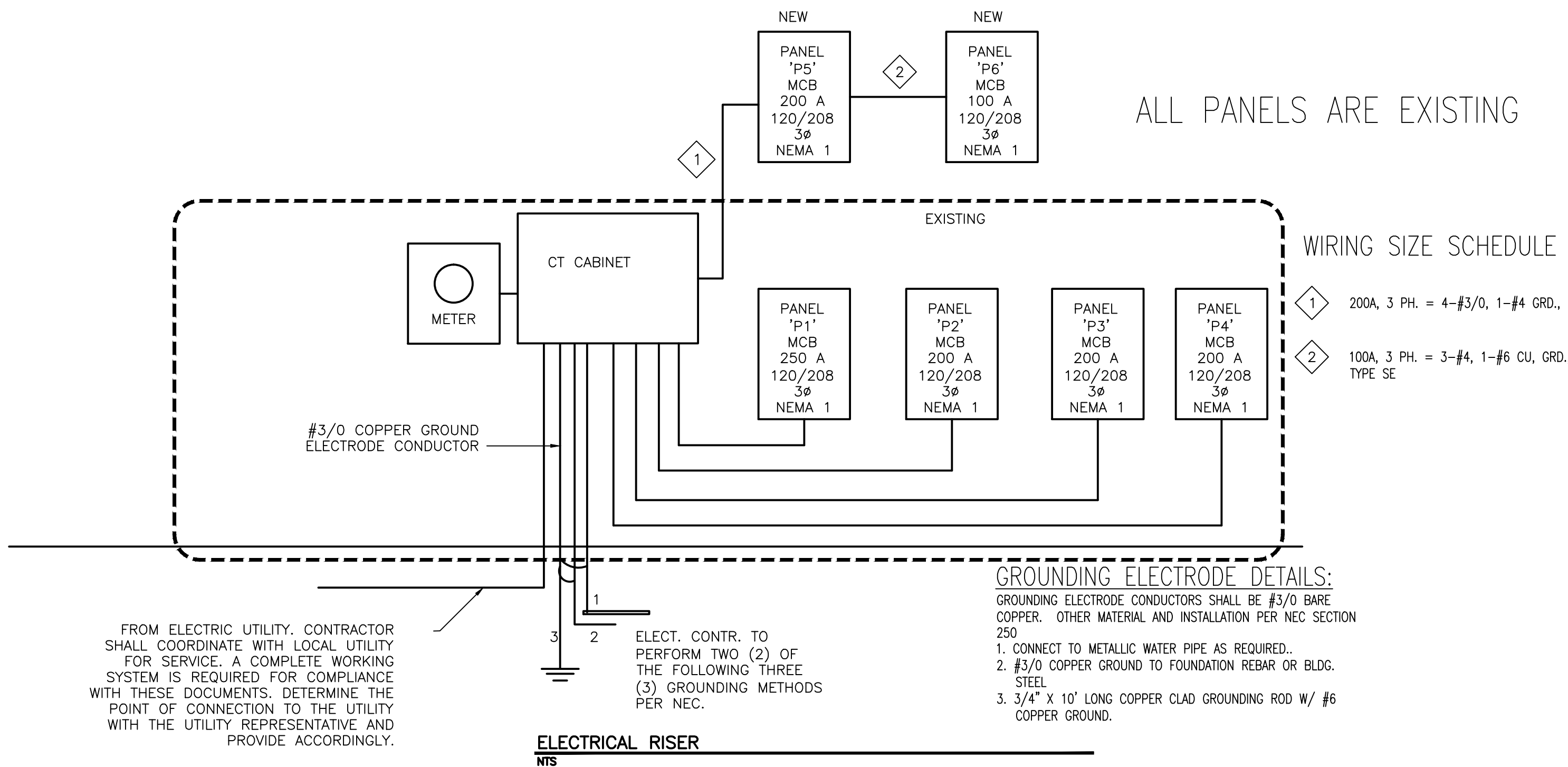


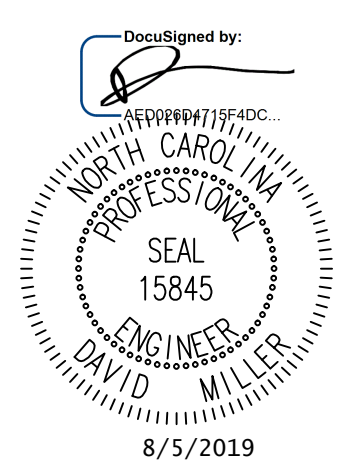
PANEL P5												
VOLTAGE (L-N): 120					ENCLOSURE TYPE: NEMA 1							
VOLTAGE (L-L): 208					MOUNTING: RECESSED							
PHASES, WIRES: 3 φ 4 W					AIC RATING (A): 22000							
MINIMUM BUS CAPACITY (A): 200 A					NOTES: -----							
MAIN O.C. DEVICE (A): 200 A												
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)			POLE	TRIP AMPS	DESCRIPTION	CKT NO		
				A	B	C						
1	LIGHTS - ASSIST PRINCIPALS OFFICE	20	1	192	360		1	20	RECEPT - ASSIST PRINCIPALS OFFICE	2		
3	LIGHTS - IT ROOM	20	1		192	180	1	20	RECEPT - IT ROOM	4		
5	LIGHTS - NURSE OFFICE	20	1			192	360	1	20	RECEPT - NURSE OFFICE	6	
7	LIGHTS - RECORDS ROOMS	20	1	192	180			1	20	RECEPT - COPIER IN CORRIDOR	8	
9	LIGHTS - CORRIDOR	20	1		512	1000		1	15	RECEPT - SUMP PUMP NURSE OFFICE	10	
11	LIGHTS - EXTERNAL ILLUMINATION	20	1				0	1750			12,14	
13	RECEPT HP OUTSIDE	20	1	180	1750			2	30	TWH	12,14	
15,17	HP-10	30	2		2028	6084		2	60	AH-10	16,18	
15,17	HP-10	30	2				2028	6084	2	60	AH-10	16,18
14	SPARE	20	1	0								
				CONNECTED LOAD PHASE TOTALS (VA)								
				14339	20236	10774						
				CONNECTED LOAD (KVA)			DEMAND FACTOR			DEMAND LOAD (KVA)		
				45.3		49.1						
				LOAD (AMPS):			125.9			136.4		

PANEL P6												
VOLTAGE (L-N): 120					ENCLOSURE TYPE: NEMA 1							
VOLTAGE (L-L): 208					MOUNTING: RECESSED							
PHASES, WIRES: 3 φ 4 W					AIC RATING (A): 22000							
MINIMUM BUS CAPACITY (A): 100 A					NOTES: -----							
MAIN O.C. DEVICE (A): 100 A												
CKT NO	DESCRIPTION	TRIP AMPS	POLE	PHASE LOADS (VA)			POLE	TRIP AMPS	DESCRIPTION	CKT NO		
				A	B	C						
1	LIGHTS CLASSROOM	20	1	584	180		1	20	RECEPT STUDY HALL/LIBRARY	2		
3	SPARE	20	1		0	180	1	20	POWER NEW CLASSROOM	4		
5	SPARE	20	1			0	180	1	RECEPT TEST ROOM 2	6		
7	LIGHTS CLASSROOM	20	1	769	540		1	20	RECEPT TEST ROOM 3	8		
9	LIGHTS STAFF WORK ROOM	20	1		288	360	1	20	RECEPT STAFF WORK ROOM	10		
				CONNECTED LOAD PHASE TOTALS (VA)								
				11485	10240	360						
				CONNECTED LOAD (KVA)			DEMAND FACTOR			DEMAND LOAD (KVA)		
				22.1		24.2						
				LOAD (AMPS):			61.3			67.1		



- NOTES:
- CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY FOR SERVICE. A COMPLETE AND WORKING SYSTEM IS REQUIRED FOR COMPLIANCE WITH THESE DOCUMENTS. DETERMINE THE POINT OF CONNECTION TO THE UTILITY WITH THE UTILITY REPRESENTATIVE AND PROVIDE ACCORDINGLY FOR A COMPLETE WORKING SYSTEM.
 - WIRE AND CABLE SHALL BE INSULATED, TYPE THWN OR THHN, 600 VOLTS, WITH COPPER CONDUCTORS. CONDUCTOR SIZES NO. 8 AWG AND LARGER MAY BE STRANDED. CONDUCTORS SIZES NO. 10 AWG AND SMALLER MAY BE SOLID OR STRANDED.
 - EMT SHALL BE GALVANIZED STEEL TUBING 1/2-INCH MINIMUM SIZE, EQUAL TO ELECTRUNITE BRAND OR APPROVED AND USED ONLY WITH HEXAGONAL ALL STEEL COMPRESSION FITTINGS.
 - PLASTIC CONDUIT SHALL BE RIGID, 3/4-INCH MINIMUM NON-METALLIC, HEAVY DUTY, HIGH IMPACT, POLYVINYLCHLORIDE (PVC), TYPE I WILL BE USED FOR CONCRETE ENCASEMENT, FITTINGS SHALL BE THE SAME MATERIALS AND MANUFACTURER AS THE PLASTIC CONDUIT.
 - FLEXIBLE METAL CONDUIT SHALL BE 1/2-INCH MINIMUM SINGLE STRIP, STEEL, HOT DIPPED GALVANIZED INSIDE AND OUTSIDE, MAXIMUM LENGTH 72 INCHES FOR LIGHTING AND 36 INCHES FOR MOTORS, FLEXIBLE METAL CONDUIT SHALL BE LIQUIDTIGHT OR WATERTIGHT WITH PVC JACKET WHERE USED IN DAMP, WET OR OUTSIDE AREAS, AND LIQUIDTIGHT OR WATERTIGHT CONNECTORS SHALL BE USED.
 - NO RECEPTACLES OR TEL. OUTLETS TO BE MOUNTED BACK TO BACK, KEEP AT LEAST 2 INCHES BETWEEN RECEPTACLES AND TEL. OUTLETS.
 - ALL CONDUCTOR SHALL BE COPPER WITH A MINIMUM SIZE OF #2 AWG EXCEPT FOR FIRE ALARM. THESE CONDUCTORS SHOULD COMPLY WITH NFPA.
 - CONTRACTOR SHALL ALIGN FIXTURES, SMOKE DETECTORS, CEILING DIFFUSERS ETC. AS REQUIRED TO PROVIDE A UNIFORM PRESENTATION. AT NO TIME WILL AN IONIZATION DETECTOR BE LOCATED WITHIN 3'-0" OF A SUPPLY OR RETURN AIR GRILLE.
 - CIRCUIT BREAKERS AND WIRE ARE SIZED FOR SPECIFIC EQUIPMENT. BEFORE ORDERING WIRE, BREAKERS AND CONDUIT FOR THIS PROJECT THE CONTRACTOR SHALL COORDINATE WITH THE OTHER CONTRACTORS ON THE JOB AND VERIFY THE ELECTRICAL DATA FOR THE EQUIPMENT WHICH WILL ACTUALLY BE INSTALLED, RECOMPUTING WIRE AND BREAKER SIZES IF REQUIRED BY THE NEC.
 - ALL CONDUIT TERMINATING IN THE CEILING CAVITIES IS TO BE LABELED.
 - ALL CONDUIT SHALL BE COLOR CODED WITH 1/2-INCH WIDE TAPE, 10'-0" ON CENTER IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE.
 - THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT AND OWNER, PRIOR TO INSTALLATION, FOR USE WITH ACTUAL EQUIPMENT.
 - EACH CONTRACTOR WILL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM OR HER AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER/ARCHITECT. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER/ARCHITECT AT THE CONTRACTORS EXPENSE.
 - THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS.
 - THE CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO THE INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE.
 - ALL FUSES DISCONNECT SWITCHES AND BREAKER SIZES SHOWN FOR MECHANICAL EQUIPMENT SHALL BE VERIFIED BEFORE PURCHASE AND INSTALLATION OF SAID EQUIPMENT WITH THE EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR.
 - WHERE EQUIPMENT PENETRATES EXTERIOR WALL OR ROOF THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER/ARCHITECT.
 - ALL WORK IS TO BE DONE IN STRICT COMPLIANCE WITH THE LATEST VERSION OF THE NEC AND APPLICABLE

STATE CODES.



Anderson Creek remodeling
 PANEL SCHEDULES
 RAY ROAD, ANDERSON CREEK NC

SHEET NUMBER
E601

X of X SHEETS

PROJECT NO.: 19DDM0716	BY: DISCUSSION: DM
DATE: 8/1/17	REMOVED REFERENCE TO ROMEX NOTE 2
DRAWN BY: DCW	DATE: 7/17/2019
CHECKED BY: DM	DATE: 9/1/17
	UPDATED FOR NEW HVAC EQUIPMENT

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