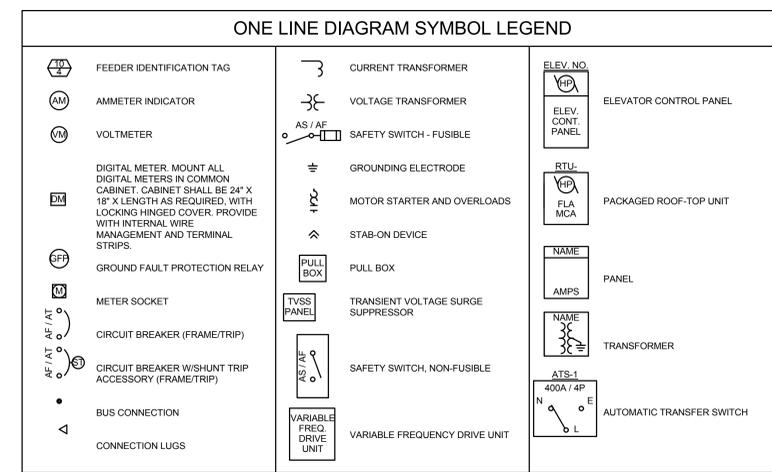
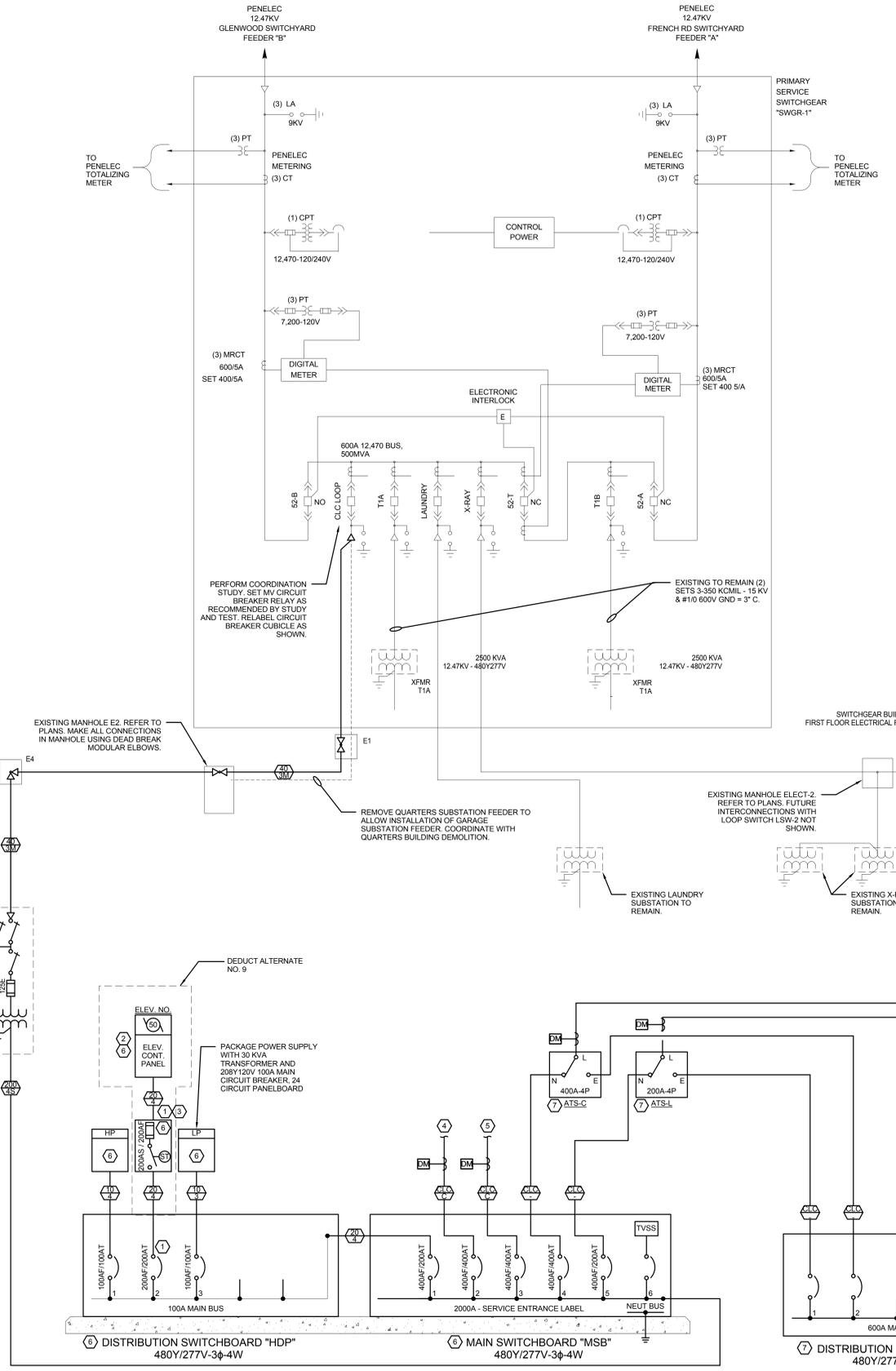


three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 one quarter inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 one eighth inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot



FEEDER SCHEDULE

TAG	AMPACITY	CABLE IDENTIFICATION	RACEWAY	REMARKS
20	20	2-#10, 1-#10 GND.	3/4" C.	
60	60	3-#4, 1-#8 GND.	1" C.	
100	100	3-#2, 1-#6 GND.	1-1/4" C.	
100	100	4-#2, 1-#6 GND.	1-1/2" C.	
200	200	4-#3/0, 1-#6 GND.	2" C.	
2000	2000	(5) 4-#600KCMIL, 1-#400KCMIL GND.	(5) 4" C.	
415	415	3-350 KCMIL - 15KV EPR - 133%, 1-#1/0 600V GND	4" PVC.	
-	-	-	-	1
-	-	-	-	2

NOTES:
 1. ALL FEEDER SIZES ARE BASED ON NEC TABLE 310.16, 75 DEG. CELSIUS AND COPPER CONDUCTORS. LARGER SIZES MAY BE REQUIRED FOR 60 DEG. CELSIUS APPLICATIONS.
 2. RACEWAY SIZE IS BASED ON 40% FILL AND FLEXIBLE METAL CONDUIT. LARGER RACEWAYS MAY BE REQUIRED FOR SCHEDULE 80 PVC APPLICATIONS.
 3. FEEDERS SHOWN IN ONE-LINE DIAGRAM MAY BE LARGER THAN OVERCURRENT PROTECTIVE DEVICE SHOWN HERE TO COMPENSATE FOR VOLTAGE DROP.
 4. 5-WIRE FEEDERS WITH 200% RATED NEUTRAL IS BASED ON NEC TABLE 310.15(B) ADJUSTMENT FACTORS FOR MORE THAN THREE CURRENT CARRYING CONDUCTORS.

REMARKS:
 1. NOT IN CONTRACT - SHOWN FOR REFERENCE ONLY. CONDUCTORS AND CONDUIT TO BE INSTALLED UNDER CLC PROJECT.
 2. CONDUIT ONLY. CONDUCTORS TO BE INSTALLED UNDER CLC PROJECT. REFER TO DUCT BANK DETAILS ON E-502 AND E-503.

- ### Key Notes
- CIRCUIT BREAKER OR FUSE RATING SHOWN FOR BIDDING PURPOSES ONLY. COORDINATE RATING WITH EQUIPMENT NAMEPLATE OR INSTALLATION REQUIREMENTS PRIOR TO ORDERING OR SUBMITTING SHOP DRAWINGS.
 - PROVIDE WIRING FROM ELEVATOR CONTROLLER TO DRIVE MOTOR AND MAKE FINAL CONNECTIONS. COORDINATE INSTALLATION AND WIRING REQUIREMENTS WITH ELEVATOR EQUIPMENT SUPPLIER.
 - PROVIDE WITH AUXILIARY CONTACTS FOR INTEGRATION WITH ELEVATOR BATTERY LOWERING SYSTEM. ROUTE (2) #12 #12 GND - 3/4" C TO ELEVATOR CONTROLLER (NOT SHOWN).
 - NOT USED.
 - NOT USED.
 - ELECTRICAL EQUIPMENT TO BE PROVIDED IN PARKING GARAGE PROJECT.
 - ELECTRICAL EQUIPMENT LOCATED IN PARKING GARAGE. PROVIDED IN CLC PROJECT.

1 ELECTRICAL ONE-LINE DIAGRAM

FINAL SUBMITTAL

No.	Description	Date
DD#1		07/09/2012
DD#2		08/13/2012
CD#1		09/24/2012
CD#2		11/02/2012
	FINAL SUBMITTAL	05/07/2013
Revisions:		Date

CONSULTANTS

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ARCHITECT/ ENGINEERS

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Drawing Title
ELECTRICAL ONE-LINE DIAGRAM

Approved: Project Director

Project Title
VA Erie Parking Structure

Location
 Erie, PA

Date
 9/24/2013

Checked
 MSB

Drawn
 SRH

Project Number
 11159.00

Building Number

Drawing Number
E-601

Office of Construction and Facilities Management

Department of Veterans Affairs