

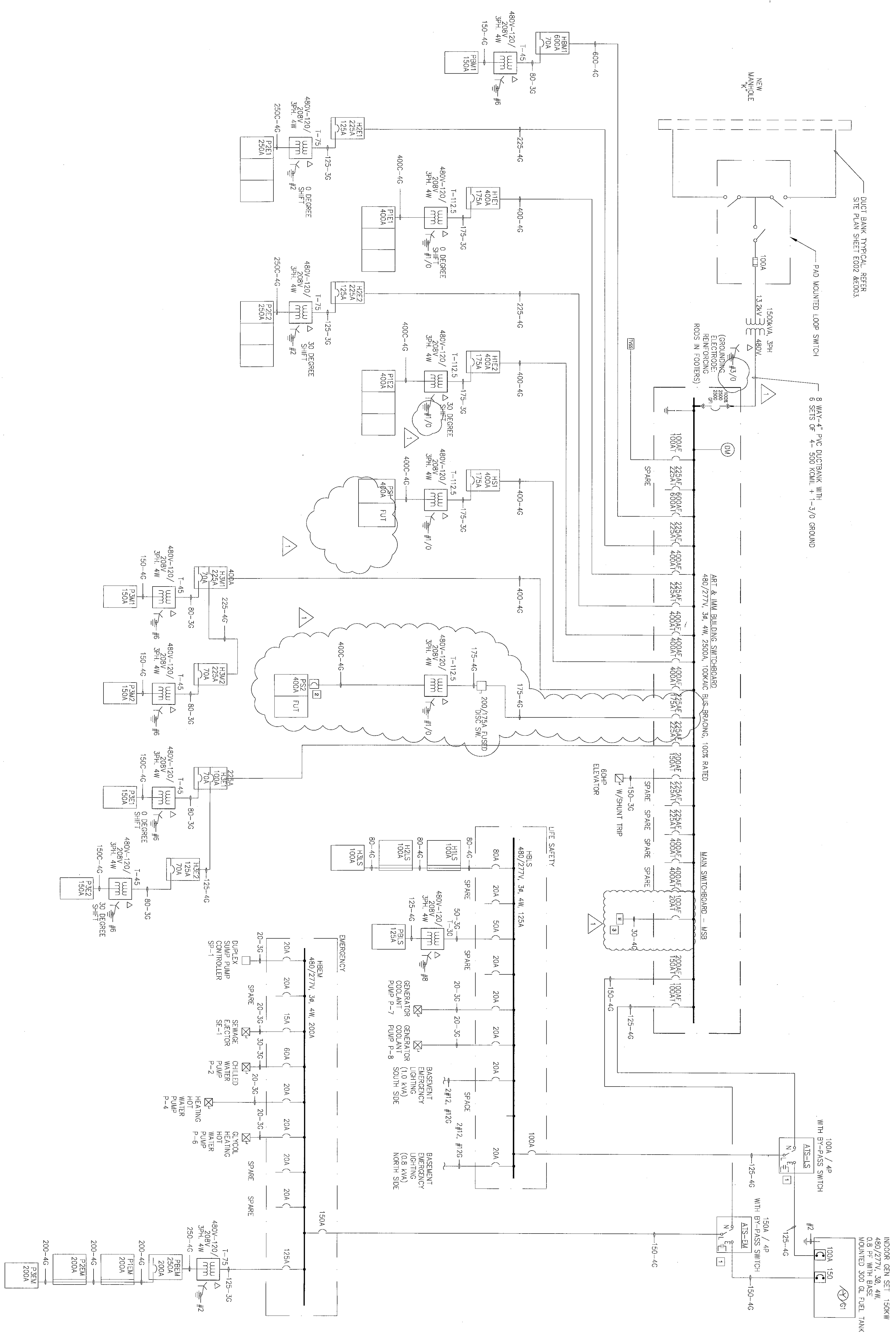
gypc.com

GENERAL NOTES

1. xxx
2. xxx

KEY NOTES

1. GENERATOR STARTER CONTACTOR PROVIDE 5% CONDUIT CONTROL.
2. 60A 250V 2-POLY CIRCUIT BREAKER IN COORDINATION WITH SHUNT TRIP AND RESET BUTTON TO SHUT OFF POWER OF PANEL "P-2" FROM 4 REMOTE LOCATION.
3. BOX FOR BUILDING WETERING SYSTEM, METERS, METER, 7500 ENCLOSED. POWER MEASUREMENT LIMITED SHALL BE PROVIDED BY OTHERWISE, POWER CONNECTION TO THE BOX BY DIV. 16.



**FEEDER SCHEDULE 3G - THHN/THWN**

CODE	SETS	PHASE	NEUTRAL	GROUND	CONDUIT	CAPACITY
20-36	1	3 # 12	1 # 10	3/4"	25	
30-36	1	3 # 10	1 # 10	3/4"	35	
50-36	1	3 # 8	1 # 10	3/4"	50	
60-36	1	3 # 6	1 # 10	3/4"	65	
80-36	1	3 # 4	1 # 8	3/4"	85	
100-36	1	3 # 3	1 # 6	1"	100	
125-36	1	3 # 1	1 # 6	1.25"	130	
150-36	1	3 # 1/0	1 # 2	1.5"	150	
175-36	1	3 # 2/0	1 # 2	2"	190	
200-36	1	3 # 3/0	1 # 2	2.5"	230	
225-36	1	3 # 4/0	1 # 2	2.5"	250	
250-36	1	3 # 500 KCMIL	1 # 4	2.5"	255	
300-36	1	3 # 450 KCMIL	1 # 4	3"	310	
350-36	1	3 # 400 KCMIL	1 # 3	3"	335	
400-36	1	3 # 500 KCMIL	1 # 3	4"	380	
450-36	2	3 # 4/0	1 # 2	2.5"	460	
500-36	2	3 # 250 KCMIL	1 # 2	2.5"	510	

**FEEDER SCHEDULE 4G - THHN/THWN**

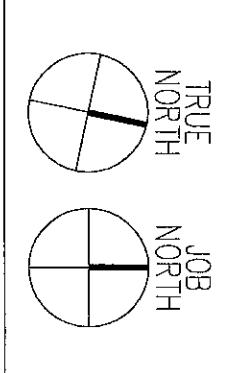
CODE	SETS	PHASE	NEUTRAL	GROUND	CONDUIT	CAPACITY
30-46	1	3 # 10	1 # 10	1 # 10	3/4"	55
50-46	1	3 # 8	1 # 10	1 # 10	3/4"	65
60-46	1	3 # 6	1 # 8	1 # 8	1.25"	85
80-46	1	3 # 4	1 # 6	1 # 6	1.25"	100
100-46	1	3 # 3	1 # 5	1 # 5	1.5"	130
125-46	1	3 # 1	1 # 6	1 # 6	2"	150
150-46	1	3 # 1/0	1 # 6	1 # 6	2.5"	190
175-46	1	3 # 2/0	1 # 6	1 # 6	2"	190
200-46	1	3 # 3/0	1 # 6	1 # 6	2"	200
225-46	1	3 # 4/0	1 # 6	1 # 6	2.5"	230
250-46	1	3 # 4/0	1 # 4	1 # 4	2.5"	230
*250-46	1	3 # 250 KCMIL	2 # 4	2 # 4	2.5"	255
300-46	1	3 # 350 KCMIL	2 # 4	2 # 4	3"	310
350-46	1	3 # 400 KCMIL	1 # 3	1 # 3	3.5"	335
400-46	1	3 # 500 KCMIL	1 # 3	1 # 3	4"	380
450-46	2	3 # 500 KCMIL	1 # 1	1 # 1	4.5"	460
500-46	2	3 # 350 KCMIL	1 # 1	1 # 1	4.5"	510

\* INDICATES FEEDER FOR COMPUTER LOAD WITH CABLES DERIVED PER NEC 2005- TABLE 310-15 (B)(2)(G)

1 ELECTRICAL ONE-LINE DIAGRAM

NO SCALE

KEY PLAN:



NO.	REVISION/SUBMISSION	DATE
1	APPENDIX #3	4.1.2008

THE COLLEGE OF NEW JERSEY

New Art & IMM Building  
 Ewing, New Jersey

DATE: 2.20.2008  
 SCALE: NOT TO SCALE  
 EPP PROJECT NO: 100604101  
 DESIGNED BY: MC  
 DRAWN BY: MC  
 CHECKED BY: EN

ELECTRICAL ONE-LINE DIAGRAM