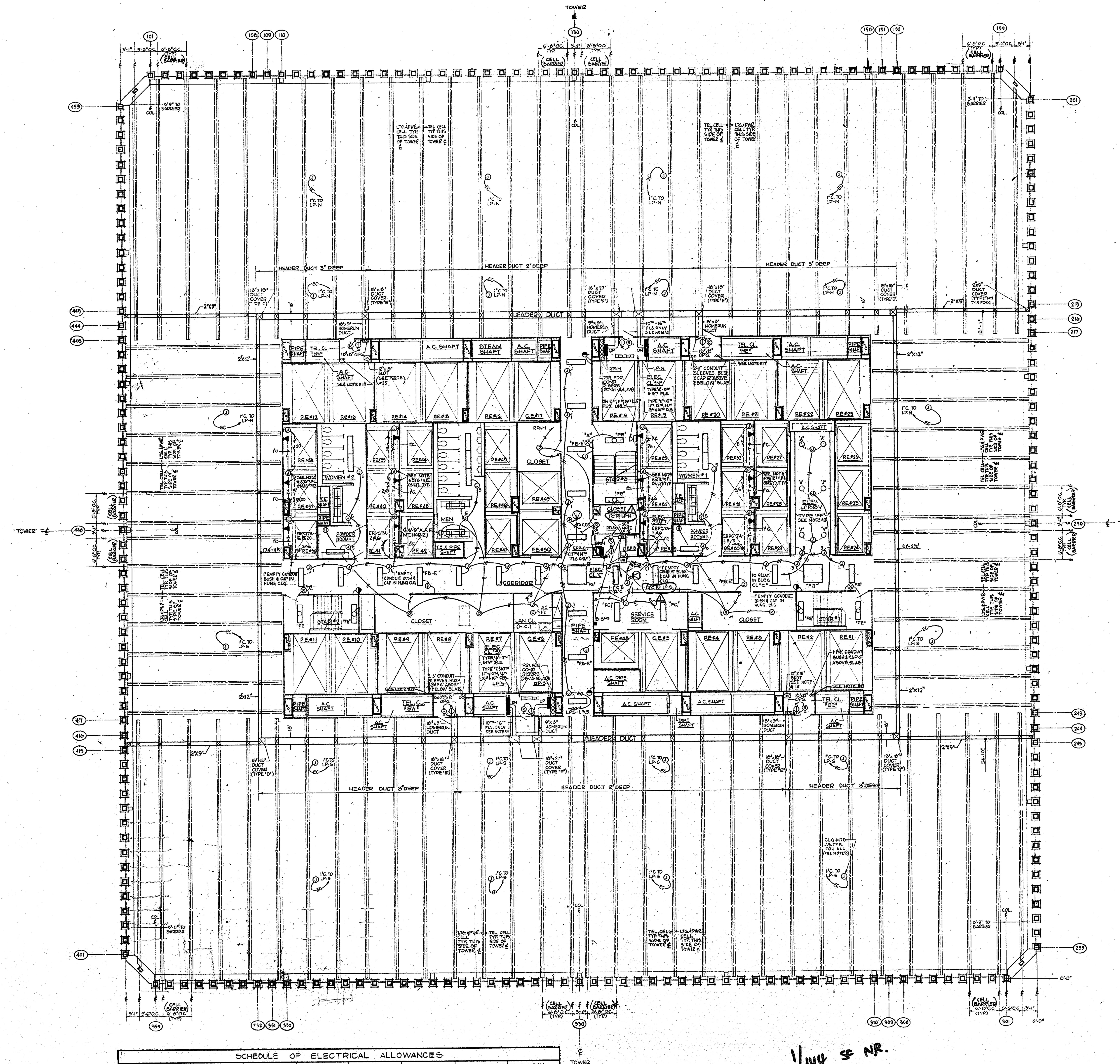


NORTH

NOTES

1. ALL DIMENSIONS INDICATING LOCATION OF HEADER DUCTS SHALL BE FROM COLUMN CENTER-LINES 0'-0" @ SE. CORNER OF FLOOR PLAN.
2. ALL LTG/PWR & TELEPHONE CELLS WILL BE FURNISHED & INSTALLED BY OTHERS AS PART OF A BLENDED STEEL DECK.
3. UNLESS OTHERWISE NOTED ALL HEADER DUCT COVERS SHALL BE 9"x9" (TYPE "A") TYP. FOR 9" DUCTS, 9"x18" (TYPE "B") TYP. FOR 18" DUCTS, AND 9"x12" (TYPE "B-1") TYP. FOR 12" DUCTS.
4. PROVIDE HOMERUN DUCT AND 18"x27" DUCT COVER AND DELETE CEILING MOUNTED JUNCTION BOXES WITH EMPTY CONDUIT HOMERUNS UNDER CEILING WIRING SYSTEM ALTERNATE "G (SEE SPECIFICATIONS). FOR BASE BID PROVIDE 9"x18" DUCT COVER OVER JUNCTION OF CELL AND HEADER DUCT.
5. LOCATE AT CENTER OF RISE WHERE INDICATED ON APPROVED ELEVATOR SHOP DRAWINGS.
6. ALL CORRIDOR AND POWDER ROOM 1'x4' FLUORESCENT FIXTURES SHALL BE TYPE "FB" UNLESS OTHERWISE NOTED.
7. ALL TOILET FLUORESCENT FIXTURES SHALL BE TYPE "FC".
8. SPECIAL TYPE "FF" FLUORESCENT FIXTURE IN CONTINUOUS ROW CONSISTING OF 7-4' SECTIONS.
9. VERTICAL CONDUIT RISERS FOR ALL ELECTRIC AND TELEPHONE CLOSET LIGHTS AND CONDUIT IN ELEVATOR SHAFTS SHALL BE RUN EXPOSED.
10. ALL VERT. COND. & OUTLETS CONCEALED IN WALLS SHALL NOT BE CLOSER THAN 20" FROM FINISH DOOR OPENING.
11. ALL HEADER DUCTS WILL BE FIREPROOFED AT UNDERSIDE OF SLAB FOR A WIDTH OF 4'-0" WITH A SPRAY-ON TYPE FIREPROOFING BY OTHERS.
12. REFER TO DRAWING #E-A-118 FOR TYPICAL WIRING DIAGRAM SHOWING METHOD OF CONTROLLING REMOTE CONTROL SWITCHES AND RELAY IN LIGHTING PANELBOARDS.
13. COMBINATION SINGLE POLE SWITCH AND PILOT LIGHT IN ALL ELEVATOR MACHINE, SECONDARY MOTOR, FIRE RESERVE TANK AND MOTOR GENERATOR ROOMS SHALL BE OF THE TYPE WHICH WILL BE ILLUMINATED WHEN SWITCH IS IN OFF POSITION.
14. FLOOR SLAB IN CLOSET IMMEDIATELY NORTH OF ELECTRIC CLOSET "C" SHALL BE KEPT CLEAR OF ALL CONDUITS.
15. ON 9TH FLOOR ONLY, PROVIDE 10-4" CONDUIT SLEEVES IN LIEU OF 12"x18" SLOT. BUSH & CAP 6" ABOVE AND BELOW SLAB.
16. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TELEPHONE CLOSETS WITH 3/4" PLYWOOD BOARDS (8' HIGH AND FULL WIDTH) ON BACK AND SIDE WALLS.
17. 2-1½" CONDUIT SLEEVES FOR FUTURE MASTER T.V. ANTENNA SYSTEM. BUSH AND CAP 6" ABOVE AND BELOW SLAB. (IN S.E. TEL. CL. - 1-1½" CONDUIT SLEEVE ONLY.)

p.338 spec.

				Electrically
C	"A"	120 W or 200 W. recessed in cand.		720 W. to 1200 W.
C	"FF"	7@(90W+10W) = 350 W / side		700 W
1	"FG"	8@(90W+10W) = 400 W		400 W

REFERENCE NOTES

A. REFER TO DWG. # E-A-1 FOR DRAWING INDEX AND SYMBOL LIST.
B. REFER TO DWGS. # E-A-83-86 FOR ELECTRIC CLOSET DETAILS.
C. REFER TO DWGS. # E-A-121-123 FOR HEADERDUCT DETAILS.
D. REFER TO DWGS. # E-A-94-97 FOR EMERG. LIGHTING AND RECEPT. RISER DIAGRAMS.
E. REFER TO ARCHITECTURAL UNIT PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES IN FINISHED SPACES.

SCHEDULE OF ELECTRICAL ALLOWANCES

FLOOR NO.	NET RENTABLE AREA. (S.F.)	20"x100' 6 LAMP TENANT STANDARD FIXTURE. 1/150 ⌀' TYPE "FA"	STANDARD WIRING METHOD. JUNCTION BOX IN CEILING. (BASE BID ONLY) 1/300 ⌀	PLUG-IN CEILING WIRING ASSEMBLY (ALTERNATE BID ONLY) 1/450 ⌀'	12"x48" 2-LAMP CORE CORRIDOR FIXTURE W/JUNCTION BOX IN CEILING. TYPES "B" & "FB-E"	DUPLEX RECEPTACLE FLOOR SERVICE FITTING (BASE BID ONLY) 1/125 ⌀'	TELEPHONE FLOOR SERVICE FITTING (BASE BID ONLY) 1/400 ⌀'	COMBINATION RECEPT-TELEPHONE FLOOR SERVICE FITTING (ALTERNATE BID ONLY) 1/120 ⌀'
9	37,381	260	130	85	7	315	95	330
10	37,386	260	130	85	7	315	95	330
11	37,385	260	130	85	7	315	95	330
12	37,406	255	130	85	7	305	95	320
13	37,406	255	130	85	7	305	95	320
14	37,406	255	130	85	7	305	95	320
15	37,406	255	130	85	7	305	95	320
16	37,406	255	130	85	7	305	95	320

ADD 2 TYPE "X" EXIT LIGHTS PER FLOOR AS PART OF ALLOWANCES (SEE SPECIFICATIONS).

NINTH FLOOR 8" SLAB CONSTRUCTION REQUIRES EXTRA HIGH INSERTS.

FLOOR 9
N.R = 37,381 260 fixtures = 1/144 SF NR.
N.U = 30,961 260 fixtures = 1/119 SF N.U.

CONTRACT BID DRAWING date OCT. 16, 1967

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

REVISIONS — REVISIONS

LICENSED PROFESSIONAL ENGINEER JOSEPH R. LORING STATE OF NEW YORK 28344

APPROVED

CHIEF, PLANNING DIVISION
DATE

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

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

DRAWING Nº E-A-14 AND E-A-15 NOT PART OF THIS CONTRACT.

TITLE: LIGHTING AND POWER 9TH-16TH FLOORS

DRAWN	Z.F.H.	CHECKED	I.P.L.
SCALE	1/8" = 1'-0"	DATE	OCT. 16, 1967
PROJECT NUMBER		SHEET	14 OF 11
DRAWING NUMBER	E-A-16		

FileJuicer