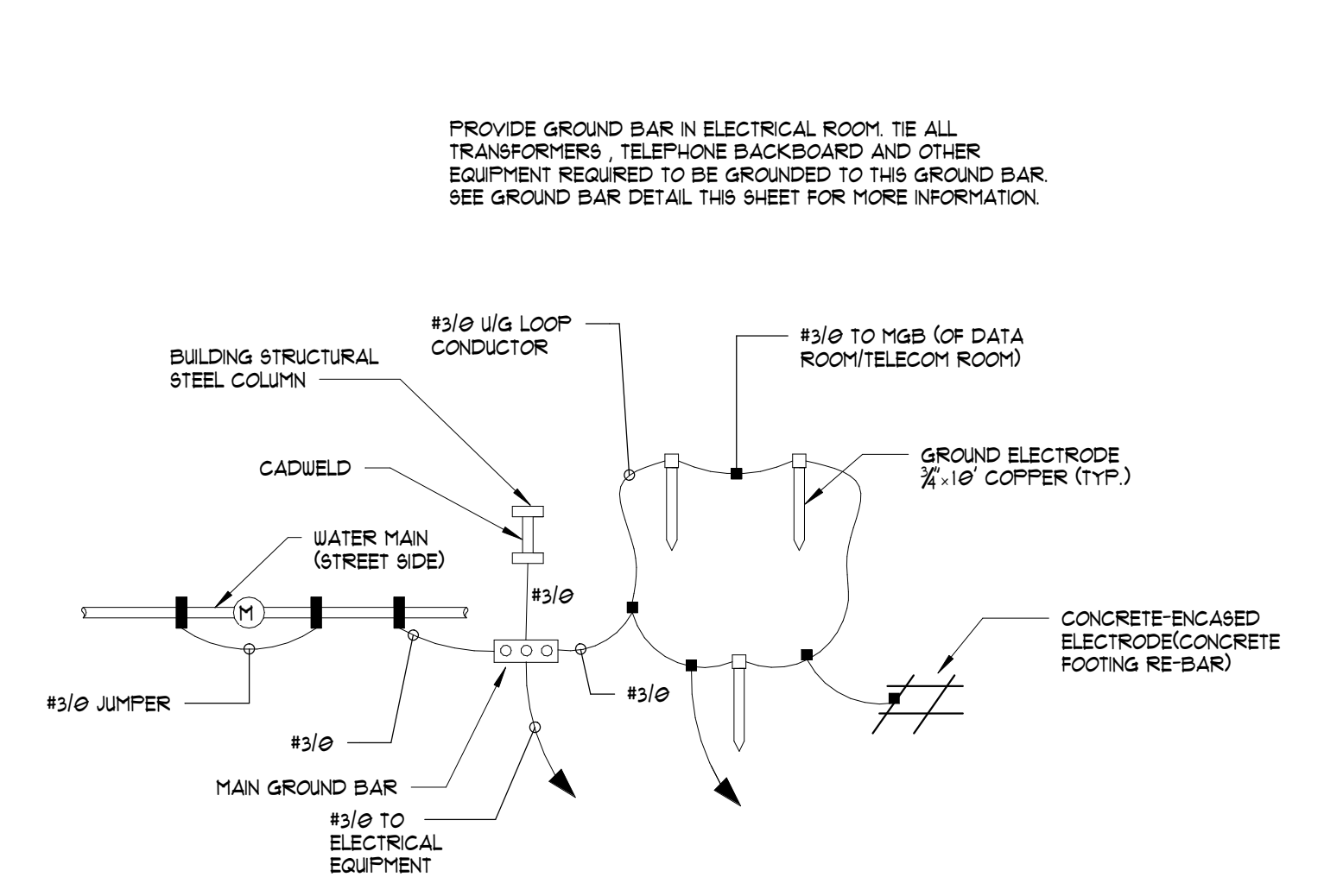
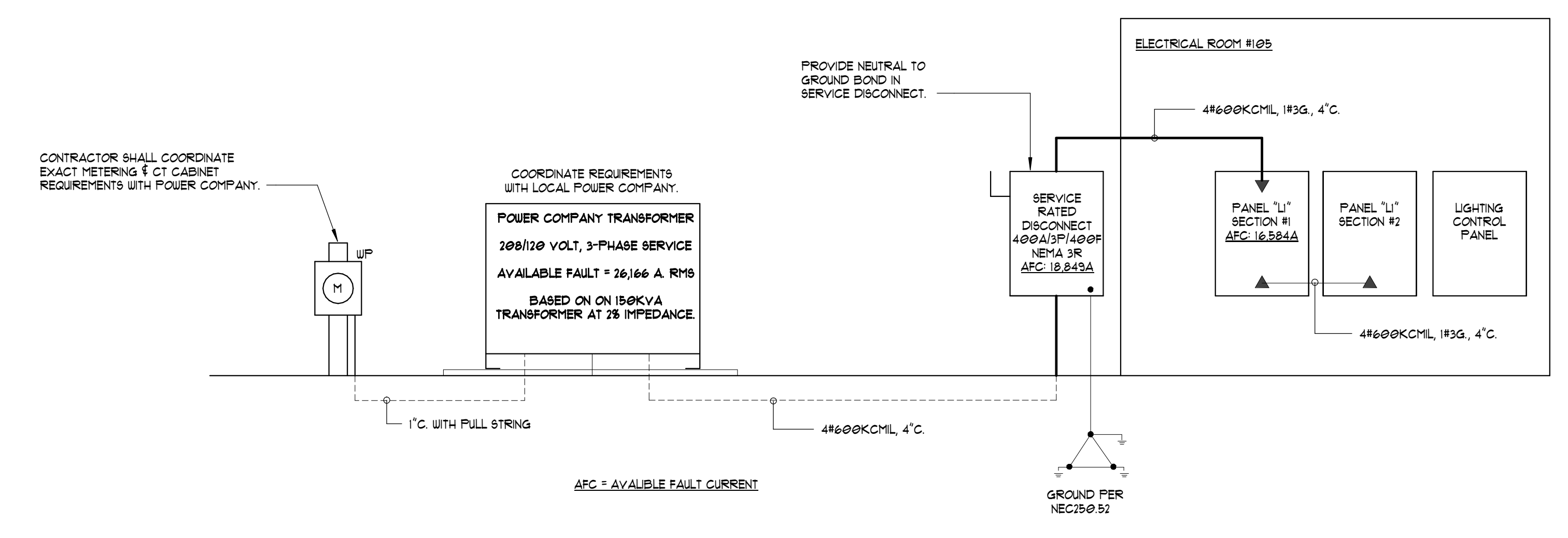


| NO. | DATE | ISSUANCE / REVISIONS |
|-----|------|----------------------|
| | | |



2 MAIN GROUND DETAIL
NOT TO SCALE



1 ELECTRICAL - RISER DIAGRAM
NOT TO SCALE

| LCP LIGHTING CONTROL SCHEDULE | | | | |
|-------------------------------|--|---------|----------------------|---------|
| RELAY | DESCRIPTION OF LIGHTING TO BE CONTROLLED | CIRCUIT | CONTROL | NOTES |
| 1 | ARCH LED TAPE LIGHTING | LI-41 | MANUAL ON / TIME OFF | ZONE A4 |
| 2 | PROGRAM / MEETING RM LIGHTING | LI-50 | MANUAL ON / TIME OFF | |
| 3 | ADULT / READING AREA LIGHTING | LI-54 | MANUAL ON / TIME OFF | ZONE A1 |
| 4 | ADULT / READING AREA LIGHTING | LI-62 | MANUAL ON / TIME OFF | ZONE A1 |
| 5 | HELP DESK AREA LIGHTING | LI-55 | MANUAL ON / TIME OFF | ZONE A3 |
| 6 | LIBRARY LIGHTING | LI-51 | MANUAL ON / TIME OFF | ZONE A2 |
| 7 | EXTERIOR CANOPY LIGHTING | LI-60 | PHOTO CELL ON/OFF | |
| 8 | HELP DESK AREA LIGHTING | LI-48 | MANUAL ON / TIME OFF | ZONE A5 |

LIGHTING CONTROL GENERAL NOTES:

- PROVIDE A COMPLETE LIGHTING CONTROL SYSTEM AND LIGHTING CONTROL PANEL BASIS OF DESIGN NIGHT (NARP-INTENC08-NLT-0FCR-1) CONTROL PANEL FEATURES INCLUDE BUT NOT EXCLUSIVE TO BUILDING MANAGEMENT SYSTEM (BMS) INTERFACE MODULE, OVERRIDE BUTTONS, PHOTOCELL, AND ALL ASSOCIATED CONTROL WIRING.
- OVERRIDE BUTTONS SHALL ALLOW AN OCCUPANT TO KEEP THE LIGHTS ON FOR AN ADDITIONAL 2-HOURS AND SHALL HAVE A PILOT LIGHT NEATLY LABELED DESCRIBING THE AREA IT CONTROLS.
- COORDINATE TIME SETTINGS WITH THE OWNER.
- PROVIDE CONTROL POWER AS REQUIRED.
- ALL COMPONENTS SHALL BE FROM THE SAME MANUFACTURER. ALL POWER PACKS/CONTROLLERS SHALL BE TIED TO THE LCP FOR TIME CLOCK CONTROL.
- APPROVED ALTERNATE LIGHTING CONTROL PANELS (LFC LIGHTLEADER SERIES, ACUTY NIGHT ARP SERIES)

| PANEL: LI | | | | | | | | | | | | |
|-----------|------------------------|---------|--------|-----|-----------|-----|------|------|---------------------------|-----------|-------------|--|
| VOLTAGE | 208 Y 120 | 3 PHASE | 4 WIRE | MAN | 400 AMP'S | | | MLO | MOUNTING | SEE RISER | A/C SURFACE | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| CKT NO | DESCRIPTION | NOTE | BKR | A | B | C | BKR | NOTE | DESCRIPTION | CKT NO | | |
| 1 | REP-1 | | 20/1 | 0.1 | 0.4 | | 20/1 | | PROGRAM COUNTER REC | 2 | | |
| 3 | BREAK RM GR1 | | 20/1 | 0.2 | 1.2 | | 20/1 | | BREAK MICROVAIVE | 4 | | |
| 5 | ELEC RHMANT REC | | 20/1 | 0.2 | 0.5 | | 20/1 | | BREAK RM RIDGE | 6 | | |
| 7 | JANU/DYD RECPT | | 20/1 | 0.5 | 1.6 | | 20/1 | | CONV. RECEPTACLES | 8 | | |
| 9 | PROGRAM MICROVAIVE | | 20/1 | 1.2 | 0.5 | | 20/1 | | PROGRAM RIDGE | 10 | | |
| 11 | PROGRAM COFFEE | | 20/1 | | | 0.8 | 1.1 | 20/1 | WORK ROOM RECPT | 12 | | |
| 13 | DISHWASHER | | 20/1 | 0.5 | 1.0 | | 20/1 | | BREAK COFFEE | 14 | | |
| 15 | COPIER MACHINE | | 20/1 | | 1.0 | 0.4 | 20/1 | | ADULT READING QUAD | 16 | | |
| 17 | WATER COOLER | | 20/1 | | 0.5 | 1.0 | 20/1 | | IT RACK QUAD | 18 | | |
| 19 | HP-1 | | 25/2 | 1.7 | 0.5 | | 25/2 | | HELP DESK RECPT | 20 | | |
| 21 | | | | | | | | | | 22 | | |
| 23 | HP-2 | | 25/2 | 1.7 | 1.1 | | 25/2 | | HP-2 | 24 | | |
| 25 | HP-3 | | 25/2 | 1.7 | 1.8 | | 45/2 | | | 26 | | |
| 27 | AHU-1 | | 45/2 | 1.8 | 1.8 | | 45/2 | | AHU-1 | 28 | | |
| 29 | | | | | | | | | | 30 | | |
| 31 | | | | 2.0 | 1.8 | | 45/2 | | AHU-3 | 32 | | |
| 33 | UH-1 | | 25/3 | 2.0 | 0.1 | | 20/1 | | FLOOR BOX'S | 34 | | |
| 35 | | | | 2.0 | 0.2 | | 20/1 | | RESTROOM RECPT | 36 | | |
| 37 | EP-1 & EP-4 | | 20/1 | 0.1 | 5.1 | | 60/3 | | | 38 | | |
| 39 | WORKROOM PRINTER | | 20/1 | 1.0 | 5.1 | | 60/3 | | RTU-1 | 40 | | |
| 41 | ARCH LIGHTING | | 20/1 | | 0.3 | 5.1 | | | | 42 | | |
| 43 | CHILDREN RECPT | | 20/1 | 0.1 | 1.2 | | 20/1 | | RR HAND DRYER | 44 | | |
| 45 | WORKSTATION RECPT | | 20/1 | 1.1 | 1.2 | | 20/1 | | RR HAND DRYER | 46 | | |
| 47 | | | | | | | | | LIGHTING | 48 | | |
| 49 | RTU-2 | | 35/3 | 3.8 | 0.3 | | 20/1 | | PROGRAM/MEETING LGT | 50 | | |
| 51 | | | | | | | | | PROGRAM/MEETING FLOOR REC | 52 | | |
| 53 | BOH/OFFICE/RR LGTS | | 20/1 | | 3.8 | 0.4 | 20/1 | | ADULT READING LGT | 54 | | |
| 55 | HELP DESK LGT | | 20/1 | 0.4 | 0.8 | | 20/1 | | CHILDREN LIGHTING | 56 | | |
| 57 | LIBRARY LIGHTING | | 20/1 | | 0.1 | 0.8 | 20/1 | | ADA DOOR OPERATOR | 58 | | |
| 59 | LIGHTING CONTROL PANEL | | 20/1 | 0.0 | 0.0 | | 20/1 | | CANOPY LIGHTING | 60 | | |
| 61 | SPARE | | 20/1 | 0.0 | 0.5 | | 20/1 | | ADULT READING LGT | 62 | | |
| 63 | SPARE | | 20/1 | | 0.0 | 0.4 | 20/1 | | EXTERIOR WALL PACKS | 64 | | |
| 65 | SPARE | | 20/1 | | 0.0 | 0.0 | 20/1 | | SPARE | 66 | | |
| 67 | SPARE | | 20/1 | 0.0 | 0.0 | | 20/1 | | SPARE | 68 | | |
| 69 | SPARE | | 20/1 | 0.0 | 0.0 | 0.0 | 20/1 | | SPARE | 70 | | |
| 71 | SPARE | | 20/1 | | 0.0 | 0.0 | 20/1 | | SPARE | 72 | | |
| 73 | SPARE | | 20/1 | 0.0 | 0.0 | | 20/1 | | SPARE | 74 | | |
| 75 | SPACE | | / | | -- | -- | / | | SPACE | 76 | | |
| 77 | SPACE | | / | | -- | -- | / | | SPACE | 78 | | |
| 79 | SPACE | | / | | -- | -- | / | | SPACE | 80 | | |
| 81 | SPACE | | / | | -- | -- | / | | SPACE | 82 | | |
| 83 | SPACE | | / | | -- | -- | / | | SPACE | 84 | | |

| CONNECTED LOADS | DEM. FACTOR | DEM. LOADS | SECTION BUS KVA | ABBREVIATIONS: ST=SHUNT TRIP |
|-----------------|----------------|-----------------|-----------------|-----------------------------------|
| LIGHTING | 4.5 | * 125% | 4.5 KVA | AF = ARC FAULT, GF = GROUND FAULT |
| RECEPTACLE | 20.6 | PER NEC 220.41 | 19.3 KVA | |
| MOTORS | 0.5 | DIV 5 MAX + ... | 1.1 KVA | |
| A/C | 9.1 | LARGEST | 9.1 KVA | |
| HEATING | 28.5 | * 100% | 6.0 KVA | |
| NON-CONTIN: | 6.0 | * 100% | 6.0 KVA | |
| CONTINUOUS: | | * 125% | | |
| EV. | | * 125% | | |
| KITCHEN | PER NEC 210.56 | | 84.3 KVA | |
| ELEVATOR | PER NEC 620.14 | | 234 AMP'S | |