

WIRE GROUP	CONDUIT	CONDUCTORS	RUNS FROM	RUNS TO
A	4-1/2" (SCHEDULED)	4-600 KCHL	SWITCH GEAR BLDG. (GROUP A,C)	GEN #1 BLDG.
B	4-1/2" (SCHEDULED)	4 - 600 KCHL	SWITCH GEAR BLDG. (GROUP B,D)	GEN #2 BLDG.
C	2" (SCHEDULED)	9 - #12 RED	SWITCH GEAR BLDG. (GROUP A,C)	GEN #1 BLDG.
D	2" (SCHEDULED)	9 - #12 RED	SWITCH GEAR BLDG. (GROUP B,D)	GEN #2 BLDG.
E	2" (SCHEDULED)	2-1" FR. #16 SHLD BELDON #817 2-2C #16 SHLD BELDON #868, 10-#12 RED, 1-#10 GRN	SWITCH GEAR BLDG.	GEN #1 BLDG. (GROUP E,H)
F	2" (SCHEDULED)	2-1" FR. #16 SHLD BELDON #817 2-2C #16 SHLD BELDON #868, 10-#12 RED, 1-#10 GRN	SWITCH GEAR BLDG.	GEN #2 BLDG. (GROUP F,I)
G	8-5/8" (SCHEDULED)	4-600 KCHL. EA CONDUIT	SWITCH GEAR BLDG. (GROUP E)	UTILITY TRANSFORMER
H	2" (SCHEDULED)	4-1" FR. #16 SHLD BELDON #817, 8-#12 RED, 1-#10 GRN	SWITCH GEAR BLDG.	GEN #1 BLDG. (GROUP F,J)
I	2" (SCHEDULED)	4-1" FR. #16 SHLD BELDON #817, 8-#12 RED, 1-#10 GRN	SWITCH GEAR BLDG.	GEN #2 BLDG. (GROUP F,J)
J	2" (SCHEDULED)	CALCULATED FOR A 75 HP ELEC. MOTOR	SWITCH GEAR BLDG.	COMPRESSOR BLDG. BLOWER MOTOR
K	1" (SCHEDULED)	3-#8 BRN. DRG. YEL. 1-#10 GRN. 3-#12 BRN. DRG. YEL.	SWITCH GEAR BLDG.	GEN #1 RADIATOR. (GROUP K,M)
L	1" (SCHEDULED)	3-#8 BRN. DRG. YEL. 1-#10 GRN. 3-#12 BRN. DRG. YEL.	SWITCH GEAR BLDG.	GEN #2 BLDG. (GROUP L,N)
M	1" (SCHEDULED)	10-#12 RED, 1-#10 GRN	SWITCH GEAR BLDG.	GEN #1 RADIATOR. (GROUP K,M)
N	1" (SCHEDULED)	10-#12 RED, 1-#10 GRN	SWITCH GEAR BLDG.	GEN #2 BLDG. (GROUP L,N)
O	2" (SCHEDULED)	3-#6 BRN. DRG. YEL. 1-#8 GRN	SWITCH GEAR BLDG.	GEN #1 BLDG.
P	2" (SCHEDULED)	3-#6 BRN. DRG. YEL. 1-#8 GRN	SWITCH GEAR BLDG.	GEN #2 BLDG.
Q	2" (SCHEDULED)	3-#6 BRN. DRG. YEL. 1-#8 GRN	SWITCH GEAR BLDG.	GEN #1 BLDG.
R	2" (SCHEDULED)	3-#6 BRN. DRG. YEL. 1-#8 GRN	SWITCH GEAR BLDG.	GEN #2 BLDG.
S	2" (SCHEDULED)	HONG RAN 120/240 CP PANEL	SWITCH GEAR BLDG.	GEN #2 BLDG.
T	3/4" (SCHEDULED)	1-#14 BLU	SWITCH GEAR BLDG.	OUTSIDE COMPRESSOR BLDG. (RIGHT OF DOOR)
U	1/4" (SCHEDULED)	6- #14 BLK. 1- #10 GRN	SWITCH GEAR BLDG.	COOLER FAN MOTOR
V	3/4" (SCHEDULED)	1- #12 BLK. 1-#12 WHT. 1-#12 GRN	OUTSIDE COMPRESSOR BLDG. (RIGHT OF DOOR)	COMPRESSOR BLDG. EAST WALL (CENTER)
W	3/4" (SCHEDULED)	3 - 1/2" #14	OUTSIDE COMPRESSOR BLDG. (RIGHT OF DOOR)	COMPRESSOR BLDG. (NEXT TO BLOWER MOTOR)
X	3/4" (SCHEDULED)	1- #12 BLK. 1- #12 RED. 2- #12 BLU. 1- #12 GRN. 7- #14 BLK. 1- #14 WHT	OUTSIDE COMPRESSOR BLDG. (RIGHT OF DOOR)	COMPRESSOR BLDG. (SKID PANEL)
Y	3/4" (SCHEDULED)	2- #12 BLK. 1- #12 GRN	OUTSIDE COMPRESSOR BLDG. (RIGHT OF DOOR)	COMPRESSOR BLDG. (GAS DETECTORS)
Z	3/4" (SCHEDULED)	4- #14 BLU	TRANSFORMER	COMPRESSOR BLDG. (GAS DETECTORS)
AA	8-5" (SCHEDULED)	DONE BY UTILITY	OUTSIDE COMPRESSOR BLDG. (RIGHT OF DOOR)	UTILITY SWITCH
AB	3/4" (SCHEDULED)	2- #10 BLK. 1- #10 GRN. 2- #14 RED. 1- #14 BLK	OUTSIDE COMPRESSOR BLDG. (RIGHT OF DOOR)	COMPRESSOR BLDG. (COMPRESSOR & PRESS. CONTROL)
AC	3/4" (SCHEDULED)	2- #8 BLK. 1- #10 GRN. 1- #12 BLK. 1- #12 WHT	OUTSIDE COMPRESSOR BLDG. (RIGHT OF DOOR)	COMPRESSOR BLDG. (WALL HEATER)

NOTE: ALL CONDUIT WILL BE RIGID WHERE IT COMES INTO THE GAS SKID BUILDING. ALL OTHER SCH. 80.

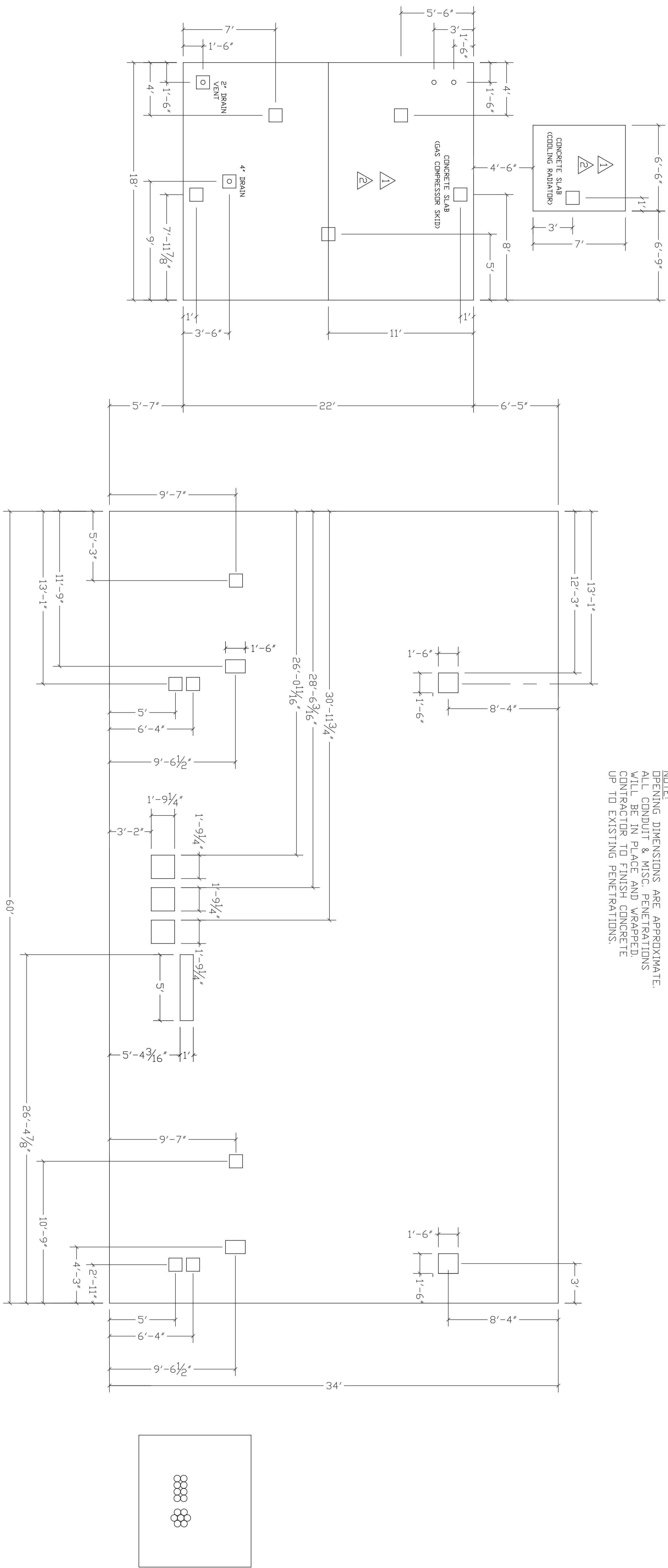
ELECTRICAL DIAGRAM



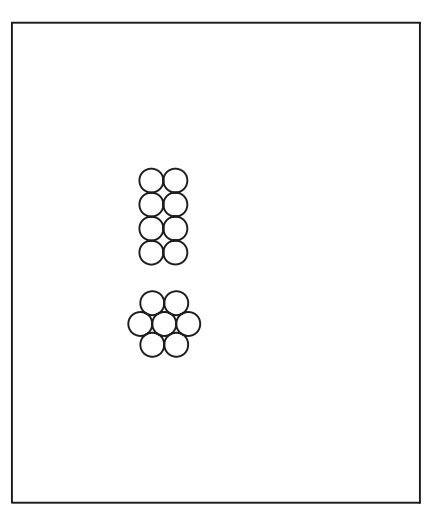
DEPARTMENT OF PUBLIC WORKS
DANE COUNTY WISCONSIN

Design By: JW	Drawn By: JRL	Approved By: MD	Revisions 1 3/1/10 MOVE UTILITY TRANSFER SWITCH, ADD 1 CONDUIT WIRE GRP. G 2 4/23/10 MOVE GAS COMPRESSOR SKID SLAB 3 CONDUIT WIRE GRP. G
Bid No.: NONE	Date: 1/26/10	Scale: AS NOTED	

Sheet 1 of 2
GENERATOR SLAB CONST. ELECT.
RODEFELD SITE NO.2
7102 HWY. 12/18
DANE COUNTY, WISCONSIN



NOTE:
 OPENING DIMENSIONS ARE APPROXIMATE.
 ALL CONDUIT & MISC. PENETRATIONS
 WILL BE IN PLACE AND WRAPPED.
 CONTRACTOR TO FINISH CONCRETE
 UP TO EXISTING PENETRATIONS.



SLAB OPENINGS

1/4" = 1'-0"

