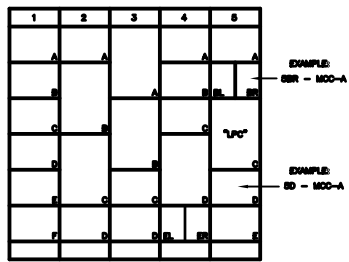


CIRCUIT DESIGNATIONS: PANELBOARD

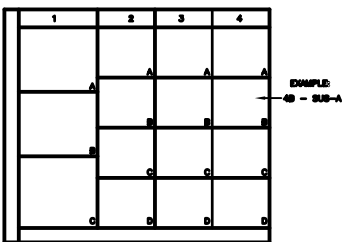
- NUMBER POLES WITH ODD NUMBERS ON LEFT AND EVEN NUMBERS ON RIGHT.
- FOR A MULTIPLE POLE DEVICE, UTILIZE ONLY ONE OF THE MULTIPLE NUMBERS WHICH IT COVERS AS A CIRCUIT NUMBER. PREFERABLE NUMBERS ARE TOP POLE NUMBERS ON TWO POLE AND MIDDLE NUMBER ON 3 POLE DEVICES.



CIRCUIT DESIGNATIONS: MOTOR CONTROL CENTER
SCALE: NONE

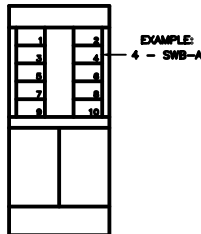
- CIRCUIT NUMBERS FOR CIRCUITS EMANATING FROM THIS EQUIPMENT WILL UTILIZE THE HORIZONTAL AND VERTICAL LOCATORS OF THE CUBICLE FROM WHICH THE CIRCUIT IS FED.
- WHEN THIS EQUIPMENT HAS A PANELBOARD INSTALLED WITHIN IT, THE PANELBOARD WILL BE CODED SEPARATELY. EXAMPLE: COMPARTMENT 5C IS PANELBOARD "LPC". IT IS CODED 3-34LPC. CIRCUIT FEEDING LPC IS 58L-MCCA.

*USE L AND R TO DESIGNATE LEFT SIDE AND RIGHT SIDE CIRCUIT BREAKER WHEN TWO CIRCUIT BREAKERS ARE INSTALLED IN THE SAME CUBICLE.



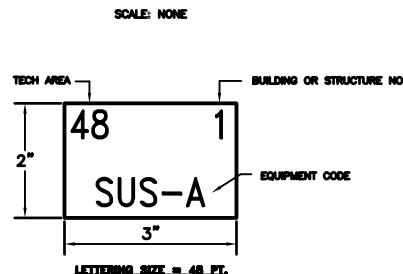
CIRCUIT DESIGNATIONS: SWITCHGEAR
SCALE: NONE

CIRCUIT NUMBERS FOR CIRCUITS EMANATING FROM THIS EQUIPMENT WILL UTILIZE THE HORIZONTAL AND VERTICAL LOCATORS OF THE CUBICLE FROM WHICH THE CIRCUIT IS FED.

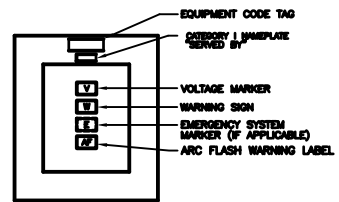


CIRCUIT DESIGNATIONS: GROUP MOUNTED SWITCHBOARD
SCALE: NONE

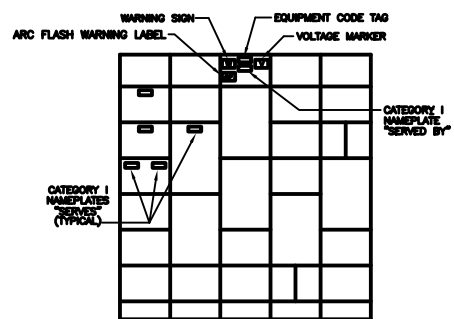
- CIRCUIT NUMBERS FOR CIRCUITS EMANATING FROM THIS EQUIPMENT WILL UTILIZE THE PANELBOARD DESIGNATIONS.
- THE CIRCUIT NUMBER OF STARTERS OR CONTACTORS LOCATED IN THE BOTTOM SECTION WILL BE THAT OF THE CIRCUIT FROM WHICH IT IS FED.



EQUIPMENT CODE TAG
SCALE: NONE

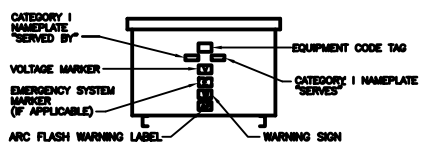


ELECTRICAL IDENTIFICATION: PANELBOARD
SCALE: NONE



ELECTRICAL IDENTIFICATION: MOTOR CONTROL CENTER
SCALE: NONE

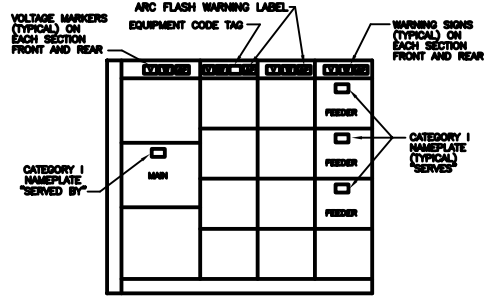
- ONLY COMPARTMENTS SERVING EQUIPMENT WILL HAVE CATEGORY I NAMEPLATES. SPARE UNITS AND SPACES DO NOT REQUIRE ANY NAMEPLATES.
- MAIN WILL HAVE A CATEGORY I NAMEPLATE INSTALLED AND MAY HAVE A CATEGORY II NAMEPLATE INSTALLED.
- CATEGORY II NAMEPLATES MAY BE REQUIRED ON SOME COMPARTMENTS DEPENDING ON THEIR SERVICE.



ELECTRICAL IDENTIFICATION: TRANSFORMER
SCALE: NONE

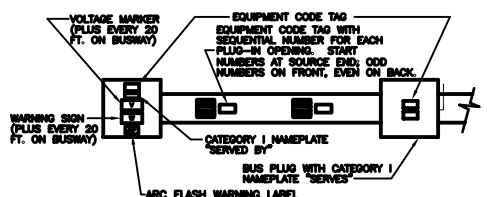
DESIGNER: EXIT TO BE PROJECT-SPECIFIC DO NOT PUT "DETAILS", "GRAPHICS", ETC IN THE MARGIN ABOVE THE TITLE BLOCK PER THE LAMP DRAFTING MANUAL. PROVIDE SCHEDULES FOR CODE TAG EQUIPMENT, NAMEPLATES AND ARC FLASH WARNING LABELS.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).



ELECTRICAL IDENTIFICATION: SWITCHGEAR
SCALE: NONE

- ONLY COMPARTMENTS SERVING EQUIPMENT WILL HAVE CATEGORY I NAMEPLATES. SPARE UNITS AND SPACES DO NOT REQUIRE ANY NAMEPLATES.
- SECONDARY MAINS AND THE COMPARTMENTS WILL HAVE A CATEGORY I NAMEPLATE INSTALLED AND MAY HAVE A CATEGORY II NAMEPLATE INSTALLED.
- CATEGORY II NAMEPLATES MAY BE REQUIRED ON SOME COMPARTMENTS DEPENDING ON THEIR SERVICE. ADDITIONAL CATEGORY II NAMEPLATES MAY BE REQUIRED IF LOAD TRANSFER FUNCTIONS ARE INVOLVED.



ELECTRICAL IDENTIFICATION: BUSDUCT
SCALE: NONE

- INSTALL EQUIPMENT CODE TAGS AT 25 FOOT INTERVALS ALONG THE LENGTH OF THE BUSDUCT.
- INDIVIDUAL FEEDER BREAKERS WILL HAVE CATEGORY I NAMEPLATES INSTALLED ON THEM.

| | | | | | | | | | |
|----|----------|-------|----|-----|---|----------|-------|---------|------|
| NO | DATE | CLASS | BY | APP | DESCRIPTION | DESIGNED | DRAWN | CHECKED | DATE |
| 2 | 8-18-08 | | | | NEW TITLE BLOCK UPDATED DISTINCTIONS | LT | DP | DP | TD |
| 1 | 11-18-08 | | | | NEW DRAWING NO. COMPLETED REVISED, ADDED POC-4481 WARNING LABELS, REPLACES ST7007 | SB | DP | DP | TD |

| | | | | | | | | | |
|---|--|--|--|----------------------|--|--|--|---------|---------------|
| ENGINEERING STANDARDS PROGRAM | | | | | | | | | |
| ENGINEERING STANDARDS MANUAL | | | | | | | | DESIGN | D.E. FOWELL |
| CIRCUIT DESIGNATIONS AND ELECTRICAL IDENTIFICATION | | | | | | | | CHECKED | D. WITHELL |
| BLDG | | | | | | | | TA | DATE 08-23-08 |
| SUBMITTED | | | | APPROVED FOR RELEASE | | | | DATE | |
| DAVID W. FOWELL | | | | TOM CRUCH | | | | DATE | |
| | | | | | | | | | |
| CLASSIFICATION: UNCL PROJECT ID: ST-D5000-3 DRAWING NO: 2 | | | | | | | | | |

NOT FOR CONSTRUCTION