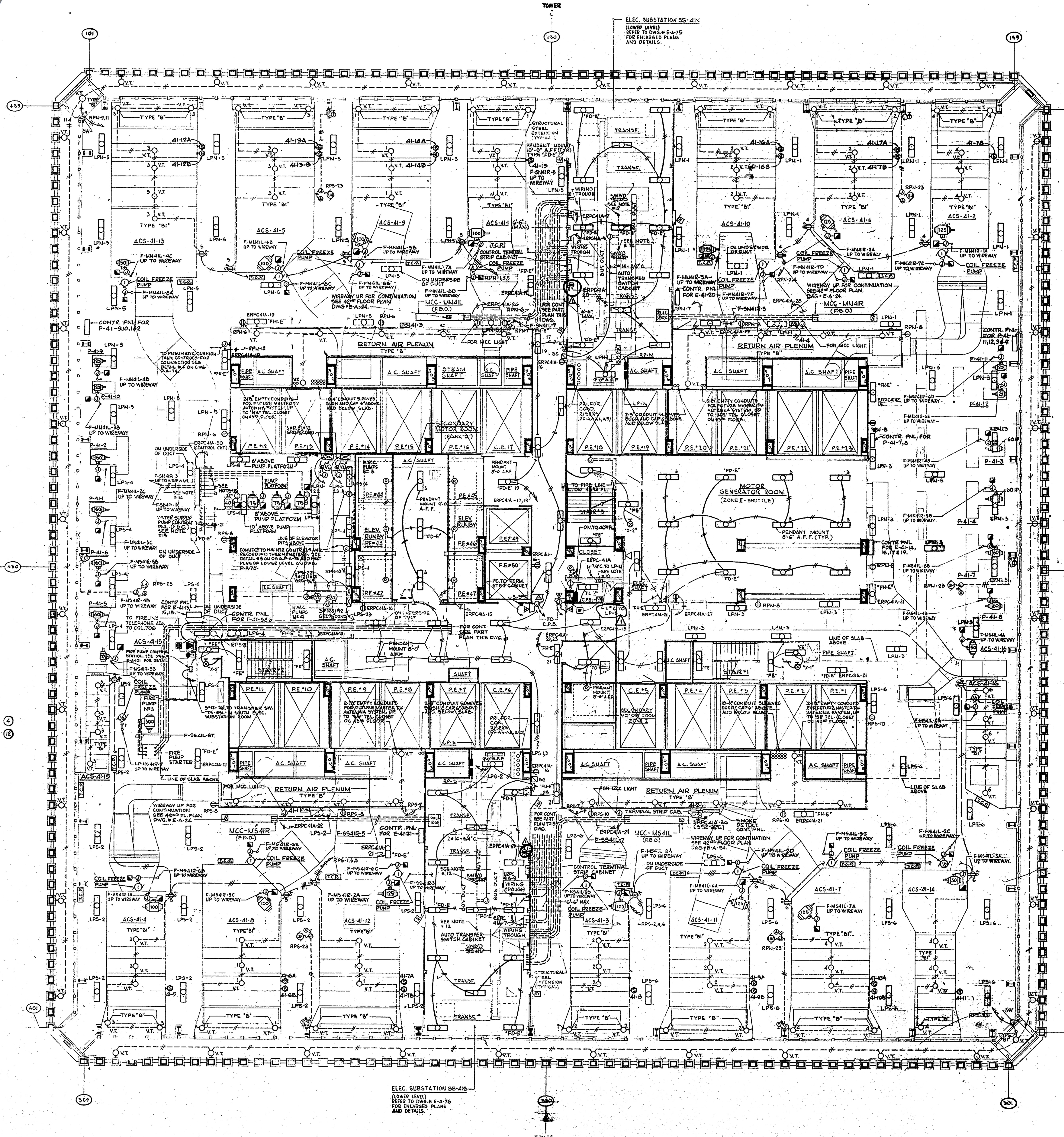
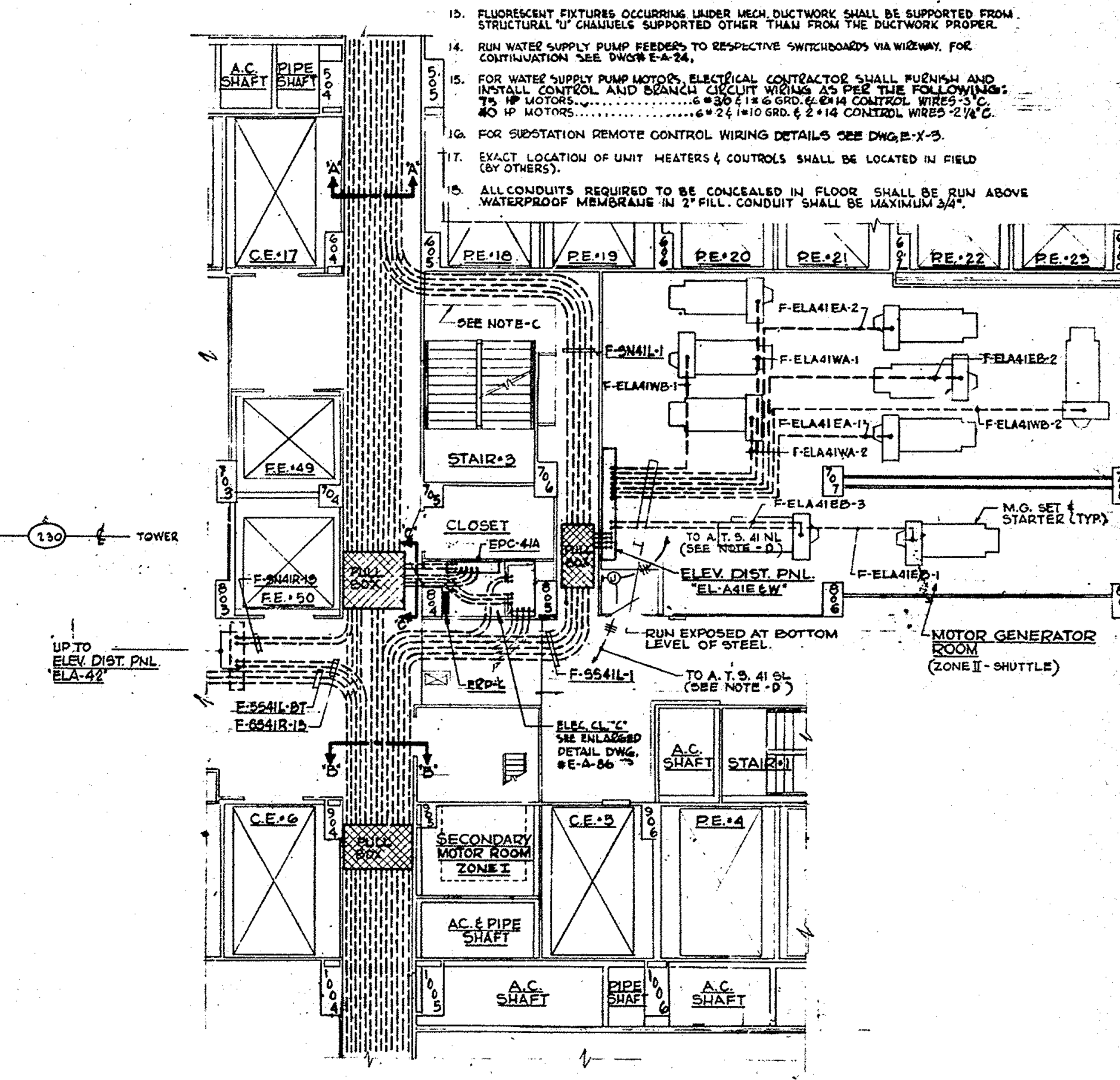


NORTH

NOTES:

1. THE LIGHTING LAYOUT FOR THE MECHANICAL EQUIPMENT ROOM REPRESENTS THE NUMBER, APPROXIMATE LOCATION AND GENERAL ARRANGEMENT OF LIGHTING FIXTURES. MINOR DEVIATIONS IN LOCATION AND HEIGHTS MAY BE MADE TO AVOID SPECIFIC INTERFERENCES WITH MECHANICAL WORK.
2. ALL FLUORESCENT CEILING FIXTURES SHALL BE TYPE "FD" PENDANT MOUNTED UNLESS OTHERWISE NOTED.
3. ALL FLUORESCENT WALL BRACKET FIXTURES SHALL BE TYPE "FH" MOUNTED 7'-6" A.F.F. UNLESS OTHERWISE NOTED.
4. FOR ADDITIONAL LIGHTING LAYOUT IN MECHANICAL EQUIPMENT ROOM SEE 42ND FLOOR PLAN DWG. # E-A-24.
5. CONTRACTOR SHALL WIRE ALL FIXTURES AND RECEPTACLES IN ACCORDANCE WITH CIRCUIT NUMBERS INDICATED ON DRAWING. IN MECH. EQPT. RM. ALL CONDUIT FOR LIGHTING FIXTURES SHALL BE RUN EXPOSED UNLESS OTHERWISE SHOWN.
6. ALL MECHANICAL EQUIPMENT & SUBSTATION ROOM TYPE "FD" & "FD-E" FLUORESCENT FIXTURES SHALL BE PENDANT MOUNTED (10'-0" A.F.F.) UNLESS OTHERWISE NOTED.
7. ALL VERT. COND. & OUTLETS CONCEALED IN WALLS SHALL NOT BE CLOSER THAN 20" FROM FINISH DOOR OPENING.
8. WIREWAYS CONTAINING MORE THAN 30 CURRENT CARRYING CONDUCTORS SHALL BE PROVIDED WITH 6" HIGH BARRIERS.
9. TYPE "B" FIXTURES IN RETURN AIR PLENUMS SHALL BE MOUNTED WITH TOP OF FIXTURE 6'-0" A.F.F.
10. REFER TO DRAWING # E-A-118 FOR TYPICAL WIRING DIAGRAM SHOWING METHOD OF CONTROLLING RELAYS IN LIGHTING PANELBOARDS.
11. ALL INCANDESCENT LIGHTING FIXTURES IN AREAWAY AROUND PERIMETER OF BUILDING SHALL BE TYPE "B" (VAPORPROOF) 7'-0" A.F.F. UNLESS OTHERWISE NOTED.
12. FOR WIRING OF BREAK GLASS SWITCHES TO MAIN SERVICE PROTECTORS (L-MS & R-MS) SEE DIAGRAM ON DWG. E-A-107.
13. FLUORESCENT FIXTURES OCCURRING UNDER MECH. DUCTWORK SHALL BE SUPPORTED FROM STRUCTURAL "U" CHANNELS SUPPORTED OTHER THAN FROM THE DUCTWORK PROPER.
14. RUN WATER SUPPLY PUMP FEEDERS TO RESPECTIVE SWITCHBOARDS VIA WIREWAY. FOR CONTINUATION SEE DWG# E-A-24.
15. FOR WATER SUPPLY PUMP MOTORS, ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONTROL AND BRANCH CIRCUIT WIRING AS PER THE FOLLOWING: 75 HP MOTORS..............6 #3/0 & 1 #6 GRD. & 6 #14 CONTROL WIRES-3"C. 40 HP MOTORS..............6 #2 & 1 #10 GRD. & 2 #14 CONTROL WIRES-2 1/2"C.
16. FOR SUBSTATION REMOTE CONTROL WIRING DETAILS SEE DWG. E-X-3.
17. EXACT LOCATION OF UNIT HEATERS & CONTROLS SHALL BE LOCATED IN FIELD (BY OTHERS).
18. ALL CONDUITS REQUIRED TO BE CONCEALED IN FLOOR SHALL BE RUN ABOVE WATERPROOF MEMBRANE IN 2" FILL. CONDUIT SHALL BE MAXIMUM 3/4".



PART PLAN OF CORE AREA-POWER

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

NOTES:

A. ALL CONNECTIONS TO ALL ELEVATOR EQUIPMENT SHALL BE MADE IN ACCORDANCE WITH APPROVED ELEVATOR SHOP DRAWINGS.

B. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE ELEVATOR CONTRACTOR FOR POSSIBLE COMMON USE OF A WIRING TROUGH OVER THE ELEVATOR MOTOR GENERATOR SETS IN LIEU OF USING SEPARATE CONDUIT RUNS TO THIS EQUIPMENT.

C. CONDUITS SHOWN PASSING THRU STAIR #3 TO BE ENCLOSED IN FIREPROOF SOFFIT.

D. REFER TO DWG. # E-X-11 FOR ELEVATOR CONTROL RISER DIAGRAM.

1 1 2 2 3 4 4 4 4 4
5 5 5 5 6 7 8 9 10

SECTION 'A-A'

NOT TO SCALE

1 1 1 1 1 2 2 3 3 4 4 4
5 6 7 8 9 9 10 11 12 12 12 12

SECTION 'B-B'

NOT TO SCALE

LEGEND

SECTION 'AA'

1. F-SN41R-13
2. F-EPC41A-2
3. F-EPC41A-3
4. F-SN41L-1
5. 3 1/2" EMPTY CONDUIT
6. F-SN41R-10
7. F-SN41R-11
8. F-SN41R-12
9. 3" CONTROL CONDUIT
10. F-SN41R-BT

SECTION 'BB'

1. F-SS41L-1
2. F-EPC41A-2
3. F-SS41R-13
4. F-SS41L-BT
5. F-SS41R-12
6. F-SS41R-11
7. F-SS41R-10
8. 3" CONTROL CONDUIT
9. F-ESP-6 (FIRE PUMP)
10. F-EPC41A-3
11. F-SS41R-BT
12. 3 1/2" EMPTY CONTROL

1 1 2 3 3 4
5 6 7 8 9 10

SECTION 'C-C'

NOT TO SCALE

LEGEND

SOUTH

1. F-EPC41A-2
2. F-EPC41A-3
3. F-SS41R-BT

NORTH

3. F-EPC41A-2
4. F-EPC41A-3
5. F-SN41R-10
6. F-SN41R-11
7. F-SN41R-12
8. CONTROL CONDUIT
10. F-SN41R-BT

CONTRACT BID DRAWING date OCT. 16, 1967

NO.	DATE	BUL. NO.	BY	NO.	DATE	BUL. NO.	BY
1	12-18-67						

REVISIONS — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

1/8" = 1'0" scale 5 0 5 10 15 20 feet

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES — MINORU YAMASAKI, ARCHITECT
EMERY ROTH & SONS — RICHARD ROTH, ARCHITECT
WORTHINGTON, SKILLING, HELLE & JACKSON — STRUCTURAL ENGINEERS
JAROS, BAUM & BOLLES — MECHANICAL ENGINEERS
JOSEPH R. LORING & ASSOCIATES — ELECTRICAL ENGINEERS
THE PORT OF NEW YORK AUTHORITY — PAVING, UTILITIES, FOUNDATIONS

TITLE: LIGHTING AND POWER 41ST FLOOR - M.E.R.

DRAWN	R.F.H.	CHECKED	J.R.L.
SCALE	1/8"=1'-0"	DATE	OCT. 16, 1967
PROJECT NUMBER		SHEET 21	OF 114
DRAWING NUMBER	E-A-23		

FileJuicer
File Juicer