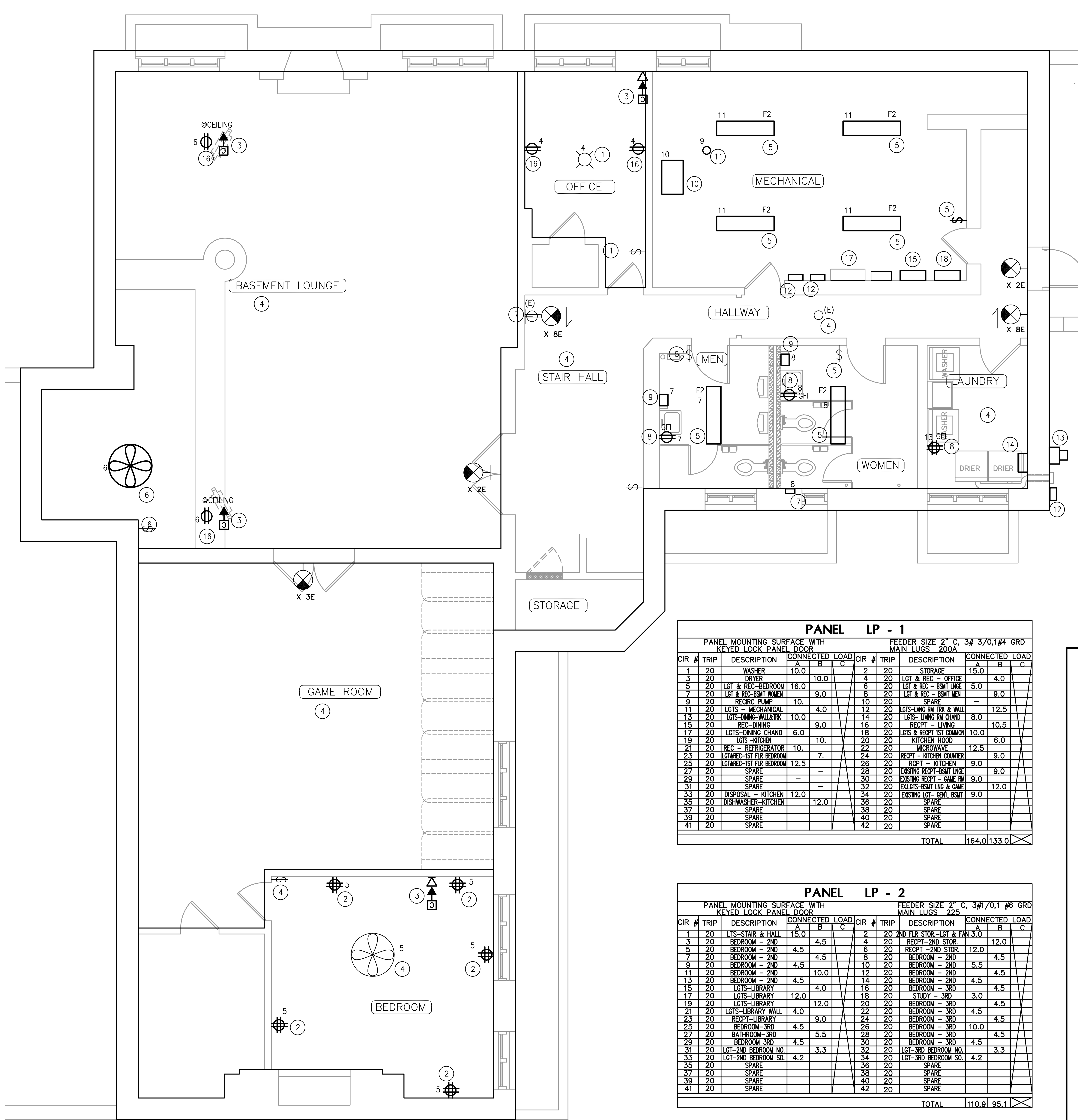


A BASEMENT PLAN – ELECTRICAL
SCALE: 1/4" = 1'-0"

ALL CIRCUITS IN BASEMENT CIRUITED TO PANEL "LP-1" UNLESS NOTED OTHERWISE

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	LAMPS NO.	LAMPS TYPE	MOUNTING	VOLTS	REMARKS
F1	HALO	H2552	2	60W A 19	SURFACE	120	CEILING MOUNTED
F2	METALUX	2VRMC232PA375120EB81	2	32W T8	SURFACE	120	SURFACE FLUORESCENT.
F3	FAIL SAFE	FRS232120EB21-TRC	2	32W T8	SURFACE	120	SURFACE FLUORESCENT AND TAMPER RESISTENT
F4	BY OWNER	BY OWNER	1	75W T8	SURFACE	120	WALL SCONCE.
F5	METALUX	2VRGC332PA375120EB81	3	32W T8	RECESSED	120	RECESSED FLUORESCENT
F7	BY OWNER	BY OWNER	1	75W	TRACK	120	WIRE LIGHTING SYSTEM
F8	HALO	H1T 113	1	75W A19	RECESSED	120	RECESSED SHOWER LIGHT
F9	FAIL-SAFE	FWSCR232120EB81VRSD	2	32W T8	SURFACE	120	SURFACE FLUORESCENT OVER MIRROR, VANDAL RESISTENT

NOTE: BY OWNER FIXTURE TO BE PURCHASED BY OWNER INSTALLED BY ELECTRICAL CONTRACTOR

PANEL LP - 1

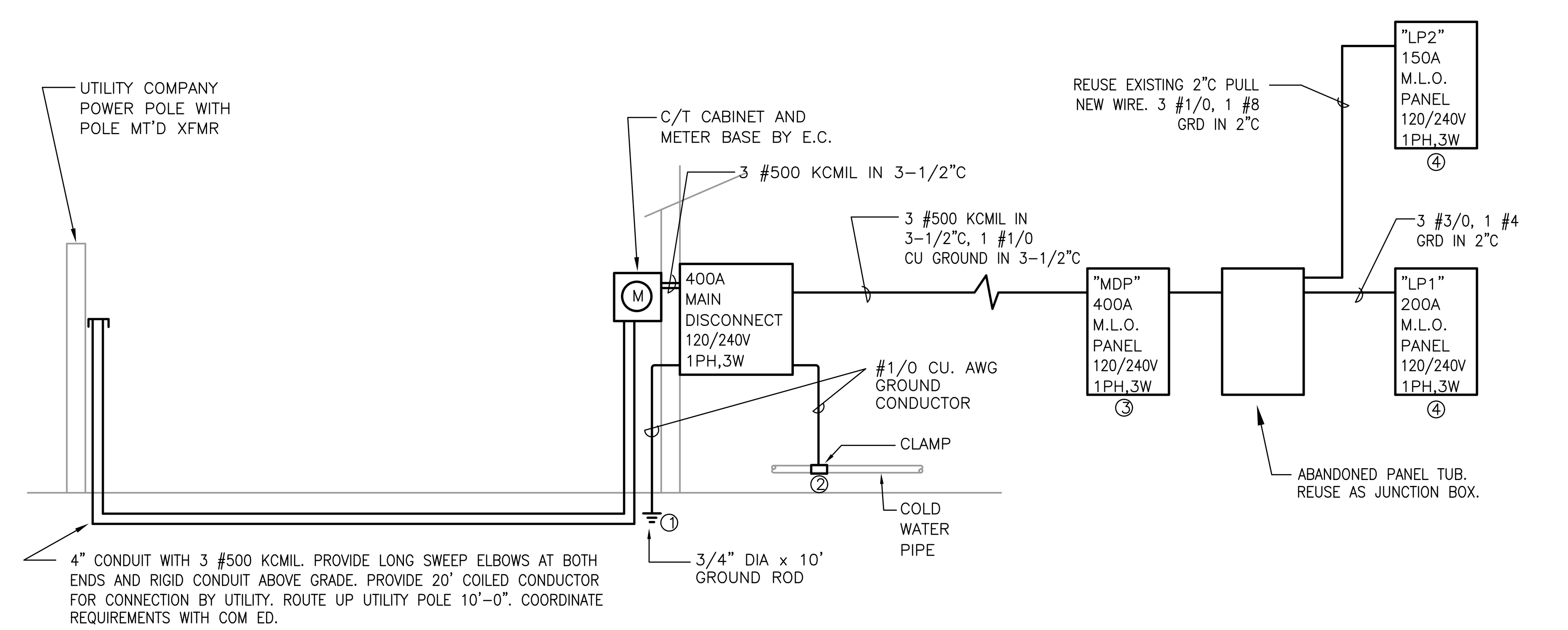
PANEL MOUNTING SURFACE WITH KEYED LOCK PANEL DOOR
FEEDER SIZE 2" C, 3# 3/0,1#4 GRD
MAIN LUGS 200A

CIR #	TRIP	DESCRIPTION	A	B	C	CIR #	TRIP	DESCRIPTION	A	B	C
1	20	WASHER	10.0			2	20	STORAGE	15.0		
3	20	DRYER		10.0		4	20	LGT & REC – OFFICE		4.0	
5	20	LGT & REC–BEDROOM	16.0			6	20	LGT & REC – BSMT LNGE	5.0		
7	20	LGT & REC–BSMT WOMEN		9.0		8	20	LGT & REC – BSMT MEN		9.0	
9	20	RECIRC PUMP	10.			10	20	SPARE	–		
11	20	LGTS – MECHANICAL		4.0		12	20	LGTS–LVNG RM TRK & WALL		12.5	
13	20	LGTS–DINING–WALL&TRK	10.0			14	20	LGTS– LIVING RM CHAND	8.0		
15	20	REC–DINING		9.0		16	20	RECPT – LIVING		10.5	
17	20	LGTS–DINING CHAND	6.0			18	20	LGTS & RECPT 1ST COMMON	10.0		
19	20	LGTS –KITCHEN		10.		20	20	KITCHEN HOOD		6.0	
21	20	REC – REFRIGERATOR	10.			22	20	MICROWAVE	12.5		
23	20	LGT&REC–1ST FLR BEDROOM		7.		24	20	RECPT – KITCHEN COUNTER		9.0	
25	20	LGT&REC–1ST FLR BEDROOM	12.5			26	20	RCPT – KITCHEN	9.0		
27	20	SPARE		–		28	20	EXISITNG RECPT–BSMT LNGE		9.0	
29	20	SPARE	–			30	20	EXISTING RECPT – GAME RM	9.0		
31	20	SPARE		–		32	20	EX.LGTS–BSMT LNG & GAME		12.0	
33	20	DISPOSAL – KITCHEN	12.0			34	20	EXISTING LGT– GEN'L BSMT	9.0		
35	20	DISHWASHER–KITCHEN		12.0		36	20	SPARE			
37	20	SPARE				38	20	SPARE			
39	20	SPARE				40	20	SPARE			
41	20	SPARE				42	20	SPARE			
								TOTAL	164.0	133.0	

PANEL LP - 2

PANEL MOUNTING SURFACE WITH KEYED LOCK PANEL DOOR
FEEDER SIZE 2" C, 3#1/0,1 #6 GRD
MAIN LUGS 225

CIR #	TRIP	DESCRIPTION	A	B	C	CIR #	TRIP	DESCRIPTION	A	B	C
1	20	LTS–STAIR & HALL	15.0			2	20	2ND FLR STOR.–LGT & FAN	3.0		
3	20	BEDROOM – 2ND		4.5		4	20	RECPT–2ND STOR.		12.0	
5	20	BEDROOM – 2ND	4.5			6	20	RECPT –2ND STOR.	12.0		
7	20	BEDROOM – 2ND		4.5		8	20	BEDROOM – 2ND		4.5	
9	20	BEDROOM – 2ND	4.5			10	20	BEDROOM – 2ND	5.5		
11	20	BEDROOM – 2ND		10.0		12	20	BEDROOM – 2ND		4.5	
13	20	BEDROOM – 2ND	4.5			14	20	BEDROOM – 2ND	4.5		
15	20	LGTS–LIBRARY		4.0		16	20	BEDROOM – 3RD		4.5	
17	20	LGTS–LIBRARY	12.0			18	20	STUDY – 3RD	3.0		
19	20	LGTS–LIBRARY		12.0		20	20	BEDROOM – 3RD		4.5	
21	20	LGTS–LIBRARY WALL	4.0			22	20	BEDROOM – 3RD	4.5		
23	20	RECPT–LIBRARY		9.0		24	20	BEDROOM – 3RD		4.5	
25	20	BEDROOM–3RD	4.5			26	20	BEDROOM – 3RD	10.0		
27	20	BATHROOM–3RD		5.5		28	20	BEDROOM – 3RD		4.5	
29	20	BEDROOM 3RD	4.5			30	20	BEDROOM – 3RD	4.5		
31	20	LGT–2ND BEDROOM NO.		3.3		32	20	LGT–3RD BEDROOM NO.		3.3	
33	20	LGT–2ND BEDROOM SO.	4.2			34	20	LGT–3RD BEDROOM SO.	4.2		
35	20	SPARE				36	20	SPARE			
37	20	SPARE				38	20	SPARE			
39	20	SPARE				40	20	SPARE			
41	20	SPARE				42	20	SPARE			
								TOTAL	110.9	95.1	



4" CONDUIT WITH 3 #500 KCMIL. PROVIDE LONG SWEEP ELBOWS AT BOTH ENDS AND RIGID CONDUIT ABOVE GRADE. PROVIDE 20' COILED CONDUCTOR FOR CONNECTION BY UTILITY. ROUTE UP UTILITY POLE 10'-0". COORDINATE REQUIREMENTS WITH COM ED.

① GROUND ROD
② CONNECTION TO COLD WATER PIPE ON SUPPLY SIDE OF METER.
③ PROVIDE A 400A, 120/240V, 1PH, 3 WIRE MAIN PANEL WITH 400A 2POLE MCB, 150A 2 POLE CB, 200A 2POLE CB, 30A 2POLE CB.
④ MAINTAIN EXISTING CIRCUIT CONTINUITY ON ALL CIRCUITS TO REMAIN BUT NOT IDENTIFIED ON PLAN. UTILIZE SPARE 200A CIRCUIT BREAKERS AS REQUIRED.

RISER DIAGRAM
NO SCALE

BASEMENT FLOOR KEYED NOTES ◯

1 REMOVE EXISTING FIXTURE AND REMOVE WIRE FROM EXISTING METAL CONDUIT BACK TO PANEL LP1. PULL NEW WIRE TO FIXTURE AND SWITCH FROM NEW DEDICATED CIRCUIT FOR EACH ROOM FROM PANEL LP1.

2 REMOVE EXISTING WIRE FROM EXISTING CONDUIT AND PULL NEW TO EACH ROOM FROM LP1 USING A DEDICATED 20 AMP CIRCUIT. REPLACE EXISTING DUPLEX RECEPTACLES WITH QUAD TYPE RECEPTACLES.

3 ROUTE METAL SURFACE RACEWAY DOWN FROM ABOVE FOR DATA, CABLE AND TELEPHONE. PROVIDE JACK FOR EACH SERVICE MOUNTED AT 24"AFF. UNLESS NOTED OTHERWISE.

4 EXISTING LIGHTS AND SWITCHING TO REMAIN.

5 REMOVE EXISTING FLUORESCENT LIGHTS AND PROVIDE NEW FLUORESCENT LIGHTS AT SAME LOCATION. MAINTAIN SWITCHING. REFEED LIGHTS FROM NEW CIRCUIT PULLED FROM PANEL LP2.

6 PROVIDE NEW CEILING FAN AND INSTALL AT EXISTING SWITCHED J-BOX.

7 REMOVE RECEPTACLE AND WIRE BACK TO PANEL LP1. PULL NEW WIRE TO EXISTING LOCATION AND PROVIDE NEW DUPLEX RECEPTACLE.

8 PROVIDE NEW GFI RECEPTACLES FED FROM PANEL LP1.

9 PROVIDE 240V AUTOMATIC HAND DRYER (WORLD, INC.) FED FROM PANEL LP1.

10 NEW WATER BOOSTER PUMP. PROVIDE POWER BACK TO "MDP".

11 NEW HOT WATER RECIRCULATION PUMP. PROVIDE POWER FROM LP1 AND CONTROL WITH STRAP-ON SENSOR AND TIME CLOCK.

12 PROVIDE NEW UNDERGROUND CABLE, TELEPHONE, AND DATA SERVICE FROM POLE IN ALLEY. ROUTE TO NEW PANLES IN MECHANICAL ROOM.

13 REMOVE EXISTING 200A, 1 PHASE, 120/240V OVERHEAD ELECTRIC SERVICE AND PROVIDE NEW 400 AMP, 1-PHASE, 120/240 VOLT, UNDERGROUND ELECTRIC SERVICE WITH ALL REQUIRED METER FITTINGS, CURRENT TRANSFORMER, ETC. COORDINATE WITH UTILITY FOR ALL REQUIREMENTS.

14 PROVIDE NEW 400 AMP, 1-PHASE DISCONNECT FOR MAIN SERVICE.

15 PROVIDE NEW 42 CIRCUIT, 200 AMP, 120/240 VOLT, PANEL LP1. BACKFEED EXISTING PANELS REWORKED OR TO REMAIN.

16 PROVIDE NEW DUPLEX RECEPTACLE FED FROM PANEL LP1.

17 MAINTAIN EXISTING TIMECLOCKS AND EXTERIOR LIGHT CIRCUITS. REFEED FROM PANEL LP1.

18 NEW MAIN DISTRIBUTION PANEL. SEE RISER DIAGRAM.

ELECTRICAL NOTES:

1. THIS CONTRACTOR SHALL SECURE AND PAY FOR ALL FEES, PERMITS, AND INSPECTIONS REQUIRED FOR HIS PORTION OF THE WORK.

2. ALL ELECTRICAL WORK SHALL CONFORM TO THE CITY OF CHICAGO ELECTRIC CODE. ALL PRODUCTS SHALL BE U.L. LISTED OR LABELED.

3. ALL RACEWAYS AND FITTINGS SHALL COMPLY WITH ANSI AND NEMA. CONDUITS CONCEALED IN DRY INTERIOR LOCATIONS SHALL BE ELECTRICAL METALLIC TUBING (EMT). MINIMUM SIZE CONDUIT SHALL BE 3/4" UNLESS NOTED. USE STEEL COMPRESSION TYPE CONNECTORS ON EMT.

4. BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER. 600 VOLT INSULATION. TYPE THHN/THWN, 8 AWG AND LARGER STRANDED CONDUCTOR, SMALLER THAN 8 AWG, SOLID CONDUCTOR. ALL CONDUCTORS SHALL BE #12 AWG, UNLESS NOTED.

5. JUNCTION BOXES INSTALLED INDOORS SHALL BE OF GALVANIZED STEEL.

6. LUMINAIRES SHALL BE COMPLETE WITH LAMPS, ACCESSORIES, MOUNTING FRAMES, ETC..

7. CIRCUIT BREAKERS SHALL BE OF THE SAME MANUFACTURER AS THE PANELBOARD. THEY SHALL BE QUICK-MAKE, QUICK-BREAK, BOLT-ON, THERMAL MAGNETIC TRIP ELEMENT TYPE BREAKER. RATINGS AS INDICATED ON PLANS. AIC RATINGS HALL BE 10,000 AT 240 VOLT.

8. THIS CONTRACTOR SHALL COMPLETE ALL ELECTRIC WORK AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY THE ALTERATIONS.

9. PROVIDE GROUND FAULT INTERRUPTED CIRCUIT BREAKERS WHERE REQUIRED BY CODE.

10. PROVIDE ARC FAULT TYPE RECEPTACLES IN ALL BEDROOMS.

11. ELECTRICAL CONTRACTOR SHALL COODINATE ALL ASPECTS OF WORK WITH OTHER TRADES PRIOR TO CONSTRUCTION/INSTALLATION.

12. EQUIPMENT, MATERIALS AND WORKMANSHIP TO BE WARRANTED FOR ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE.

13. SEE OTHER SHEETS IN THIS SET FOR ADDITIONAL NOTES AND INFORMATION.

ISSUES AND REVISIONS
2004 02 05 BID
02 FEB 04 PERMIT
3 DEC 03 PRELIM. REVIEW

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BASEMENT FLOOR PLAN
ELECTRICAL

ALPHA DELTA PHI FRATERNITY
5747 SOUTH UNIVERSITY AVENUE
CHICAGO, ILLINOIS 60647

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY PROFESSIONAL KNOWLEDGE THEY CONFORM TO THE CHICAGO BUILDING CODE

FRANK E. HEITZMAN
ARCHITECT
ILLINOIS REGISTRATION
NUMBER: 01-8255

E101