

TELEPHONE RISER DIAGRAM

SCALE: NO SCALE

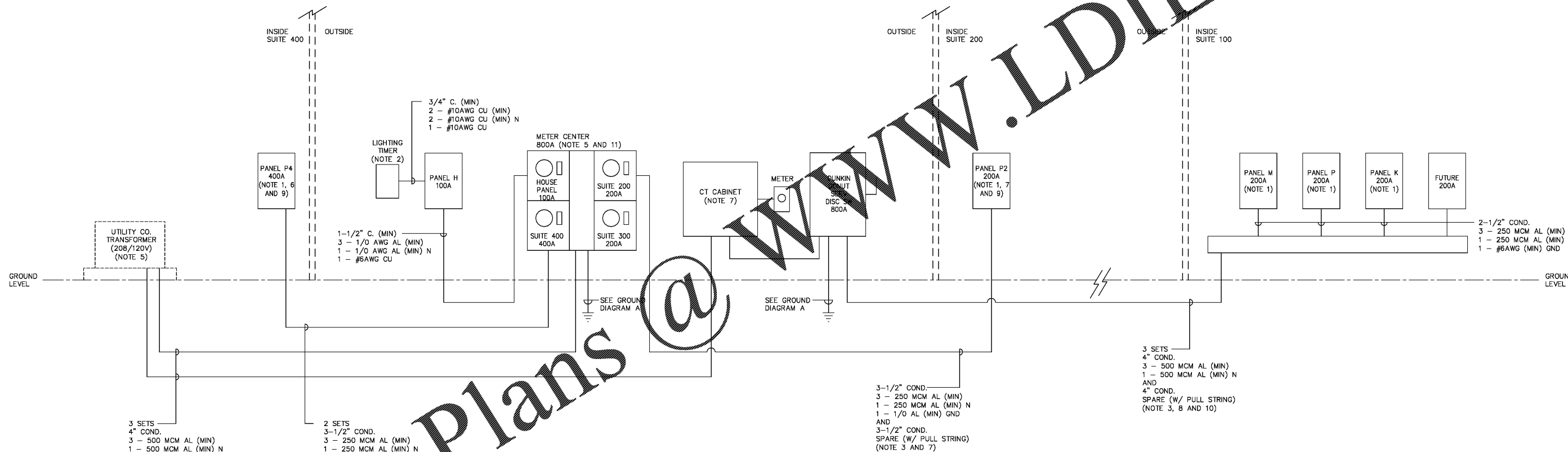
LEGEND
 ----- EXISTING
 - - - - - NEW

NOTES:

1. EC SHALL COORDINATE WITH LOCAL TELEPHONE COMPANY AND INSTALL PER ALL PHONE COMPANY REQUIREMENTS.

CALCULATED FAULT CURRENTS		
EQUIPMENT	ELECTRICAL SOURCE	AVAILABLE BOLTED CURRENT (KA) (NOTE 1)
METER CENTER	UTILITY	25.7
PANEL P2/P3	METER CENTER	18.3
PANEL P4	METER CENTER	16.0
PANEL H	PANEL P2/P3	12.6
DD SE DISC	UTILITY	25.7
DD TROUGH	DD SE DISC	19.7
PANEL M	DD TROUGH	18.2
PANEL P	DD TROUGH	18.2
PANEL K	DD TROUGH	18.2

NOTES:
 1. FAULT CURRENTS ARE BASED ON AN AVAILABLE FAULT CURRENT OF 66.091A PER COOPER BUSSMAN EPR 2005, "ELECTRICAL PLAN REVIEW" TABLE 5 FOR A 750 KVA TRANSFORMER.



POWER RISER DIAGRAM

SCALE: NO SCALE

LEGEND
 ----- EXISTING
 - - - - - NEW

NOTES:

1. NEUTRAL AND GROUND BARS SHOULD BE ISOLATED. DO NOT BOND THESE BARS TOGETHER.
2. INSTALL TWO CHANNEL ASTRONOMIC LIGHTING TIMER, INTERMATIC ET8215CR OR EQUAL.
3. CABLE INSULATION SHALL BE RATED FOR 90°C IN A WET LOCATION (I.E., INSULATION SUCH AS XHHW, XHHW-2 OR THWN-2).
4. RISER DIAGRAM IS DIAGRAMMATIC IN NATURE. ACTUAL CONFIGURATION MAY DIFFER SLIGHTLY.
5. COORDINATE TRANSFORMER AND METER LOCATION WITH POWER COMPANY.
6. TYPICALLY FOR 400A UNITS.
7. TYPICALLY SUITE 200 AND 300.
8. COORDINATE SERVICE CABLE AND CONDUIT(S) SIZE WITH GA POWER PRIOR TO ROUGH-IN. GA POWER MAY BE ABLE TO RE-SIZE THE SERVICE CABLES BASED ON NESC STANDARD.
9. EC SHALL CONFIRM THE NEEDED PANEL CAPACITY WITH THE OWNER AND/OR GC PRIOR TO ROUGH-IN.
10. INDIVIDUAL UNDERGROUND CONDUITS SHALL BE SEPARATED ON 7.5 INCHES C-TO-C SPACING WITH A BURIAL DEPTHS OF 30 INCHES (MAX). EXCEPT AT TERMINATION POINTS, CONDUIT DUCT BANKS SHALL BE SEPARATED BY A MINIMUM OF 5 FEET.
11. METER CENTER SHOULD HAVE THE CAPACITY FOR TWO 400AMP METERS. INDIVIDUAL TENANT LOADS WILL HAVE TO BE ASSESSED TO CONFIRM.
12. METER CENTER SHOULD HAVE THE CAPACITY FOR ONE 400AMP METERS. INDIVIDUAL TENANT LOADS WILL HAVE TO BE ASSESSED TO CONFIRM.

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SHELL DESIGN

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RISER DIAGRAM

DRAWN BY: COL
 CHECKED BY:
 DATE: JANUARY 13, 2021
 REVISIONS:
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E3.1