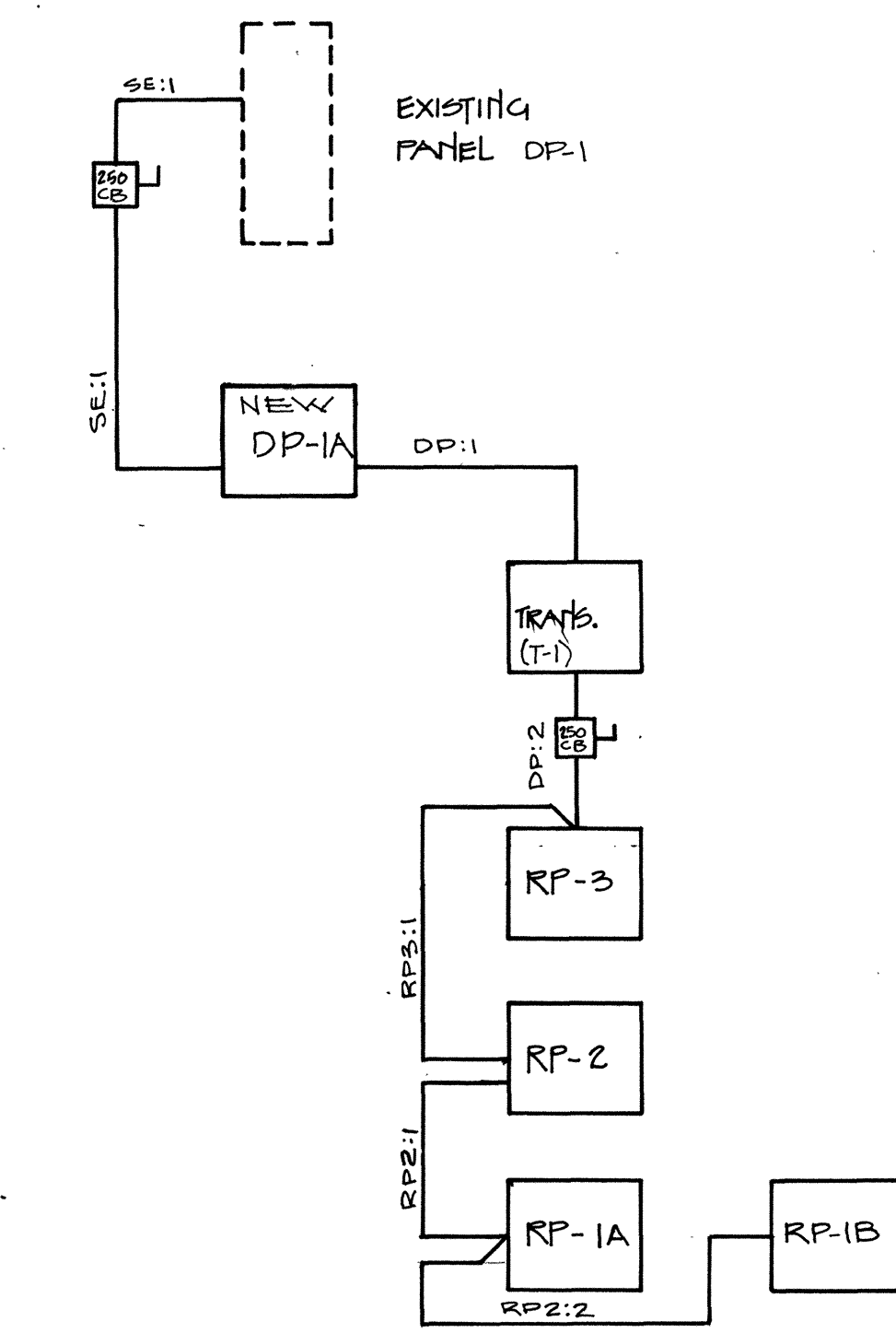
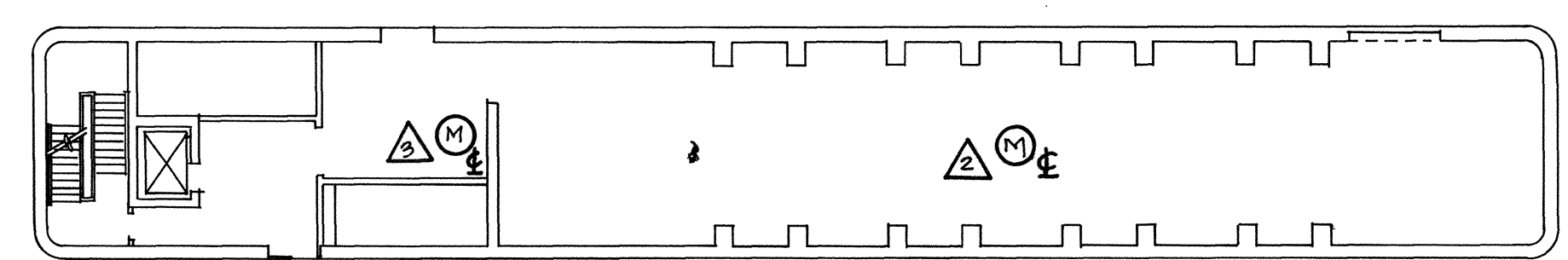




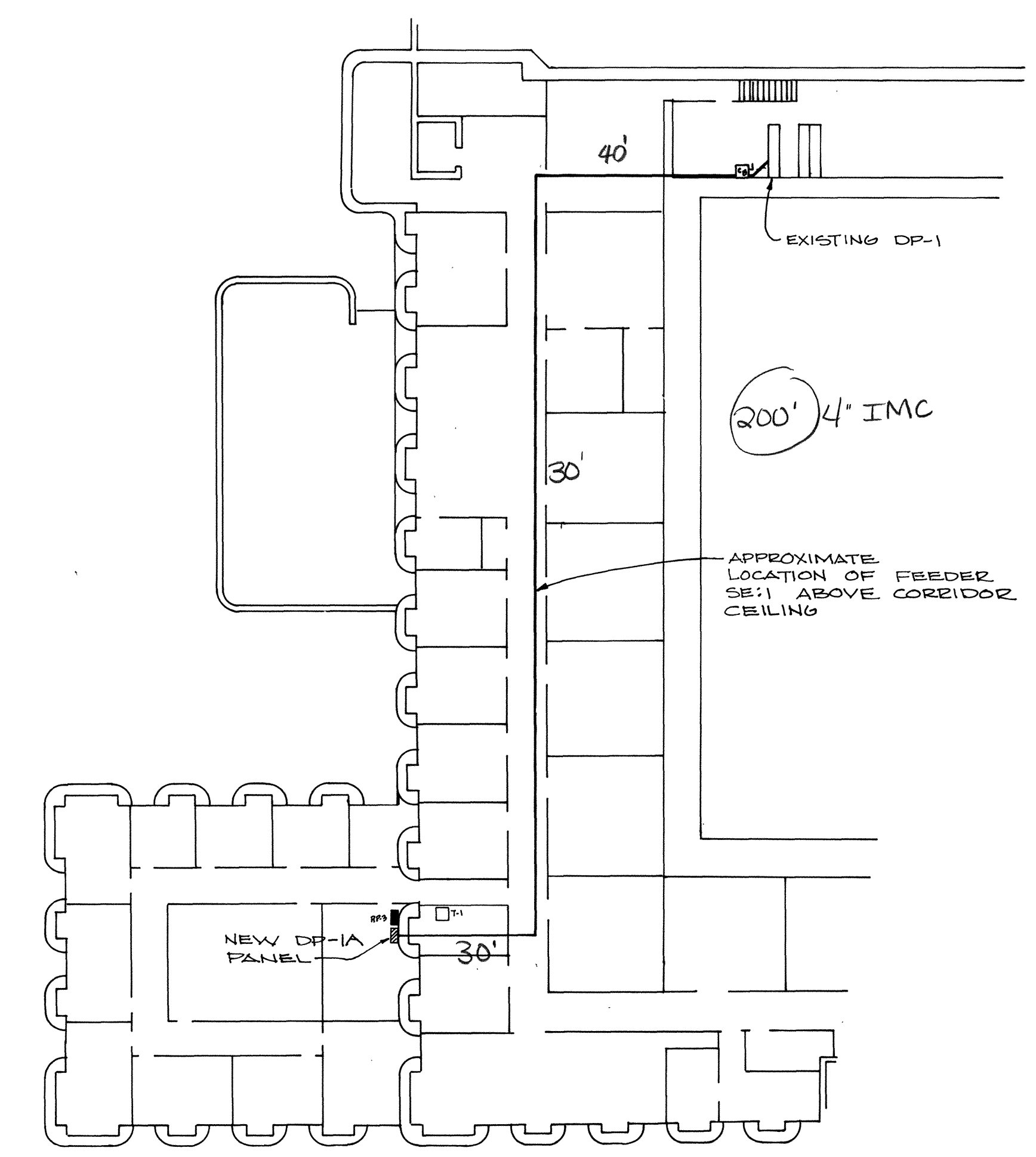
SINGLE LINE DIAGRAM
NOT TO SCALE



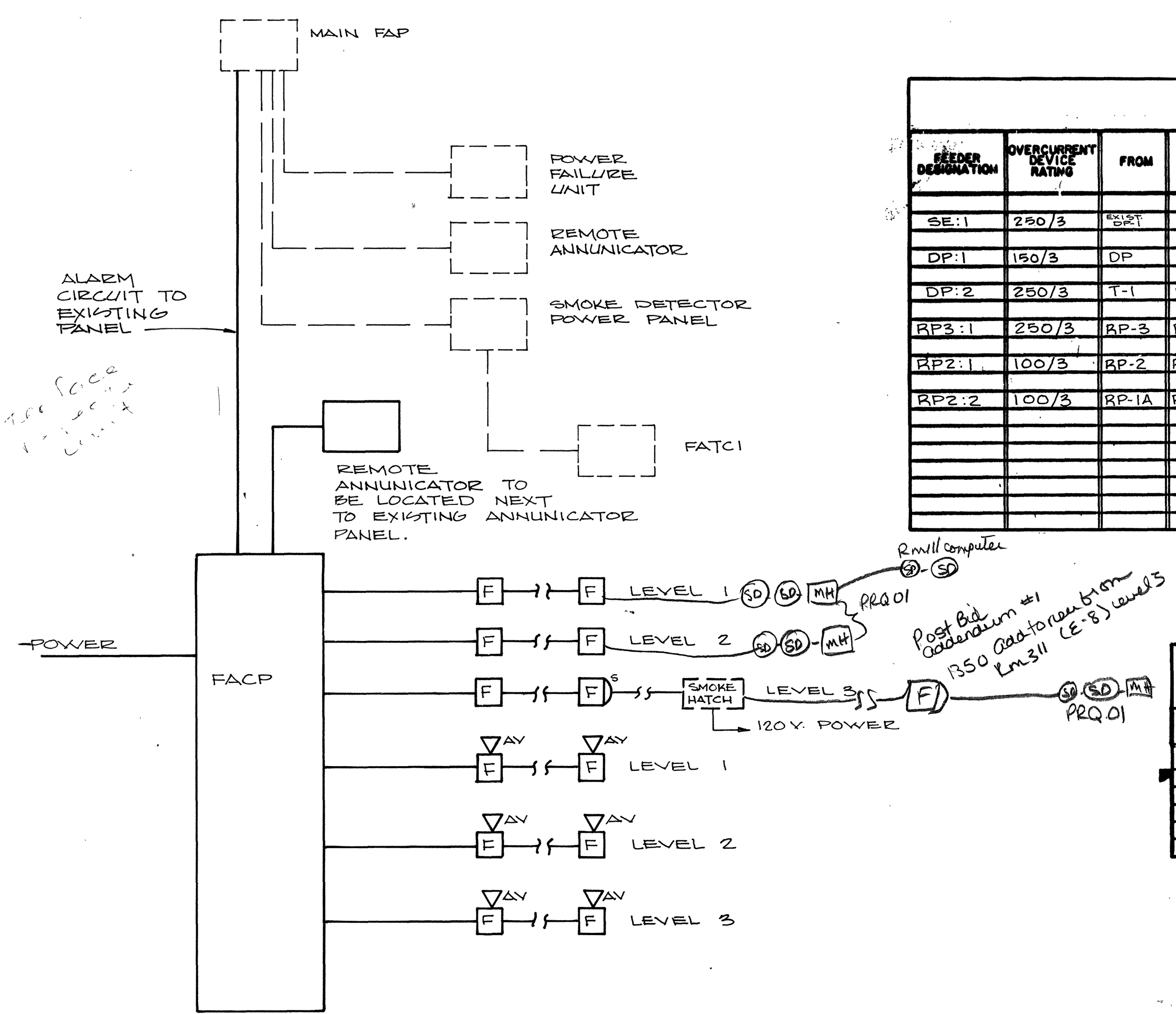
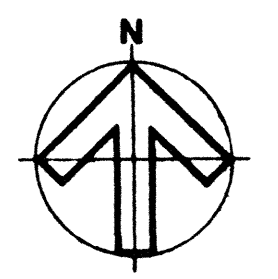
**LEVEL 4
PUMP GALLERY**
NOT TO SCALE

PANELBOARD SCHEDULE																				
PANEL	TYPE	VOLTAGE RATING			MAIN AMPERE RATING			KWH (RMS SYM)	MOUNT	BRANCH CIRCUIT DEVICES						NOTES				
		C/S	FUSE	VOLT	PHASE	WIRE	MLO			MCB	MFS	QUANTITY			FRAME / SWITCH SIZE		TRIP / FUSE RATING	POLES		
												ACTIVE	SPARE	SPACE						
DP-1A	X			480Y/277	3	4		250		25	X		1	-	-	KA	150	3		
													1	-	-	FA	40	3		
													3	1	2	FA	20	3		
													10	4	4	FA	20	1		
RP-3	X			208Y/120	3	4		400		22	X		17	4	9	QOB	20	1		SUB FEED LUGS
RP-2	X			208Y/120	3	4		400		22	X		17	4	6	QOB	20	1		
													1	-	-	QIB	100	3		
RP-1A	X			208Y/120	3	4		100		22	X		5	1	1	QOB	20	2		SUB FEED LUGS
													13	7	5	QOB	20	1		
RP-1B	X			208Y/120	3	4		100		22	X		2	-	-	QOB	20	3		
													5	1	-	QOB	20	2		
													6	4	4	QOB	20	1		

Feed thru lug



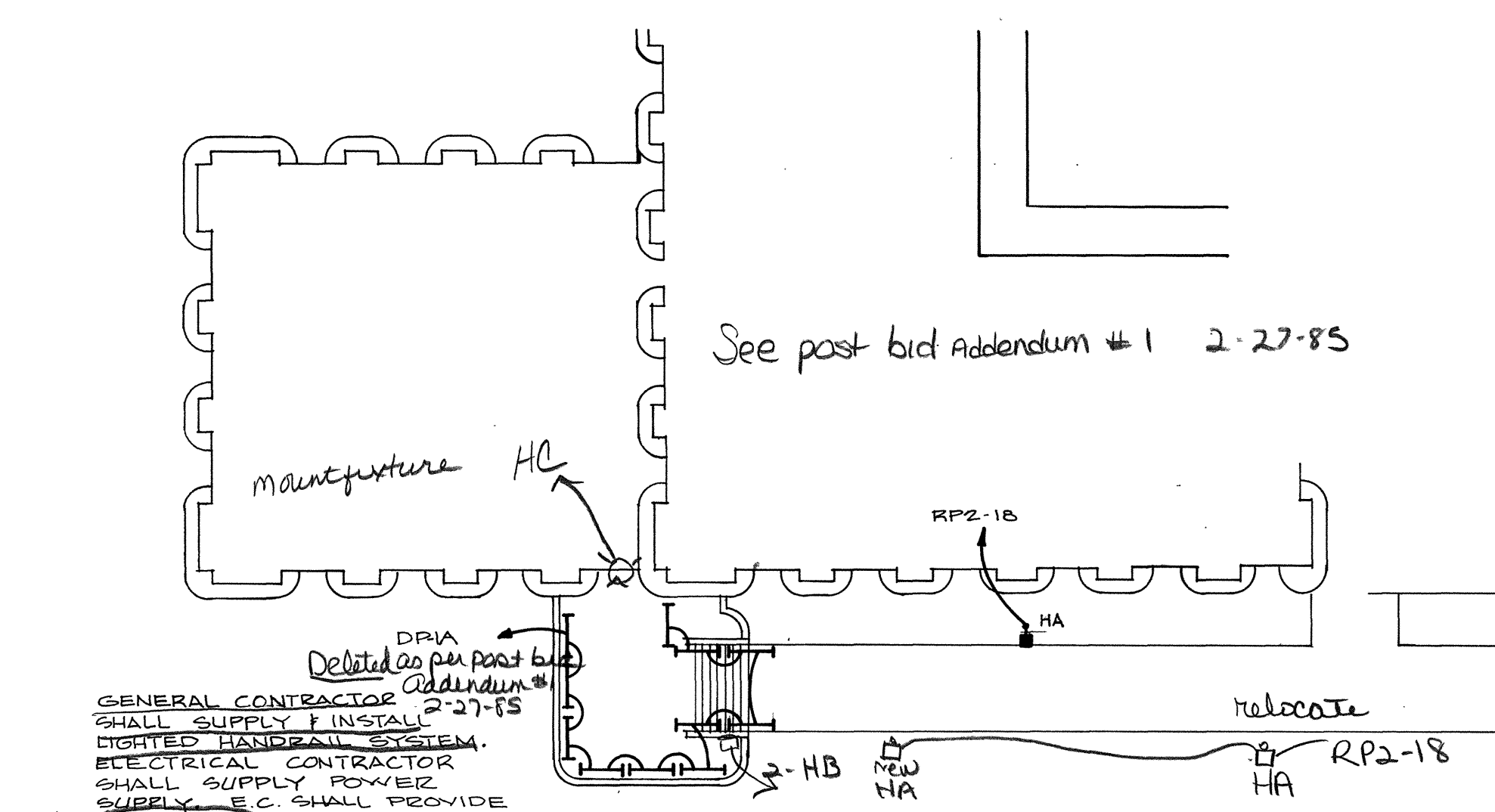
**LEVEL 3
ELECTRIC SERVICE PLAN**
NOT TO SCALE



**FIRE ALARM
RISER DIAGRAM**
NOT TO SCALE

FEEDER SCHEDULE														
FEEDER DESIGNATION	OVERCURRENT DEVICE RATING	FROM	TO	CONDUIT AND CONDUCTOR				FEEDER SUBCUT					NOTES	
				CONDUCTORS			CONDUIT		AMPERE RATING	SERVICE				
				PHASE	NEUTRAL	GROUND	QUAN.	SIZE		VOLTAGE	PHASE	WIRE		NEUT.
SE-1	250/3	SE-1	SE-1	3-#250	1-#250	1-#4	1	4"						
DP-1	150/3	DP	T-1	3-#2	—	1-#6	1	1½"						
DP-2	250/3	T-1	RP-3	3-#250	1-#250	1-#4	1	2½"						
RP3-1	250/3	RP-3	RP-2	3-#250	1-#250	1-#4	1	2½"						
RP2-1	100/3	RP-2	RP-1A	3-#2	1-#2	1-#8	1	1½"						
RP2-2	100/3	RP-1A	RP-1B	3-#2	1-#2	1-#8	1	1½"						

DRY-TYPE TRANSFORMER SCHEDULE									
XFMR	BLDG	FLOOR	ROOM	TRANSFORMER RATINGS				MOUNTING	NOTES
				1 Ø	3 Ø	KVA	PRIMARY		
T-1	3			X		75	480		



**LEVEL 2
SITE LIGHTING**
NOT TO SCALE

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DOCUMENT IN ANY WAY.

Holt
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Consulting Engineers
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Robson & Woese, Inc.
Consulting Engineers
2230 Penfield Road
Penfield, New York

Addition to Wilson Laboratory
Cornell High Energy Synchrotron Source and Laboratory for Nuclear Studies
Cornell University, Ithaca, New York

Scale: "AS NOTED" Date: 11-9-84
Project No: 88054 Drawn by: WEB

SCHEDULES
&
DETAILS

E-9