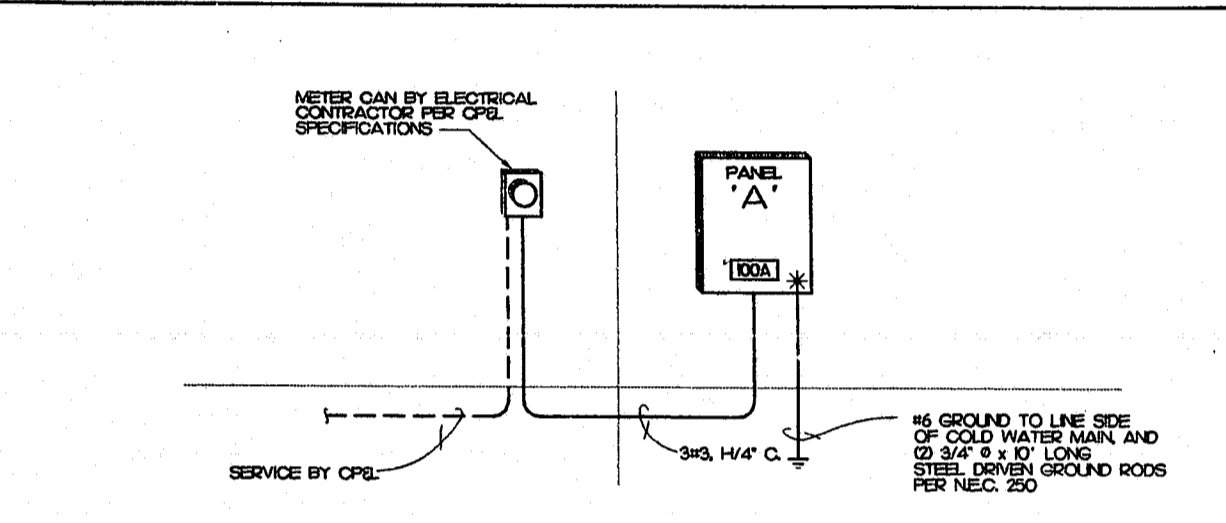


01 POWER PLAN  
E.02 SCALE: 1/4" = 1'-0"

DESIGNATION	1	2	DESIGNATION
LIGHTS	1	2	UNIT HEATER #1
SPARE	3	4	2 1/2" H2O, 1/2" C.
FANS	5	6	UNIT HEATER #1
ICE MACHINE	7	8	2 1/2" H2O, 1/2" C.
RECEPTACLES	9	10	UNIT HEATER #2
RECEPTACLES	11	12	2 1/2" H2O, 1/2" C.
EWIC	13	14	WATER HEATER
SPARE	15	16	SPACE
SPARE	17	18	SPACE
SPARE	19	20	SPACE
SPARE	21	22	SPACE
SPARE	23	24	SPACE

NOTES:

LOAD CALCULATIONS				PANEL 'A'	
DESCRIPTION	KVA	DIV. FACTOR	DIV. KVA	CONNECTED LOAD: 16.88 KVA	
LIGHTS	.89	125%	.87	ALL BREAKERS F-20A UNLESS NOTED OTHERWISE	
RECEPTACLES	1.08	100%	1.08	1 PHASE 3 WIRE	
WATER HEATER	1.65	100%	1.65	AMPS: 100	MAIN BREAKER
MISC.	4.68	100%	4.68	VOLTS: 207/240	MLO
LARGEST HEAT	3.00	125%	4.00	A/C RATING: 10 K	
REMAINING HEAT	4.00	100%	4.00	MOUNT: SURFACE	
TOTAL			16.88	NEHA: 1	UL LISTED 'SERVICE EQUIPMENT'
				0.688 00001	
				0240	
				- 70.93 AMPS	

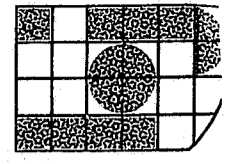


02 POWER RISER  
E.02 NOT TO SCALE

GENERAL NOTES

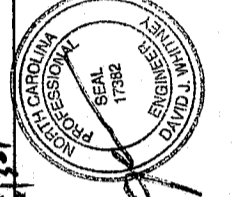
- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO THE INSTALLATION OF HIS EQUIPMENT SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE.
- USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE GREEN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS IN EACH CONDUIT.
- ALL BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.
- ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES AND ORDINANCES.
- EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT, PRIOR TO INSTALLATION FOR USE WITH THE ACTUAL EQUIPMENT, CASEWORK, AND MILLWORK TO BE FURNISHED.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES, AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS TO AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS - SEE DETAILS FOR CONNECTION TO EQUIPMENT PROVIDED BY MECHANICAL AND PLUMBING CONTRACTORS.
- WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS.
- ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS.
- RECORD DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL VERIFY THE CEILING TYPES WITH THE GENERAL CONTRACTOR PRIOR TO THE PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR ALL FIXTURES. ANY DIFFERENCES WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE INSTALLATION OF THE NEW UNDERGROUND ELECTRICAL SERVICE WITH THE LOCAL UTILITY. THE ELECTRICAL CONTRACTOR SHALL PAY ALL CHARGES FOR THE INSTALLATION OF THE NEW UNDERGROUND SERVICE.
- THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE LOCATION OF HIS TELEPHONE CONDUIT STUB OUTS WITH THE LOCAL TELEPHONE COMPANY PRIOR TO HIS INSTALLING ANY CONDUITS.
- ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER THIRTY-TWO WIRE. ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75 C.
- MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 AWG.
- ROMEX CABLE (TYPE NM), METAL-CLAD CABLE (TYPE MC) AND ARMORED CABLE (TYPE AC) IS AN ACCEPTABLE WIRING METHOD SUBJECT TO RESTRICTIONS OF THE NEC.
- THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3).
- MOUNT ONE DUPLEX GFI RECEPTACLE ON FENCE POST AT EACH COURT. CONNECT RECEPTACLES ALTERNATELY TO TWO SPARE CIRCUITS IN PANEL. RUN #8 AWG TO 1" RECEPTACLE BOX.

99-SP-210  
APPROVED  
10/1/00  
10/1/00



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2000-07-28-2005-07-28

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**PRESTONWOOD COUNTRY CLUB  
TENNIS COURTS, HALF-WAY SHELTER**  
Cary / Morrisville, North Carolina  
Wake County, North Carolina

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E.02