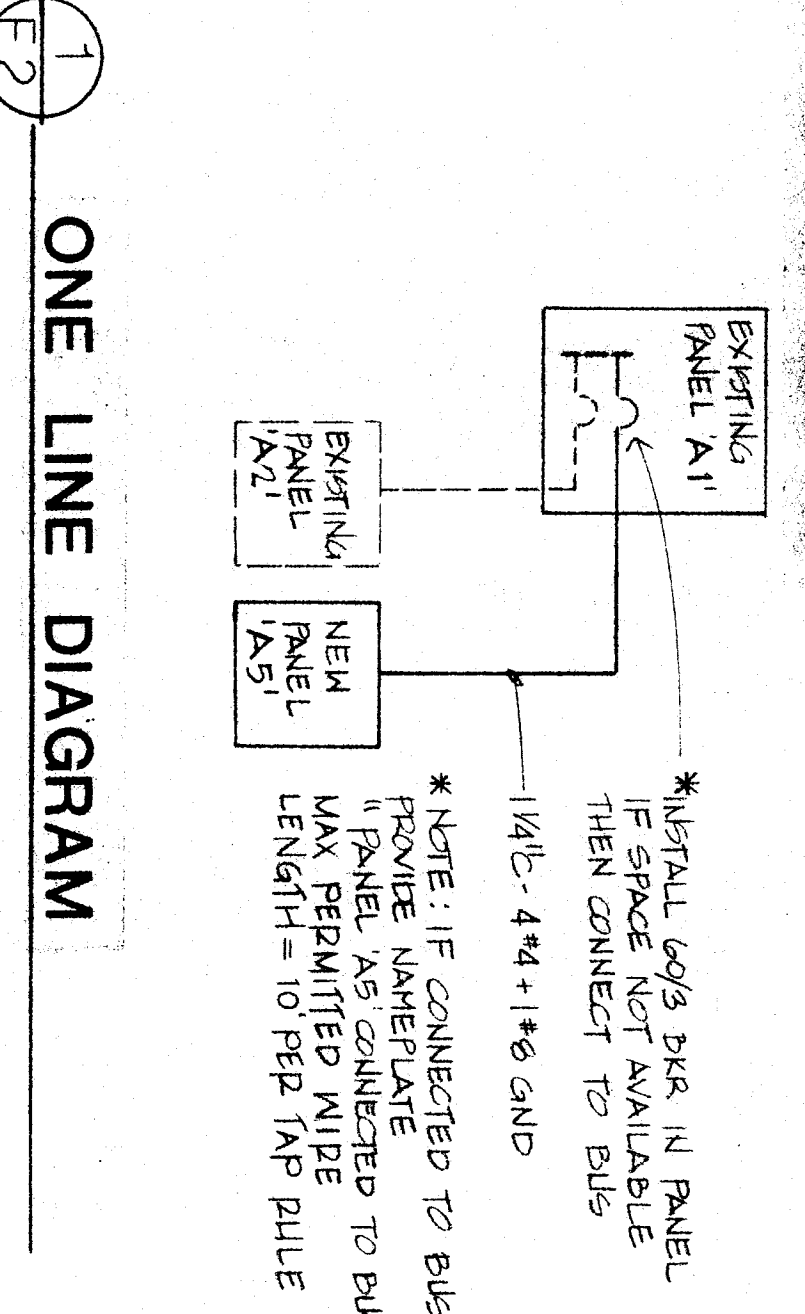


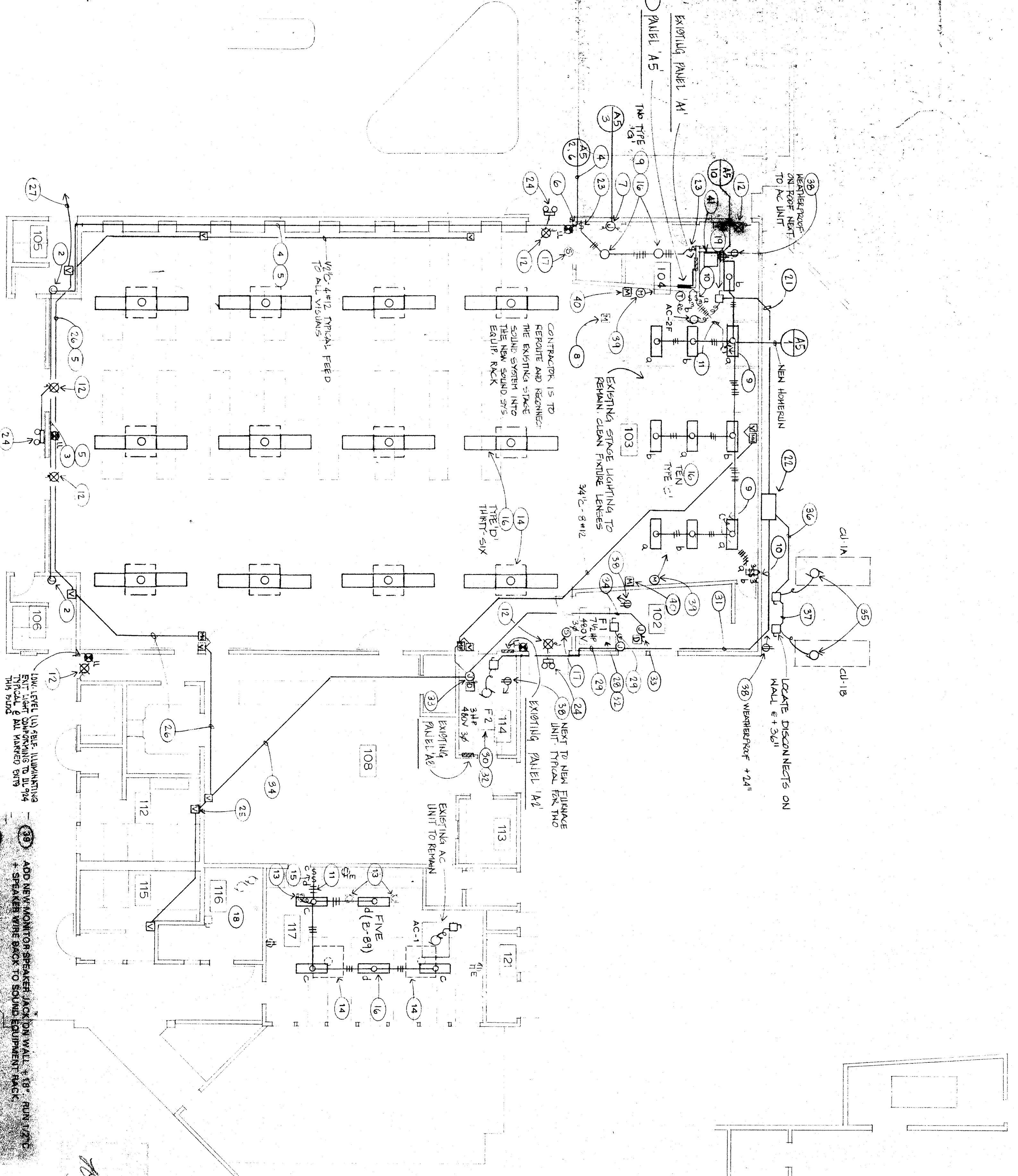
- ELECTRICAL NOTES - BUILDING A**
1. INSTALL NEW PANEL A5. SEE PANEL A5 FOR ONE LINE DIAGRAM.
 2. CONNECT NEW ELECTRIC HAND DRESSERS, VENT REQUIREMENTS WITH HAND DRYER SUPPLIER.
 3. WIRING TO #100 WITH 2 #10 + 1 #10 GND.
 4. WIRING TO #100 WITH 4 #10 + 1 #10 GND.
 5. VERIFY EXISTING ROUTING OF EXPOSED FEED WITH ARCHITECT PRIOR TO INSTALLING. TYPICAL FOR ALL EXPOSED RUNS.
 6. REMOVE EXISTING WALLS AS REQUIRED TO GAIN ACCESS OPENINGS. TYPICAL.
 7. VERIFY ALL CONNECTOR REQUIREMENTS WITH WIREMANSHIP. PROVIDE NEW AND EXISTING POWER AND ALL CONTROLS. PROVIDE ANY BOXES, CONDUIT, CONDUCTORS NOT SHOWN ON THIS PLAN.
 8. EXISTING MICROPHONE DUCTLET TO REMAIN.
 9. REMOVE EXISTING SURFACE INCANDESCENT FIXTURE. RECONNECT ANY FEED THRU CIRCUITS. PULL OUT IDE WIRE.
 10. REMOVE EXISTING SWITCH WITH LOW-VOLTAGE COMPARTMENT 3-WAY SWITCHES. REUSE EXISTING CONDUIT AND PULL NEW WIRE TO NEW LIGHT FIXTURES.
 11. PULL NEW SWITCH WIRING THRU EXISTING BOX TO NEW LIGHT FIXTURES AND RECONNECT EXISTING EXISTING LIGHT WIRING WITH NEW WIRE. CONNECT TO A SINGLE 120V UNSWITCHED CIRCUIT.
 12. REMOVE EXISTING RECESS IN-C. EXISTING PATCH OPENING TO MATCH EXISTING. REUSE APPLIED TO NEW LIGHT FIXTURES.
 13. REMOVE EXISTING RECESS IN-C. EXISTING PATCH OPENING TO MATCH EXISTING. REUSE APPLIED TO NEW LIGHT FIXTURES.
 14. REMOVE EXISTING SURFACE FLUORESCENT FIXTURE WHERE APPLICABLE FOR NEW LIGHTING. PATCH/BRUSH CEILING TO MATCH EXISTING.
 15. REPLACE EXISTING SWITCHES (2) WITH NEW AND REUSE EXISTING CONDUIT AND PULL IN ADDITIONAL WIRING AS REQUIRED.
 16. INSTALL NEW FIXTURES. TYPE AS NOTED. RECONNECT TO EXISTING CIRCUIT FROM FIXTURES BEING REMOVED. U.O.N.
 17. REMOVE EXISTING SPEAKER OUT OF WAY OF NEW CONSTRUCTION. RECONNECT TO MAIN PANEL A5 AS NOTED.
 18. DISCONNECT AND REMOVE ALL ELECTRICAL TO EXISTING EQUIPMENT THAT IS TO BE REMOVED. CONDUIT, LABEL BREAKERS IN EXISTING PANEL AS SPEAKERS.
 19. CONNECT NEW AC UNIT CONDENSER TO MECHANICAL REFRIGERATION. ALL REQUIREMENTS EXISTING TO REMAIN.
 20. FEED FROM DUCT SWIRL WITH 1/2" C. 3 #12 + 1 #10 GND. PROVIDE 200A ABOVE CIRCUIT BREAKER IN SWIRL.
 21. EXISTING DISTRIBUTION SWIRL. ABOVE 3-PHASE SWIRL. PROVIDE 200A BREAKERS FOR NEW RUNBACK UNITS. CONDENSING UNITS CU-1A & CU-1B.
 22. PROVIDE NEW 3-WAY DIMMER SWITCH AND CONNECT TO NEW 15. PROVIDE AS SHOWN.
 23. PROVIDE AND INSTALL NEW EMERGENCY FIXTURE EXISTING LOCATION WITH ARCHITECT. FEED FROM 120V UNSWITCHED CIRCUIT. SAME CIRCUIT AS EXIT LIGHTS.
 24. ADD NEW FIRE ALARM SIGNAL STROBE TYPICAL. WHERE POSSIBLE. USE WIRING TO #100 WHERE EXPOSED.
 25. RUN 1/2" C. 5 #12 + 1 #10 GND BACK TO MASTER FAN PANEL AT ADMIN BUILDING. VERIFY EXACT LOCATION AT SITE AND VERIFY ROUTING WITH OWNER PRIOR TO RUNNING FEED.
 26. NEW FAN UNIT (480V) TO REPLACE EXISTING FAN UNIT (200V) DISCONNECT ELECTRICAL TO EXISTING FAN UNIT. PULL OUT IDE WIRING. LABEL THIS BREAKER IN SERVICE PANEL AS "FAN".
 27. 3-WAY-C. 2 #12 + 1 #10 GND. VERIFY ROUTING WITH OWNER.
 28. NEW FAN UNIT (480V) TO REPLACE EXISTING FAN UNIT (200V) DISCONNECT ELECTRICAL TO EXISTING FAN UNIT. PULL OUT IDE WIRING.
 29. 3-WAY-C. 2 #12 + 1 #10 GND. VERIFY ROUTING WITH OWNER.
 30. NEW FAN UNIT (480V) TO REPLACE EXISTING FAN UNIT (200V) DISCONNECT ELECTRICAL TO EXISTING FAN UNIT. PULL OUT IDE WIRING.
 31. 1/2" C. 5 #12 + 1 #10 GND. VERIFY ROUTING TO DISTRIBUTION SWIRL (2).
 32. CONNECT NEW RUNBACK UNIT ELECTRIC IDENTIFICATION AND MOTORIZED DAMPERS FROM REARSET UNSWITCHED 120V CIRCUIT.
 33. CONNECT RUNBACK UNITS DUCT SMOKE DETECTOR VERIFY REQUIREMENTS WITH MECHANICAL.
 34. CONNECT DUCT SMOKE DETECTOR VIA 1/2" C. 4 #14.
 35. NEW CONDENSING UNIT ON GROUND. FEED EACH UNIT VIA 3/4" C. 5 #10 + 1 #10 GND.
 36. 1/2" C. 5 #10 + 1 #10 GND. CONNECT TO 481S BREAKER. SEE NOTE (2).
 37. 3/4" C. 3 #10 + 1 #10 GND.
 38. PROVIDE REFRIGERATE (LOCATE AS NOTED) AND CONNECT TO NEAREST 120V UNSWITCHED CIRCUIT.



120/208 VOLTS 3 Ø 4 WIRE
2Ø A BUSSING 2Ø A MAIN BRK
CIRCUIT

CIR BRK	LOAD VA	LOAD VA	DESCRIPTION	LOAD VA	LOAD VA	BRK CIR
ØA	ØB	ØC		ØA	ØB	
1	1152		LIGHTS - STAKE	1200	1/2"	2
3	328		WIREMANSHIP LIFT			4
5			SPARES			6
7			HAND DRYER (4) @ 120			8
9			SOUND EQUIP. RACK	1200	2"	10
11						12
13						14
15						16
17						18
19						20
21						22
23						24

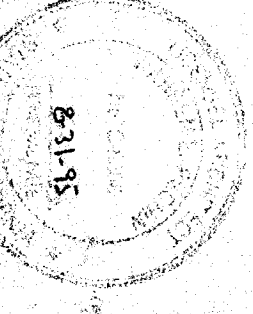
12000 BREAKER A.I.C.
5/24 MAX. ENCL. DEPTH
SURFACE MOUNTING



11. PROVIDE NEW SOUND EQUIPMENT RACK AND RE-ATED EQUIPMENT AS FOLLOWS:
- ATLAS 320-58 28" WALL RACK INCL. TDA
 - MASCHUK 8 CHANNEL W/WHI
 - BOSS MIC MODULARS
 - 5500 DUAL CHANNEL 500 WATT AMP CONTROLLED
 - BLANK PANELS AND VENTS
 - BLANK PANELS AND VENTS
 - 2 AUDIO TECHNICA ATW-1031 WIRELESS MICROPHONE SYSTEM
 - 1 DUAL CASSETTE DECK
 - 1 CD PLAYER WITH MINIRAM OR 5 CD CHANGER
 - AS NOTED WESTERN 226 SPEAKER WIRE
 - AS NOTED WESTERN 228 1/4" DIA WIRE
 - VERIFY EXISTING RACK AND EQUIPMENT IN FIELD WITH OWNER PRIOR TO STARTING ANY WORK. VERIFY AND SIGN OFF DRAWING WITH ARCHITECTS FOR REVIEW.

ELECTRICAL PLAN

1/8"=1'-0"



Frank West Elementary School Modernization Bakersfield City School District

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Project Number: **32**

Plot Date:

DATE	ISSUE FOR

DATE	REVISION

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