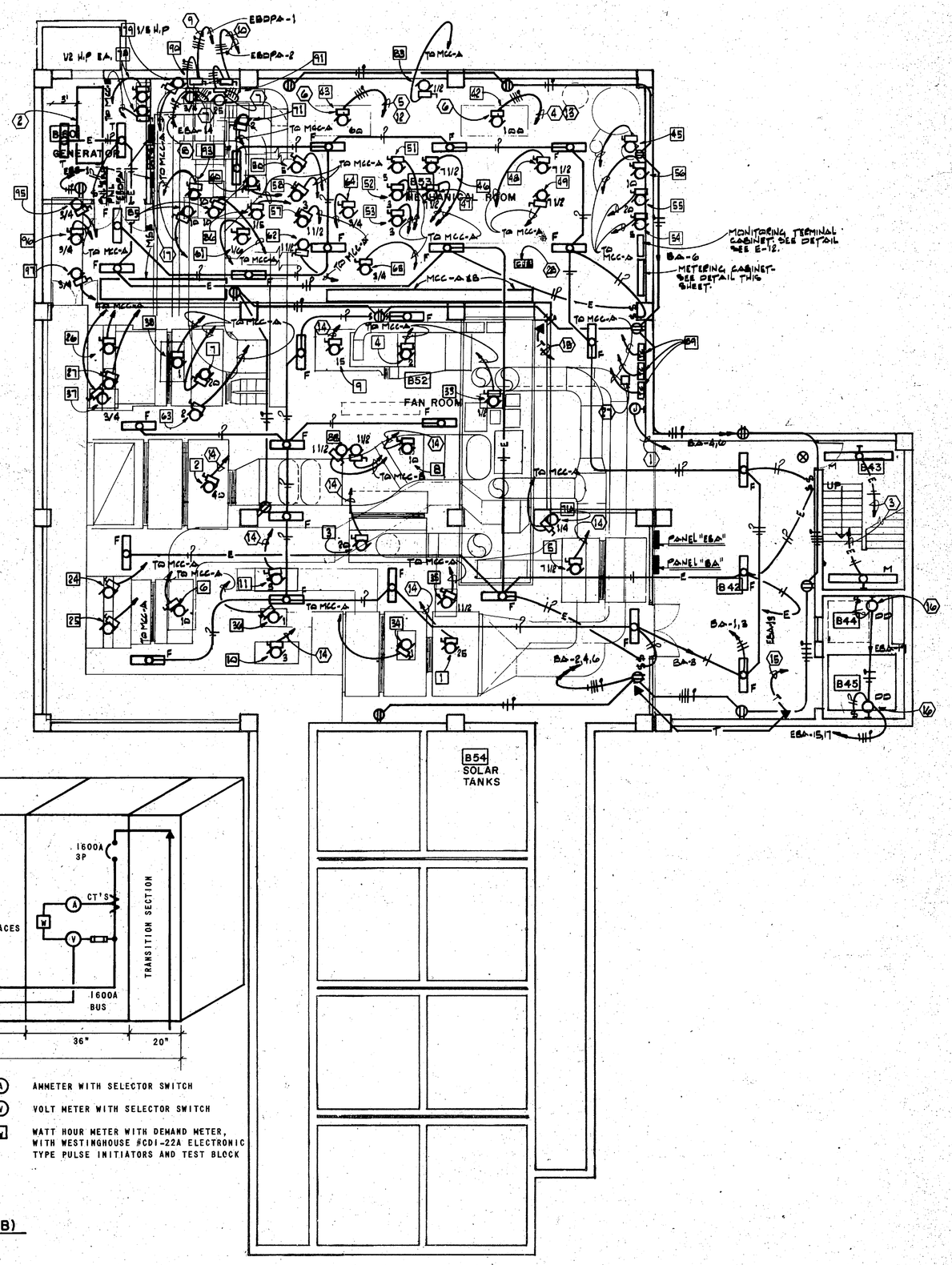
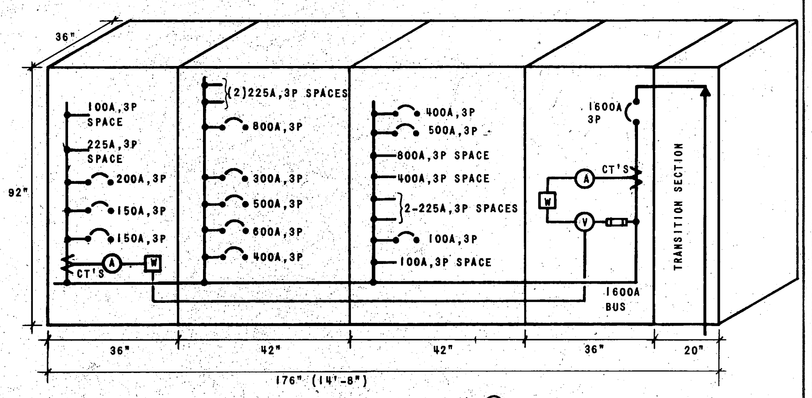


FLOOR PLAN, BASEMENT

1/8" = 1'-0"

NORTH



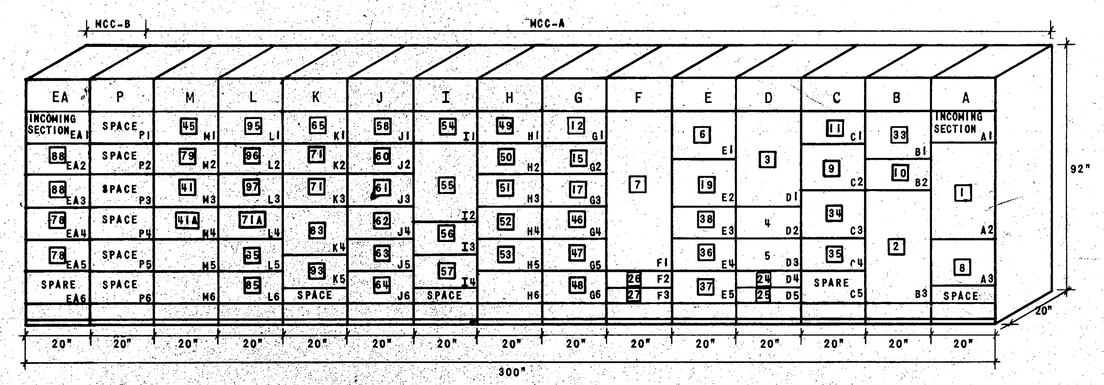
A AMMETER WITH SELECTOR SWITCH

V VOLT METER WITH SELECTOR SWITCH

W WATT HOUR METER WITH DEMAND METER, WITH WESTINGHOUSE #CDI-22A ELECTRONIC TYPE PULSE IMITIATORS AND TEST BLOCK

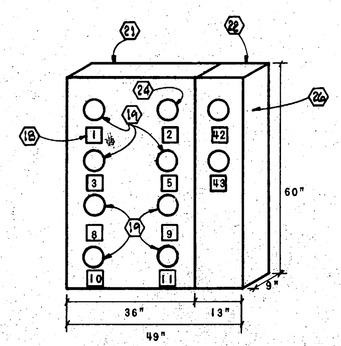
MAIN SWITCHBOARD (MSB)

NO SCALE



MOTOR CONTROL CENTER (MCC)

NO SCALE



METERING CABINET DETAIL

NO SCALE

NOTES

1. EMPTY 3/4"C. WITH PULLWIRE FOR FUTURE 480V SERVICE. UP TO J-BOX IN ROOM 152 LEVEL I FLOOR PLAN.
2. 100KW ENGINE GENERATOR. SEE SPECIFICATIONS FOR COMPLETE DESCRIPTION.
3. UP TO TYPE "M" FIXTURE LOCATED IN STAIRWELL ON FIRST LEVEL FLOOR PLAN.
4. 3#500MCM, 1#3GND-3 1/2"C.
5. 3#4/0, 1#3GND-2 1/2"C.
6. CHILLED WATER PUMP CONTROL PANEL(M).
7. PUMP CONTROL PANEL(M).
8. 2#10, 1#10GND-3/4"C.
9. 3#12, 1#12GND-3/4"C.
10. 3#1, 1#6GND-2"C.
11. SEE MOTOR CONTROL CENTER SCHEDULES FOR MOTOR WIRING REQUIREMENTS.
12. TO METERING CABINET. FROM METERING CABINET TO 300A, 3P CIRCUIT BREAKER IN MAIN SWITCHBOARD (MSB).
13. TO METERING CABINET. FROM METERING CABINET TO 500A, 3P CIRCUIT BREAKER IN MAIN SWITCHBOARD (MSB).
14. TO METERING CABINET. FROM METERING CABINET TO MOTOR CONTROL CENTER-A (MCC-A)
15. UP TO TELEPHONE TERMINAL BOARD ON LEVEL I FLOOR PLAN, ROOM 123.
16. WALL MOUNT IN ELEVATOR PIT.
17. WIRE BATTERY CHARGER FROM CIRCUIT FROM CIRCUIT EBB-2. WIRE ENGINE GENERATOR OIL PAN HEATER FROM EBB-4. WIRE ENGINE GENERATOR JACKET WATER HEATER FROM CIRCUIT EBB-3 (30A, 1P). WIRE WITH 2#10, 1#10GND-1/2"C.
18. LABEL EACH METER SOCKET WITH MECHICAL EQUIPMENT DESCRIPTION AND NUMBER. (TYPICAL)
19. POLYPHASE 100 AMP, 5 TERMINAL METER SOCKET WHICH WILL ACCEPT A V62 GENERAL ELECTRIC WATTHOUR METER.
20. METERS THEMSELVES SHALL NOT BE SUPPLIED UNDER THIS CONTRACT. CONTRACTOR SHALL SUPPLY JUMPERS SO THAT EQUIPMENT FED THROUGH THE METERS MAY BE USED UNTIL THE METERS THEMSELVES ARE INSTALLED.
21. WIRING FOR UNITS 1, 2, 3, 5, 8, 9, 10 AND 11 FROM MCC-A SHALL ENTER THE TOP OF THE CABINET, CONNECT TO ITS RESPECTIVE METER SOCKET, LEAVE THROUGH THE TOP OF THE CABINET, AND BE ROUTED TO ITS RESPECTIVE MOTOR.
22. WIRING FOR UNITS 42 AND 43 SHALL NOT BE UNDER THIS CONTRACT.
23. METERING CABINET SHALL BE OF SIMILAR DESIGN TO SQUARE "D" EZ METER PAK METER CENTERS WITHOUT INTERNAL BUSES OR CIRCUIT BREAKERS. ITE, GENERAL ELECTRIC AND WESTINGHOUSE ARE APPROVED EQUAL. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON THE METERING CABINET WITH ALL EQUIPMENT AND DIMENSIONS CALLED OUT. SEE SECTION 16010 OF THE ELECTRICAL SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS.
24. POLYPHASE 200 AMP, 5 TERMINAL METER SOCKET WHICH WILL ACCEPT A V62 GENERAL ELECTRIC WATTHOUR MATER.
25. CABINET SHALL BE SUPPLIED WITH ADDITIONAL KNOCKOUTS FOR FUTURE MONITOR WIRING.
26. METER SOCKET SHALL BE 100 AMP, 8 TERMINAL, CIRCUIT CLOSING TYPE. THE "MSB" SHALL HAVE PROVISIONS FOR MOUNTING CT'S ON FEEDERS FOR UNITS 42 AND 43.
27. 12"x12"x8" FLUSH MOUNTED WATERTIGHT JUNCTION BOX LOCATION FOR INSTRUMENT GROUND ELECTRODE. SEE DETAIL.
28. JUNCTION BOX ON CEILING FOR COMPUTER SYSTEM. SEE COMPUTER SYSTEM CONDUIT RISER DIAGRAM. SHEET E-12.

U.N.M. MECHANICAL ENGINEERING BLDG.

BASEMENT ELECTRICAL

STATE OF NEW MEXICO — NO. 1202 — JESSE A. PACHECO, JR. — CHARLES L. GRAHAM — NO. 340 — REGISTERED ARCHITECTS

pacheco and graham · architects

project	date	sheet
320/7627	11/20/78	E-1