

FEEDER SCHEDULE									
FEEDER NUMBER	QTY of SETS	PHASE CONDUCTORS (PER SET)	NEUTRAL CONDUCTORS (PER SET)	GROUND CONDUCTORS (PER SET)	CONDUIT SIZE (PER SET)	NOTES			
	QTY	SIZE	QTY	SIZE	QTY	SIZE	QTY	SIZE	
12.47KV	1	3	2 (15KV)	-	1	8 (600V)	5"		
600N	2	3	350 KCMIL	1	350 KCMIL	1	1	3"	
600	2	3	350 KCMIL	1	350 KCMIL	-	-	3"	
500N	2	3	250 KCMIL	1	250 KCMIL	1	2	2 1/2"	
225N	1	3	4/0	1	4/0	1	4	2"	
200N	1	3	3/0	1	3/0	1	6	2"	
100"	1	3	1	-	-	1	8	1 1/2"	1

NOTES:
1. FEEDER NOT INSTALLED IN THE FIRE PUMP ROOM OR NOT EXTERIOR LOCATED SHALL BE 2-HOUR FIRE RATED MI CABLE.

AUTOMATIC TRANSFER SWITCH SCHEDULE										
DESIGNATION	AMPACITY	PHASE	WIRES	SWITCHED POLES	LOAD DUMP	PRIORITY	VOLTAGE	MOUNTING	WCR	NOTES
ATS-OS	600	3	4	4	NO	1	208/120V	WALL	42,000	1

NOTES:
1. PROVIDE A NEMA 3R ENCLOSURE.

GENERATOR SCHEDULE						
DESIGNATION	KW	KVA	VOLTAGE	PHASE	UNIT CIRCUIT BREAKER	NOTES
GEN-A	150	187	208/120V	3	600A-3P LSI	1, 2, 3

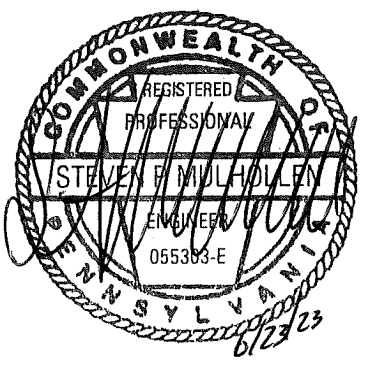
NOTES:
1. DIESEL FUEL SOURCE WITH 24 HOUR CAPACITY BASE TANK.
2. PROVIDED WITH WEATHERPROOF EXTERIOR ENCLOSURE (SEE SPECIFICATIONS).
3. PROVIDE WITH BUILT-IN LOAD BANK TO ENSURE THE GENERATOR IS LOADED TO 50% EVERY TIME IT RUNS, TO COMPLY WITH NFPA 110.

- KEYNOTES**
- PROVIDE LABEL ON MAIN DISTRIBUTION PANEL INDICATING ELECTRICAL CHARACTERISTICS TO COMPLY WITH NEC 110.16(B).
 - PROVIDE WARNING SIGN INDICATING TYPE AND LOCATION OF STANDBY POWER SOURCE TO COMPLY WITH NEC 701.7(A).

1 ELECTRICAL SINGLE-LINE DIAGRAM - NEW WORK

NOT TO SCALE

VERIFY SCALE	BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING: 0 1		
	IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY		
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.	DRAWN BY S. SMOLKO	DATE 27 JUNE 2023	SHEET No. E-502

RECORD REVISIONS	
	
PROFESSIONAL'S SIGNATURE DATE	
UpStreet ARCHITECTS, INC. 541 PHILADELPHIA ST. INDIANA, PA 15701 911 MENOHER BLVD. JOHNSTOWN, PA 15905	
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES HARRISBURG, PENNSYLVANIA	
D.G.S. PROJECT No. C-0588-0015 PHASE 1	
LOYSVILLE YOUTH DEVELOPMENT CENTER- RENOVATIONS TO ZIMMERMAN-BINGAMAN (ZB) COTTAGE DEPARTMENT OF HUMAN SERVICES LOYSVILLE, TYRONE TOWNSHIP, PERRY COUNTY, PA	
ELECTRICAL SINGLE-LINE DIAGRAM - NEW WORK	