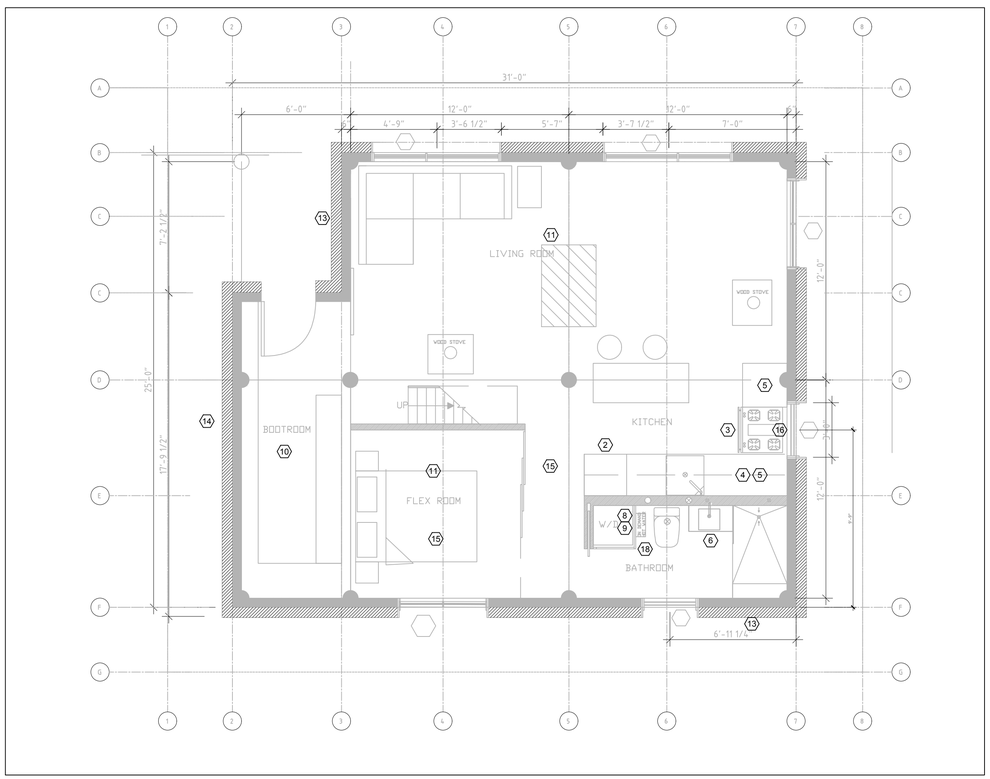
DRAWING NOTES

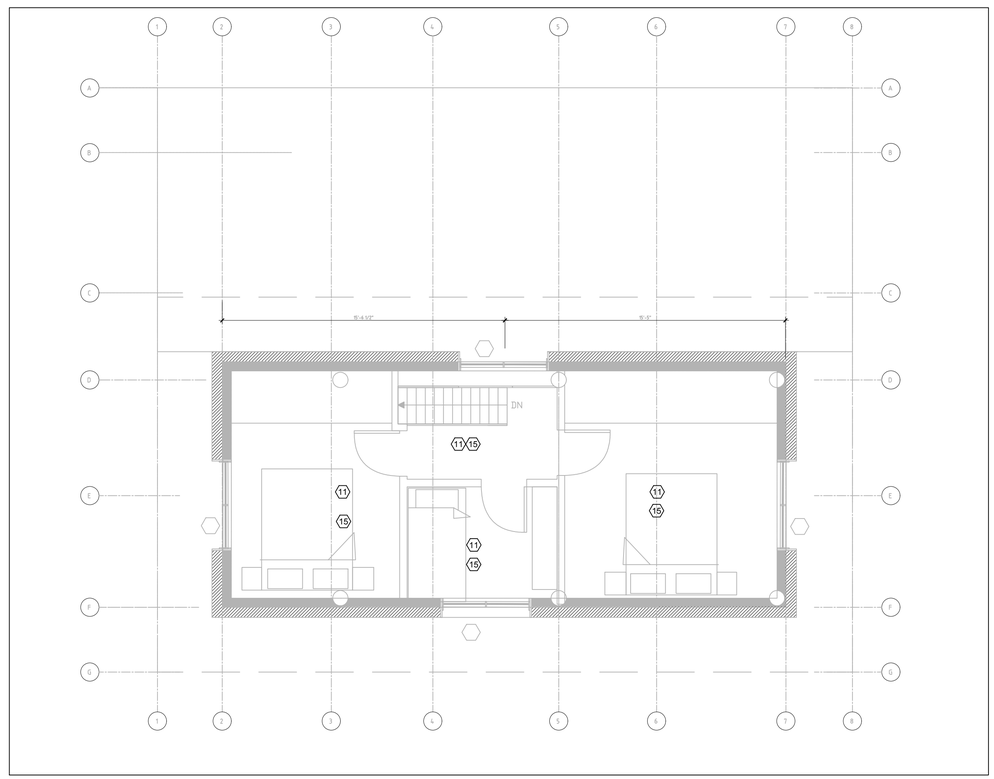
1. PROVIDE A DEDICATED PANEL FOR EACH DWELLING UNIT.
2. PROVIDE A DUPLEX RECEPTACLE FOR FRIDGE/FREEZER ON A DEDICATED CIRCUIT.
3. PROVIDE A 240V, 50A RECEPTACLE FOR A STOVE ON A DEDICATED CIRCUIT.
4. PROVIDE AN ABOVE COUNTER, DUPLEX RECEPTACLE FOR MICROWAVE ON A DEDICATED CIRCUIT.
5. PROVIDE 5-15R SPLIT OR 5-20R ABOVE COUNTER RECEPTACLES FOR EVERY 900mm OF WALL SPACE BEHIND COUNTERS. COUNTER DISTANCES ARE SEPARATED BY BREAKS SUCH AS FRIDGES AND SINKS.
6. PROVIDE AN ABOVE COUNTER, GFCI DUPLEX RECEPTACLE WITHIN 1m OF WASH BASINS.
7. PROVIDE A DUPLEX RECEPTACLE FOR A DISHWASHER ON A DEDICATED CIRCUIT.
8. PROVIDE A 208V, 30A RECEPTACLE FOR A DRYER ON A DEDICATED CIRCUIT.
9. PROVIDE A DUPLEX RECEPTACLE FOR A WASHING MACHINE ON A DEDICATED CIRCUIT.
10. PROVIDE A DUPLEX RECEPTACLE IN ANY UNFINISHED/UTILITY ROOM.
11. PROVIDE A DUPLEX RECEPTACLE FOR EVERY 1.8m (6') OF FINISHED WALL SPACE, WHERE THERE IS A MINIMUM OF 900mm OF WALL SPACE. THIS LEAVES UP TO 3.6m (12') BETWEEN RECEPTACLES. BREAKS IN WALL FROM DOORWAYS, ETC. WILL BE CONSIDERED SEPARATE WALLS AND RESET THE SPACING REQUIREMENTS.
12. NOTE NOT USED.
13. PROVIDE AN EXTERIOR RECEPTACLE NEAR EACH ENTRANCE AND ONE ADDITIONAL RECEPTACLE ON FURTHEST SIDE OF RESIDENCE FOR EXTERIOR WORK.
14. PROVIDE AN EXTERNAL HOOKUP MEANS (BREAKER, LUGS, ETC.) FOR EACH PANEL. TIE EACH MOBILE GENERATOR HOOKUP MEANS INTO A 2 OR 3 POLE BREAKER (SUITED TO MATCH VOLTAGE DISTRIBUTION). ENSURE AMPERAGE IS SUITABLE TO POWER THE RESIDENCE.
15. PROVIDE A SMOKE ALARM INSIDE BEDROOMS AND NEAR BEDROOM ENTRANCES. WHERE ENTRANCES ARE WITHIN CLOSE PROXIMITY A SINGLE SMOKE ALARM IS ACCEPTABLE. PROVIDE A MINIMUM OF ONE SMOKE ALARM PER FLOOR, WHERE THERE ARE NO BEDROOMS.
16. PROVIDE A 120V CIRCUIT FOR HOOD FAN.
17. PROVIDE A DUPLEX RECEPTACLE ON A DEDICATED CIRCUIT FOR THE HRV UNIT.
18. PROVIDE A JUNCTION BOX OR LOCAL DISCONNECT ON A DEDICATED CIRCUIT NEAR THE INSTANTANEOUS WATER HEATER FOR FLEXIBLE CONNECTION.

GENERAL NOTES

1. ALL WORK TO BE DONE TO LOCAL APPLICABLE STANDARDS (OESC, OBC, CEC, NBC).
2. ALL ELECTRICAL EQUIPMENT/MATERIALS SHOULD BE CSA APPROVED PRODUCTS.
3. TYPICAL DEVICE MOUNTING HEIGHTS (TO CENTRE OF DEVICE)
   - 3.1. WALL MOUNTED RECEPTACLES- 400mm ABOVE FINISHED FLOOR
   - 3.2. ABOVE COUNTER RECEPTACLES- 175mm ABOVE COUNTER
   - 3.3. LIGHT SWITCHES- 1220mm ABOVE FINISHED FLOOR
4. DO NOT LOAD CIRCUIT TO MORE THAN 80% OF BREAKER SETTING. (EG MAX 12A ON A 15A BREAKER).
5. CONSIDER ALL HOUSEKEEPING/GENERAL USAGE RECEPTACLES TO BE 1A.
6. SPACE RECEPTACLES FROM TUB OR SHOWER 1m WHERE PRACTICAL, BUT A MINIMUM OF 0.5m.
7. ALL RECEPTACLES MOUNTED WITHIN 1.5m OF A WASH BASIN (SINK), SHALL BE PROTECTED BY A GFCI RECEPTACLE. ONE GFCI RECEPTACLE CAN BE USED TO PROTECT ADDITIONAL RECEPTACLES PROVIDED THAT THE ADDITIONAL RECEPTACLES ARE WIRED DOWNSTREAM OF THE GFCI RECEPTACLES AND LOCAL IN PROXIMITY.
8. PROVIDE WET LOCATION COVER PLATES FOR ALL EXTERIOR RECEPTACLES.
9. EXTERNAL GENERATOR HOOKUP OR ASSOCIATED BREAKER IN A PANEL SHOULD HAVE AN INTERLOCK WITH THE PANEL MAIN BREAKER. THIS ASSEMBLY WILL PHYSICALLY PREVENT THE MAIN BREAKER FROM CLOSING UNTIL THE GENERATOR SUPPLY IS DISCONNECTED (AND VICE VERSA). THIS WILL PREVENT BACK-FEEDING THE UTILITY SUPPLY WITH POWER, WHICH COULD RESULT IN A FAILURE, INJURY AND/OR HEAVY FINE TO THE BUILDING OCCUPANTS.
10. PROVIDE A BOND WIRE FROM ALL METALLIC/PORCELAIN ITEMS IN HOUSE BACK TO PANEL. BOND IN A RADIAL CONFIGURATION ONLY.
11. PROVIDE TRACE HEATING FOR ALL INCOMING AND OUTGOING WATER LINES TO PREVENT FREEZING.
12. CONDUCTORS SHALL BE COPPER, MINIMUM #14 NON-METALLIC SHEATH NMD75 CABLES.
13. GROUND CONDUCTORS SHALL BE MINIMUM #1 AND BONDING CONDUCTORS SHALL BE MINIMUM #6 WITH GREEN JACKET, WHERE EXPOSED.
14. CONDUCTOR SPLICES OR JOINTS SHALL BE MADE INSIDE A JUNCTION BOX WITH COVER.
15. ALL OUTLETS ON EXTERIOR WALL SHALL HAVE A VAPOUR BARRIER.
16. PROVIDE AFCI BREAKERS FOR ALL RECEPTACLES EXCEPT RECEPTACLES FOR STOVES, WASHING MACHINES, DRYERS, DISH WASHERS AND FRIDGES.
17. BOND THE BRAID OF HEATING CABLES TO GROUND.
18. PROVIDE A 30mA GFCI BREAKER FOR EACH HEATING CABLE CIRCUIT.
19. PROVIDE A DIRECT CONNECTION TO THERMOSTATS FOR HYDRONIC FLOOR HEATING SYSTEMS ON A DEDICATED CIRCUIT, REFER TO MECHANICAL PLANS FOR THERMOSTAT LOCATIONS.



1 / E-01 GROUND FLOOR
1:50



2 / E-01 SECOND FLOOR
1:50

NOTES

All dimensions in Metric

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PROFESSIONAL SEALS

MORRISON HERSHFIELD
Suite 200, 2932 Baseline Road
Ottawa, ON K2H 1B1
Tel: 613 739 2910

PROJECT
TECHNICAL GUIDE FOR NORTHERN HOUSING

DRAWING
TATL'AHKIME BUILDING ELECTRICAL LAYOUT

DESIGN	DATE	SCALE
JGF	2020-03-31	As Shown
DRAWN: SD	PROJECT NO. 1901150.01	
CHECKED: ACN	DRAWING NO E-01	VERSION 1
APPROVED		

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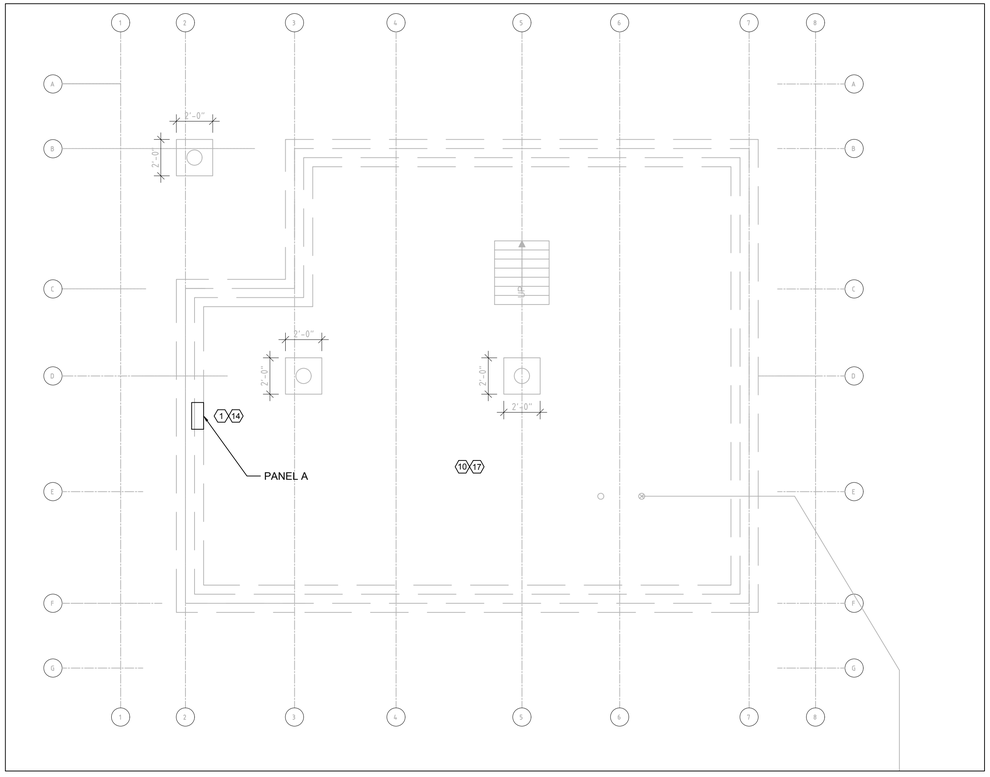

1 / E-02 CRAWLSPACE
1:50

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