BELOW CEILING. WIRE PER DETAIL 2-54. VERIFY EXACT LOCATION WITH ARCHITECT.
6. REUSE 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.
7. REMOVE EXISTING AUTOMATIC DIMMING CONTROL MODULES. PULL OUT ANY IDLE WIRING.
8. REPLACE THREE EXISTING SWITCHES WITH THREE NEW SWITCHES, AND ONE NEW KEY SWITCH. REPLACE EXISTING 3 GANG BOX WITH 4 GANG (MINIMUM OR PROVIDE NEW ADJACENT SURFACE BOX FOR SWITCHES) WITH CONCEALED FEED TO EXISTING BOX (CONTRACTOR OPTION). REUSE EXISTING CONDUIT TO ATTIC FOR NEW WIRING TO NEW FIXTURES PER NOTE 5. SEE DETAIL 1-64.
9. EXISTING RECESS FIXTURE TO REMAIN CLEAN AND RELAMP.
10. REPLACE EXISTING SUB-PANEL PER PANEL SCHEDULE REPLACEMENT ON SHEET E-2.
11. PROVIDE NEW OUTLETS FLUSH IN WALL AS SHOWN. RUN ALL FEED CONCEAL IN WALL. IF NOT POSSIBLE RUN EXPOSE. SEE (32), (34) U.O.N. WIRE OUTLET ON ALTERNATING CIRCUITS.
12. HOMERUN TO EXISTING PANEL WITH 3/4"C - 3 #12 + GND. CONNECT TO TWO 20A CKT BKRS - RUN FEED CONCEAL DOWN WALL TO PANEL OR RUN IN EXISTING CONDUIT FROM PANEL TO ATTIC IF AVAILABLE.
13. PROVIDE J-BOX IN ATTIC SPACE FOR DISTRIBUTION OF FEED TO NEW OUTLETS AS SHOWN. TYPICAL.
14. EXISTING CLOCK. RELOCATE TO WEST WALL, CENTER IN WALL AREA BETWEEN CABINETS AND CEILING. EXTEND AND RECONNECT ANY EXISTING WIRING.
15. REMOVE EXISTING SURFACE CONDUIT/WIREMOLD AND SURFACE OUTLETS. TYPICAL AT ALL ROOMS U.O.N.
16. EXISTING HEATER TO BE REMOVED. REMOVE ALL EXISTING IDLE WIRING. TYPICAL. REUSE 120V CIRCUIT FOR NEW OUTLETS FOR (19).
17. REMOVE EXISTING THERMOSTAT/BYPASS TIMER. PULL OUT IDLE WIRING.
18. EXISTING PORTABLE STEREO BOX SPEAKERS (2) TO REMAIN. VERIFY WITH SCHOOL FOR RELOCATION OF RECEIVER TO NEW CABINET (13).
19. PROVIDE OUTLETS IN NEW CABINET AREA (VERIFY EXACT LOCATION WITH ARCHITECT). FEED FROM EXISTING OUTLET CIRCUIT FROM HEATER BEING REMOVED (SEE (16)). TYPICAL EACH CLASSROOM (ONE OUTLET IS FOR STEREO).
20. NEW INTERCOM STATION. RUN FEED CONCEAL IN CABINET SPACE ON OPPOSITE WALL AND PUNCH THRU WALL TO NEW I.C. TYPICAL IN EACH CLASSROOM. U.O.N.
21. REPLACE EXISTING F.A. PULL STATION AND F.A. BELL WITH NEW STATION AND BELL. CONNECT PER F.A. WIRING DIAGRAM ON SHEET E-4.
22. PROVIDE W.P. RECEPTACLE ON ROOF NEXT TO AC UNIT.
23. INSTALL AND CONNECT THERMOSTAT AND BYPASS TIMER PROVIDED BY MECHANICAL FOR NEW AC UNITS.
24. REPLACE EXISTING SWITCH WITH NEW KEY TYPE AND RECONNECT TO LIGHTS AS SHOWN. REUSE EXISTING WIRING U.O.N.
25. INSTALL NEW FLUSH CEILING SPEAKER. TYPICAL EACH CLASSROOM.
26. INSTALL NEW EXTERIOR SPEAKER ON WALL +8' U.O.N.
27. PROVIDE F.A. VISUAL UNIT +9' ON WALL. SEE 8/E4 FOR WIRING REQUIREMENTS. CONNECT WITH 1/2"C - 4 #14.
28. RUN ON TOP OF WALK COVER TO MASTER INTERCOM EQUIP. RACK AT ADMIN.
29. RELOCATE EXISTING FLUSH OUTLET BOXES OUT TO FACE OF NEW WALL MATERIAL. TYPICAL ALL ROOMS (SEE GENERAL NOTE B ON E-2).
30. CONNECT NEW HAND DRYER BLOWER. VERIFY REQUIREMENTS WITH HAND DRYER SUPPLIER. VERIFY EXACT LOCATION WITH ARCHITECT. EACH DRYER ON SEPARATE 20/2 CIRCUIT.
31. RUN FEED DOWN IN TALL CABINET SPACE. THEN PUNCH THRU WALL TO FEED NEW OUTLETS ALONG WALL.
32. RUN FEED ABOVE IN ATTIC SPACE.
33. RUN EXPOSED WIREMOLD #700 ALONG FLOOR TOP BASE. 'TEE' TO OUTLETS AS REQUIRED. PAINT WIREMOLD TO MATCH WALL FINISH.
34. RUN EXPOSED WIREMOLD #700 DOWN CORNER OF WALLS. TYPICAL.
35. REMOVE EXISTING SWITCH(ES), REROUTE AND RECONNECT ANY FEED THRU CIRCUITS. PULL OUT ANY IDLE WIRE. BLANK OFF EXISTING SWITCH BOX.
36. SIMILAR PER NOTE (8) EXCEPT TWO SWITCHES AND ONE KEY SWITCH.
37. SIMILAR PER NOTE (5) EXCEPT ONLY TWO SWITCHES EACH SWITCH VIA ONE CONTROL MODULE.
38. SIMILAR PER NOTE (5) EXCEPT PROVIDE ONLY ONE CONTROL MODULE. SWITCH #1 VIA DIMMING CKT.
39. RUN EXPOSED FEED DOWN TO INTERCOM STATION (IN WIREMOLD #700). VERIFY ROUTING WITH ARCHITECT.

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UNITS "D", "E" & "F"
ELECTRICAL PLANS

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MODERNIZATION
BAKERSFIELD CITY SCHOOL DISTRICT
KERN COUNTY, CALIFORNIA

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Visalia, California 93291
Gerald Cornelius Calif. no. 7198

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: 9-28-90