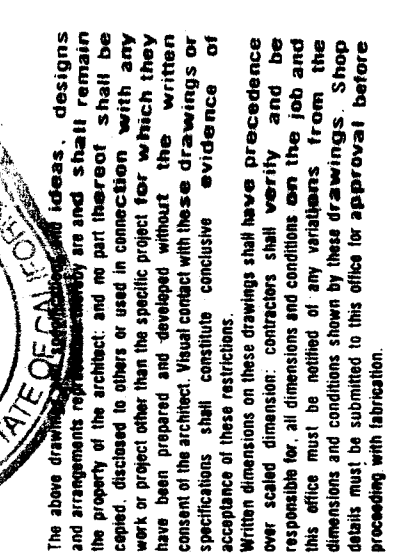


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COLONEL HOWARD NICHOLS ELEMENTARY SCHOOL
 MODERNIZATION PROJECT
 BAKERSFIELD CITY SCHOOL DISTRICT
 BAKERSFIELD, CALIFORNIA
 HOWARD NICHOLS ELEMENTARY SCHOOL

PARTIAL SITE ELECTRICAL PLAN
 ONE LINE DIAGRAM

ELECTRICAL
 DATE: 2/7/91
 DRAWN BY: D. S. J. Daniel et al
 CHECKED BY: G. A. Bunnell
 REVISIONS:

NO.	DATE	DESCRIPTION
1	2/7/91	ISSUED FOR PERMITS
2	4/4/91	REVISED PER PERMITS

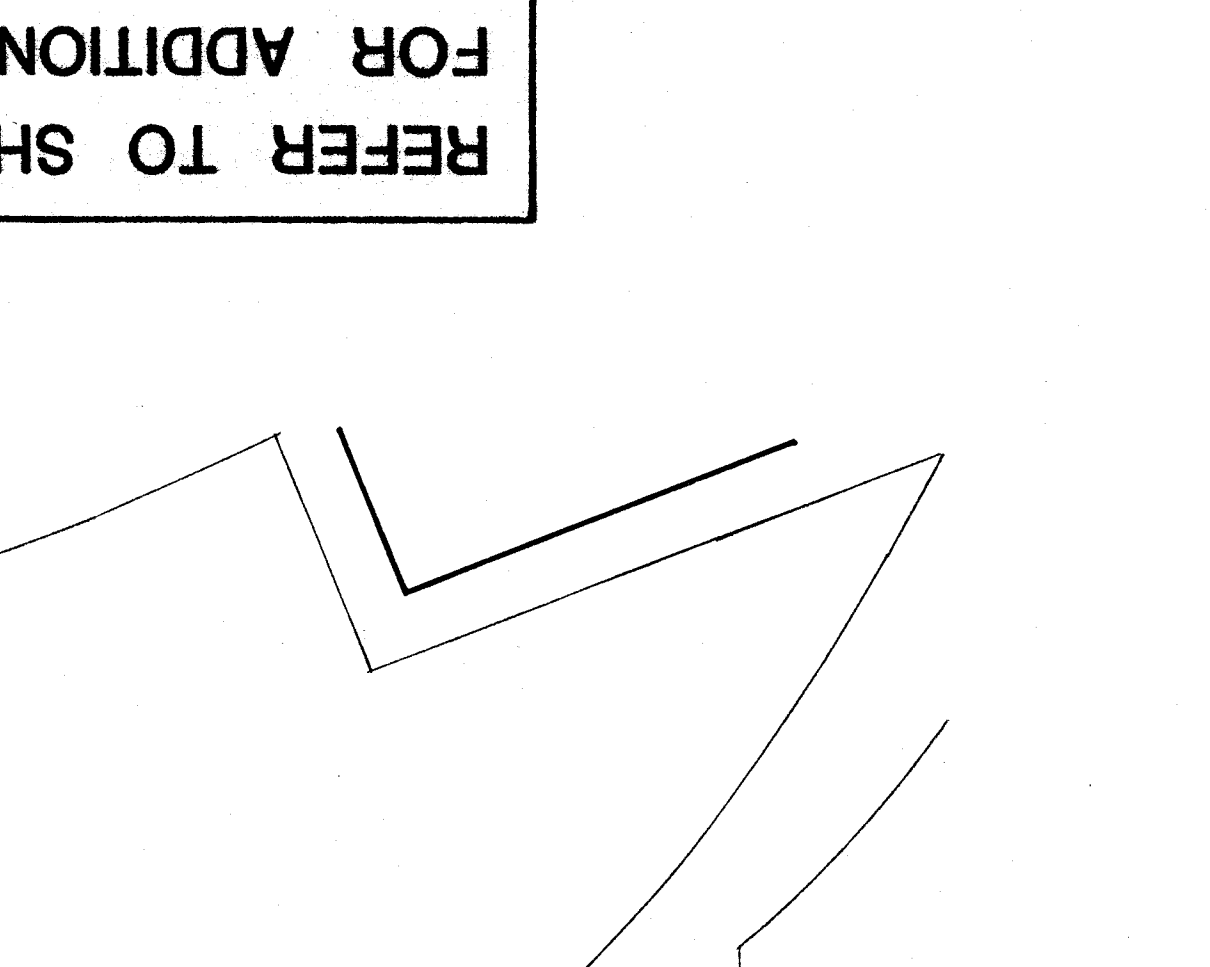
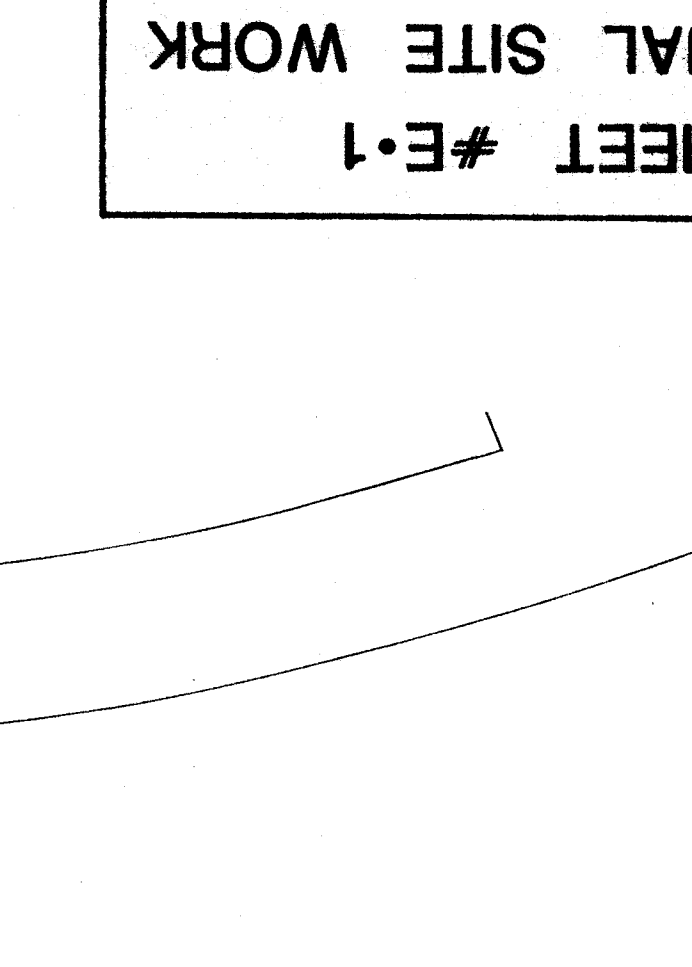
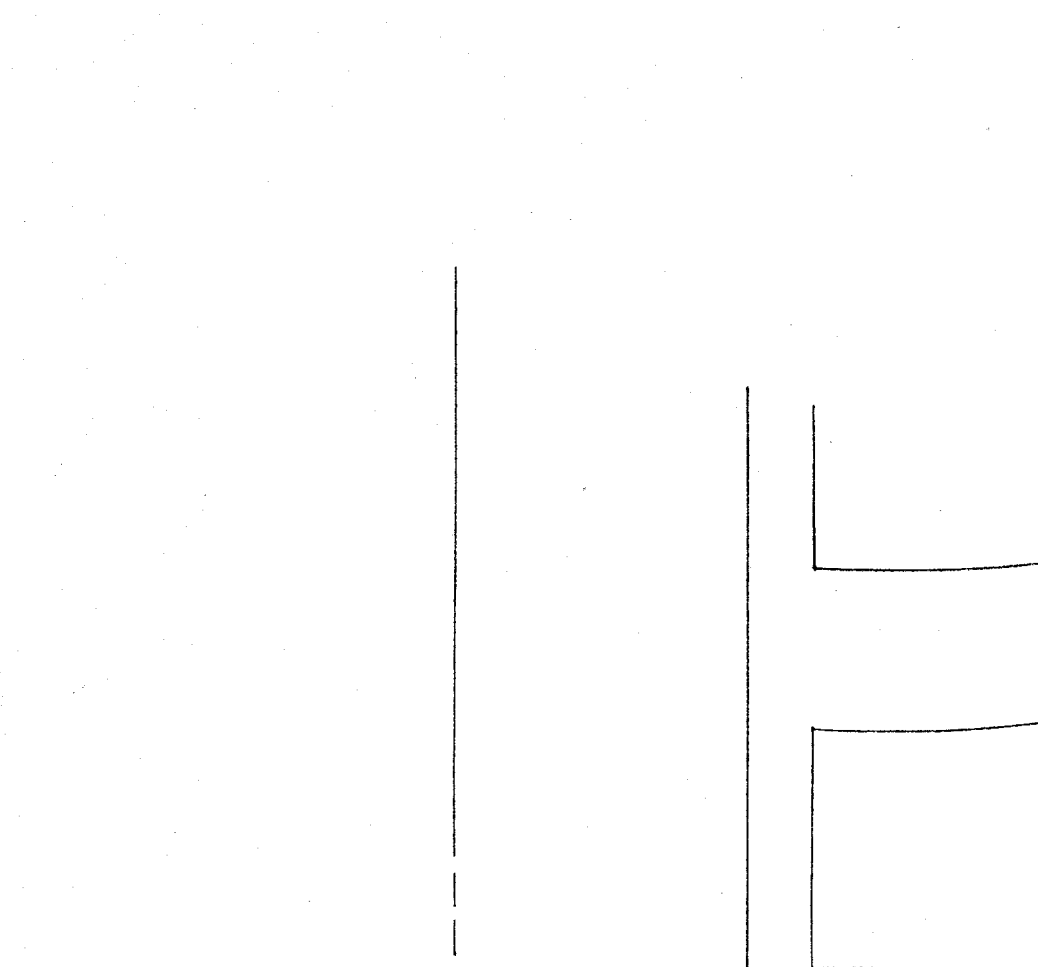
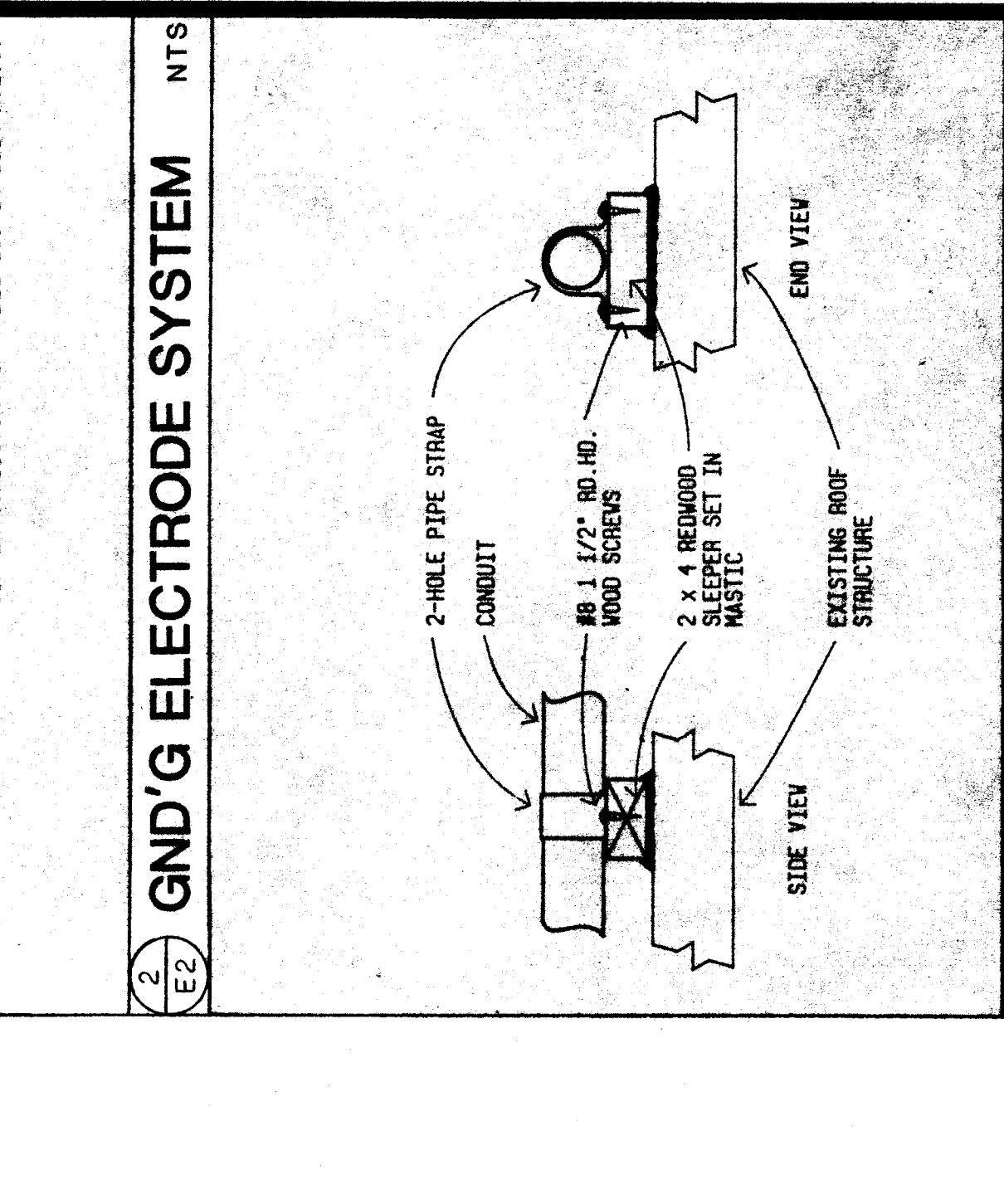
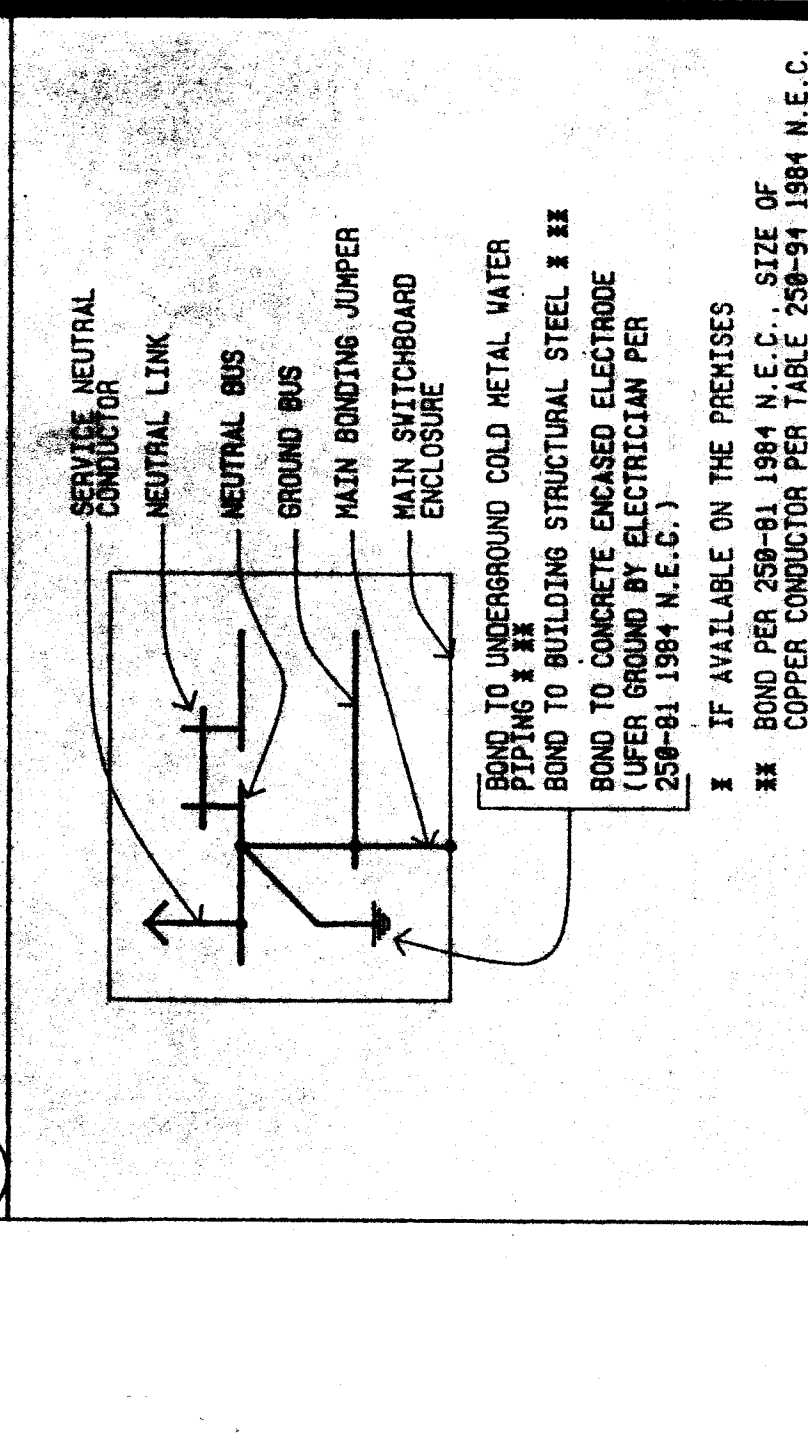
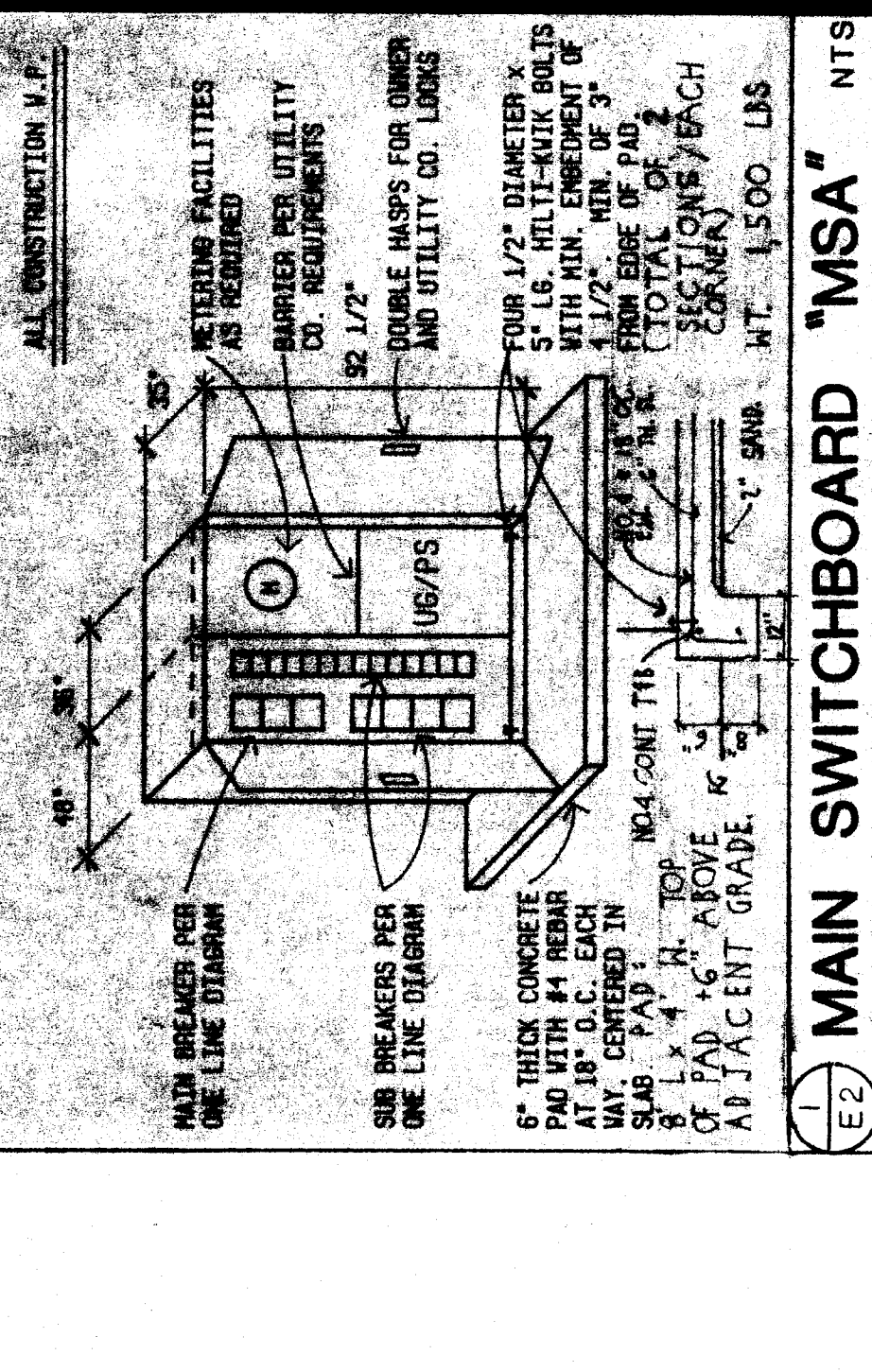
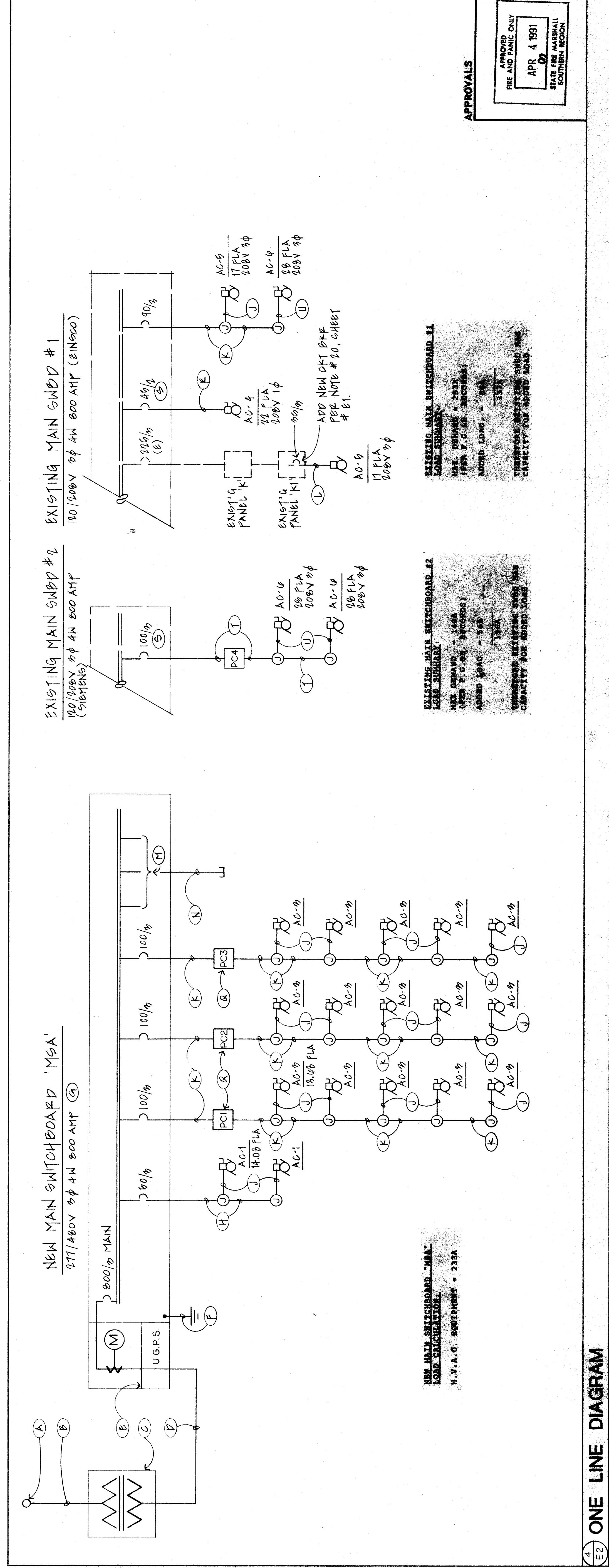
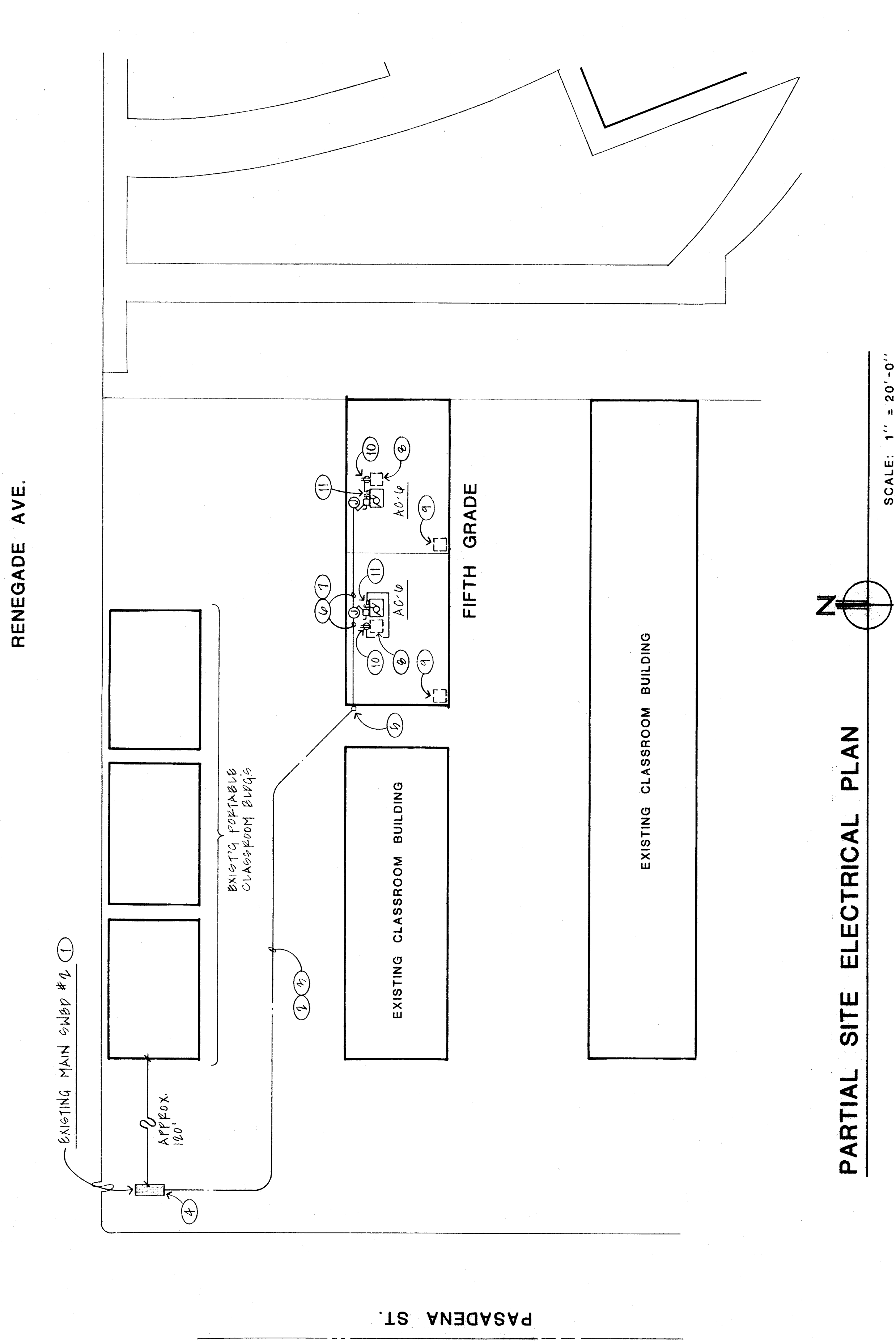
DATE: _____
 REVISIONS: _____

Drawn by: _____
 Checked by: _____
 Job No: 1012
 Sheet No: 2
 E. 2

PARTIAL SITE ELECTRICAL PLAN

- ON THE EXISTING ELECTRICAL PLAN, THE MAIN SWITCHBOARD IS SHOWN AS A 400 AMP SW. THIS SW. IS TO BE REPLACED BY A 277/480V 4W 800 AMP SW. THIS SW. IS TO BE INSTALLED ON THE ROOF OF THE BUILDING. REFER TO SHEET #E-1 FOR ADDITIONAL SITE WORK.
- VERIFY EXISTING AC SERVICE AS REQUIRED.
- VERIFY EXISTING LOCATIONS OF EXISTING UNDERGROUND LINES WITH OWNER AND UTILITY COMPANIES BEFORE STARTING EXCAVATION.
- LE ONLY SIDE OF EXISTING MAIN SWITCHBOARD #1, THIS SIDE UNDERGROUND.
- EXISTING SW 12" x 12" x 12" W/ 20 AMP COVER CAN AND MOUNT ON EXISTING WALL AS SHOWN ON DETAIL #5/8-2.
- NEW FEEDER ON TOP OF EXISTING ROOF. PROVIDE REMOVED BUSHING SET IN PLACE AT 5' INTERVALS PER DETAIL #5/8-2. REFER TO ONE LINE DIAGRAM, DETAIL #5/8-2 FOR ALL FEEDER SIZES.
- DISCONNECT EXISTING EVAPORATIVE COOLER BEING REMOVED. RE-ROUTE AND RECONNECT ANY FEED-THRU CIRCUITS TO REMAIN IN USE. REMOVE ALL EXISTING FEED-THRU CIRCUITS TO BE REMOVED. WEATHERPROOF DUPLEX RECEPTACLE AT NEW AC UNIT, IF POSSIBLE.
- DISCONNECT EXISTING FORCED AIR UNITS BEING REMOVED. RE-ROUTE AND RECONNECT ANY FEED-THRU CIRCUITS TO REMAIN IN USE. PULL OUT IDLE WIRE AND REMOVE ANY EXPOSED CONDUIT TO BELOW GRADE. PROVIDE A NEW WEATHERPROOF DUPLEX RECEPTACLE ON ROOF AND MOUNT ADJACENT TO NEW AC UNIT. CONNECT TO IDLE FORCED AIR UNIT CIRCUIT, IF 120V. IF NOT, CONNECT TO NEAREST UNSWITCHED 120V CIRCUIT. CONTRACTOR SHALL VERIFY AT SITE.
- CONNECT LOW VOLTAGE TRANSFORMER OF "MICROBOX" CONTROLLER (LOCATED AT NEW AC UNIT). CONNECT TO THE SAME 120V CIRCUIT AS THE FORCED AIR UNIT. PROVIDE A NEW DUPLEX RECEPTACLE PER NEW AC UNIT. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

FOR ADDITIONAL SITE WORK REFER TO SHEET #E-1



ALL CONSTRUCTION NTS
 MAIN BREAKER PER ONE LINE DIAGRAM
 BUS BREAKERS PER ONE LINE DIAGRAM
 FOUR 1/2" DIAMETER x 5-16 MULTI-MIX BOLTS AT 18" O.C. EACH
 3/4" DIA. X 5' LONG SLAB ANCHORS IN CONCRETE
 3" x 4" R. TOP NO. 4 CONCRETE REINFORCING BARS @ 18" O.C. TO FACE OF SLAB
 1/2" DIA. X 5' LONG ANCHORS AT FACE OF GRADE

GND'G ELECTRODE SYSTEM NTS
 2-HOLE PIPE STRAP
 CONDUIT
 2 x 4 REDWOOD SLEEPER SET IN MASTIC
 EXISTING ROOF STRUCTURE
 END VIEW
 SIDE VIEW

CONDUIT SUPPORT AT ROOF NTS
 NEW RISER POLE BY P.O.S. E.
 TWO 4" C (PRIMARY)
 TWO 4" C (SECONDARY)
 TWO 4" C (SECONDARY)
 TWO 4" C (SECONDARY)
 PROVIDE SPACE FOR WELDER OF ONE 480/3 AND TWO 255/3 CURRENT BREAKERS.
 THREE 3" C STUDS 5' AWAY FROM MAIN SWITCHBOARD ENCLOSURE.
 WEATHERPROOF FULL CAN ON ROOF PER PARTIAL SITE ELECTRICAL PLAN.
 WEATHERPROOF FULL CAN ON EXTERIOR WALL PER RESPECTIVE PARTIAL SITE ELECTRICAL PLAN.
 3/4" C - 2 #10 x 1 #10 GND
 ADD NEW WEATHER BREAKER TO EXISTING MAIN SWITCHBOARD. MATCH EXISTING A.T.C.
 1 1/2" C - 3 #10 x 1 #10 GND
 3/4" C - 3 #10 x 1 #10 GND

DATE: APRIL 4, 1991

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