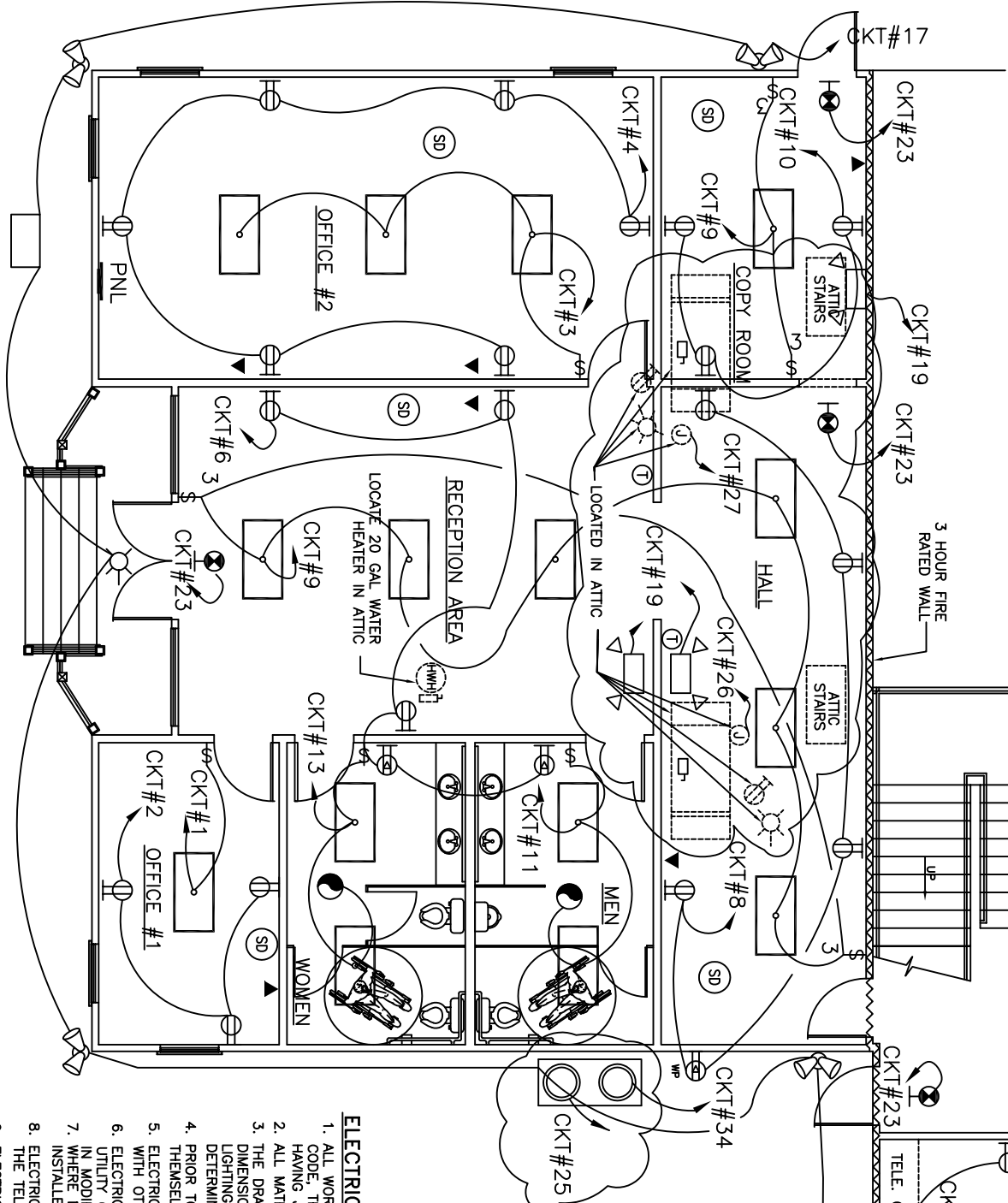
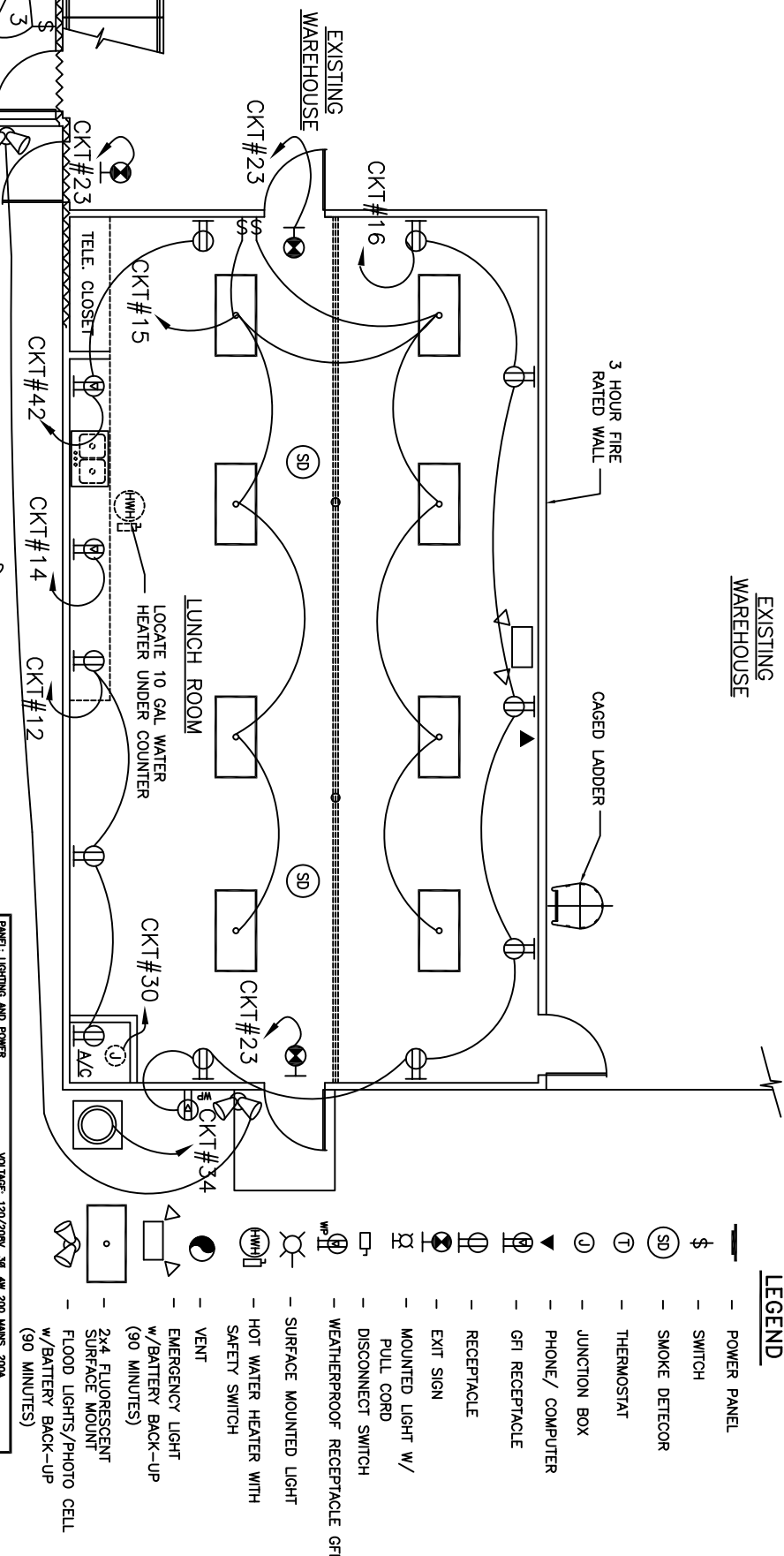


ELECTRICAL LAYOUT (BATHROOMS)

SCALE: 1/4"=1'-0"



ELECTRICAL PLAN

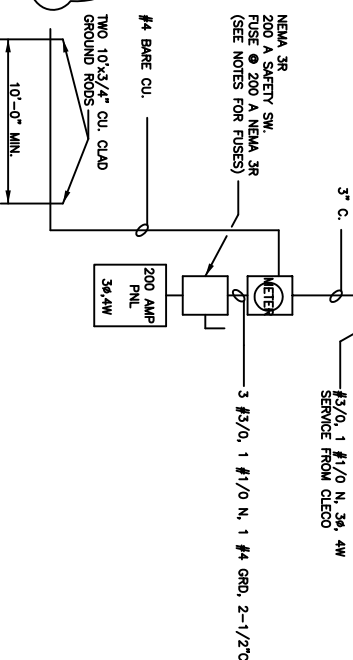
SCALE: 1/4"=1'-0"

ELECTRICAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD, UNLESS NOTED OTHERWISE.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
9. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
10. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.

ELECTRICAL RISER DIAGRAM

N.T.S.



LEGEND

- | | |
|--|--|
| | POWER PANEL |
| | SWITCH |
| | SMOKE DETECTOR |
| | THERMOSTAT |
| | JUNCTION BOX |
| | PHONE/ COMPUTER |
| | GFI RECEPTACLE |
| | RECEPTACLE |
| | EXIT SIGN |
| | MOUNTED LIGHT w/
PULL CORD |
| | DISCONNECT SWITCH |
| | WEATHERPROOF RECEPTACLE GFI |
| | SURFACE MOUNTED LIGHT |
| | HOT WATER HEATER WITH
SAFETY SWITCH |
| | VENT |
| | EMERGENCY LIGHT
w/BATTERY BACK-UP
(90 MINUTES) |
| | 2x4 FLUORESCENT
SURFACE MOUNT
FLOOD LIGHTS/PHOTO CELL
w/BATTERY BACK-UP
(90 MINUTES) |

BKT.	LNO				LNO				LNO				BKT.
	LOCATION	AMP	POLE	NO.	LOCATION	AMP	POLE	NO.	LOCATION	AMP	POLE	NO.	
1	OFFICE #1	20	1	-	OFFICE #1	20	1	20	OFFICE #1	20	1	20	2
3	LOBBY	20	1	-	LOBBY	20	1	20	OFFICE #2	20	1	20	4
5	RECEPTION AREA	20	1	-	RECEPTION AREA	20	1	20	OFFICE #3	20	1	20	6
7	RECEPTION/WALK	20	1	-	RECEPTION AREA	20	1	20	RECEPTION AREA	20	1	20	8
9	SECURITY LIGHT	20	1	-	SECURITY LIGHT	20	1	20	SECURITY LIGHT	20	1	20	10
8	DOOR ROOM	20	1	-	DOOR ROOM	20	1	20	DOOR ROOM	20	1	20	12
11	LOBBY	20	1	-	LOBBY	20	1	20	LOBBY	20	1	20	14
13	WALKWAY ROOM	20	1	-	WALKWAY ROOM	20	1	20	WALKWAY ROOM	20	1	20	16
15	LUNCH ROOM	20	1	-	LUNCH ROOM	20	1	20	LUNCH ROOM	20	1	20	18
17	DOORWAY LIGHTS	20	1	-	DOORWAY LIGHTS	20	1	20	DOORWAY LIGHTS	20	1	20	20
19	EMERGENCY LIGHTS	20	1	-	EMERGENCY LIGHTS	20	1	20	EMERGENCY LIGHTS	20	1	20	22
21	SHAKE DETECTORS	20	1	-	SHAKE DETECTORS	20	1	20	SHAKE DETECTORS	20	1	20	24
23	EXIT LIGHTS	20	1	-	EXIT LIGHTS	20	1	20	EXIT LIGHTS	20	1	20	26
25	OFFICE RM A/C UNIT #1	40	2	-	OFFICE RM A/C UNIT #1	40	2	40	OFFICE RM A/C UNIT #1	40	2	40	28
27	SPACE	20	1	-	SPACE	20	1	20	SPACE	20	1	20	30
29	SPACE	20	1	-	SPACE	20	1	20	SPACE	20	1	20	32
31	SPACE	20	1	-	SPACE	20	1	20	SPACE	20	1	20	34
33	SPACE	20	1	-	SPACE	20	1	20	SPACE	20	1	20	36
35	SPACE	20	1	-	SPACE	20	1	20	SPACE	20	1	20	38
37	SPACE	20	1	-	SPACE	20	1	20	SPACE	20	1	20	40
39	SPACE	20	1	-	SPACE	20	1	20	SPACE	20	1	20	42
41	SPACE	20	1	-	SPACE	20	1	20	SPACE	20	1	20	44

3000 WATTING (VA)

RECEIVING WATT (W)

3000 WATTING (VA)

RECEIVING WATT (W)

11. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
12. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION, MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE TYPE NMC CABLE COOPER, FOR LIGHTS & RECEPTACLE CIRCUITS.
13. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES.
14. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
15. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WEATHERPROOF.
16. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-71, & 250-72.
17. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
18. FUSES SHALL BE ITC CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
19. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION & ALARM COMPANY TO DESIGN & INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL.
20. EXTERIOR LIGHTING SHALL BE SHAPED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
21. ALL ELECTRICAL, MECHANICAL, & PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)