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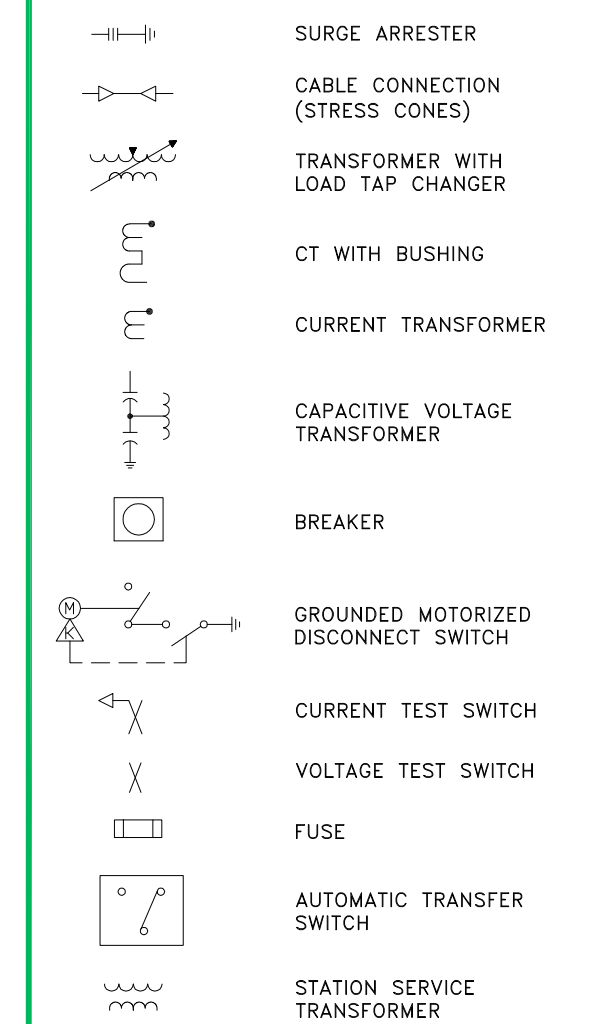
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT CGTA'S DRAWINGS AND SPECIFICATIONS.

REFERENCE NO: REFERENCE DRAWING TITLE:

- NOTES:
- NOMENCLATURE WITH A BOX REPRESENTS HYDRO ONE EQUIPMENT NUMBER.
 - DESIGN AND SPECIFICATION TO BE PROVIDED BY A HON/IESO CERTIFIED METERING PROVIDER.
 - 34.5KV GRONDING TRANSFORMER MAYBE REQUIRED ON FEEDERS.
 - TRANSFORMER HV WINDING CONFIGURATION AND GROUNDING TO BE CONFIRMED WITH HYDRO ONE AND IESO.
 - REFER TO HYDRO ONE RELAY PROTECTION DRAWINGS.
 - CONNECTION TO HYDRO ONE (FORMERLY HALDIMAND HYDRO) SUBJECT TO FURTHER STUDY TO REPLACE BACK-UP GENERATOR.

LEGEND:

- 21/21N: LINE DISTANCE RELAY
- 26: OIL THERMAL DEVICE
- 26Q: LIQUID TEMPERATURE OIL
- 27: UNDERVOLTAGE RELAY
- 46: NEGATIVE PHASE SEQUENCE RELAY
- 47: PHASE BALANCE VOLTAGE RELAY
- 49: WINDING THERMAL RELAY
- 49T: WINDING TEMPERATURE OIL
- 50T: BREAKER FAILURE
- 50P/51P: PHASE OVERCURRENT RELAY
- 50/51N: NEUTRAL OVERCURRENT RELAY
- 52: CIRCUIT BREAKER
- 53: OVERVOLTAGE RELAY
- 59N: NEUTRAL OVERVOLTAGE RELAY
- 63: PRESSURE SWITCH
- 63P: GAS PRESSURE RELIEF
- 63Q: GAS ACCUMULATION OIL
- 67/67N: DIRECTIONAL OVERCURRENT RELAY
- 71: TRANSFORMER OIL LEVEL TRIP
- 71Q: LIQUID LEVEL OIL
- 81Q: OVERFREQUENCY RELAY
- 81U: UNDERFREQUENCY RELAY
- 85: TELEPROTECTION TX RX
- 86: LOCK-OUT RELAY
- 87: DIFFERENTIAL PROTECTION
- 90: VOLTAGE REGULATOR
- 90: GENERATOR END OPEN
- TT: TRANSFER TRIP



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|------|---|-----|----------|
| A | PRELIMINARY ISSUED FOR IESO SIA HYDRO ONE CIA | DW | 17/04/08 |
| REV: | DESCRIPTION: | BY: | DATE: |

STATUS: PRELIMINARY - NOT FOR CONSTRUCTION

CGTA
CHARLES G. TURNER & ASSOCIATES LTD.
 CONSULTING ENGINEERS

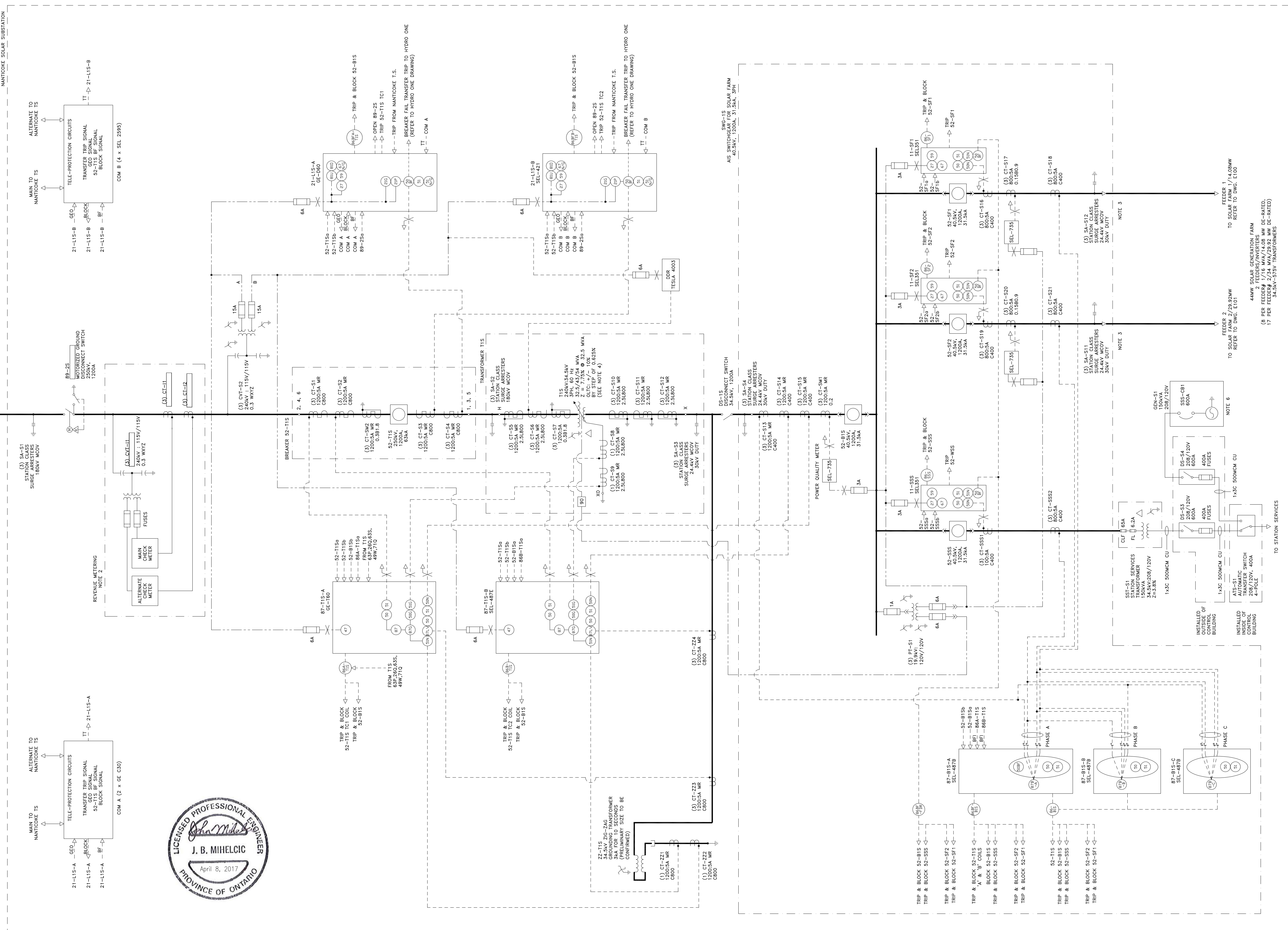
60 VENTURE DRIVE, UNIT #2, TORONTO, ONTARIO, M1B 3S4
 PHONE: (416)-283-5995 FAX: (416)-283-5996
 WEBSITE: www.cgtoeng.com

CLIENT: **NANTICOKE SOLAR**
 NANTICOKE ROAD
 NANTICOKE, ONTARIO
 N0A 1L0

PROJ: NANTICOKE SOLAR PROJECT IN HALDIMAND COUNTY, NANTICOKE, ONTARIO

TITLE: NANTICOKE SOLAR SUBSTATION SINGLE LINE DIAGRAM

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|------------------|----------------------|-------------|-------------|
| SCALE: (D-SIZE) | DATE: 17/04/08 | DRAWN: DW | CHECKED: JM |
| PROJECT NO: 2264 | DRAWING NO: 2264-E-1 | REVISION: A | |



HYDRO ONE
 NANTICOKE T.S.
 NANTICOKE SOLAR
 PROJECT INTERCONNECT

NANTICOKE SOLAR SUBSTATION