

#### REFERRAL NOTES:

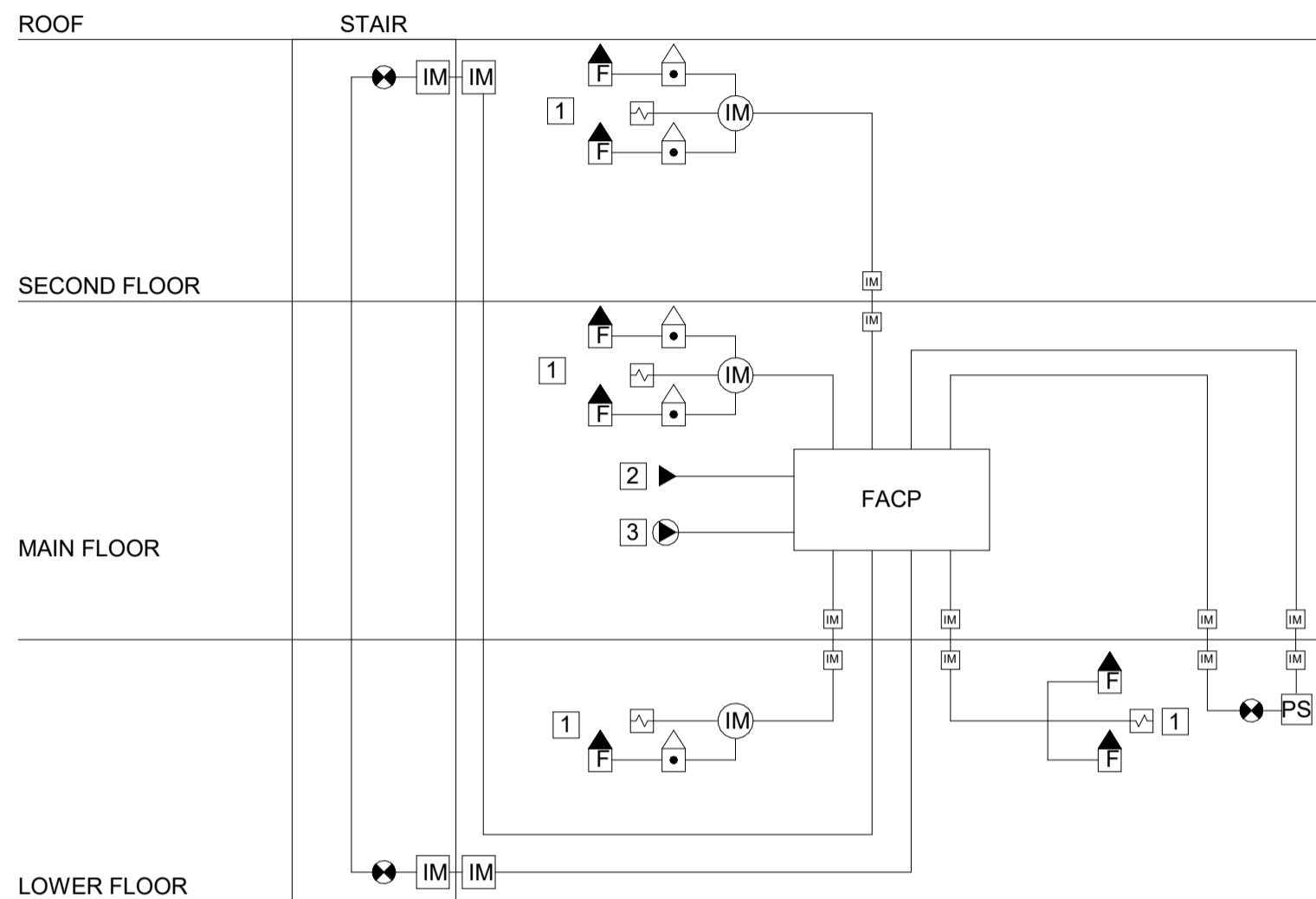
- 1 METERING PER SINGLE LINE. REFER TO ATCO CUSTOMER METERING SERVICE GUIDE FOR EXACT ARRANGEMENT AND REQUIREMENTS.
- 2 CONDUIT AND CABLING BACK TO UTILITY TRANSFORMER SIZED PER SINGLE LINE DIAGRAM.
- 3 SUITE FEEDER CONDUCTORS SIZED PER SINGLE LINE DIAGRAM.
- 4 SUITE TELECOM CONDUITS. 1-27mm C/W CATV CABLE FOR SHAW AND 1-27mm C/W CAT5E CABLE FOR TELUS TO EACH SUITE. STUB CONDUITS INTO SUITE TELECOM PANELS. REFER TO PLAN DRAWINGS FOR LOCATIONS.
- 5 SHAW AND TELUS SERVICE CONDUITS. PROVIDE 1-53mm CONDUIT FOR SHAW AND 1-103mm CONDUIT FOR TELUS BACK TO TELECOM UTILITY PEDESTAL REFER TO SITE PLAN DRAWINGS FOR PEDESTAL LOCATIONS.
- 6 SHAW AND TELUS UTILITY SERVICE BOXES. COORDINATE SPECIFIC INFORMATION WITH RESPECTIVE UTILITY REQUIREMENTS.

#### GENERAL NOTES:

- A. REFER TO DRAWINGS FOR FIRE ALARM DEVICE LOCATIONS.
- B. THE FIRE ALARM SYSTEM SHALL COMPLY WITH ALL ULC 5524 AND ABC 2014 CODE REQUIREMENTS.
- C. THE FIRE ALARM SYSTEMS IS SINGLE STAGE.
- D. THE INTENT OF THIS DIAGRAM IS TO SHOW GENERAL CONFIGURATION OF THE FIRE ALARM SYSTEM. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL COMPONENTS TO FURNISH A COMPLETE AND FUNCTION SYSTEM.
- E. THIS DIAGRAM INDICATES ONE POSSIBLE WIRING CONFIGURATION OF THE FIRE ALARM SYSTEM. ALTERNATE CONFIGURATIONS ARE ACCEPTABLE PROVIDED THEY:
  - a. MEET ALL APPLICABLE CODES AND
  - b. AN UPDATED RISER IS PROVIDED IN SHOP

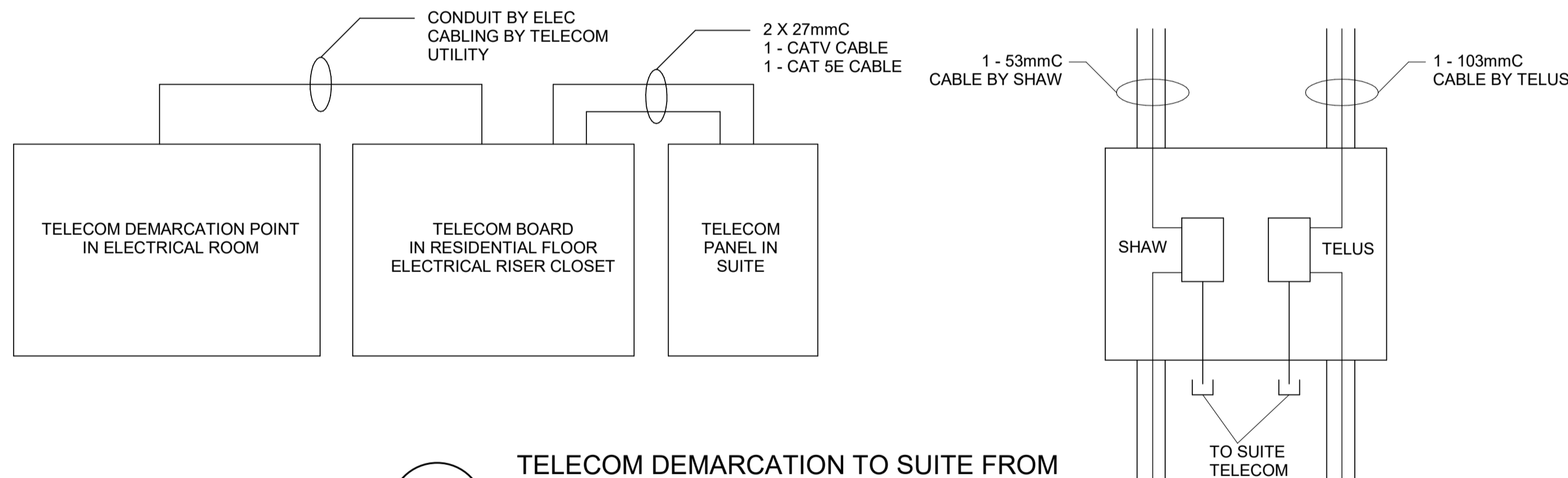
#### REFERRAL NOTES:

- 1 REFER TO PLAN DRAWINGS FOR QUANTITIES.
- 2 2 CONNECTIONS TO TELEPHONE FOR FIRE ALARM MONITORING.
- 3 120V POWER CONNECTION.



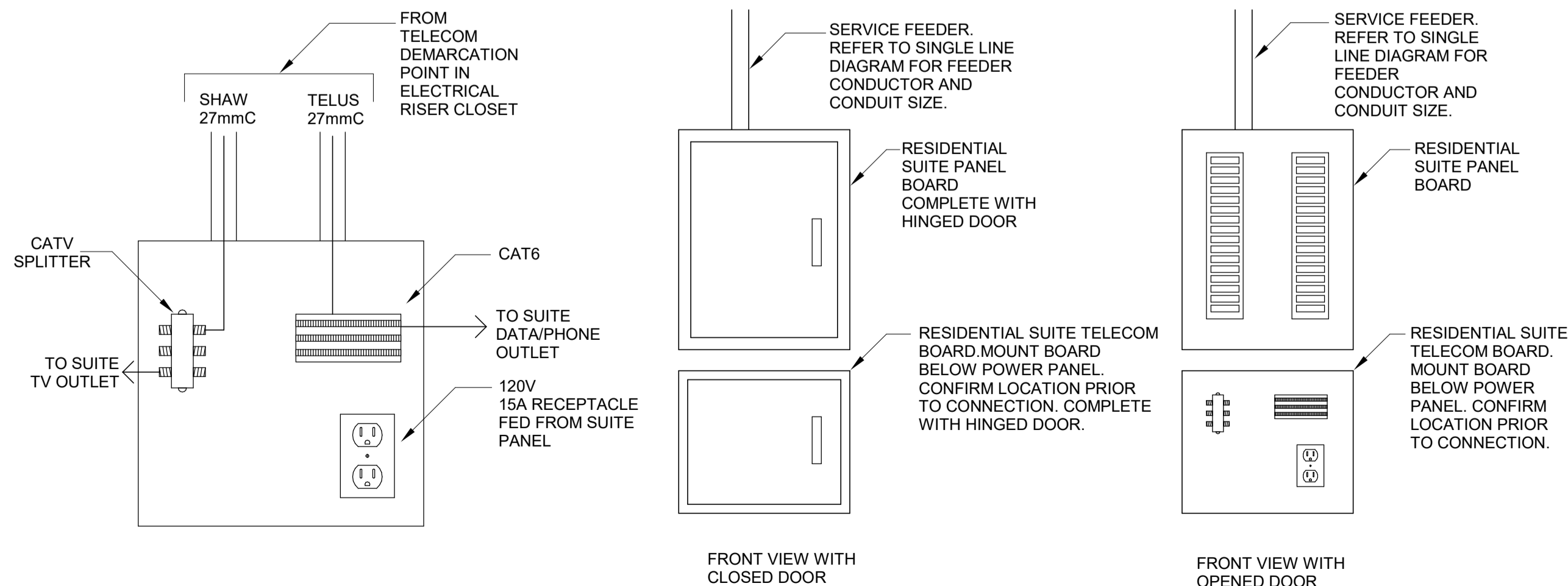
### 1 METER STACK DETAILS

SCALE: N.T.S.



### 4 TELECOM DEMARCATION TO SUITE FROM RISER CLOSER

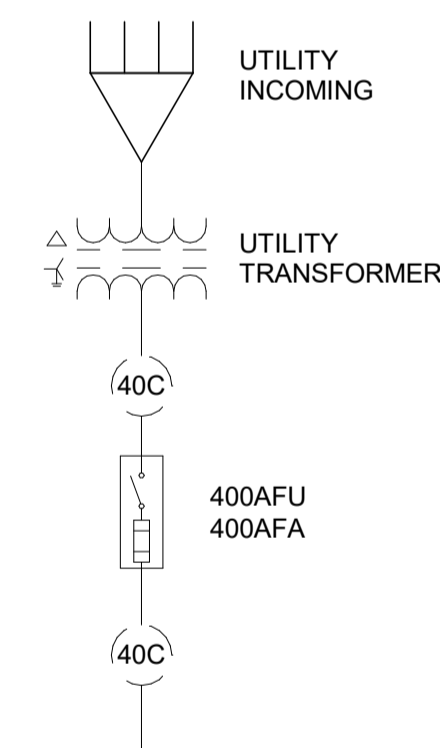
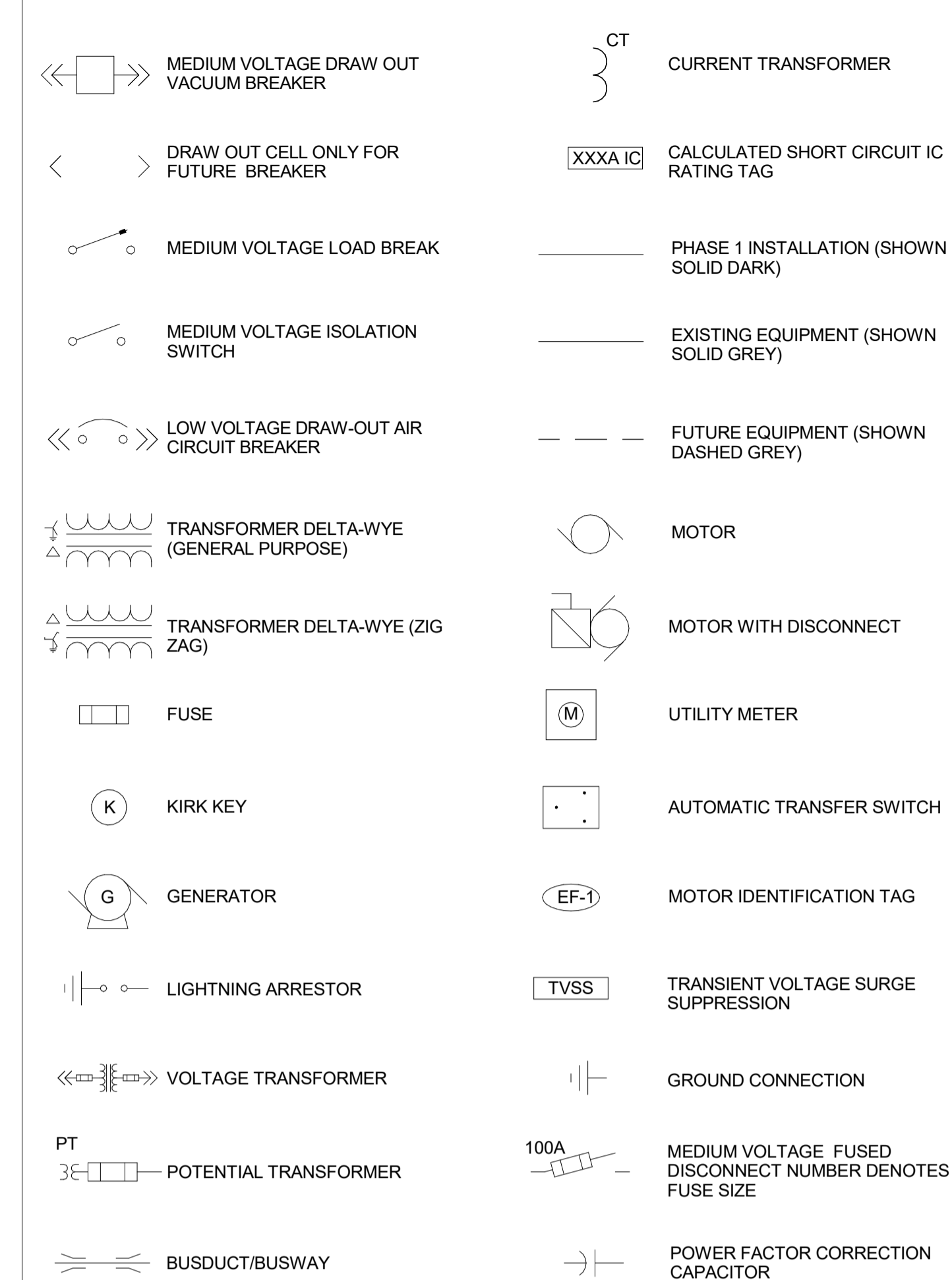
SCALE: N.T.S.



### 5 TYPICAL SUITE PANEL ELEVATION

SCALE: N.T.S.

#### SINGLE LINE - LEGEND OF SYMBOLS



#### UNDERGROUND INSTALLATION NOTES :

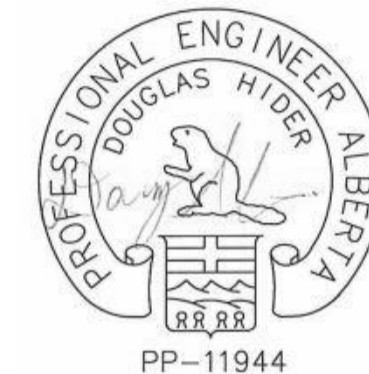
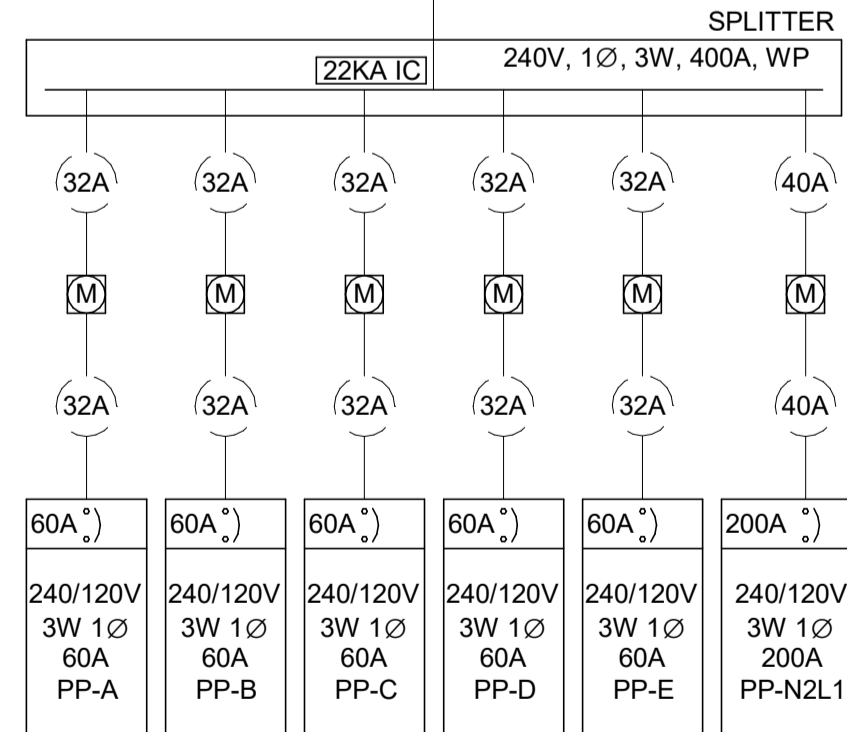
- a. ALL CABLING INSTALLED UNDERGROUND WILL FOLLOW THE RULES AND BE SUBJECT THE DE-RATING AS DESCRIBED IN CEC 2018.
- uB. FOR THIS INSTALLATION THE UNDERGROUND CABLE BETWEEN THE UTILITY CONNECTION AND THE SERVICE ENTRANCE METER STACK (MS-01) SHALL BE INSTALLED IN ACCORDANCE WITH DIAGRAM D11 OF CEC 2015.
- uC. THE SERVICE ENTRANCE CABLE WHEN INSTALLED TO THE CONFIGURATION DIAGRAM D11 OF CEC 2018 MEETS REQUIREMENTS OF THE CODE OUTLINED IN TABLE D11B. AS SUCH NO IEEE 835 CALCULATION IS REQUIRED.
- uD. IF THE ELECTRICAL CONTRACTOR WISHES TO RECONFIGURE THE INSTALLATION OF THE SERVICE ENTRANCE CABLE OR CHANGE CABLE TYPE OR SIZE THEN THE CONTRACTOR MUST OBTAIN AN IEEE 835 CALCULATION AND SUBMIT IT FOR REVIEW PRIOR TO INSTALLING CABLE.

#### GENERAL NOTES:

- A) 'X-KAIC SYM.' DENOTES CALCULATED SHORT CIRCUIT CURRENT AVAILABILITY.
- B) SHORT CIRCUIT LEVELS BELOW 10KAIC SYM. ARE NOT SHOWN.
- C) IC LEVELS SHOWN REPRESENT MINIMUM REQUIRED INTERRUPTING CAPACITY. EQUIPMENT CAN HAVE IC RATINGS HIGHER THAN LEVELS INDICATED.
- D) ALL CONNECTIONS TO ROTATING MECHANICAL EQUIPMENT SHALL BE COPPER CONDUCTORS.
- E) SERIES RATING OF EQUIPMENT SHALL ONLY BE PERMITTED WHERE CALCULATED FAULT CURRENT EXCEEDS 22kA.
- F) METER STACKS FEEDING RESIDENTIAL SUITES DO NOT SHOW ALL PANELS CONNECTED TO THEM. REFER TO SUITE PANEL FEEDER SCHEDULES BELOW FOR CABLE, BREAKER SIZE AND PANELS FED FROM EACH METER STACK.
- G) IN SUITE PANELS SHALL BE AS FOLLOWS:  
60A FEEDER BREAKER - 60A PANEL.  
90A FEEDER BREAKER - 100A PANEL.  
100A FEEDER BREAKER - 100A PANEL.

### 3 SINGLE LINE DIAGRAM

SCALE: N.T.S.



2019-10-29

Revised	Description	Date
4	ISSUED FOR CONSTRUCTION	2019-10-29
3	95% CLIENT REVIEW	2019-08-29
2	66% CLIENT REVIEW	2019-05-09
1	33% CLIENT REVIEW	2019-03-14

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5 PLEX

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Drawing Title: ELECTRICAL DETAILS & RISERS

Project Number: R.100429.001

Scale: E3.0

Sheet Number: 4