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LIGHTING FIXTURE SCHEDULE

FIXT. LET.	TYPE	LAMP WATTS	MANUFACTURER & STYLE NO.	FINISH	MOUNTING METHOD	FIXT. LET.	TYPE	LAMP WATTS	MANUFACTURER & STYLE NO.	FINISH	MOUNTING HEIGHT
C.	2X4 LAY-IN FLUORESCENT FLUORESCENT W/ DIFFUSER W/ ELECTRONIC BALLAST	2-32W T-8	COLUMBIA # 24-2X4-232-2-U-T-PRB-U-EB2U-120 LITHONIA # 2PV3U-D-U-232-16-LD-120-EB2U-LS HPTMALUX # FCL-U-A-232-U-3B-U-120-FT2U	SPECULAR ALUMINUM	IN CEILING	H.	EXTERIOR RECESSED FLUORESCENT EQUIVALENT W/ ELECTRONIC BALLAST	2-26W F.L.	PRESCOLITE # LFTR52 HO 2B1B DTPR TLD GOTHAM # LAF-2/26-TRT-LPRG-175-WHDJ HALO # 1429-23P	WHITE	IN CEILING
E.	2X4 LAY-IN FLUORESCENT FLUORESCENT W/ ELECTRONIC BALLAST	2-32W T-8	COLUMBIA # STE-24-232-U-PA-A12 25-2B4B-LD LITHONIA # 2SP8-U-232-PW-A12125-120-GEB10IS METALUX # CG4-1A-232-U12125-120-FPB1	BAKED WHITE ENAMEL	IN CEILING	T.	4'-0" TWO TUBE FLUORESCENT STRIP W/ WIREGUARD	2-32W T-8	COLUMBIA # CS-4-232-EN8TN-120-CSW-4 LITHONIA # C-232-120-GEB10IS-WGS METALUX # CS-232-120-EZB1-WG/ES-4FT-L	BAKED WHITE ENAMEL	8' CEILING
F.	4'-0" 2X4 LAY-IN FLUORESCENT PRISMATIC W/ ELECTRONIC BALLAST	1-32W T-8	COLUMBIA # 2X4-1-T2-232-U-120 LITHONIA # 2PP-1-232-WGLT GEB10IS METALUX # PH-1-232-120-EZB1	BAKED WHITE ENAMEL	ON WALL ABOVE MIRROR	V.	POST LANTERN	1-250W M.H.	HADCO # 4T32-75-G-250H WITH 14" PRISMATIC GLOBE PLP # NCW-A8-5M-14"-GH-1-A FOR WATCH POLE AND FIXTURE AT COMMUNITY BUILDING ALONG ROADS	SHEET	ON BASE SEE DETAIL
G.	RECESSED FLUORESCENT DOWNLIGHT	2-13W P.L.	PRESCOLITE # CFR51HO/BRS-2DIM-ET-T-PRD LITHONIA # X-2-13DFT & AR A12 WHDJ PORTFOLIO # 07213-2-7280-U-1	ALZAK	IN CEILING	K.	RECESSED FLUORESCENT DOWNLIGHT W/ DIMMING FLUORESCENT DIMMING BALLAST	1-32W P.L.	PRESCOLITE # CFTR32HEN-2DIM-ET-T-PRD GOTHAM # AF-1-32HT-6-A12-DHBLD PORTFOLIO # 09242-1A32-H26D-U-1	ALZAK	IN CEILING
E-1.	RECESSED EMERGENCY BATTERY LIGHT	1-10W	CORNERSTONE # ERSP-1PW LITHONIA # ELSD-ELA-PRK SURE-LITE # PAD1-SNL-1PW	WHITE	IN CEILING	P.	4'-0" FLOOD LIGHT (FLOOR-LEVEL) (NEMA 3X5 PATTERN OR NEMA 2X2)	1-175W H.P.	Hubbell # MDC-0175-H-338-MPC-BS-7 LITHONIA # HFM-175W-HS-120-TPLX-XHP MUSKRAM-ELTON # ASF-175-1-120-22-K-DBC-B1-N	BRONZE	ON BASE SEE DETAIL
E-2.	RECESSED EMERGENCY BATTERY LIGHT W/ REMOTE CAPACITY	1-10W	CORNERSTONE # ERSP-1PW LITHONIA # ELSDN-ELA-PRK SURE-LITE # PAD2-SNL-1PW	WHITE	IN CEILING	Q.	EXTERIOR FLUORESCENT SUN JOINT	2-32W T-8	LSI # LP-32-D-BNZ-AM-G1-HB1 FIDELITY # AFT-S4E-HS	BRONZE	ON BASE SEE DETAIL
E-3.	RECESSED REMOTE EMERGENCY LIGHT	5W	CORNERSTONE # RPR5H-1-0000-PTW LITHONIA # ELA-5LRPR-1W-PRK SURE-LITE # PAD1HD-PTW-1	WHITE	IN CEILING	R.	1X4 SURFACE MOUNTED FLUORESCENT FIXTURE WITH ELECTRONIC BALLAST	2-32W T-8	LITHONIA # M-2S2-FW-A12120-120-GEB10IS COLUMBIA # SM 14 232 PA A12125 EFBUH 120 METALUX # MC-PA-232-A12B-120-EZB1	BAKED WHITE ENAMEL	8' CEILING
E-4.	WALL MOUNTED BATTERY EMERGENCY LIGHT WITH REMOTE CAPACITY	2W	CORNERSTONE # ERW1 LITHONIA # ELWN-6-L SURE-LITE # UCD	WHITE	ON WALL 10'-0" A.F.F.	X-1	WALL MOUNTED BATTERY EXIT LIGHT	LED.	CORNERSTONE # WTR-0-EX-W LITHONIA # LQM-S-W-1-G-120/277-E-N SURE-LITE # QUX-7-1-70-G-WR	WHITE	ON WALL ABOVE DOOR
X.	TUBULAR EXIT LIGHT W/ ELECTRONIC BALLAST	2-32W T-8	ALCOA # TEL-2-EFU232-U-PW-A-EN LITHONIA # LT-1-232-U-EXT-WD METALUX # FCH-1-U-2-F042-120-D-V101	BRONZE	ON WALL 10'-0" A.F.F.	Y-1	CEILING MOUNTED EXIT LIGHT ARROW LEFT	LED	CORNERSTONE # WSX-0-EN-W LITHONIA # LQM-S-W-1-G-120/277-EN SURE-LITE # QUX-7-1-70-G-WR	WHITE	8' CEILING

KOLMA EXT SH OFFERED FIXTURES AS W/ FINISHES OF SIMILAR OR WILLING ARE ACCEPTABLE. EQUIVALENT EQUIPMENT AS HEREIN NOTED IS ACCEPTABLE. EQUIVALENT THE REFERENCE OR EXT LIGHTING FIXTURES AS NOTED ABOVE OR CATALOG NO. OR SPECIFICATION ARE ACCEPTABLE.

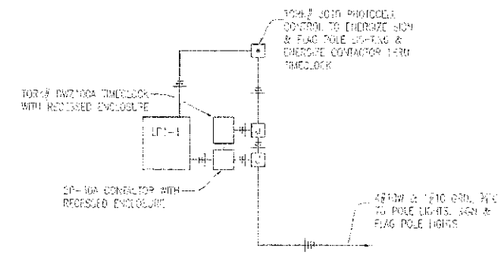
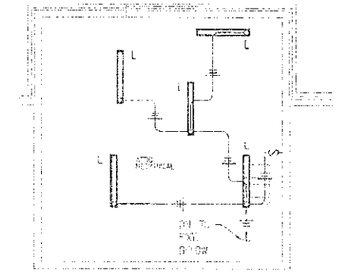
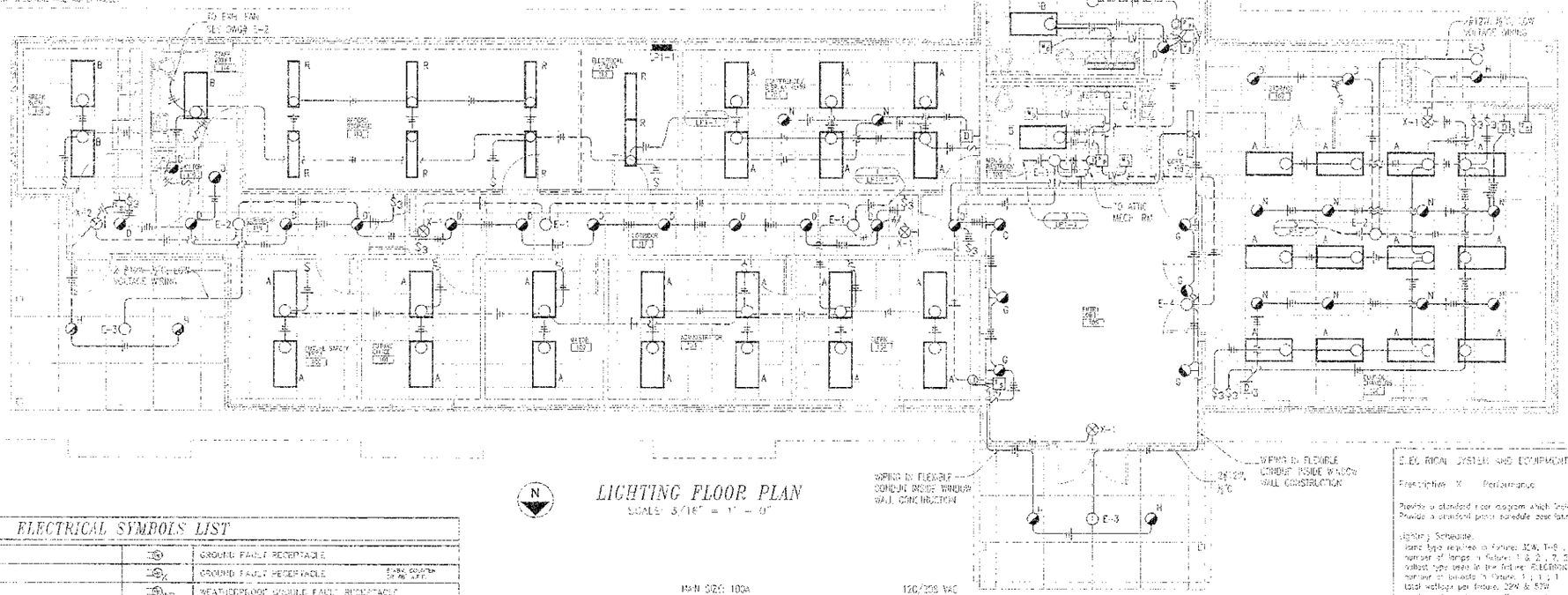


DIAGRAM OF EXTERIOR LIGHTING CONTROLS
NO SCALE



PART PLAN ATTIC MECHANICAL SPACE
SCALE: 3/16" = 1'-0"



LIGHTING FLOOR PLAN
SCALE: 3/16" = 1'-0"

ELECTRICAL SYMBOLS LIST

	SWITCHED CIRCUIT		GROUND FAULT RECEPTACLE
	UNSWITCHED CIRCUIT		GROUND FAULT RECEPTACLE
	2 WIRE CIRCUIT WITH GROUND		WEATHERPROOF GROUND FAULT RECEPTACLE
	3 WIRE CIRCUIT & GROUND		FLOOR MOUNTED DUPLEX RECEPTACLE
	4 WIRE CIRCUIT WITH GROUND		DISCONNECT SWITCH
	3 WIRE CIRCUIT		SINGLE POLE TOGGLE SWITCH
	LOW VOLTAGE CIRCUIT		3-WAY SWITCH
	VARIOUS CIRCUIT		TOGGLE DISCONNECT SWITCH
	CEILING MOUNTED FLUORESCENT OUTLET		MICROPHONE OUTLET
	FLUORESCENT STRIP		MOTION DETECTOR
	FLUORESCENT BRACKET		POWER PACK AND JUNCTION FOR MOTION DET.
	RECESSED FLUORESCENT DOWN LIGHT		WALL BOX DIMMER
	INCANDESCENT CEILING OUTLET		THREE WAY DIMMER SWITCH
	WALL MOUNTED FLUORESCENT BRACKET		TIMER SWITCH
	WALL MOUNTED EXIT LIGHT		POWER PANEL
	CEILING MOUNTED EXIT LIGHT		LIGHTING PANEL
	DUPLEX FLOOR OUTLET		CEILING MOUNTED JUNCTION
	TOGGLE DUPLEX RECEPTACLE		WALL MOUNTED JUNCTION
	DUPLEX RECEPTACLE		MOTOR (NUMBER INDICATES HP)
	CEILING MOUNTED DUPLEX RECEPTACLE		CEILING MOUNTED SPEAKER
	COMBINATION FLOOR POWER/TELEPHONE OUTLET		TELEDATA OUTLET

MAIN SIZE: 100A — 120/208 VAC, 10,000 A.I.C.

CIRCUIT DESCRIPTION	CKT.			CKT.	CIRCUIT DESCRIPTION
CIR. CONTROL WIRE FOR INDICATOR LIGHT (NEW)	1	1	2		SPARE
LIGHT SEL. WIRE FOR CIRCS. 103 & 115	3	3	4	20	CIR. CONTROL WIRE (NEW) FOR THE BRIDGE EXT. LIGHTS, TIME CLOCK & SEPARATE CIR.
CIR. LOBBY 100, TOILETS & ATTIC TEST 101	5	5	6	20	SPARE
CIR. COUNCIL CHAMBER 105 STOR. 107 & PORCH	7	7	8	20	RECEPTS. ADMINISTRATOR 103
RECEPTS. FUTURE SAFETY OFFICE 100	9	9	10	20	RECEPTS. CLERK 104
RECEPTS. FUTURE OFFICE 101	11	11	12	20	RECEPTS. LOBBY LOBBY 100 & T.S.
RECEPTS. MAYOR 102	13	13	14	20	WIREMOLD SECRETARY DESK
RECEPTS. COUNCIL CHAMBERS 106	15	15	16	20	WIREMOLD COUNCIL CHAMBER DESK
RECEPT. FOR A/V SYSTEM	17	17	18	20	WIREMOLD COUNCIL CHAMBER DESK
RECEPT. AT CLG. FOR VIDEO PROJECTOR	19	19	20	20	RECEPTS. CORR. / DISPLAY 111
JUNCTION FOR PROJECTOR SCREEN	21	21	22	20	RECEPTS. & FLOOR OUTLET CORR. / DISPLAY 111
RECEPTS. TELEPHONE TERMINAL	23	23	24	20	RECEPTS. FOR FUTURE SIGNS FOR SPACE 112 & 113
RECEPTS. LAB RACK	25	25	26	20	RECEPTS. CORRS. & ENTRY
RECEPT. FOR RELIEF	27	27	28	20	RECEPTS. FLEET / UTILITY 112
RECEPTS. CIR. BREAKERS 115	29	29	30		RECEPT. FOR EWC
SPARE	31	31	32	20	POLE LIGHTS
SPARE	33	33	34	20	
SPARE	35	35	36	20	SIGN & FLAG POLE LIGHTS
SPARE	37	37	38		
SPACE	39	39	40		SPACE
	41	41	42		

DIAGRAM OF PANEL LP1-1
NO SCALE

ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE

Prescriptive X Performance Energy Cost Budget

Provide a standard riser diagram which indicates designated points for check metering. Provide a standard panel schedule indication all identified different energy costs.

Lighting Schedule.
lamp type required in fixtures: 32W, T-8 , 13W, 26W & 42W, PL , 250W M.H.
number of lamps in fixtures: 1, 2, 2 , 2, 2, 1 , 1
ballast type used in the fixtures: ELECTRONIC , ELECTRONIC , MAGNETIC
number of ballasts in fixtures: 1 , 1 , 1 , 1
total wattage per fixture: 29W & 53W
total interior wattage specified vs. allowed: LIVING: 1.05 W/SQFT VS. 1.1 W/SQFT.
OFFICE: 1.0 W/SQFT VS. 1.3 W/SQFT.
exterior lamp efficacy specified vs. allowed: 75 LUMENS/WATT VS. 40 LUMENS/WATT

Equipment schedules with motors (not used for the mechanical systems)

motor horsepower	>	
number of phases	>	
minimum efficiency	>	N/A
motor type	>	
# of poles	>	

DESIGNER STATEMENT:

To the best of my knowledge and belief, the design of this building complies with the electrical system and equipment requirements of the North Carolina State Building Code, Volume X-Energy.

SIGNED: William G. Robinson Jr.

NAME: William G. Robinson, Jr.

TITLE: Professional Engineer

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL — 11 April 07

WILLIAM G. ROBINSON, JR.
CONSULTING ENGINEER
3006 WEST MILL ROAD, SUITE C
WINSTON SALEM, NC 27103
(336) 766-9789

Architecture, P.C.
193 Blumenthal Cont. Dr. Suite 100 Winston-Salem, NC 27106
336-722-4472

REVISIONS

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NEW VILLAGE HALL
Tobaccoville, NC

JOB 06-46
DATE April 02, 2007
DRAWN
SHEET E-1

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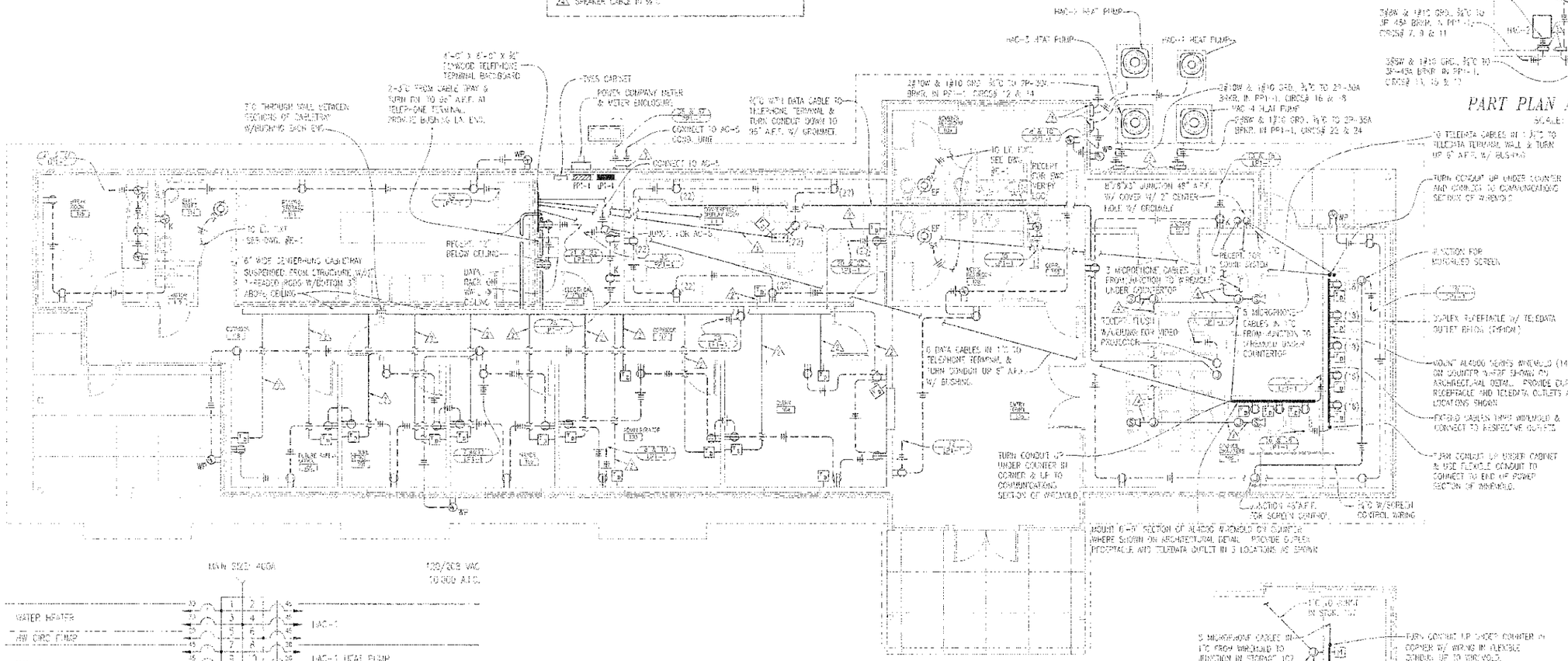
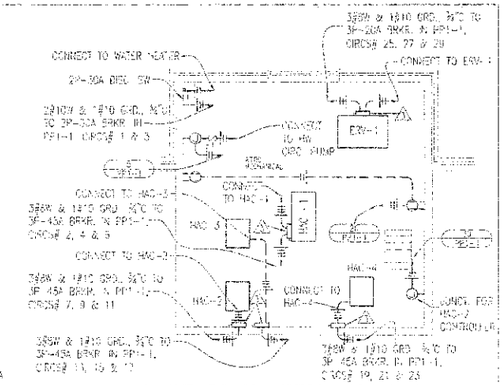
POWER & AUXILIARY NOTES.

1. 3/4"C UNDER FLOOR WHEN TWO CAT 5E CABLES FROM OUTLET & TURN UP 6" ABOVE FLOOR W/BUSHING & TERMINATE
2. 3/4"C UP IN WALL FROM OUTLET W/TWO CAT 5E CABLES & ABOVE CEILING TO CABLETRAY W/BUSHING ON CONDUIT & CABLETRAY CABLES THROUGH CABLETRAY AND CONDUIT TO RESPECTIVE TERMINAL
3. 24" DISC. SW. FURNISHED BY HVAC CONTRACTOR & INSTALLED BY ELECT. CONTR.
4. SPEAKER CABLE IN 3/4"C



POWER & AUXILIARY SYSTEMS FLOOR PLAN
SCALE: 3/16" = 1' - 0"



PART PLAN ATTIC MECH. SPACE
SCALE: 3/16" = 1' - 0"

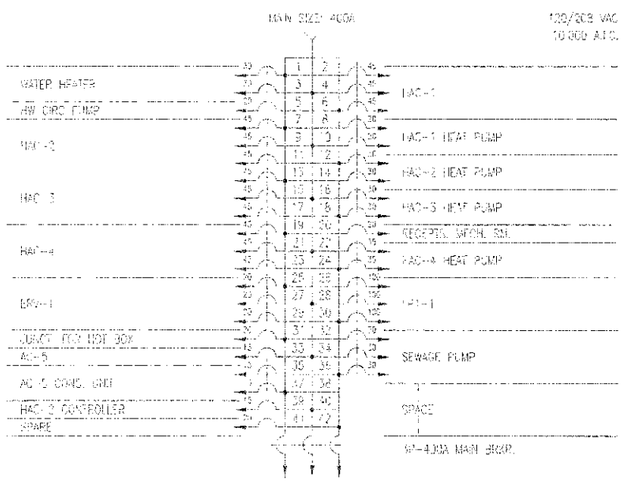
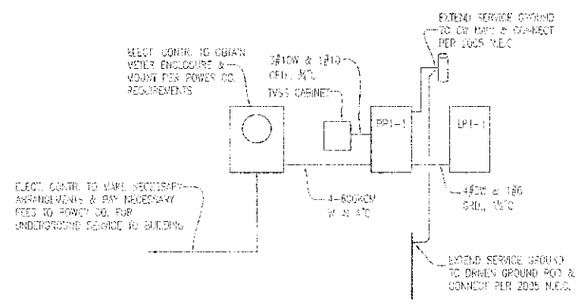
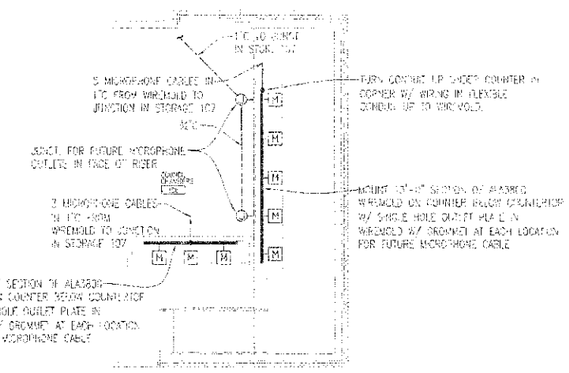


DIAGRAM OF PANEL PP1-1
NO SCALE



POWER RISER DIAGRAM
NO SCALE



PARTIAL FLOOR PLAN SHOWING
SOUND SYSTEM CABLING BELOW COUNTERTOP
SCALE: 3/16" = 1' - 0"

WILLIAM C. ROBINSON, JR.
CONSULTING ENGINEER
3512 WEST NEW ROAD, SUITE C
WINSTON-SALEM, NC 27103
(336) 765-8780

Architecture, P.C.
155 Roundhill Court, Suite 100 Winston-Salem, NC 27106
336-722-4447

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DATE Jan 09 2007
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SHEET E-2
OF 3