

1. SEE LIGHTING INSTALLATION PLAN I FOR GENERAL NOTES.

- INSTALL NEW TRENCH WITH 2" PVC CONDUIT. INSTALL CONDUCTORS PER CIRCUIT ID AND ONE-LINE. (TYPICAL)

- INSTALL NEW CLASS 1 PULL BOX. SEE LEE'S SUMMIT STANDARD DRAWING SL-3. (TYPICAL)

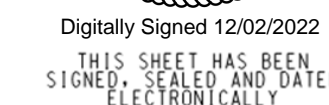
4F03-2

4F03-2-1


4F03-1

4F03-2

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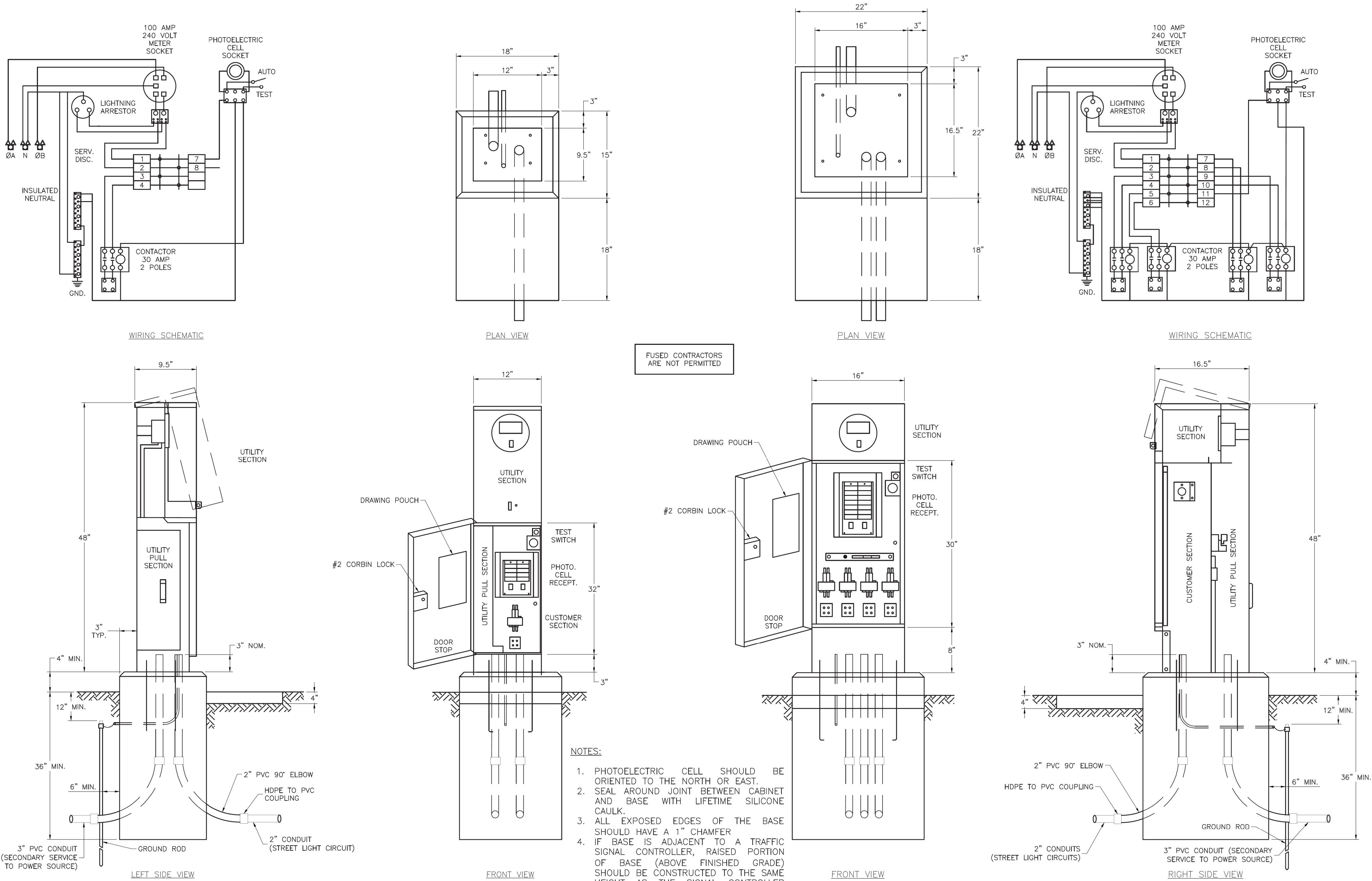
COLBERN ROAD
RECONSTRUCTION

BAR IS ONE INCH ON
ORIGINAL DRAWING

0  1"

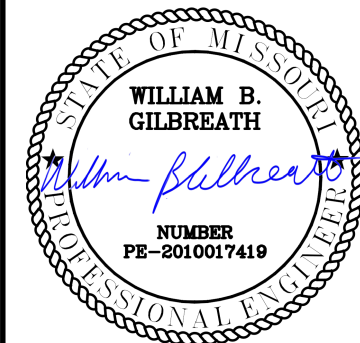
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DRAWING NUMBER
E-210





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Digitally Signed 12/02/2022
THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY

BY	DESCRIPTION	DATE	REV.



CITY OF
LEE'S SUMMIT
LEE'S SUMMIT, MISSOURI
F.A.P. STP-3301(627)
COLBURN ROAD
RECONSTRUCTION

ELECTRICAL DETAILS I

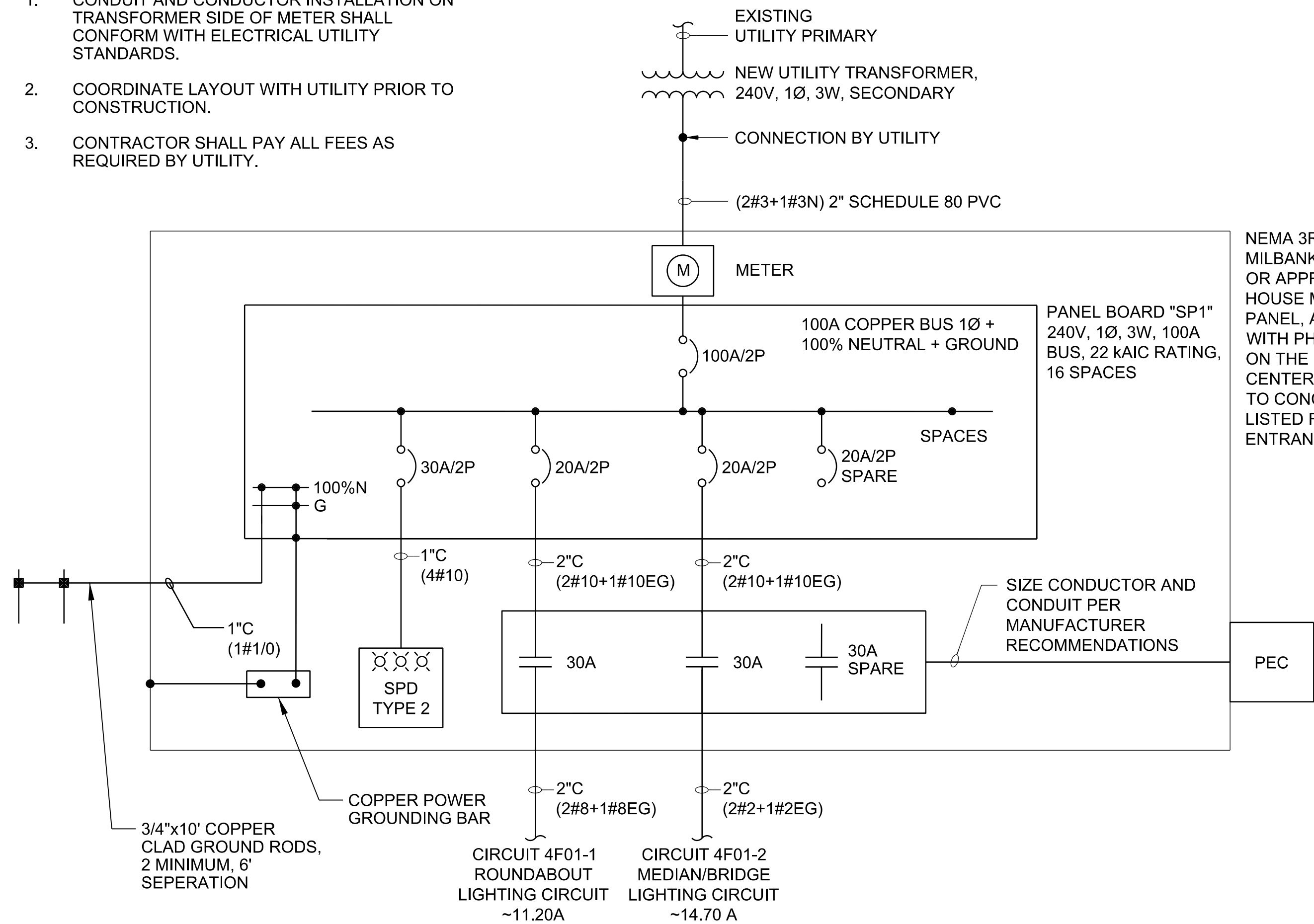
JOB NO.: 17177041
DATE: DEC. 2022
DESIGNED BY: AKF
DRAWN BY: AKF

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET,
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DRAWING NUMBER
E-301

NOTES:

- CONDUIT AND CONDUCTOR INSTALLATION ON TRANSFORMER SIDE OF METER SHALL CONFORM WITH ELECTRICAL UTILITY STANDARDS.
- COORDINATE LAYOUT WITH UTILITY PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL PAY ALL FEES AS REQUIRED BY UTILITY.



NEMA 3R ENCLOSURE, MILBANK CP3B51115A22SL1 OR APPROVED EQUAL TO HOUSE METER, SPD, POWER PANEL, AND CONTACTOR WITH PHOTOCELL MOUNTED ON THE SIDE OF THE LOAD CENTER. SECURE PEDESTAL TO CONCRETE PAD. UL LISTED FOR SERVICE ENTRANCE. NEMA 3R RATED.

PEDESTAL "4F01"

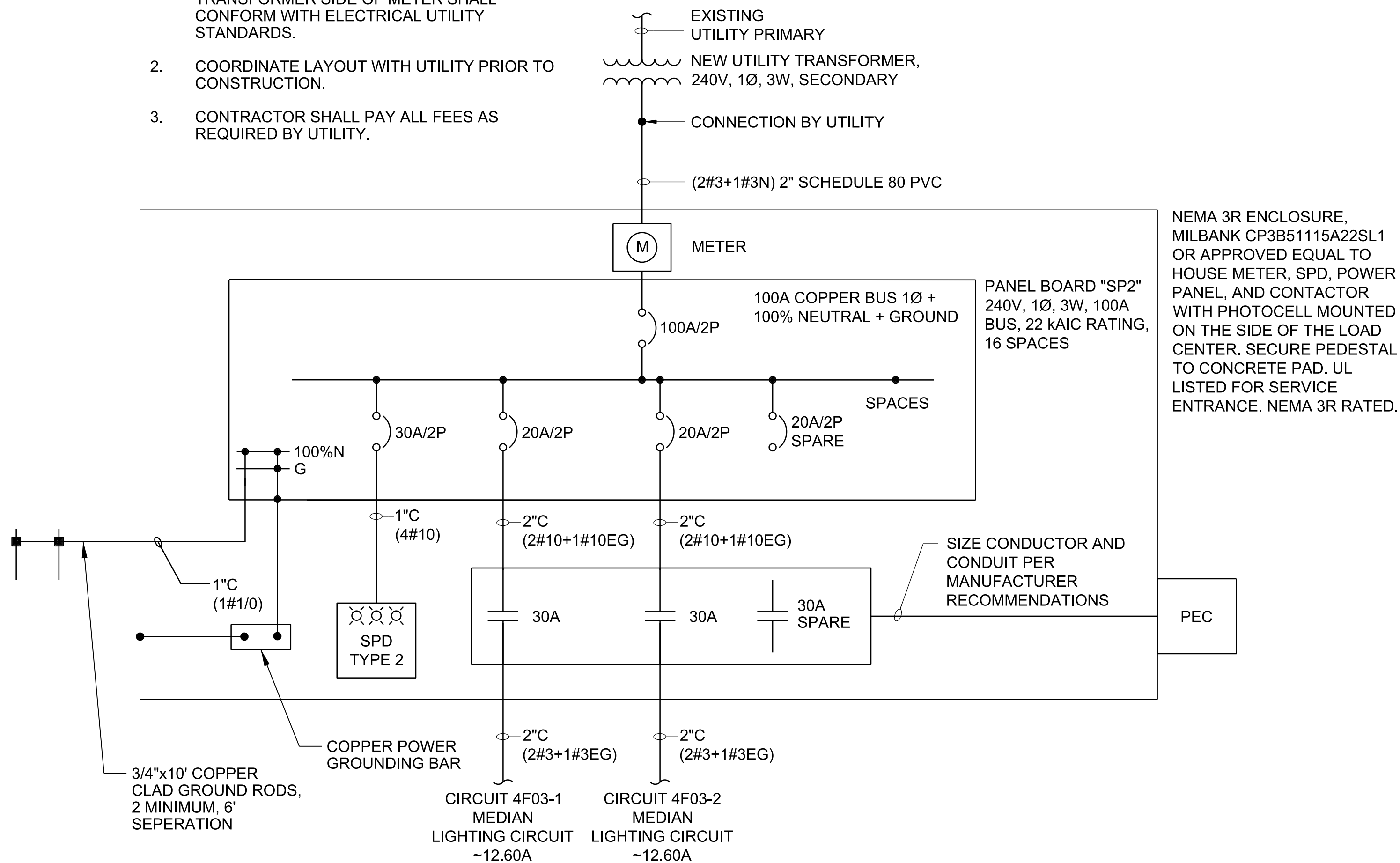
1 ONE-LINE DIAGRAM (4F01)
E-301 SCALE: NONE

DIAGRAM NOTES:

- ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NFPA 70 (2017) NATIONAL ELECTRICAL CODE, NFPA 101 (2018) LIFE SAFETY CODE, STATE ELECTRICAL CODE, AND LOCAL ELECTRICAL CODE.
- COORDINATE ELECTRICAL POWER SUPPLY WITH EQUIPMENT SUPPLIED.
- COORDINATE ALL ELECTRICAL WORK AND POWER OUTAGES WITH OWNER AND POWER UTILITY.
- WIRING SHALL BE MINIMUM TYPE THHN/THWN-2.
- EQUIPMENT SHORT CIRCUIT CURRENT RATINGS AND AVAILABLE INTERRUPTING CURRENT RATINGS SHALL BE FULLY RATED TO INTERRUPT SYMMETRICAL SHORT CIRCUIT CURRENT AVAILABLE AT TERMINALS. SERIES RATED SYSTEMS SHALL NOT BE USED.
- NEUTRAL BUSES SHALL BE COPPER 100% RATED UNLESS NOTED OTHERWISE.
- GROUND BUSES SHALL BE 100% COPPER UNLESS OTHERWISE NOTED.
- INSTALL AN EQUIPMENT GROUND GROUNDING CONDUCTOR IN ALL FEEDER AND BRANCH CIRCUITS.
- INSTALL ALL CONDUCTORS AND CABLES IN CONDUIT UNLESS NOTED OTHERWISE.
- INSTALL LUGS AND JUNCTION BOXES AS REQUIRED TO FIT WIRING.
- ALL WIRING SHALL BE COPPER.
- INSTALL NEW LAMINATED TYPED PANEL SCHEDULES IN ALL ELECTRICAL PANELS INDICATING WORK PERFORMED.
- INSTALL NEW PERMANENT LABELS ON PANELBOARDS INDICATING WORK PERFORMED.
- PEC SHALL BE INSTALLED TO FACE NORTH.
- POLE RISER CIRCUITS SHALL BE NO. 10 AWG COPPER.
- THE UTILITY POINT OF CONTACT IS JENNY CASEY, KCP&L, 816-347-4334

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PEDESTAL "4F03"

2 ONE-LINE DIAGRAM (4F03)
E-301 SCALE: NONE