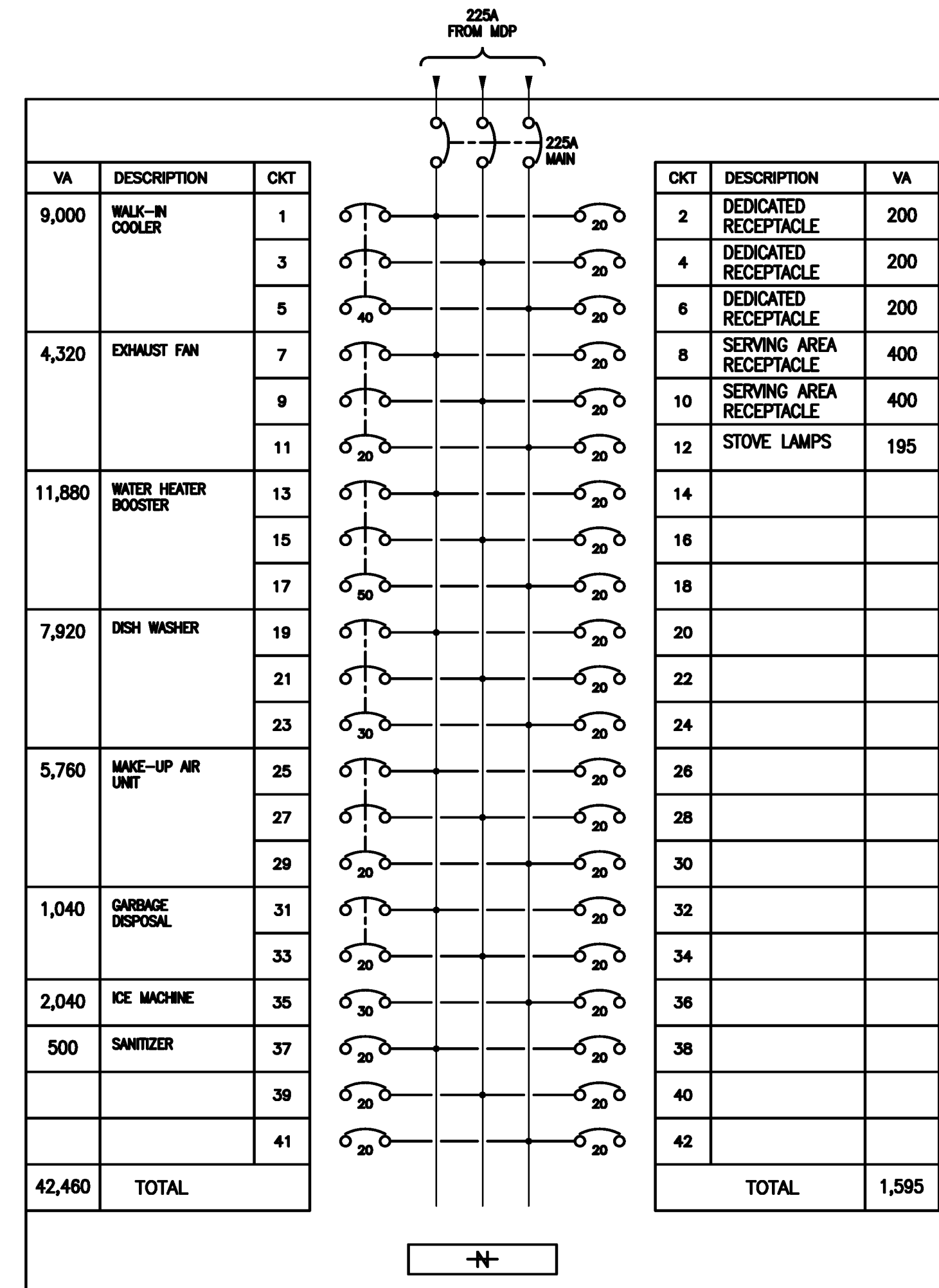


ONE-LINE DIAGRAM



KP
225A, 3φ4W, 120/208V
CONNECTED LOAD = 44 KVA (122 AMPS)

FIXTURE SCHEDULE

FIXTURE	DESCRIPTION	VOLTAGE	DESCRIPTION	LOAD	REMARKS
A	2' x 4' SURFACE MOUNT WRAPAROUND FLUORESCENT	120V	(4) F032/735	200VA	
B	CORRIDOR SURFACE MOUNT LIGHT	120V	(2) F032/735	100VA	
C	STUDY LIGHT	120V		100VA	
CF	CEILING FAN	120V		300VA	
E	VAPOR-TIGHT FLUORESCENT	120V	(2) F032/735	100VA	
F	CLOSET LIGHT	120V		100VA	
G	2' x 4' LAY-IN FLUORESCENT LIGHT	120V	(3) F032/735	120VA	
H	1' x 4' SURFACE MOUNT WRAPAROUND FLUORESCENT	120V	(2) F032/735	100VA	
J	EXTERIOR COMPACT FLUORESCENT FLOODLIGHT	120V		100VA	
L	EXTERIOR WALL SCONCE	120V		100VA	
L1	FRONT PORCH LIGHT	120V		100VA	FURNISHED BY OWNER
L2	FRONT PORCH WALL LIGHT	120V		100VA	FURNISHED BY OWNER
M	EXTERIOR EGRESS LIGHT	120V		50VA	
N	PULL CHAIN	120V		100VA	
O	CHANDELIER	120V		300VA	FURNISHED BY OWNER
T	RECESSED CAN LIGHT	120V	50PAR30/SPL/FL	50VA	
U	CEILING FAN	120V		300VA	
V	20 FT. POLE W/ FLOOD LIGHTS	120V			
W	VANITY LIGHT	120V	(2) F032/735	100VA	
X	EXIT LIGHT	120V		50VA	
Y	EMERGENCY LIGHT	120V		50VA	

LEGEND

- ⊕ DUPLEX RECEPTACLE (20A)
- ⊕ QUAD RECEPTACLE (20A)
- ⊕ WP WEATHERPROOF RECEPTACLE
- ⊕ GFI GROUND FAULT INTERRUPTER RECEPTACLE
- ▽ TELEVISION OUTLET
- \$ SINGLE POL TOGGLE SWITCH (20A)
- \$³ 3-WAY TOGGLE SWITCH (20A)
- \$⁴ 4-WAY TOGGLE SWITCH (20A)
- \$^D DIMMER SWITCH
- ⊠ OCCUPANCY SENSOR
- ⊕ 208V RECAPTACLE (20A UNLESS NOTED OTHERWISE)
- ⊕ HD HAND DRYER

NOTES:

1. ALL WIRING TO BE #12 Cu UNLESS NOTED OTHERWISE.

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ELECTRICAL
E-17184

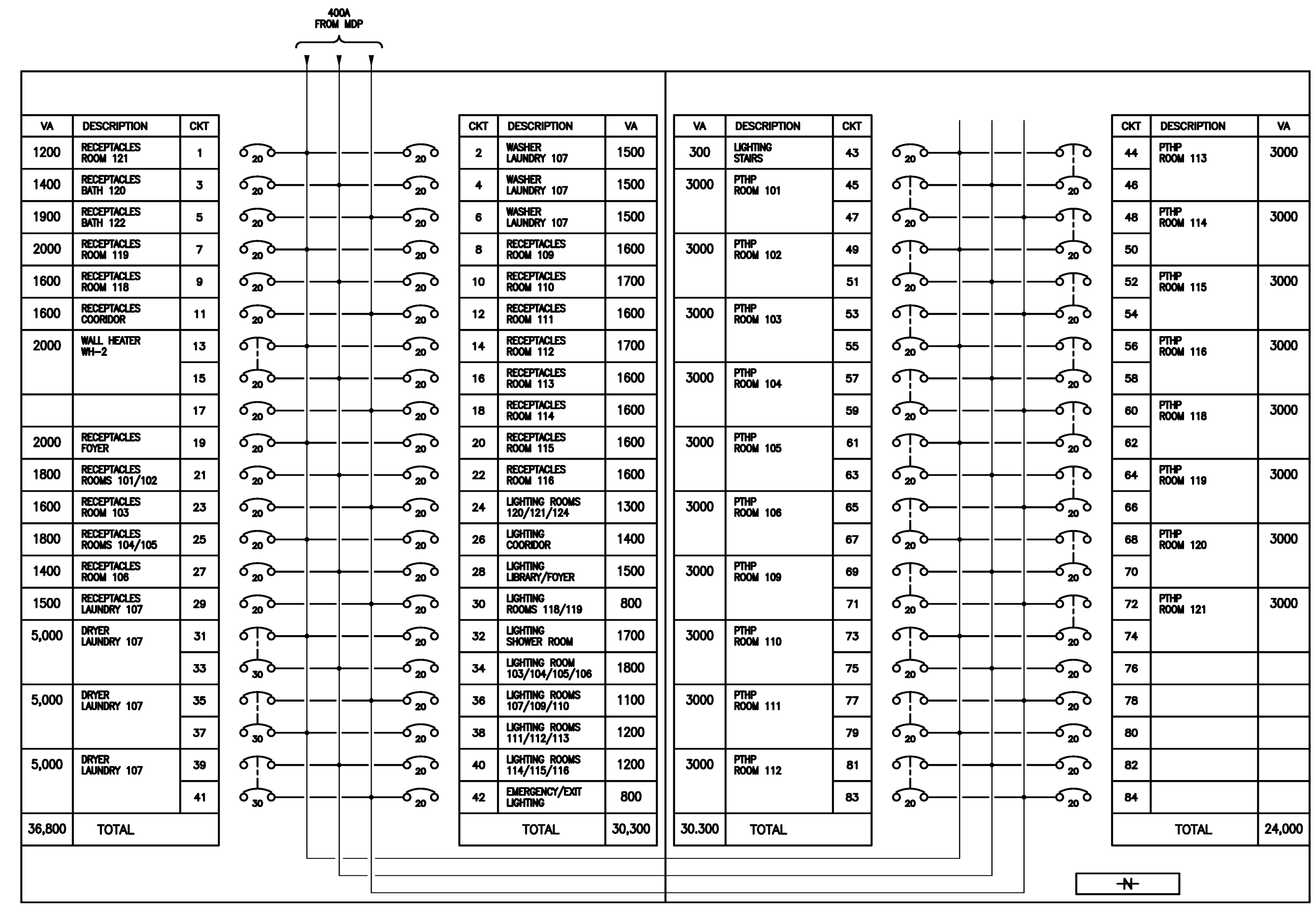
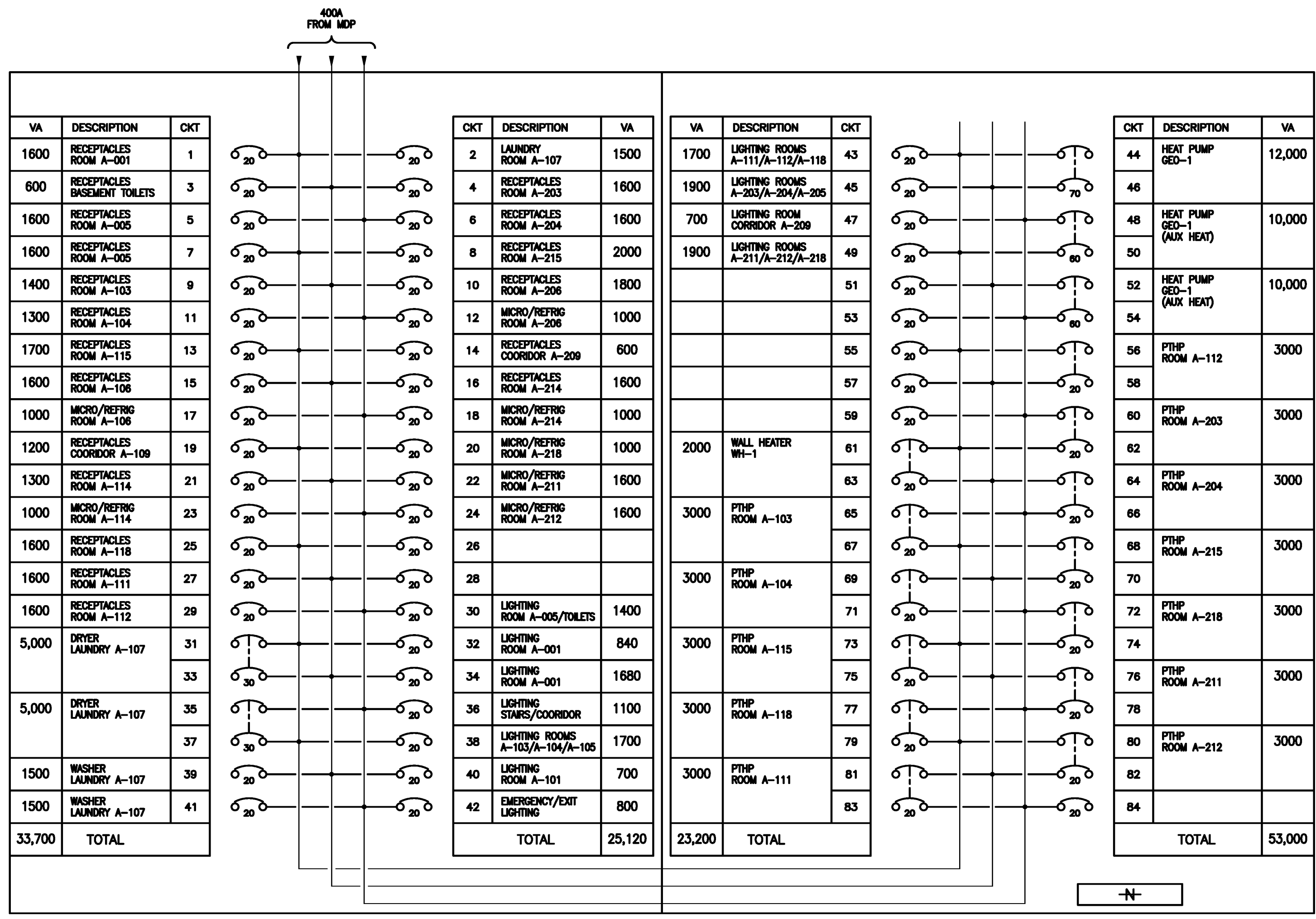
KAPPA SIGMA HOUSE
1701 WHITE COLUMNS DRIVE
ROLLA, MO 65401

C.E. FINCH, P.C.
CONSULTING ENGINEERS
7321 South Lindbergh Blvd., Suite 210
St. Louis, MO 63123 (314) 845-2877

REVISIONS	BY
1 REVISED 1-LINE ADDED "KP" SCHEDULE	C.E.F.

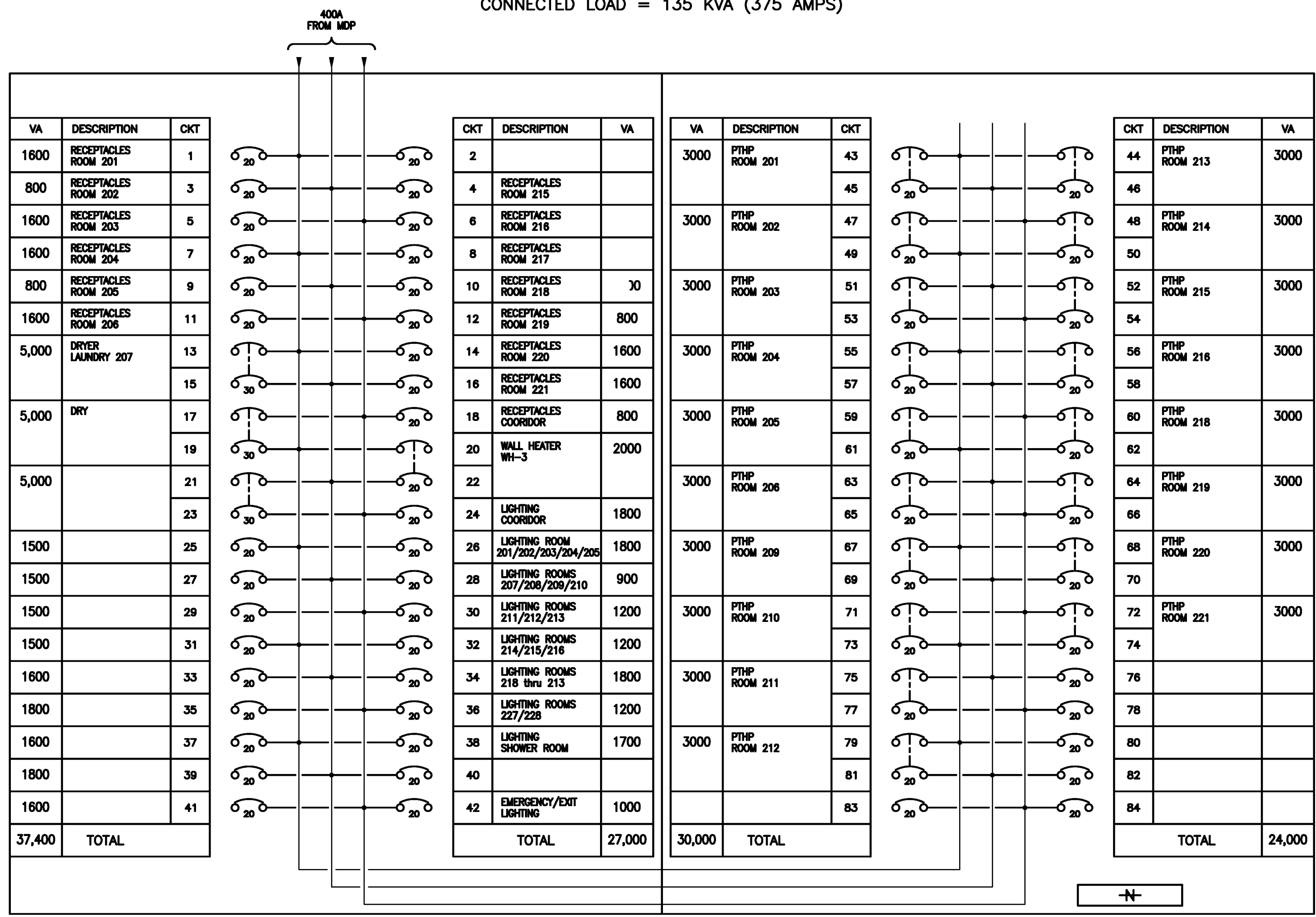
DRAWN: J. NAGEL
SCALE: NONE
JOB #:
DATE: 5/11/10
ONE-LINE DIAGRAM,
LEGEND AND
FIXTURE SCHEDULE
PANEL SCHEDULE
"KP"

SHEET:

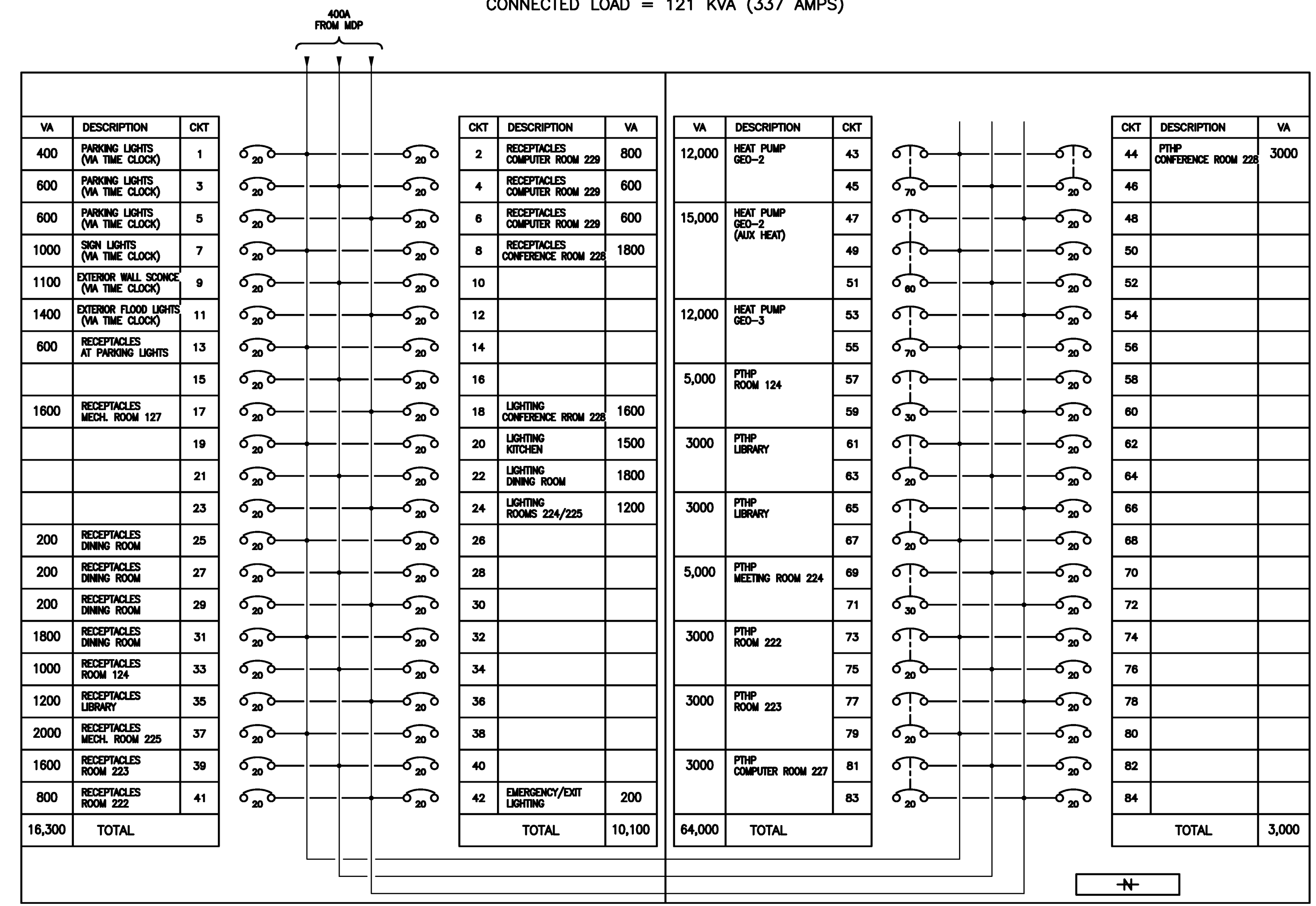


LP1
400A, 3Ø4W, 120/208V
CONNECTED LOAD = 135 KVA (375 AMPS)

LP2
400A, 3Ø4W, 120/208V
CONNECTED LOAD = 121 KVA (337 AMPS)



LP3
400A, 3Ø4W, 120/208V
CONNECTED LOAD = 119 KVA (329 AMPS)



LP4
400A, 3Ø4W, 120/208V
CONNECTED LOAD = 94 KVA (261 AMPS)

CHAUNCEY E. FINCH
ELECTRICAL
E-17184

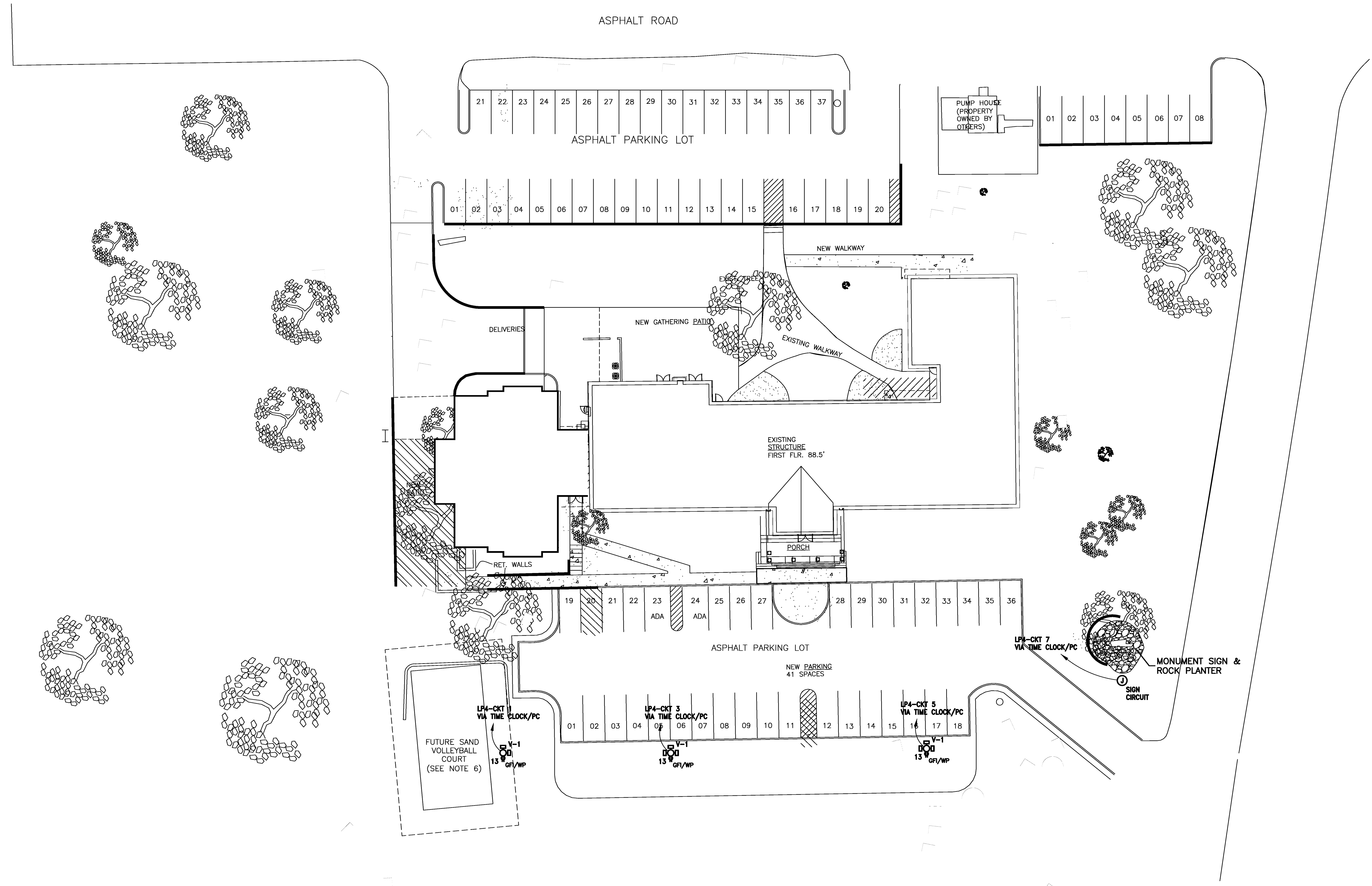
KAPPA SIGMA HOUSE
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ROLLA, MO 65401

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7321 South Lindbergh Blvd., Suite 210
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REVISIONS	BY
1 REVISED "LP4"	C.E.F.

DRAWN: J. NAGEL
SCALE: NONE
JOB #:
DATE: 5/11/10
PANEL SCHEDULES
LP1, LP2, LP3
& LP4

SHEET:
E-2



1" = 20'
SCALE CHECK

THE ABOVE BAR SHOULD MEASURE 1" IN LENGTH. IF BAR DOES NOT MEASURE 1" IN LENGTH DRAWING IS NOT PLOTTED TO SCALE.

CHANCEY E. FINCH
ELECTRICAL
E-17184

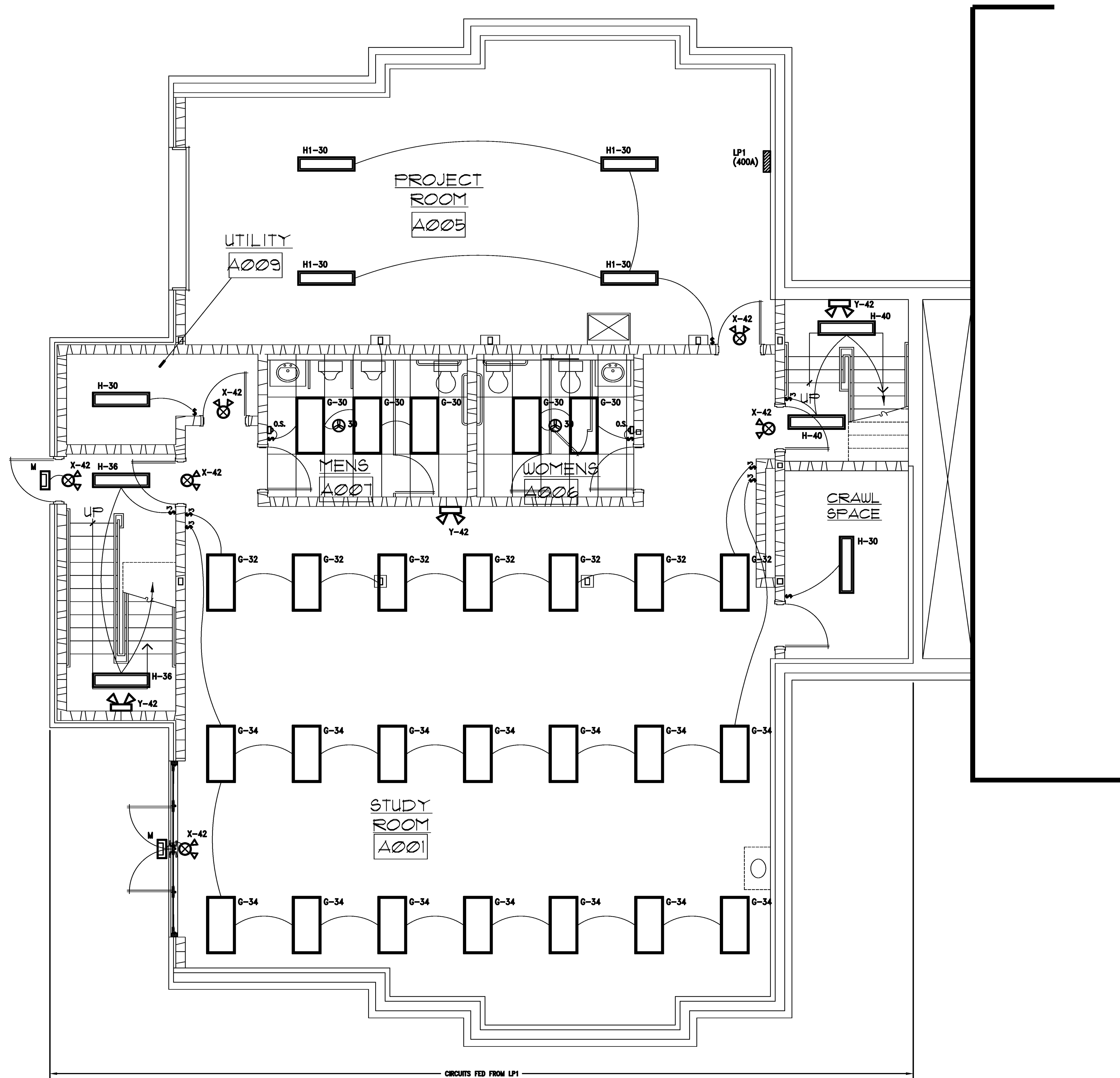
KAPPA SIGMA HOUSE
1701 WHITE COLUMNS DRIVE
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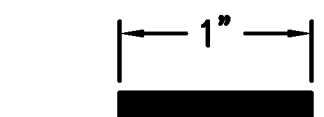
REVISIONS	BY

DRAWN: J. NAGEL
SCALE: 1"=20'
JOB #:
DATE: 5/11/10
SITE PLAN

SHEET:
E-3



BASEMENT PLAN - LIGHTING



SCALE CHECK

THE ABOVE BAR SHOULD MEASURE 1" IN LENGTH. IF BAR DOES NOT MEASURE 1" IN LENGTH DRAWING IS NOT PLOTTED TO SCALE.

CHAUNCEY E. FINCH
ELECTRICAL
E-17184

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REVISIONS	BY

DRAWN: J. NAGEL
SCALE: 1/4"=1'-0"
JOB #:
DATE: 5/11/10
BASEMENT LEVEL LIGHTING

SHEET:
E-5

CHAUNCEY E. FINCH
ELECTRICAL
E-17184

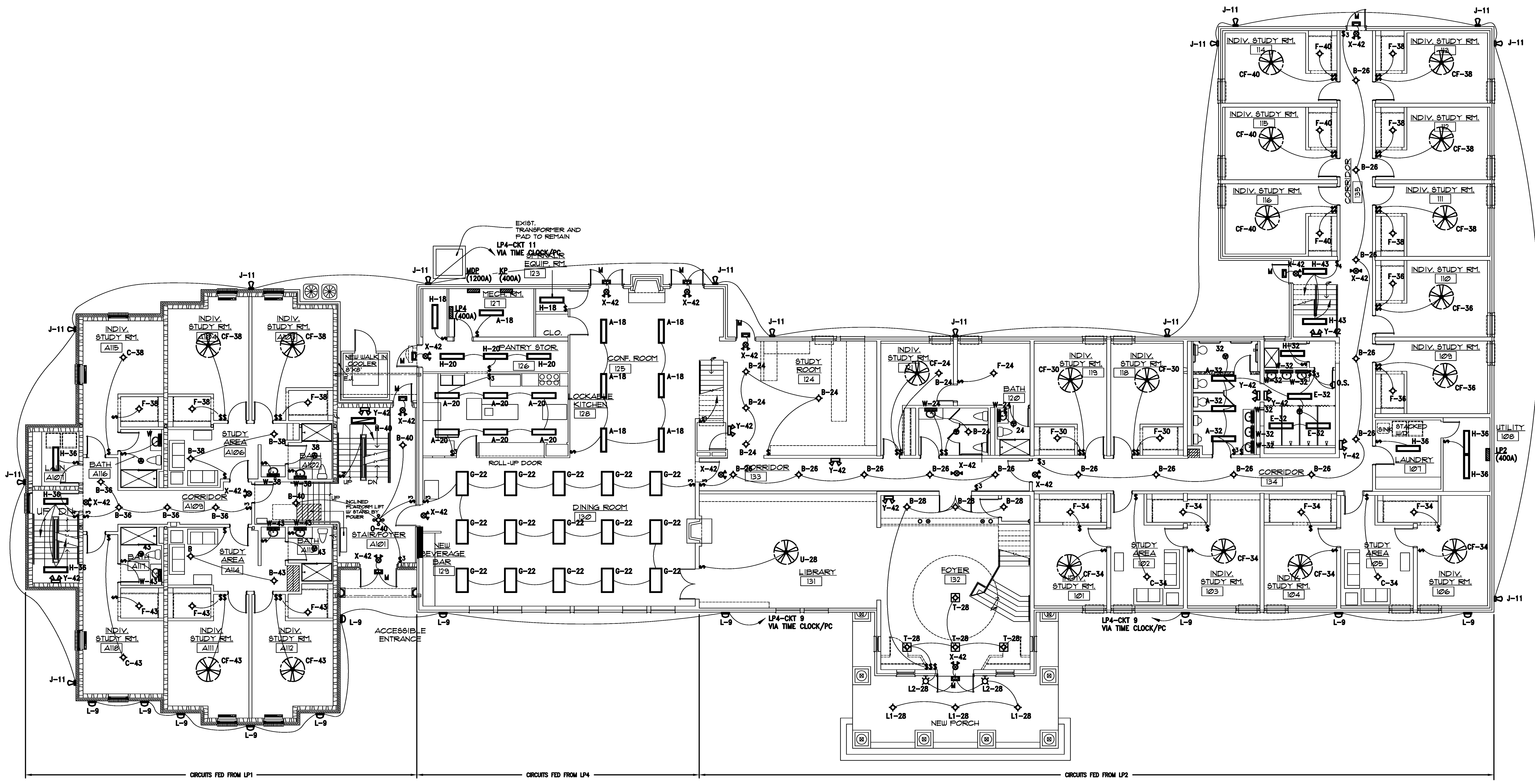
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7321 South Lindbergh Blvd., Suite 210
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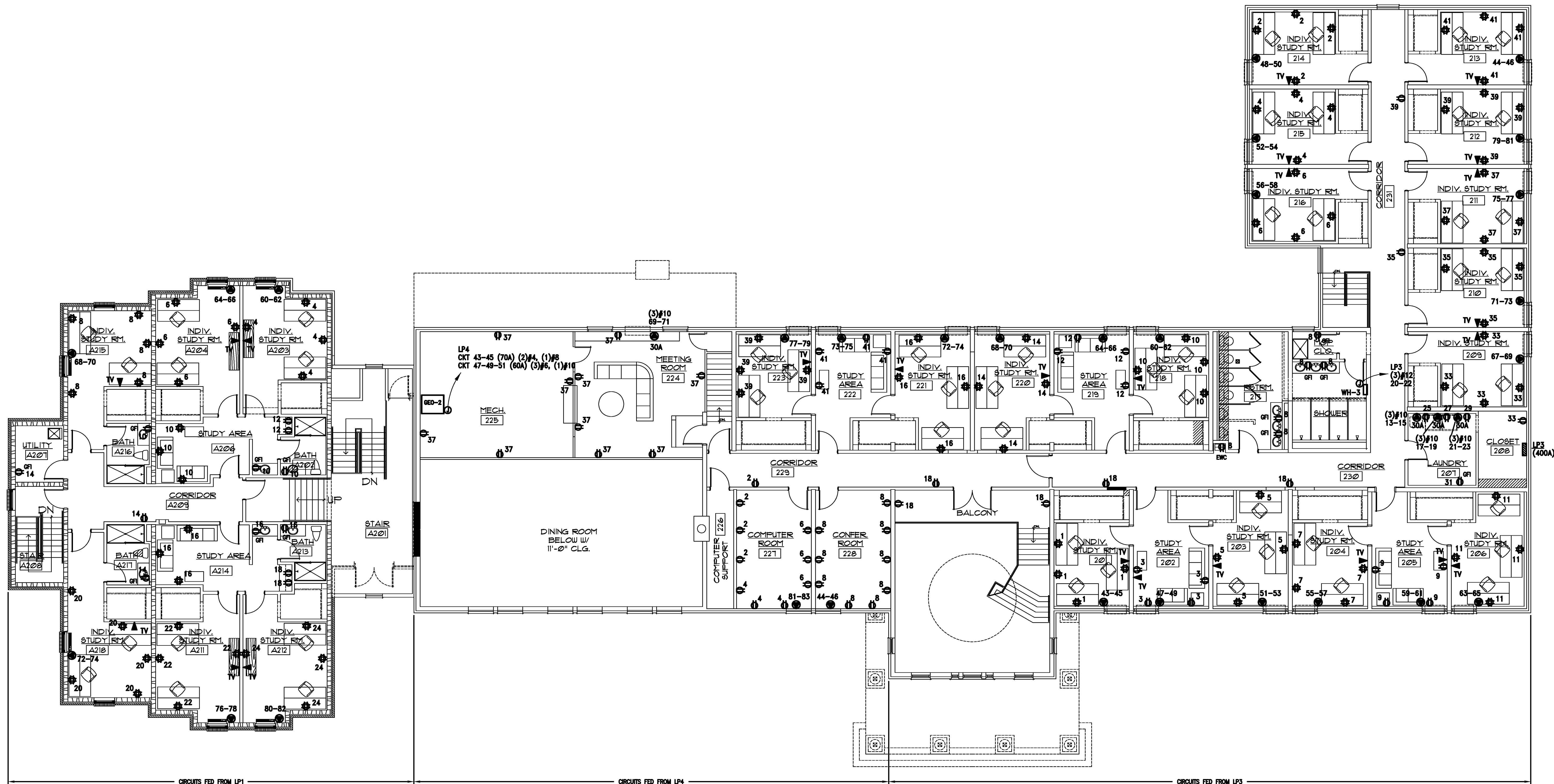
REVISIONS	BY

DRAWN: J. NAGEL
SCALE: 1/8"=1'-0"
JOB #:
DATE: 5/11/10
FIRST FLOOR
LIGHTING

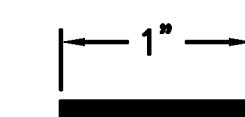
SHEET:
E-7



1"
SCALE CHECK
THE ABOVE BAR SHOULD MEASURE 1" IN LENGTH. BAR DOES NOT MEASURE 1" IN LENGTH DRAWING IS NOT PLOTTED TO SCALE.



SECOND FLOOR - POWER



SCALE CHECK

THE ABOVE BAR SHOULD MEASURE 1" IN LENGTH. IF BAR DOES NOT MEASURE 1" IN LENGTH DRAWING IS NOT PLOTTED TO SCALE.

CHANCEY E. FINCH
ELECTRICAL
E-17184

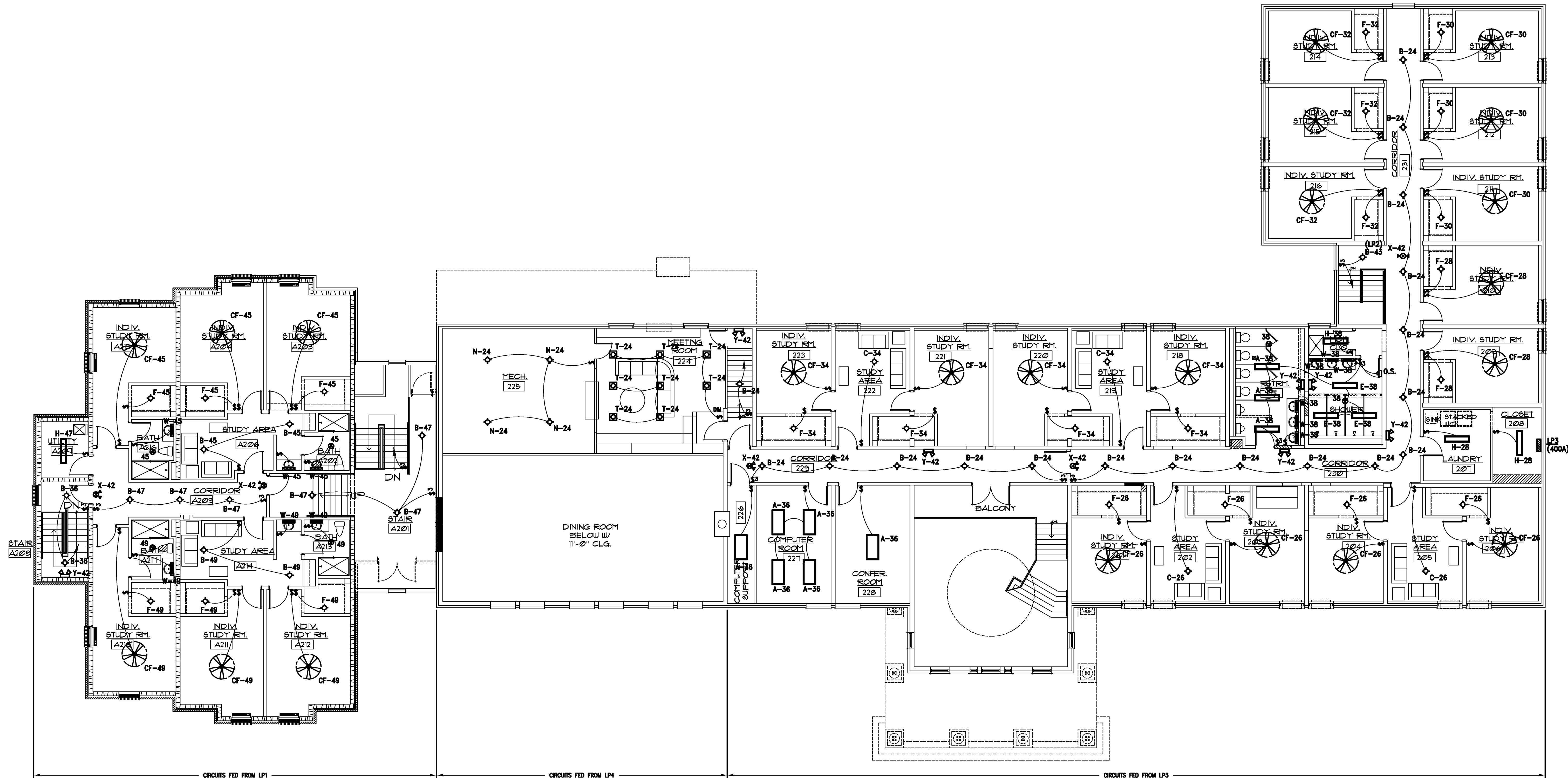
KAPPA SIGMA HOUSE
1701 WHITE COLUMNS DRIVE
ROLLA, MO 65401

C.E. FINCH, P.C.
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7321 South Lindbergh Blvd., Suite 210
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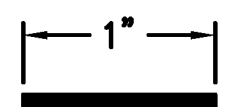
REVISIONS	BY

DRAWN: J. NAGEL
SCALE: 1/8"=1'-0"
JOB #:
DATE: 5/11/10
SECOND FLOOR
POWER

SHEET:
E-8



SECOND FLOOR - LIGHTING



SCALE CHECK

THE ABOVE BAR SHOULD MEASURE 1" IN LENGTH. IF BAR DOES NOT MEASURE 1" IN LENGTH DRAWING IS NOT PLOTTED TO SCALE.

CHAUNCEY E. FINCH
ELECTRICAL
E-17184

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REVISIONS	BY

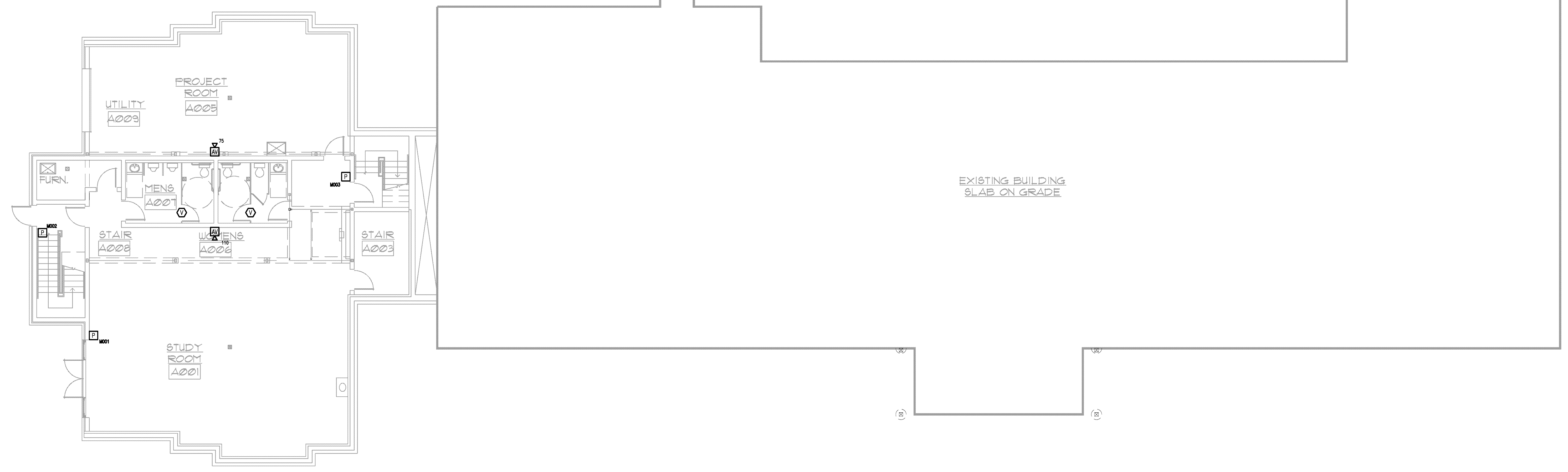
DRAWN: J. NAGEL
SCALE: 1/8"=1'-0"
JOB #:
DATE: 5/11/10
SECOND FLOOR
LIGHTING

SHEET:

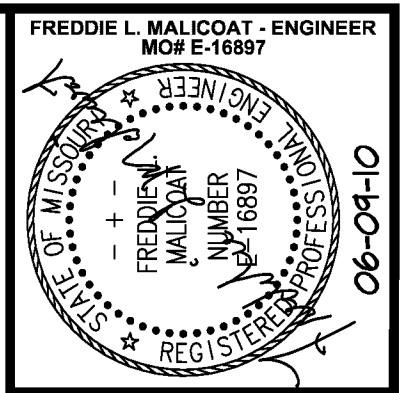
E-9

LEGEND

FACP	FIRE ALARM CONTROL PANEL
ANN	FIRE ALARM REMOTE ANNUNCIATOR PANEL
RPS	FIRE ALARM REMOTE NAC POWER SUPPLY
P	ADDRESSABLE MANUAL PULL STATION
MM	ADDRESSABLE MONITOR MODULE
CM	ADDRESSABLE CONTROL RELAY MODULE
HD	ADDRESSABLE HEAT DETECTOR
SD	ADDRESSABLE SMOKE DETECTOR
SS	ADDRESSABLE SMOKE DETECTOR WITH SOUNDER BASE
FS	SPRINKLER FLOW SWITCH (FBO)
TS	SPRINKLER VALVE TAMPER SWITCH (FBO)
H	HORN (ONLY), CEILING MOUNTED
S	STROBE (ONLY), CEILING MOUNTED
HS	COMBINATION HORN/STROBE, CEILING MOUNTED
HSW	COMBINATION HORN/STROBE, WALL MOUNTED
WP	WEATHERPROOF DEVICE



1 FIRE ALARM PLAN
 FA1 SCALE: 1/8"=1' 0" BASEMENT



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 5849 N. CLEARVIEW ROAD
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 TEL: 314-568-2814
 FAX: 314-918-0006

Dates ELECTRIC
 3869 WEST OUTER ROAD
 ARNOLD, MO 63010
 TEL (636) 464-3939

BETA CHI / KAPPA SIGMA
 1701 WHITE COLUMNS RD.
 ROLLA, MO 65401

CONTRACTOR SHALL CHECK & VERIFY ALL DIMENSIONS & CONDITIONS AT JOB SITE.

DATE : 06-09-10

REVISIONS :

TITLE :
FIRE ALARM PLAN

SHEET :
FA1
 OF
FA3
 PROJECT : 10100