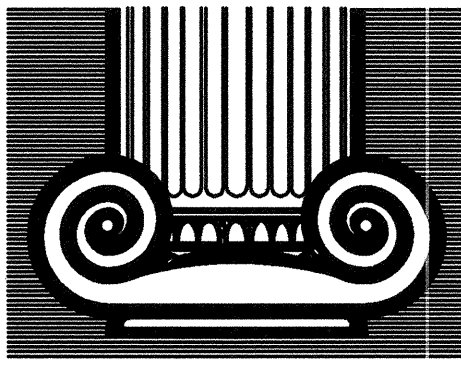
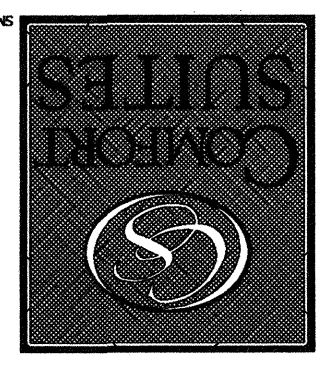




DRAWN:
APPROVED:

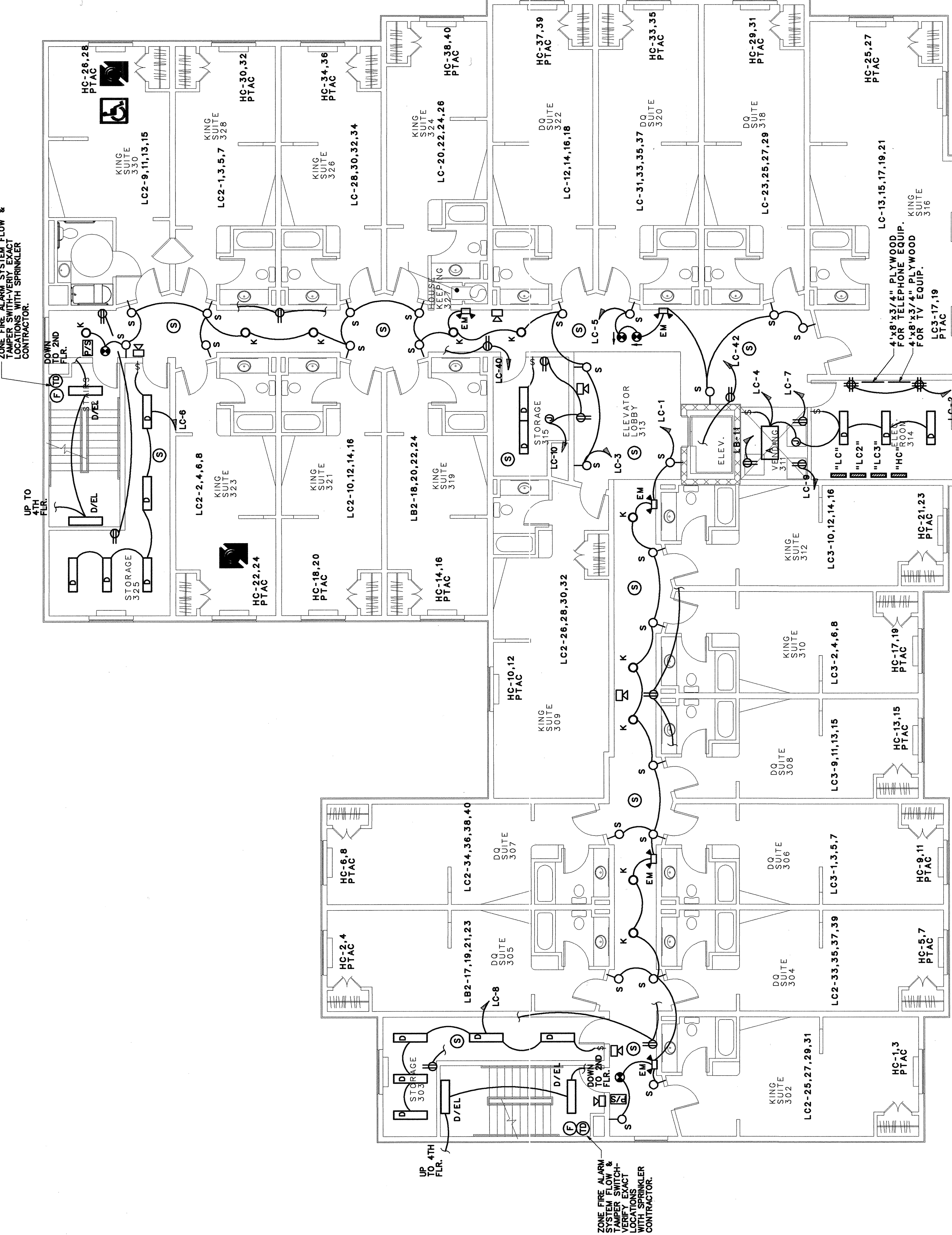
DATE COMMENTS
REVISIONS
JOB# 2292-1107
DATE 12-14-07

FLOWOOD, MS



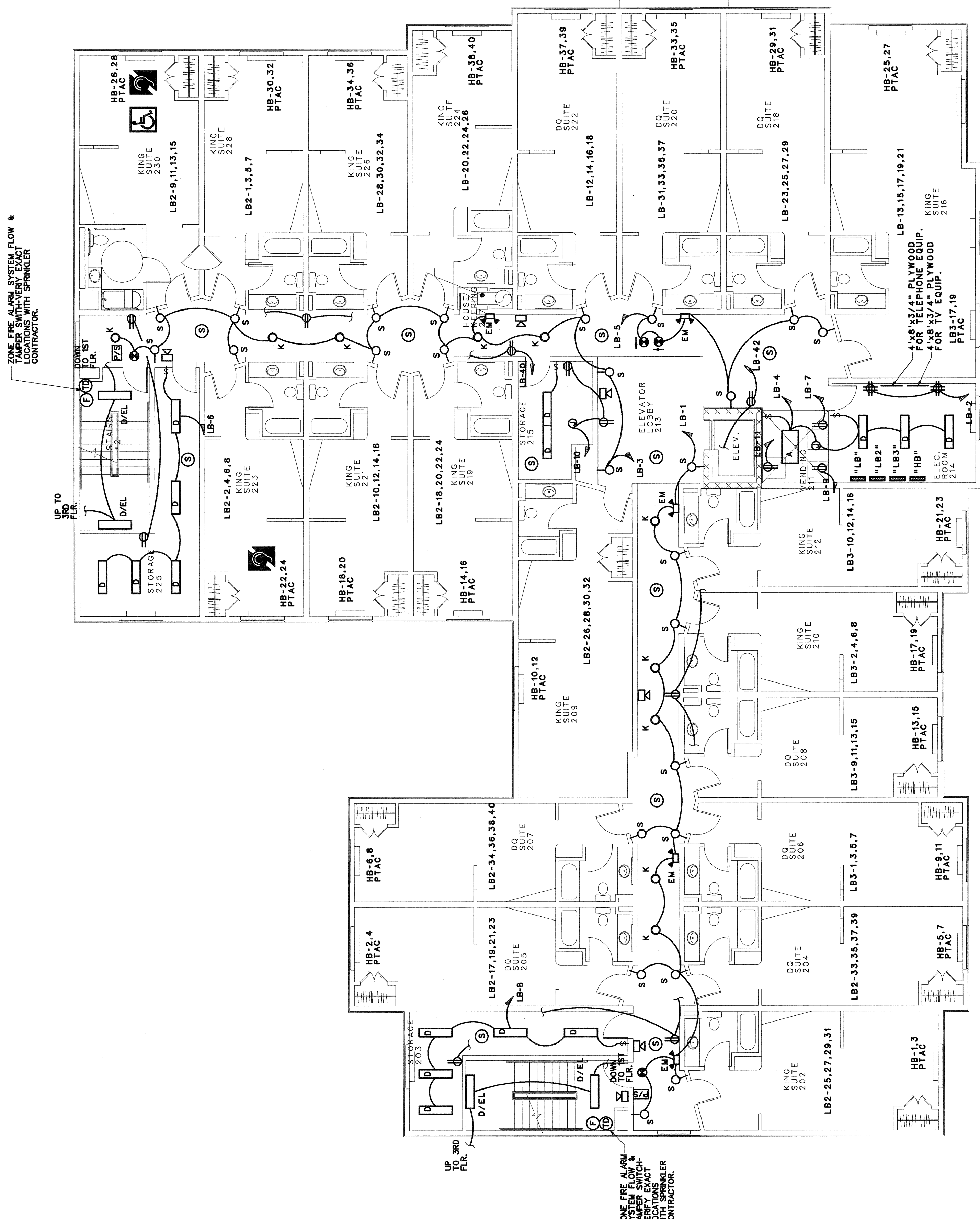
70 UNITS

SHEET
E3.0



ELECTRICAL PLAN - THIRD FLOOR

SCALE: 1/4" = 1'-0"



ELECTRICAL PLAN - SECOND FLOOR

SCALE: 1/4" = 1'-0"

TYPICAL 2ND, 3RD, 4TH FLOOR LOAD CALCULATIONS:

- A. GENERAL LIGHTING LOAD
COMMON AREA- 2475 SQ. FT. x 3W/50. FT. = 7425 VA
PER NEC 220.14, LO AND
TABLE 220.42
GUEST SUITES- 9786 SQ. FT. x 2 W/50. FT. x 0.5- 9786 VA
TOTAL GENERAL LIGHTING LOAD PER FLOOR- 17215 VA
FEEDER CAPACITY - 17215 VA x 1.25 = 21519 VA
USE 100A FEEDER 1/4" C, 4-3, 1486.
- B. LARGER OF A/C AND HEAT
PTAC- 10 AMPS x 208 VOLTS = 2080 VA / EA
PTAC- 10 AMPS x 208 VOLTS = 2080 VA / EA
TOTAL LOAD = 10 x 2080 = 20800 VA
FEEDER CAPACITY - 20800 VA x 1.25 = 26000 VA
USE 200A FEEDER 2" C, 4-3, 1486.