BLDG.# 20

KITCHEN DINING HALL WAREHOUSE

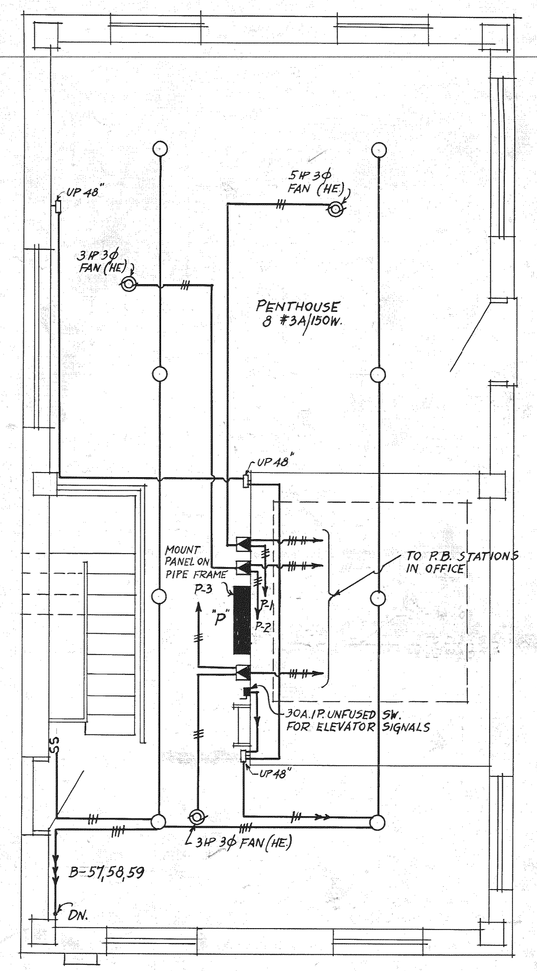
PENT HOUSE FLOOR PLAN

ELEC. 1-4050

DRAWING # 20-E3

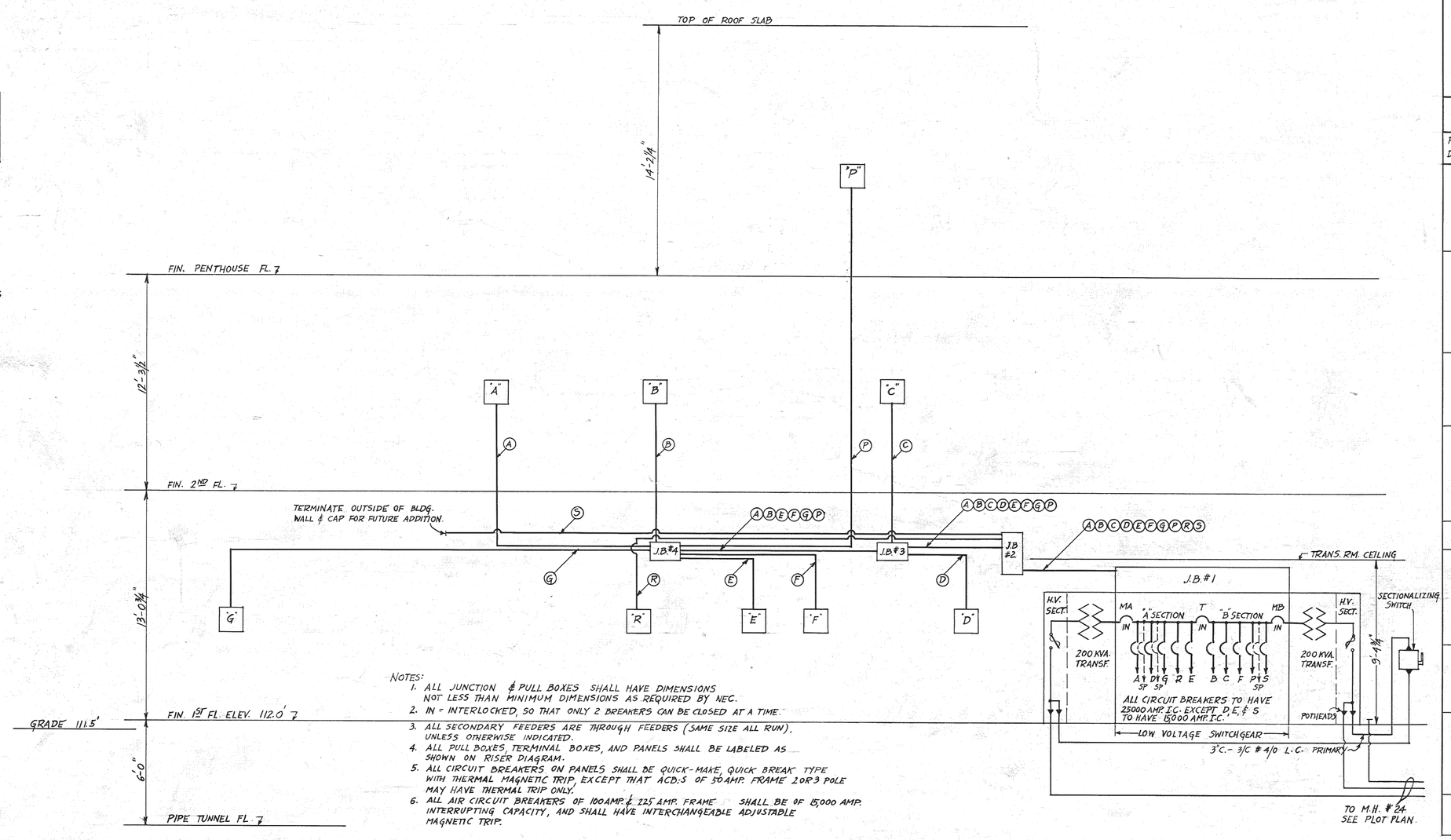
JAN. 1951

SHEET # 3 of 3



PENTHOUSE PLAN

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



NOTES:

1. ALL JUNCTION & PULL BOXES SHALL HAVE DIMENSIONS NOT LESS THAN MINIMUM DIMENSIONS AS REQUIRED BY NEC.
2. IN = INTERLOCKED, SO THAT ONLY 2 BREAKERS CAN BE CLOSED AT A TIME.
3. ALL SECONDARY FEEDERS ARE THROUGH FEEDERS (SAME SIZE ALL RUN), UNLESS OTHERWISE INDICATED.
4. ALL PULL BOXES, TERMINAL BOXES, AND PANELS SHALL BE LABELED AS SHOWN ON RISER DIAGRAM.
5. ALL CIRCUIT BREAKERS ON PANELS SHALL BE QUICK-MAKE, QUICK BREAK TYPE WITH THERMAL MAGNETIC TRIP, EXCEPT THAT ACB:S OF 50 AMP. FRAME 2 OR 3 POLE MAY HAVE THERMAL TRIP ONLY.
6. ALL AIR CIRCUIT BREAKERS OF 100 AMP. & 225 AMP. FRAME SHALL BE OF 15,000 AMP. INTERRUPTING CAPACITY, AND SHALL HAVE INTERCHANGEABLE ADJUSTABLE MAGNETIC TRIP.

RISER DIAGRAM

NOT TO SCALE

SWITCHBOARD SCHEDULE

SWITCH BOARD SECTION	AIR CIRCUIT BREAKERS T.P.S.T. 600 V. C.B. DESIGNATION	FRAME AMP.	TRIP AMP	I.C. AMP	SUPPLIES	REMARKS
	MA	600	600	25,000	SW. BOARD SECTION "A"	MAIN C.B.
A	A	600	400	25,000	PANEL "A"	
A	D	225	150	15,000	" "D"	
A	G	600	250	25,000	" "G"	
A	R	600	400	25000	" "R"	
A	E	225	90	15,000	" "E"	
A	SP	600				SPACE ONLY FOR FUTURE C.B.
A	SP	225				SPACE ONLY " "
	T	600	600	25000	TIE BREAKER	NORMALLY OPEN
B	B	600	400	25000	PANEL "B"	
B	C	600	250	25000	"C"	
B	F	600	250	25000	"F"	
B	P	600	250	25000	"P"	
B	S	225	200	15000	FUTURE PANEL	FOR FUTURE ADDITION
B	SP	600				SPACE ONLY FOR FUTURE C.B.
	MB	600	600	25000	SW. BOARD SECTION "B"	MAIN C.B.

FEEDER SCHEDULE

FEEDER DESIGN.	NO. OF CONDUCT.	WIRE SIZE AWG.	CONDUIT SIZE INCHES	SUPPLIES PANEL	REMARKS
(A)	3 1	500 MCM. 350 "	3 1/2"	"A"	
(B)	3 1	500 MCM. 350 "	3 1/2"	"B"	
(C)	4	250 MCM.	3"	"C"	
(D)	4	10	2"	"D"	
(E)	4	4	1 1/2"	"E"	EMERGENCY PANEL
(F)	4	250 MCM.	3"	"F"	
(G)	4	250 MCM.	3"	"G"	
(P)	3	250 "	2 1/2"	"P"	PENTHOUSE POWER
(R)	3	250 "	2 1/2"	"R"	REFRIG. EQUIPM. PANEL (BY OTHERS)
(S)	4		2 1/2"	FUTURE PANEL "S"	EMPTY COND. ONLY.

PANEL SCHEDULES

PANEL DESIGN.	MAINS DESCRIPTION	CIRCUIT BRANCHES NO.	POLES	FRAME A.	TRIP A.	REMARKS
"A"	200A. 3φ 4W. 120/208V. LUGS ONLY	44	1	50	20	
		6	1	50	30	
		2	3	50	20	FOR TWO K-36
		1	3	50	25	FOR K-72A
		1	3	50	35	FOR K-32
"B"	200A. 3φ 4W. 120/208V. LUGS ONLY	56	1	50	20	
		4	1	50	30	
		2	3	50	15	FOR K-126 G & SPARE
		3	3	50	20	FOR TWO K-55 & K-68
		1	3	50	40	FOR K-45
		2	2	50	30	FOR 5 KW. 208V 1φ DEFROSTER & SPARE
"C"	200A. 3φ 4W. 120/208V. LUGS ONLY.	54	1	50	20	
		6	1	50	30	
		2	3	50	20	FOR K-31 & SPARE
		1	3	100	90	FOR FOUR K-36
"D"	200A. 3φ 4W. 120/208V. LUGS ONLY	26	1	50	20	
		2	1	50	30	
		2	2	50	15	FOR K-91 & SPARE
		6	3	50	15	FOR K-62, K-59, K-75, K-74, 3 COOLERS & SPARE
		4	3	50	20	FOR TWO-K-88 & TWO SPARES
		1	3	100		SPACE ONLY
"E"	100A. 3φ 4W. 120/208V. LUGS ONLY	16	1	50	20	EMERGENCY PANEL
"F"	200A. 3φ 4W. 120/208V. LUGS ONLY	28	1	50	20	
		2	1	50	30	
		4	3	50	15	3/4 HP COOLER, 2-1 1/2 HP VAC. PUMPS & SPARE
		2	3	50	25	3 HP CONDENSATE PUMPS (TWO)
		2	3	50	35	5 HP VACUUM PUMPS (TWO)
		1	3	50	50	7 1/2 HP COMPRESSOR
"G"	200A. 3φ 4W. 120/208V. LUGS ONLY	26	1	50	20	
		2	1	50	30	
		1	3	100	70	10 HP ELEVATOR (PASSENGER)
		1	3	100		SPACE ONLY.
"P"	400A. 3φ 3W. 208V. LUGS ONLY	1	3	225	175	25 HP ELEVATOR (SERVICE)
		1	3	50	15	SPARE
		2	3	50	25	3 HP FANS (TWO)
		1	3	50	35	5 HP FAN
		1	3	225		SPACE ONLY
"R"	600A. 3φ 3W. 208V. LUGS ONLY					FURNISHED BY OTHERS. SEE REFRIGERATING EQUIPMENT SPECS.

VETERANS ADMINISTRATION
WASHINGTON, D. C.

APPROVED ..... ASSISTANT ADMINISTRATOR, C., S. AND R.E.

..... DIRECTOR, TECHNICAL SERVICE

ELECTRICAL
RISER DIAGRAM & DETAILS
PENT HOUSE FLOOR PLAN
KITCHEN, DINING HALL & WAREHOUSE BUILDING NO. 20
VETERANS ADMINISTRATION
BROCKTON, MASS.

	REVISIONS	NUMBER
Drawn JP		20-E3
Traced		
Sect. Chf. Jim		
Date 1/31/51		SHEET 3 OF 3
Division Chief T. C. Stephens		Proj. No. J-4050

2-5-2-1077

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