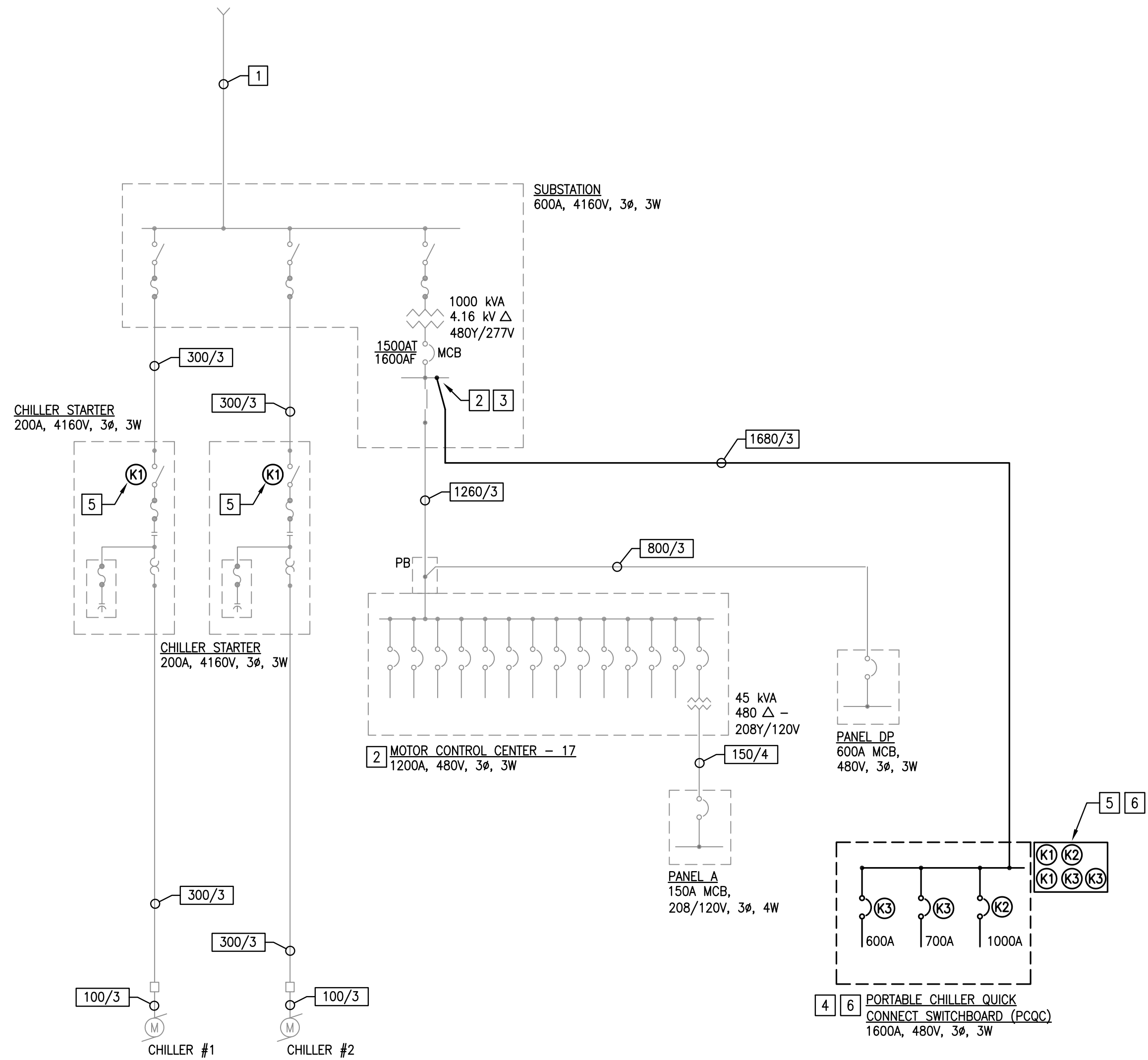


- DRAWING NOTES**
- [1]** UTILITY TRANSFORMER, EXTERIOR DUCTBANK AND SERVICE ENTRANCE CABLES ARE ALL EXISTING TO REMAIN INTACT.
- [2]** EXISTING MOTOR CONTROL CENTER – SCHEDULE OUTAGE IN CONJUNCTION WITH MECHANICAL WORK (CHILLED WATER OUTAGE) TO ALLOW FOR CONNECTION OF NEW FEEDER FROM MCB TO PCQC. COORDINATE OUTAGE WITH OWNER IN ACCORDANCE WITH VA REQUIREMENTS.
- [3]** ADD 1600A COPPER EXTENSION BUS PLATES ON LOAD SIDE OF EXISTING 1600A BREAKER AND CONNECT NEW FEEDER AS NECESSARY. PROVIDE ALL BUSWORK, DRILLINGS, HARDWARE, FASTENERS, SUPPORTS, ETC AS NECESSARY FOR A COMPLETE, SAFE AND CODE COMPLIANT INSTALLATION. FEEDER CONNECTION SHALL UTILIZE NEMA 2-HOLE, LONG BARRELED, COPPER, COMPRESSION STYLE TERMINALS BOLTED TO THE BUS. REMOVE AND REINSTALL EXISTING TERMINATIONS AS NECESSARY TO MAKE NEW CONNECTIONS.
- [4]** PROVIDE 480V, 3ø, 3W, 1600 AMP PORTABLE CHILLER QUICK CONNECT SWITCHBOARD (PCQC) – SEE SPECIFICATIONS AND DETAIL THIS DRAWING.
- [5]** PROVIDE KEY INTERLOCK (APARTMENT STYLE) ON PCQC SWITCHBOARD THAT COORDINATES WITH KEY INTERLOCK SYSTEM FOR EXISTING CHILLER STARTERS. KEY K1 IS CAPTURED AT MEDIUM VOLTAGE STARTER FOR CHILLER. KEY K1 CAN BE REMOVED ONCE STARTER'S DISCONNECT IS OPEN (OFF). K1 KEY CAN THEN BE UTILIZED TO UNLOCK EITHER K2 KEY OR TWO K3 KEYS FROM THE NEW APARTMENT STYLE LOCK. KEY K2 OR TWO K3 KEYS CAN ALLOW EITHER THE 1000A BREAKER IN PCQC TO CLOSE OR THE 700A AND 600A BREAKER TO CLOSE AND THUS ENERGIZE THE PORTABLE CHILLER. NOTE THE K1 KEYS ARE EXISTING AND ARE LIKELY DIFFERENT FROM ONE ANOTHER, BUT EITHER ONE MUST BE ABLE TO UNLOCK THE APARTMENT STYLE SYSTEM. CONTACT THE KEY MANUFACTURER WITH THE KEY ID INFORMATION. IF NECESSARY REPLACE THE K1 KEYS AND CYLINDERS ON THE CHILLER STARTERS TO MAKE SYSTEM FULLY OPERATIONAL.
- [6]** PROVIDE ENGRAVED LAMACOID SIGN (WHITE 1/4" TALL LETTERS ON BLACK BACKGROUND) WITH OPERATIONAL INSTRUCTIONS FOR KIRK-KEY SYSTEM AND CONNECTION PROCEDURE FOR TEMPORARY CHILLER – SEE SPECIFICATIONS.

FEEDER SCHEDULE	
SYMBOLS	CONDUCTOR AND CONDUIT
	3 #2 (5KV) + 1 #6 G (600V) IN 1 1/2" C.
	4 #2 + 1 #6 G IN 1 1/2" C.
	4 #1/0 + 1 #4 G IN 2" C.
	3 - 350 KCMIL IN 3" C.
	2 SETS OF 3 - 500 KCMIL + 1 #1 G IN TWO 3" C.
	3 SETS OF 3-600 KCMIL + 1 #3/0 G IN THREE 4" C.
	4 SETS OF 3-600 KCMIL + 1 #3/0 G IN FOUR 4" C.



ONE LINE DIAGRAM – EXISTING CONDITIONS AND NEW WORK
SCALE: NOT TO SCALE

FINAL CONSTRUCTION DOCUMENTS

Revisions	Date	INFECTION CONTROL COORDINATOR Janice Myers	GENERAL PROPERTIES SECTION Steve Gray	CHIEF, A&MM SECT, CONTRACTING OFFICER Elizabeth Morin	PROJECT MANAGER (COTR) John Sauser
		SAFETY/OCCUPATIONAL HEALTH MGR Scott McNally	GENERAL UTILITIES SECTION H. Edward Prange	ENVIRON HEALTH FIRE/SAFETY SECT. William Gulliver	SUPERVISOR PROJECT SECTION Michael Carcanague
		PATIENT SAFETY MANAGER Lyn Ordonez	PATIENT CARE SECTION Peter Duca	VA POLICE CHIEF Gerald Bonner	SUPERVISOR, BIOMED / M&D Kimberly Sekiya

		Drawing Title ONE-LINE DIAGRAM, SCHEDULE AND DETAIL		Project Title EMERGENCY CHILLER MEP CONNECTION		Date 19 July 2010	VA
		Approved: Chief Engineering Service Stephan Blanchard		Drawn EAW	Building Number 17	Project No. 542-09-117	
		Approved: Medical Center Director Gary W. Devansky		Checked MDB	Location COATESVILLE, PENNSYLVANIA	DRAWING No. E-3	
						Dwg. 6 Of 6	