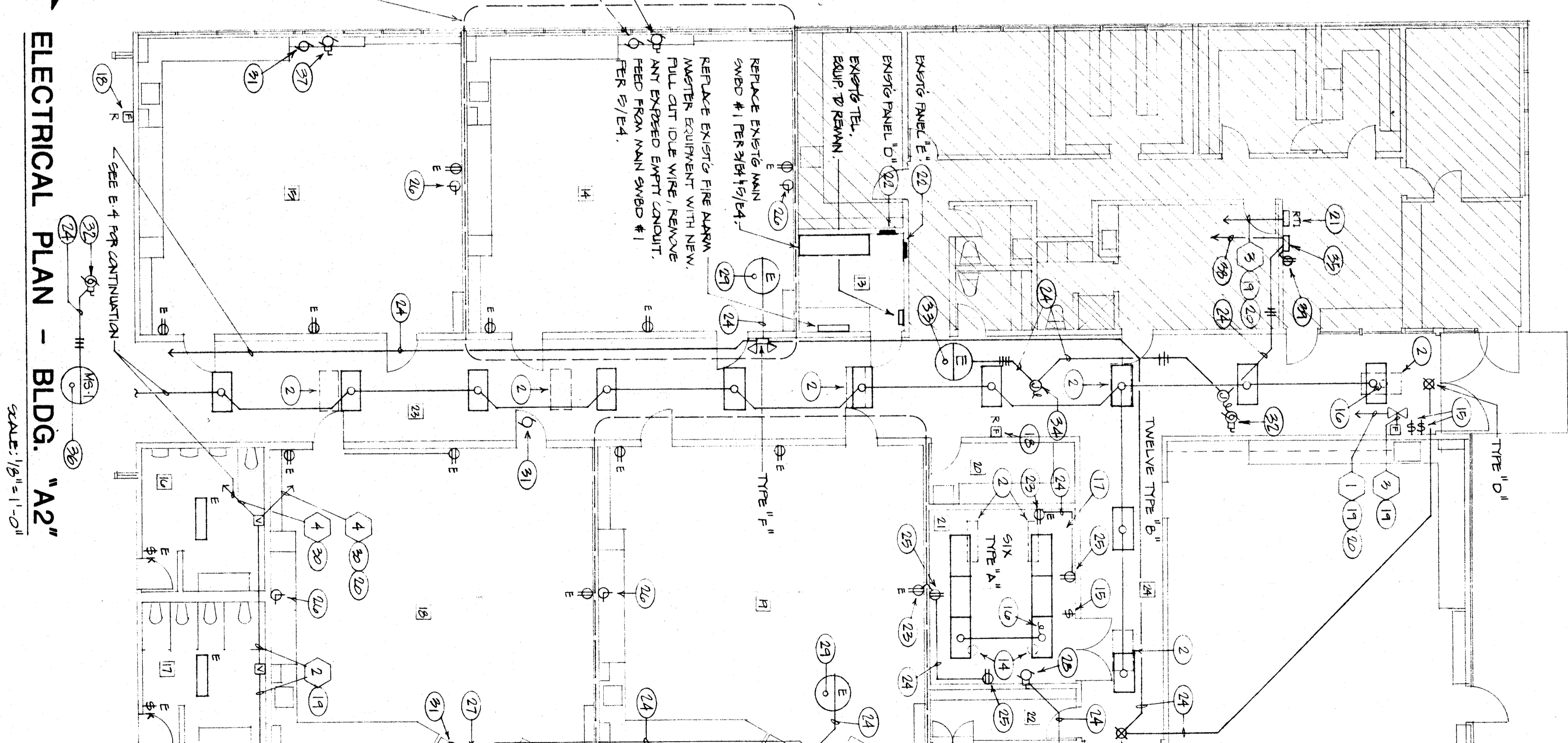


DATE: 5/24/89
BY: [Signature]
CHECKED: [Signature]
SCALE: 1/8" = 1'-0"

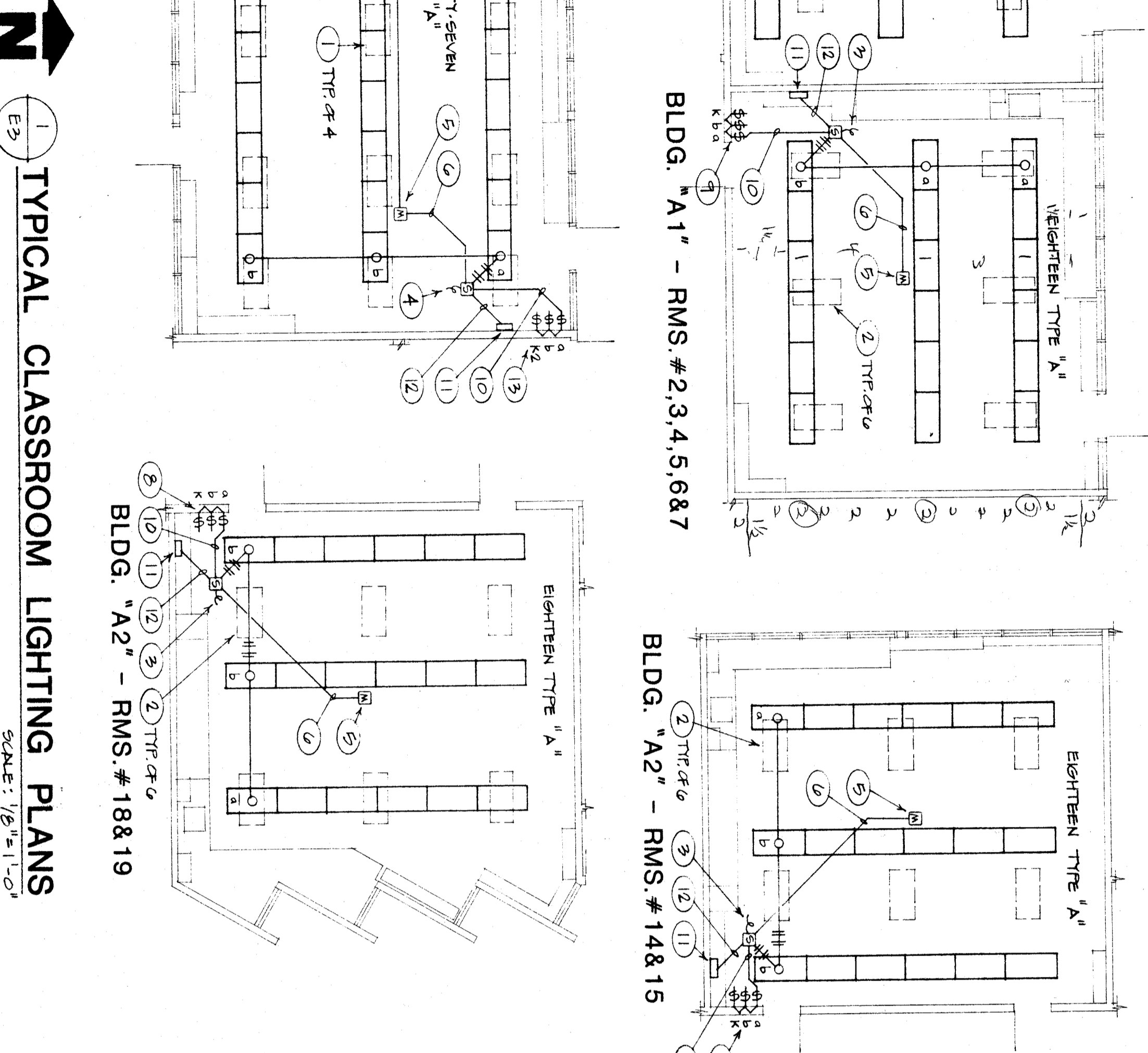


ELECTRICAL PLAN - BLDG. "A2"
SCALE: 1/8" = 1'-0"

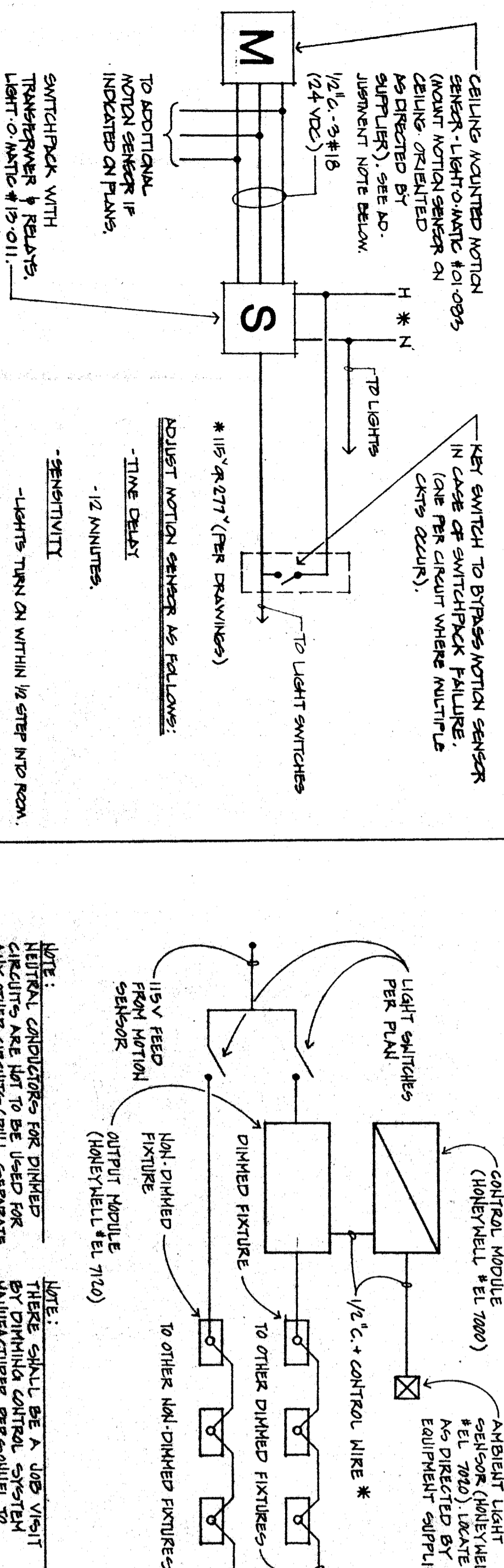
SEE 1/53 FOR TYPICAL LIGHTING WORK IN 2 CLASSROOMS AT THIS FLOOR.

- NOTES (CONT'D)**
- 15 CONNECT NEW LIGHTS TO EXISTING SWITCHED LIGHTING CIRCUIT WHERE FIXTURES REMOVED.
 - 16 DISCONNECT ANY ELECTRICAL EQUIPMENT AT SOLIDIFIED CIRCUITS. PULL OUT ANY IDLE WIRE, REMOVE ANY EXPOSED EMPTY CONDUIT.
 - 17 REMOVE EXISTING FIRE ALARM DEVICE. BLANK OFF BRASS BALL BUT DO NOT REMOVE. EXISTING WIRING RUNS IN SAME CONDUIT AS CLOCK WIRING. VERIFY ROUTE AT SITE. REMOVE ANY EXPOSED EMPTY CONDUIT. RE-RUN BRASS BALL CONDUITS.
 - 18 VERIFY CONDUIT ROUTE AT SITE. CONCEAL IN ATTIC/WALLS WHERE POSSIBLE. WHERE NOT POSSIBLE TO CONCEAL, INSIDE BUILDING USE SURFACE RACEWAY (WIREHOLD #700, PAINT TO MATCH ADJACENT SURFACE).
 - 19 TO NEW FIRE ALARM MASTER.
 - 20 VERIFY EXACT LOCATION OF REMOTE TROUBLE INDICATOR WITH ARCHITECT BEFORE ROOST-IN.
 - 21 REPLACE INTERIOR BUS AND BREAKERS PER 1/54.
 - 22 EXISTING CONDUIT TO REMAIN. EXTEND EXISTING CONDUIT TO NEW OUTLET(S) AS SHOWN.
 - 23 RUN NEW FEED CONCEALED IN ATTIC/WALLS, WHERE NOT POSSIBLE CONVERT TO SURFACE RACEWAY SURFACE. PAINT TO MATCH ADJACENT SURFACE.
 - 24 NEW CONVENIENCE OUTLET AT +12".
 - 25 RELOCATE EXISTING CLOCK TO CLEAR NEW SETTING. (WHICH EXISTING). BLANK OFF EXISTING BOX. CONTRACTOR MAY FLUSH IN DEVICE OR SURFACE MOUNT, WITH CONCEALED CONDUIT TO EXISTING BOX AT CONTRACTOR'S OPTION.
 - 26 CONNECT UNIT VENTILATOR - SEE MECH. DRAWINGS.
 - 27 CONNECT FAN COIL - SEE MECH. DRAWINGS.
 - 28 CONNECT TO ONE NEW 20/1 BREAKER IN EXIST. PANEL - SEE 1/54.
 - 29 SAME AS 18 EXCEPT WIREHOLD #2100 IF READ C.
 - 30 DISCONNECT EXISTING MECH. EQUIP. BEING REMOVED (SEE MECH. DRAWINGS). RE-ROUTE AND RECONNECT ANY FEED-THRU CIRCUITS. PULL OUT ANY IDLE WIRE, REMOVE ANY EXPOSED EMPTY CONDUIT.
 - 31 CONNECT NEW EXHAUST FAN (SEE MECH. DWGS)
 - 32 CONNECT TO THREE NEW 20/1 BREAKERS IN EXIST. PANEL - SEE 1/54 (ONE FOR CONTROLS, ONE FOR EXH. FAN AND FOR BMS PLUG).
 - 33 CONNECT NEW CONTROL XFER. (20V) @ EXIST. AIR HANDLER (SEE MECH. DWGS FOR LOCATION/REQ).
 - 34 CONNECT EMS CONTROL DNL. (20V) SEE MECH. DWGS FOR LOCATION/REQ.
 - 35 CONNECT TO 20/3 BKR (SEE 5/54)
 - 36 CONNECT NEW JINT VENTILATOR TO EXIST. CIRCUIT (SEE MECH. DWGS) PROVIDE ADDITIONAL CONDUIT & WIRE AS REQ'D.
 - 37 3/4" C. TO EXISTING TEL. EQUIP. IN ROOM # 15 (CONCEAL PER 1/54)
 - 38 LOCATE GANLET AT EMS TERMINAL (VERIFY LOCATION WITH BMS CONTRACTOR). FISH WALL TO DRIVE PER 1/54.

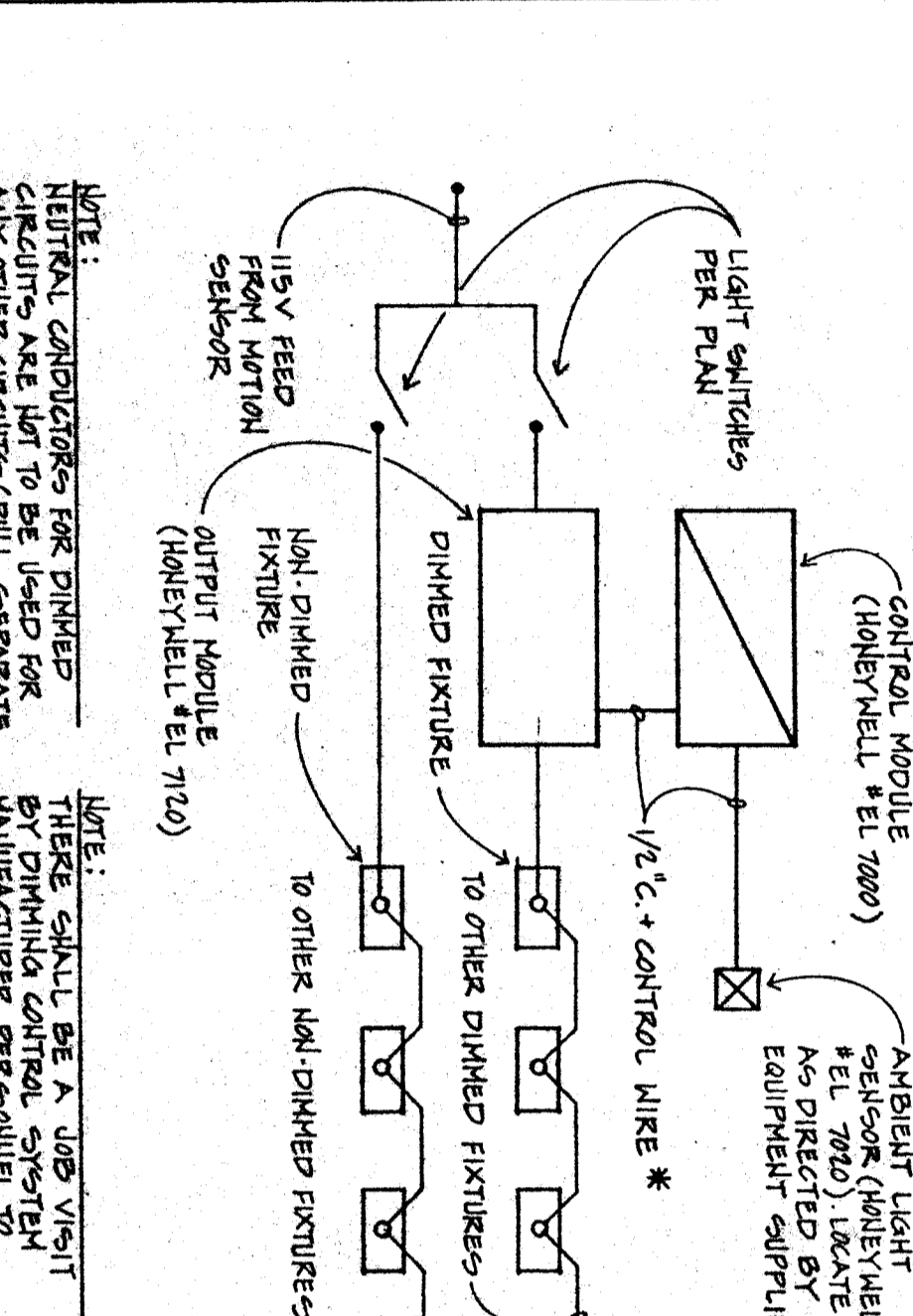
- NOTES (THIS SHEET ONLY)**
- 1 REMOVE EXISTING SURFACE MOUNTED FLUORESCENT CIRCUITS. PULL OUT ANY IDLE WIRE.
 - 2 REMOVE EXISTING SURFACE MOUNTED FLUORESCENT FIXTURES. RE-ROUTE AND RECONNECT ANY FEED-THRU CIRCUITS. PULL OUT ANY IDLE WIRE.
 - 3 CONNECT TO ONE NEW 20/1 BKR IN PANEL FEEDING THIS ROOM (RMS. #1, 2, 3 & 4 FEED FROM PANEL #1. RMS. #5, 6 FEED FROM PANEL #2. RMS. #7, 8, 9, 10, 11, 12 FEED FROM PANEL #2. #12 SEND TO PANEL VIA EXISTING LIGHTING CONDUIT.)
 - 4 CONNECT TO TWO NEW 20/1 BRKS IN PANEL. #8 FEED RMS. #12 + 4 GND IN PANEL VIA EXISTING LIGHTING CONDUIT.
 - 5 MOTION SENSOR AT CEILING TO CONTROL LIGHTING IN CLASSROOM.
 - 6 MOTION SENSOR IN LOCATE SWITCHPOD IN ACCESSIBLE ATTIC WHERE CIRCUIT IS PICKED UP.
 - 7 1/2" C. + L.V. WIRING FOR MOTION SENSOR CONTROLS (VERIFY WIRING REQUIRED WITH SENSOR SUPPLIER).
 - 8 MOTION SENSOR PER 3 WIRE THIS SENSOR IN PARALLEL W/RY.
 - 9 REPLACE EXISTING SWITCHES WITH TWO NEW SWITCHES. AND ONE NEW KEY SWITCH PER 2/53 AND WIRING TO NEW FIXTURES (PULL OUT IDLE WIRE).
 - 10 REPLACE EXISTING SWITCHES WITH TWO NEW SWITCHES. AND ONE NEW KEY SWITCH PER 2/53 & WIRING TO NEW FIXTURES (PULL OUT IDLE WIRE).
 - 11 CONTROL MODULE AND OUTPUT MODULE (SEE 2/53) FOR "2" SWITCHED FIXTURES. "2" SWITCHED FIXTURES ARE NOT DIMMED. MOUNT CONTROL MODULE WITH TOP 6" FROM CEILING (EXPOSED CONDUIT PERMITTED FROM MODULE TO ATTIC. CABLE AROUND PERMITTED FROM ATTIC TO CONTROL MODULE IN PANEL #203).
 - 12 SAME AS 3 EXCEPT 2-POLE KEY SWITCH.
 - 13 REMOVE EXISTING SURFACE MOUNTED INCANDESCENT FIXTURES. RE-ROUTE AND RECONNECT ANY FEED-THRU CIRCUITS. PULL OUT ANY IDLE WIRE.
 - 14 REPLACE SWITCHES WITH NEW. PROVIDE NEW COVER PLATE.



TYPICAL CLASSROOM LIGHTING PLANS
SCALE: 1/8" = 1'-0"



MOTION SENSOR WIRING DIAGRAM
NO SCALE



CLASSROOM DIMMING SYSTEM DIAGRAM
NO SCALE

NOTE:
DIMMING CONTROLS FOR DIMMED LIGHTS SHALL BE A JOB VISIT BY DIMMING CONTROL SYSTEM MANUFACTURER PERSONNEL TO REVIEW & VERIFY ALL WIRING REQUIREMENTS FOR DIMMING SYSTEM BEFORE DIMMING THE SYSTEM.

NOTE:
CEILING MOUNTED MOTION SENSOR - LIGHT SENSITIVE (MOUNT MOTION SENSOR AS CEILING ORIENTED AS DIRECTED BY SUPPLIER). SEE ADJ. JUNCTION NOTE BELOW.
1/2" C. + 3#16 (24 VDC)
TO ADJUNCTION MOTION SENSOR AS INDICATED ON PLANS.
SWITCHPOD WITH TRIPPER & RELAYS. LIGHTS ON WITHIN 1/2" AFTER INTO ROOM. REMOVE EQUIPMENT WIRING AS REQ'D FOR MULTIPLE CTS WHERE APPLICABLE.

KEY SWITCH TO BYPASS MOTION SENSOR IN CASE OF SWITCHPOD FAILURE. (ONE PER CIRCUIT WHERE MULTIPLE CTS OCCUR).

ADJUST MOTION SENSOR AS FOLLOWS:
- TIME DELAY
- 12 MINUTES.
- SENSITIVITY
- LIGHTS TURN ON WITHIN 1/2" AFTER INTO ROOM.
- NO FLARE LIGHTS ON DUE TO MOTION DETECTION ROOM OR BY HVAC EQUIP.
- SHALL PASS WALK TEST BY SENSITIVE.