



NOTES:

1. THE PURPOSE OF THIS STANDARD IS TO PROVIDE THE REQUIREMENTS FOR CONVERTING A DELTA UNGROUNDED SUPPLY (3 PHASE, 3 WIRE ON LOADSIDE) TO A WYE GROUNDED SUPPLY (3 PHASE, 4 WIRE) WHERE THE METERING IS CHANGED TO A FOUR WIRE SYSTEM. THE NEUTRAL IS FOR METERING PURPOSES ONLY (NO NEUTRAL LOAD).
2. ALL INSTALLATIONS, WIRING, AND GROUNDING SHALL BE CODE COMPLIANT WITH ONTARIO ELECTRICAL SAFETY CODE (OESC).
3. REPLACE THE 5-JAW METER BASE WITH A 7-JAW METER BASE. FULL SIZE NEUTRAL TO BE BROUGHT TO THE METER.
4. THE METER BASE ENCLOSURE SHALL BE BONDED TO A NEW GROUNDING BLOCK INSTALLED INSIDE THE SERVICE ENTRANCE MAIN DISCONNECT SWITCH.
5. NEUTRAL WIRE SHALL BE FULL SIZED NEUTRAL SERVICE ENTRANCE CABLE.
6. AN INDIVIDUAL METERED SERVICE MAY BE SUPPLIED FOR EACH BUILDING FACILITY WHICH STANDS ALONE OR WHICH HAS READILY DEFINABLE AREAS SEPARATED BY PARTITIONS HAVING AN APPROVED FIRE RATING.
7. THE CUSTOMER MUST PROVIDE UNRESTRICTED ACCESS TO METERING AND IS REQUIRED TO PURCHASE A HORIZON UTILITIES CORP. KEY BOX TO BE INSTALLED ON SITE.
8. SPLITTER TROUGH COVER SHALL BE HINGED TO OPEN DOWNWARD AND EQUIPPED WITH PROVISION FOR PADLOCK AND SEAL.
9. SUPPLY CABLE TO BE CONNECTED RED, BLACK, BLUE, LEFT TO RIGHT INSIDE MAIN SWITCH AND XO-WHITE, X1-RED, X2-BLACK, X3-BLUE AT THE TRANSFORMER
10. A FULL-SIZED NEUTRAL SERVICE ENTRANCE CABLE SHALL BE EXTENDED FROM HORIZON UTILITIES DEMARCATION POINT TO AN INSULATED NEUTRAL TERMINAL INSIDE THE METER SOCKET WHEN SUPPLY IS 4 WIRE.
11. UNIT NUMBER MUST BE PERMANENTLY ATTACHED TO THE METER BASE WITH A NON-FADING LABEL AND CORRESPONDING SERVICE PANEL. THE UNIT NUMBER IS TO BE MARKED INSIDE THE METER BASE WITH PERMANENT MARKER BY CUSTOMER.



DRAWING STATUS	BY	DATE DD/MM/YY
DRAWN:	AESI	12/05/14
CHECKED:	RM	25/03/15
APPROVED:	DH	27/03/15

SINGLE METER CONVERSION
FROM EXISTING DELTA SERVICE TO
SOLIDLY GROUNDED WYE SERVICE

REFERENCE DRAWINGS:

DRAWINGS
NOT TO SCALE

DRAWING #
27-51

SHEET#	REVISION#
1	0