LEGEND:

ALL EXISTING EQUIPMENT TO REMAIN ARE SHOWN WITH DASHED LINES

ALL NEW EQUIPMENT ARE SHOWN WITH SOLID LINES

CONDUIT

POWER CABLE

EXISTING CABLE TRAY

CONTROLS

SECTION #1 | SECTION #2 | SECTION #1 | SECTION #2 | SECTION #1 | SECTION #2
T-EB | 208/120V DB | T-BB | 208/120V DB | T-BA | 208/120V DB

PANEL 'EB'
600/120-208V
112.5kVA 3ø 4W

PANEL 'BB'
600/120-208V
225kVA 3ø 4W

PANEL 'BA'
600/120-208V
225kVA 3ø 4W

450mm CABLE TRAY

POWER CABLE CLAMPED TO CEILING

450mm CABLE TRAY

450mm CABLE TRAY

450mm CABLE TRAY

ATS-2 | ATS-1 | CELL #3 | CELL #4 | CELL #5 | CELL #6 | CELL #7 | CELL #8

EMERGENCY SWITCHGEAR AND AUTOMATIC TRANSFER SWITCH

450mm CABLE TRAY

450mm CABLE TRAY

EXISTING 13.8kV SWBD

610mm CABLE TRAY

305mm CABLE TRAY

52-02 LB-8 | 52-01 LB-7

13.8kV SWITCHGEAR

CDP N1A - 800A

CDP E1A - 1200A

NEW 600V SWBD 1A

RECONNECT ALL FEEDERS TO NEW SWBD 1A

EXISTING 600V SWBD 1A

CDP N2B - 800A

CDP E2B - 1200A

NEW 600V SWBD 2B

RECONNECT ALL FEEDERS TO NEW SWBD 2B

EXISTING 600V SWBD 2B

305mm CABLE TRAY

53mm CONDUIT (RE-ROUTED)

610mm CABLE TRAY

MCC EH

ATS #4 | PFC-2B | PFC-1A

SECTION #2 208/120V DB | SECTION #1 T-CA

PANEL 'CA'
600/120-208V
225kVA 3ø 4W

NOTES:

1. ELECTRICAL EQUIPMENT, POWER CABLES AND CONDUIT LOCATIONS AND DIMENSIONS ARE NOT TO SCALE.
2. ALL POWER CABLES, CABLE TRAYS AND CONDUIT SHOWN ARE PLANNED FOR REUSE. CONTRACTOR TO MEASURE AND REUSE FOR PROJECT. EXTEND EXISTING CABLE TRAY AS REQUIRED.
3. MOST POWER CABLES BETWEEN EQUIPMENT ARE IN CABLE TRAYS OR ARE SUPPORTED FROM THE CEILING.
4. ALL NEW DISTRIBUTION TRANSFORMERS AND 208/120V DISTRIBUTION BOARDS TO BE PLACED INTO THE EXISTING DISTRIBUTION TRANSFORMER AND 208/120V DISTRIBUTION BOARD ENCLOSURES.
5. 13.8kV SWITCHGEAR HEIGHT SHOULD NOT EXCEED 1727mm. POWER CABLES TO BE TOP ENTRY AND TOP EXIT.

Canada

Public Works and Government Services Canada | Travaux publics et services gouvernementaux Canada
Real Property Branch | Direction générale des biens immobiliers

LEGEND

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LICENSED PROFESSIONAL ENGINEER J.P. ISAAC PROVINCE OF ONTARIO

Stamp

Stamp

Date	Revision
2016/04/27	Issued for Tender
2016/04/25	Issued for Tender
2016/03/30	Issued for Tender
2016/03/11	Re-Issued for 100% Review and Translation
2016/02/26	Issued for 100% Review and Translation
2016/02/19	Issued for Tender
2016/01/08	Issued for 99% submission
2015/12/17	Issued for 66% submission
2015/08/21	Issued for RS 2.0

Stamp

project / projet

CFIA
Olf Electrical Upgrades

drawing / dessin

PART FLOOR PLAN ELECTRICAL ROOM NEW CONSTRUCTION - PHASE 2

Drawn By: S.S.
Date 2015-06-24
Reviewed By: P.I.
Date 2016-01-25
Project no. / No. du projet: M10139
Drawing no. / No. du dessin: E2-06