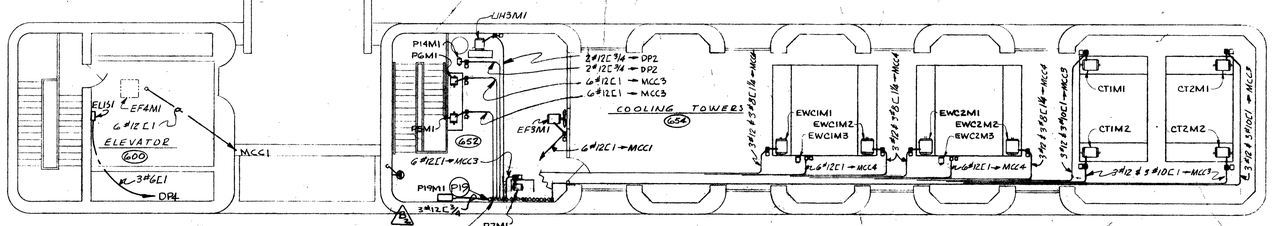
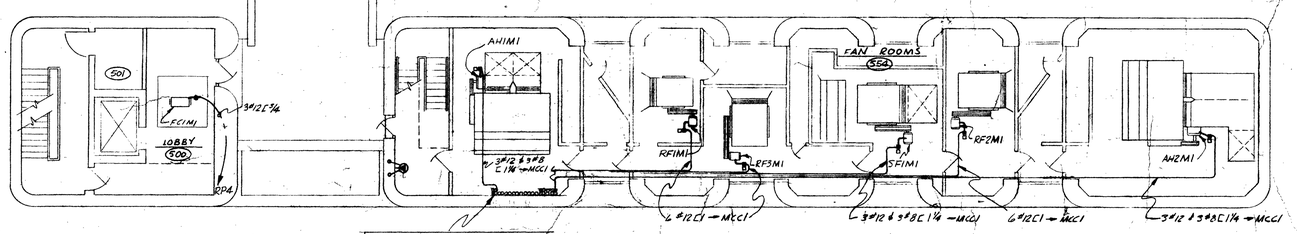


PI9M1 LEFT TO RIGHT
EL1S1
EF4M1
P5M1
P6M1
PI4M1
UH3M1
P7M1
EF5M1
EWC1M1
EWC1M3
EWC1M2
EWC2M1
EWC2M3
EWC2M2
CT1M1
CT1M2
CT2M2
CT2M1.

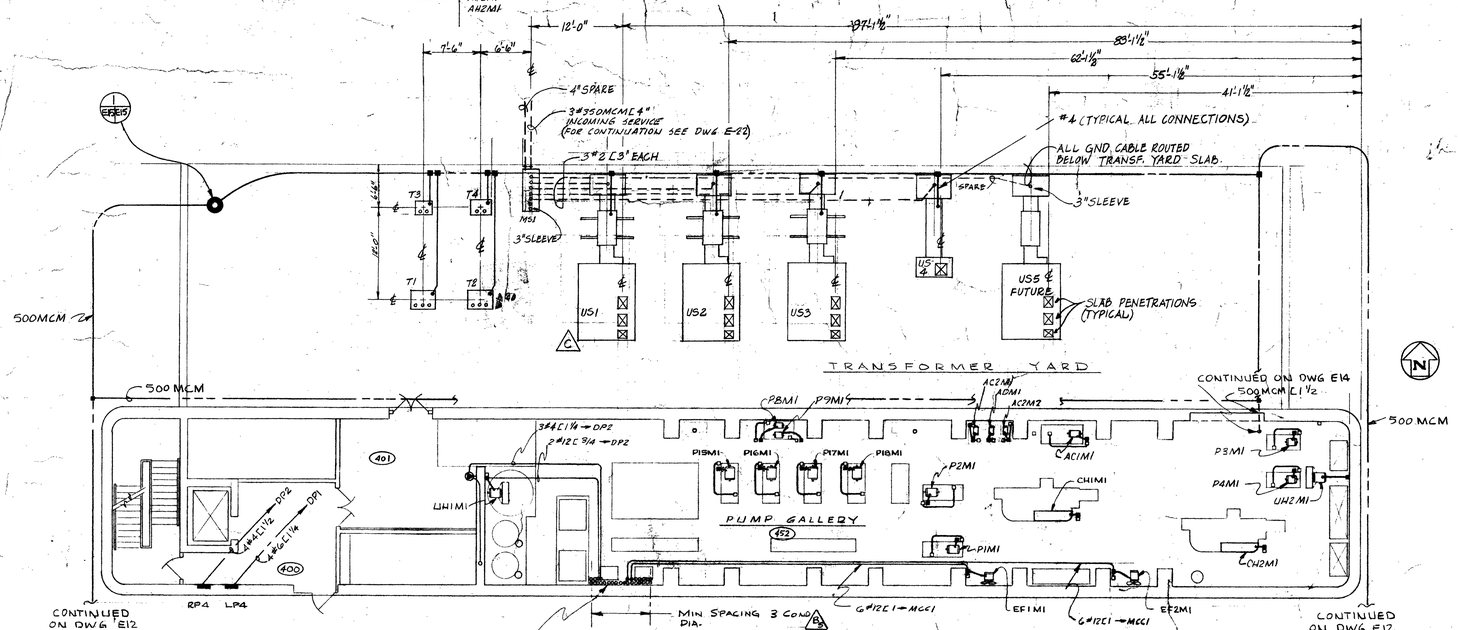
PLAN VIEW
LEVEL 6
SCALE: 1"/8 = 1'-0"



FRONT ROW LEFT TO RIGHT
AH1M1
6'-1" SPARE COND. BOTH ENDS THREADED & CAPPED
RF1M1
RF3M1
SF1M1
RF2M1
AH2M1

BACK ROW LEFT TO RIGHT
SAME AS LEVEL 6

PLAN VIEW
LEVEL 5
SCALE: 1"/8 = 1'-0"



FRONT ROW LEFT TO RIGHT
AH1M1
UH1M1
WELDING RECPT.
EF2M1
EF1M1
RF1M1
RF3M1
SF1M1
RF2M1
AH2M1

BACK ROW LEFT TO RIGHT
SAME AS LEVEL 6

PLAN VIEW
LEVEL 4
SCALE: 1"/8 = 1'-0"

SCHEDULE FOR PP9				
LOCATION - ELECTRONIC SHOP				SUPPLY - 4 # 2 THW
MOUNTING - FLUSH B				MAINS - F/100/100/1200 CIR. BKR. B
ENCLOSURE - NEMA 1				NEUTRAL BAR - TOP
TYPE - NDP				BUSSING - 100A
SERVICE - 120Y/208V, 3Φ, 4W				
CKT. NO.	CIRCUIT BREAKER TRIP	FRAME	POLES	SERVICE
1	20	E	1	SPARE
2				
3				
4				
5				
6				
7				SPACE
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				

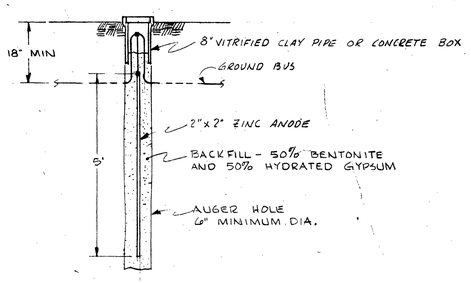
SCHEDULE FOR PP10				
LOCATION - STUDENT-FACULTY SHOP				SUPPLY - 4 # 2 THW
MOUNTING - FLUSH B				MAINS - F/100/100/1200 CIR. BKR. B
ENCLOSURE - NEMA 1				NEUTRAL BAR - TOP
TYPE - NDP				BUSSING - 100A
SERVICE - 120Y/208V, 3Φ, 4W				
CKT. NO.	CIRCUIT BREAKER TRIP	FRAME	POLES	SERVICE
1	20	E	1	SPARE
2				
3				
4				
5				
6				
7				SPACE
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				

NOTES:

1. ~~STUB IN THROUGH WALL AND CAP 2-EMPTY 3" CONDUIT FROM EVERY SPARE AND FUTURE CUBICLE IN EACH UNIT SUBSTATION SWITCHGEAR SECTION.~~ B 9
2. PROVIDE A 6" HIGH CONCRETE PAD FOR: MS1, US1, US2, US3, US4, US5, T1, T2, T3, AND T4 IN ACCORDANCE WITH MFGR'S SPECIFICATIONS.
3. ALL GROUND BUS SHALL BE COPPER CONDUCTOR WITH THW INSULATION.
4. ALL GROUND BUS SPLICES SHALL BE COMPLETELY INSULATED.
5. WHERE GROUND BUS ENTERS BUILDING IT SHALL BE PROTECTED WITH 1½" RIGID CONDUIT.
6. B 10 INCREASE SIZE OF SPARE CONDUITS FROM UNIT SUBSTATION FROM 3" TO 3½" RELOCATE SPARE CONDUITS AS FOLLOWS:

US1	1 SPARE
US2	2 SPARES
US3	3 SPARES
US4	9 SPARES
US5	9 SPARES

TERMINATE AT US4 & US5 WITH COUPLING & PLUG FLUSH WITH EQUIPMENT PAD, EXTEND ALL THROUGH BLDG. WALL & CAP



GROUND ROD DETAIL
SCALE: 1"/2 = 1'-0"

C SECTION DELETED

LTR	REVISIONS	DATE	BY	CHK'D	APP'D	APP'D
C	AS BUILT CORRECTION	6/14/67	RDL			
B	1) PP9 & PP10 FEEDERS WERE 4# 2/0 MAINS WERE 3A/225/125/1500, SURFACE MTG. 2) ADDED PI9M1 3) WAS 8 SPACES LEV. 5 4) WAS 6 SPACES LEV. 4 5) WAS 16 SPACES @ 6"O.C. = 8'0" 6) BUS TIES WERE 3#350KCMC 7) T1 & T2 SECONDARIES WERE 3#350MCM C3 8) T2 PRIMARY WAS 6#4C3 9) DELETE NOTE #1 10) ADDED NOTE #6	5-23-66	3-Fd			
A	SEE ADDENDUM 1	6-3-66	GMS JVG	WMB	T.CLINE	

10 GEV CORNELL SYNCHROTRON LABORATORY

CORNELL UNIVERSITY
ITHACA NEW YORK

POWER - CONTROL BUILDING LEVELS 4, 5, & 6 PLAN

WILLIAM M. BROBECK AND ASSOCIATES
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PREGNOFF & MATHEU — STRUCTURAL ENGR.
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950 GILMAN ST. BERKELEY, CALIF. 94710
TELEPHONE 415 - 524 - 8664

DR. HENRY | CHK. R.S. Hutton | SUPV. R.S. Hutton | SCALE AS NOTED

RELEASED: T. H. Clem
APPROVED: LAB NUCLEAR STUDIES
SHEET 89 OF 102
DRAWING NO. E15
DATE NOV 18 1965
MP-BUSINESS — DATE JAN 15, 1966
WMB & A NO. 111-5

2085-33-65-415 044 291 Cornell University B. & P.