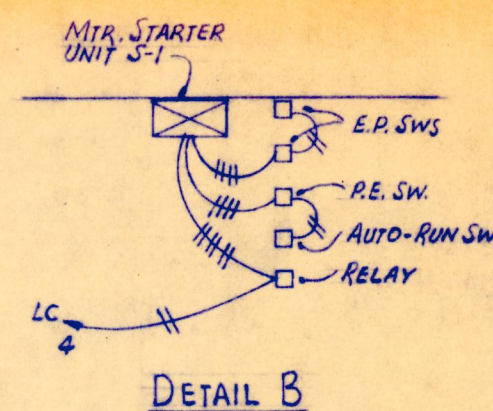
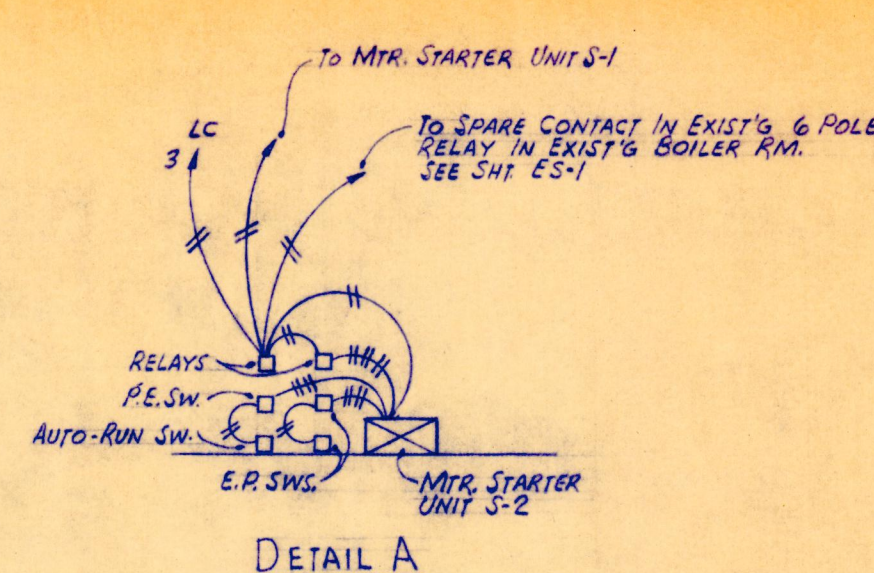


NOTES

1. ALL LIGHT FIXTURES TYPE 'A' UNLESS NOTED OTHERWISE.
2. TYPE 'A' LIGHT FIXTURES IN ECONOMICS, SEWING & SPEECH RMS. SHALL HAVE LAMPS IN EACH FIXTURE WIRED FOR TWO SWITCH CONTROL.
(OUTSIDE LAMPS ON ONE SWITCH & INSIDE LAMPS ON ONE SWITCH)
3. LOCATE ALL OUTLETS FOR RANGES IN COUNTERS AS DIRECTED.
4. SEE SPECS. FOR MTG. HT. OF TYPE 'M' FLOOD LIGHTS.



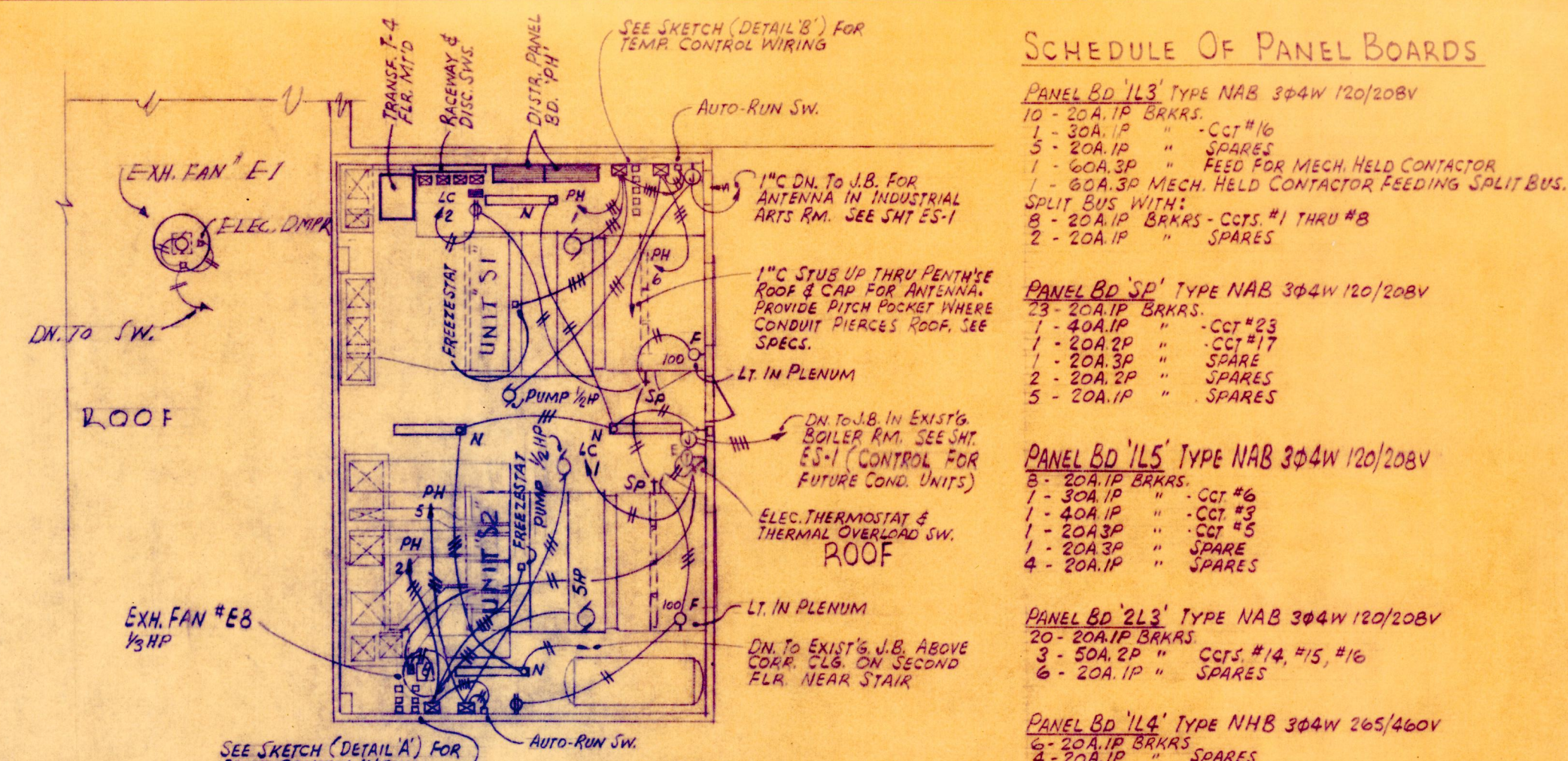
DETAIL B



DETAIL A

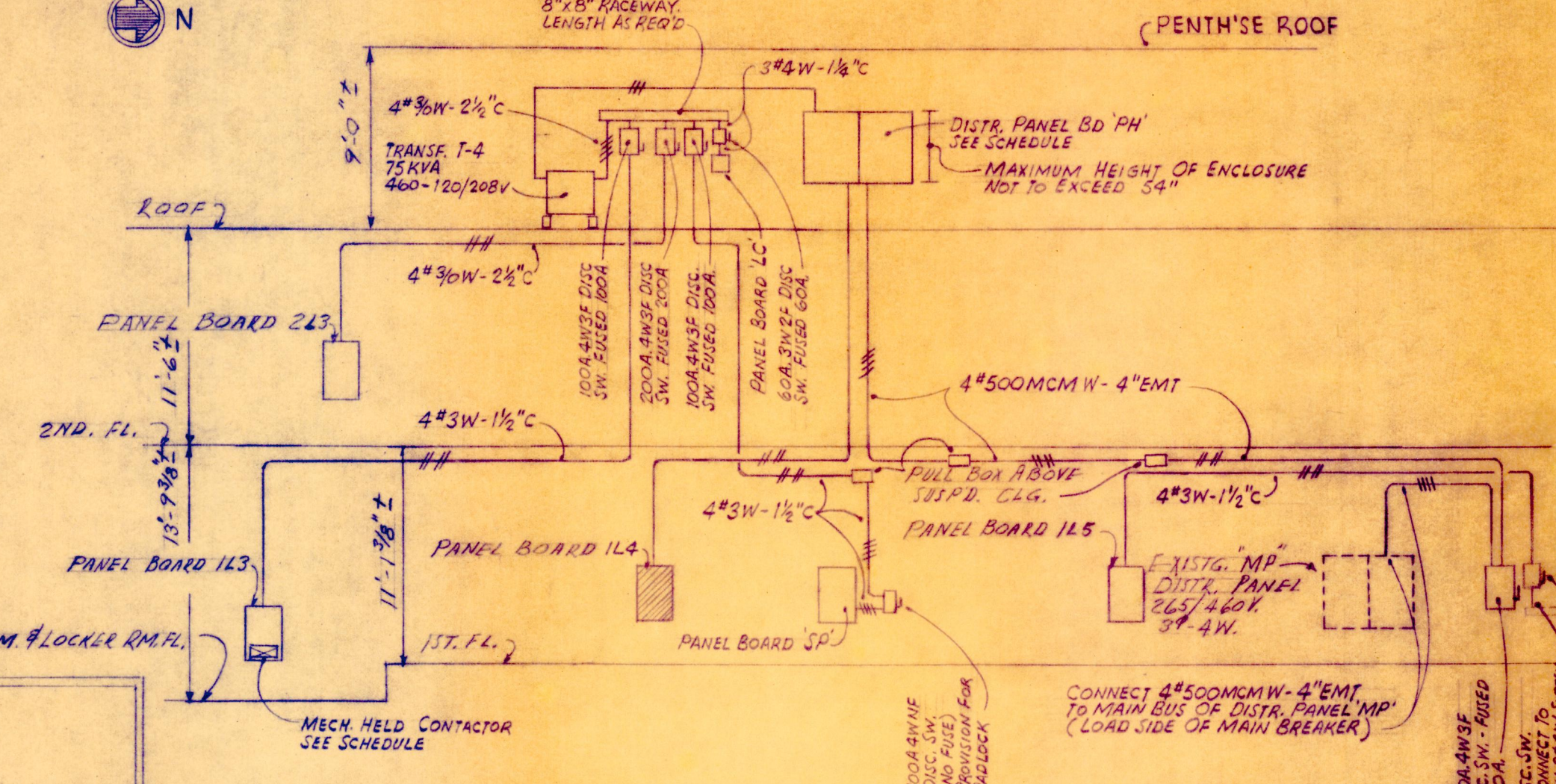
SKETCH OF ADDITIONAL TEMP. CONTROL WIRING NOT SHOWN ON PLAN

NOTE: SEE TEMPERATURE CONTROL DIAGRAMS SHEET MS-4



PLAN OF PENTHOUSE ON ROOF
SCALE - $\frac{1}{8}'' = 1'-0''$

SCALE $\frac{1}{8}" = 1'-0"$



ELECTRICAL RISE- DIAGRAM

NO SCALE

NOTE

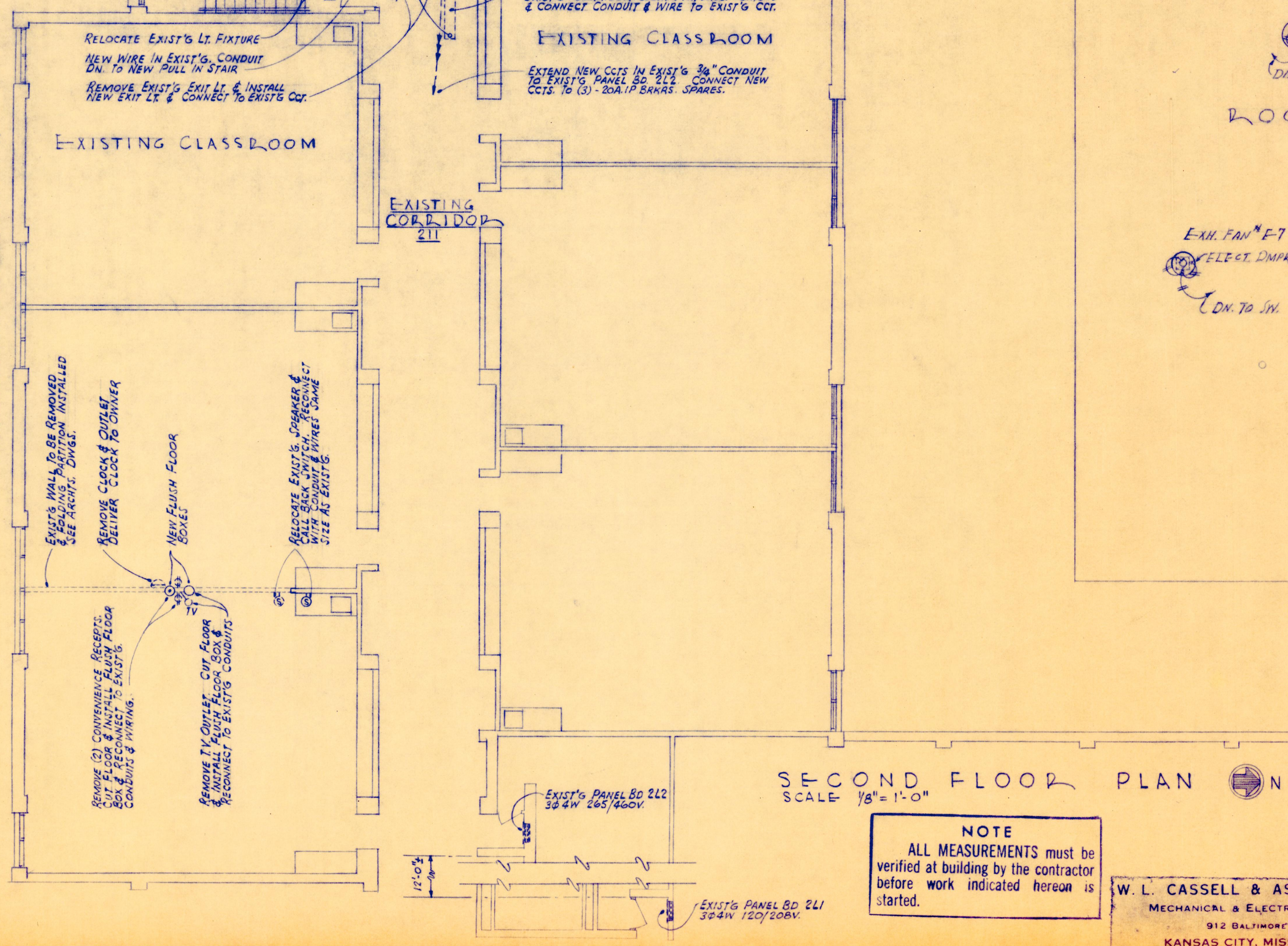
1. SEE SCHEDULES FOR CONDUIT & WIRE SIZES NOT INDICATED ON RISER DIAGRAM.
2. PROVIDE ADDITIONAL PULL BOXES WHERE REQ'D.
3. BALANCE ALL LOADS EQUALLY BETWEEN PHASES A, B, C & NEUTRAL.

SCHEDULE OF SWITCHES IN DIST. PANEL BOARD 'PH'							
CHG. NO.	FEDDERS SERVED	H.P.	AMPS. RUN	SIZE SW.	TYPE SW.	FUSE AMPS.	WIRE AND CONDUIT SIZE
1	AIR SUPPLY UNIT "S1"	5	7.6	30	3P	15 •	3" 12W - 1/2" C.
2	AIR SUPPLY UNIT "S2"	5	7.6	30	3P	15 •	3" 12W - 1/2" C
3	TRANSFORMER T4		90	200	3P	125	3" 1W - 1 1/2" C
4	LIGHTING PANEL BD. IL4		38	60	3P	60	4" 6W - 1 1/2" C
5	HOT WATER BOOSTER PUMP	1/2	1	30	3P	4 •	3" 12W - 1/2" C
6	HOT WATER BOOSTER PUMP	1/2	1	30	3P	4 •	3" 12W - 1/2" C
7	CONDENSING UNIT FUTURE	56 KW	70	200	3P		
8	CONDENSING UNIT FUTURE	56 KW	70	200	3P		
9	SPARE			60	3P		
10	SPARE			30	3P		
11	SPARE			30	3P		
12	SPARE			30	3P		

- DUAL ELEMENT
TIME DELAY FUSES

400A 4P MAIN BUS

TWO SECTIONS - MAXIMUM HEIGHT EACH ENCLOSURE NOT TO EXCEED 54"



SECOND FLOOR PLAN
SCALE $\frac{1}{8}'' = 1'-0''$

NOTE
ALL MEASUREMENTS must be verified at building by the contractor before work indicated hereon is started.

W. L. CASSELL & ASSOCIATES, INC.
MECHANICAL & ELECTRICAL ENGINEERS
912 BALTIMORE AVENUE
KANSAS CITY, MISSOURI 64105



DRAWN BY TLF
CH'KD BY *WLF*
REVISION

ALTERATION AND ADDITION
SPRING GARDEN MIDDLE SCHOOL
5802 SOUTH 22nd STREET
ST. JOSEPH ————— MISSOURI
SCHOOL DISTRICT OF ST. JOSEPH, MO.

BRUNNER & BRUNNER ARCHITECTS & ENGINEERS
1105 CORBY BUILDING 2007 33 2325-E ST. JOSEPH, MO



1-17-72

JOB No.

SHEET No. ES-2