

C:\Users\jwalton\Documents\2020.XNMM20 Central File_jwalton\NHZZS.rvt
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ONE-LINE NEW WORK TAGGED NOTES	
TAG	DESCRIPTION
1	DIGITAL NETWORKED POWER METER: ELECTRICAL CONTRACTOR SHALL INSTALL PER MANUFACTURER RECOMMENDATIONS. PROVIDE DIRECT CONNECTION TO BUILDING AUTOMATION SYSTEM FOR STORAGE OF METERING DATA.
2	PROVIDE #1/0 COPPER OR #3/0 ALUMINIUM GROUNDING ELECTRODE CONDUCTOR FOR FEEDER AND TRANSFORMER GROUND.
3	PROVIDE #2 COPPER OR #1/0 ALUMINIUM GROUNDING ELECTRODE CONDUCTOR FOR FEEDER AND TRANSFORMER GROUND.
4	PROVIDE #4/0 COPPER OR 250 KCMIL ALUMINIUM GROUNDING ELECTRODE CONDUCTOR FOR FEEDER AND TRANSFORMER GROUND.
5	MAIN SWITCHGEAR SHALL BE LISTED AND LABELLED FOR USE WITH A RENEWABLE ENERGY SOURCE.
6	PROVIDE MINIMUM 20% SPARE BREAKER SPACE IN DISTRIBUTION PANELBOARD SECTION.
7	PROVIDE 15 WAY 4" DUCTBANK IN ACCORDANCE WITH PEPCO REQUIREMENTS. REFER TO DETAIL ON SHEET EU-200.
8	BASIS OF DESIGN FOR GENERATOR IS KOHLER KG150. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS ARE FOR ADDITIONAL ACCEPTABLE MANUFACTURERS.

ONE-LINE DIAGRAM LINETYPE LEGEND	
NEW	---
NEW ENCLOSURE	---
EXISTING	---
EXISTING ENCLOSURE	---
DEMOLITION	---

ONE-LINE FEEDER SCHEDULE (ALUMINUM)				
NOTES: • TAGS WITH SUFFIX "-3W" ARE THREE-WIRE, NO NEUTRAL.				
TAG	OCPD SETTING	WIRE SIZE	EQUIPMENT GROUND SIZE	CONDUIT SIZE
60	60/3 (4W)	(4) #4	(1) #8	1-1/4"
100	90/3 OR 100/3 (4W)	(4) #1	(1) #6	2"
110	110/3 (4W)	(4) #1/0	(1) #4	2"
125	125/3 (4W)	(4) #2/0	(1) #4	2"
150	150/3 (4W)	(4) #3/0	(1) #4	2-1/2"
175	175/3 (4W)	(4) #4/0	(1) #4	2-1/2"
200	200/3 (4W)	(4) #250 KCMIL	(1) #4	3"
225	225/3 (4W)	(4) #300 KCMIL	(1) #2	3"
250	250/3 (4W)	(4) #350 KCMIL	(1) #2	3"
300	300/3 (4W)	(4) #500 KCMIL	(1) #2	3-1/2"
350	350/3 (4W)	2 RUNS OF (4) #4/0 PHASE	(1) #1	2-1/2"
400	400/3 (4W)	2 RUNS OF (4) #250 KCMIL PHASE	(1) #1	3"
500	500/3 (4W)	2 RUNS OF (4) #350 KCMIL PHASE	(1) #1/0	3"
600	600/3 (4W)	2 RUNS OF (4) #500 KCMIL PHASE	(1) #2/0	3-1/2"
700	700/3 (4W)	3 RUNS OF (4) #300 KCMIL PHASE	(1) #3/0	3"
800	800/3 (4W)	3 RUNS OF (4) #400 KCMIL PHASE	(1) #3/0	3-1/2"
1000	1000/3 (4W)	4 RUNS OF (4) #350 KCMIL PHASE	(1) #4/0	3"
1200	1200/3 (4W)	4 RUNS OF (4) #500 KCMIL PHASE	(1) #250 KCMIL	3-1/2"
1600	1600/3 (4W)	6 RUNS OF (4) #400 KCMIL PHASE	(1) #350 KCMIL	3-1/2"
2000	2000/3 (4W)	8 RUNS OF (4) #350 KCMIL PHASE	(1) #400 KCMIL	3"
2500	2500/3 (4W)	9 RUNS OF (4) #500 KCMIL PHASE	(1) #600 KCMIL	4"
3000	3000/3 (4W)	10 RUNS OF (4) #500 KCMIL PHASE	(1) #700 KCMIL	4"

ALUMINUM FEEDERS ARE ACCEPTABLE FOR 110A FEEDERS AND LARGER ONLY.
PROVIDE EQUIVALENT SIZES PER NEC.

ONE-LINE FEEDER SCHEDULE (COPPER)				
NOTES: • TAGS WITH SUFFIX "-3W" ARE THREE-WIRE, NO NEUTRAL.				
TAG	OCPD SETTING	WIRE SIZE	EQUIP GROUND SIZE	CONDUIT SIZE
-	-	-	-	-
30	30/3 (4W)	(4) #10	(1) #10	3/4"
60	60/3 (4W)	(4) #6	(1) #10	1"
80	70/3 OR 80/3 (4W)	(4) #4	(1) #8	1-1/4"
100	90/3 OR 100/3 (4W)	(4) #3	(1) #8	1-1/4"
110	110/3 (4W)	(4) #2	(1) #6	1-1/2"
125	125/3 (4W)	(4) #1	(1) #6	1-1/2"
150	150/3 (4W)	(4) #1/0	(1) #6	2"
175	175/3 (4W)	(4) #2/0	(1) #6	2"
200	200/3 (4W)	(4) #3/0	(1) #6	2"
225	225/3 (4W)	(4) #4/0	(1) #4	2-1/2"
250	250/3 (4W)	(4) #250 KCMIL	(1) #4	3"
300	300/3 (4W)	(4) #350 KCMIL	(1) #4	3"
350	350/3 (4W)	(4) #500 KCMIL	(1) #3	3-1/2"
400	400/3 (4W)	(4) #500 KCMIL	(1) #3	3-1/2"
500	500/3 (4W)	2 RUNS OF (4) - #250 KCMIL PHASE	(1) #2	3"
600	600/3 (4W)	2 RUNS OF (4) - #350 KCMIL PHASE	(1) #1	3"
700	700/3 (4W)	2 RUNS OF (4) - #500 KCMIL PHASE	(1) #1/0	3-1/2"
800	800/3 (4W)	2 RUNS OF (4) - #500 KCMIL PHASE	(1) #1/0	3-1/2"
1000	1000/3 (4W)	3 RUNS OF (4) - #500 KCMIL PHASE	(1) #2/0	3-1/2"
1200	1200/3 (4W)	4 RUNS OF (4) - #350 KCMIL PHASE	(1) #3/0	3-1/2"
1600	1600/3 (4W)	5 RUNS OF (4) - #500 KCMIL PHASE	(1) #4/0	3-1/2"
2000	2000/3 (4W)	6 RUNS OF (4) - #500 KCMIL PHASE	(1) #250 KCMIL	3-1/2"
2500	2500/3 (4W)	7 RUNS OF (4) - #500 KCMIL PHASE	(1) #500 KCMIL	4"
3000	3000/3 (4W)	8 RUNS OF (4) - #500 KCMIL PHASE	(1) #400 KCMIL	3-1/2"
4000	4000/3 (4W)	11 RUNS OF (4) - #500 KCMIL PHASE	(1) #500 KCMIL	3-1/2"
EX	EXISTING TO REMAIN			

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PROVIDE EQUIVALENT SIZES PER NEC.

