

- 1.1 ELECTRICAL SPECIFICATIONS**
1. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE, SUBMIT AND FACILITATE ALL ITEMS RELATED TO MANITOBA HYDRO EFFICIENCY MANITOBA PROGRAM INITIATIVES.
2. ALSO REFER TO ARCHITECTURAL AND MECHANICAL SPECIFICATIONS AND OTHER GENERAL CONDITIONS.
3. PROVIDE FOR A COMPLETE AND WORKING INSTALLATION AS HEREIN SPECIFIED AND AS SHOWN ON THE DRAWINGS.
4. THE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE, PROVINCIAL AND MUNICIPAL CODES AND REGULATIONS.
5. OBTAIN ALL PERMITS, APPROVALS AND PAY ALL RELATED FEES REQUIRED FOR THIS INSTALLATION.
6. ALL EQUIPMENT SUPPLIED UNDER THIS CONTRACT SHALL BE NEW AND BE C.S.A. APPROVED.
7. COORDINATE ALL CONDUIT RUNS AS SPECIFIED OR AS PER CONTRACT ADMINISTRATOR BEFORE INSTALLATION BEGINS.
8. ARRANGE FOR, AND COORDINATE, ROUGH-IN AND FINAL INSPECTIONS WITH INSPECTION AUTHORITIES AND CONTRACT ADMINISTRATOR.

- 1.2 EXAMINATION**
1. EXAMINE ARCHITECTURAL AND MECHANICAL DRAWINGS TO ENSURE WORK UNDER THIS CONTRACT CAN BE SATISFACTORILY CARRIED OUT. REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR.
2. THE CONTRACTOR SHALL EXAMINE THE SITE, LOCAL CONDITIONS AND CONSIDER HOW THEY MAY AFFECT THE PROJECT.
- 1.3 SUPERVISION**
1. SUPERVISE THE WORK AT ALL TIMES THROUGH A RESPONSIBLE AND COMPETENT JOURNEYMEN ELECTRICIAN / SUPERVISOR.
2. FULL COOPERATION SHALL BE SHOWN WITH OTHER TRADES TO FACILITATE INSTALLATIONS AND TO AVOID DELAYS IN CARRYING OUT THE WORK.

- 1.4 ACCURACY OF DATA**
1. DRAWINGS ARE SCHEMATIC, EXACT LOCATIONS, DISTANCES, LEVELS AND OTHER DIMENSIONS SHALL BE GOVERNED BY THE BUILDING AS CONSTRUCTED.
2. OUTLETS OR EQUIPMENT SHALL BE MOVED TO ANY POINT WITHIN A 10' RADIUS WHEN RELOCATION IS REQUESTED BY THE CONTRACT ADMINISTRATOR BEFORE THE WORK HAS BEEN SUBSTANTIALLY COMPLETED, WITHOUT ADDITIONAL COST.
3. BRANCH CIRCUIT WIRING SHALL BE INSTALLED WITH CIRCUITS ARRANGED EXACTLY AS SHOWN ON THE DRAWINGS. CONDUIT AND CABLE RUNS MAY BE MODIFIED TO SUIT THE INSTALLATION.

- 1.5 APPROVAL OF MATERIAL**
1. REQUEST FOR APPROVAL OF MATERIAL AS EQUALS OR ALTERNATES TO THAT SPECIFIED SHALL BE SUBMITTED TO THE CONTRACT ADMINISTRATOR IN ACCORDANCE WITH BB.

- 1.6 SHOP DRAWINGS**
1. PROVIDE SHOP DRAWINGS FOR REVIEW BY THE CONTRACT ADMINISTRATOR. THE SHOP DRAWINGS MUST BE ASSEMBLED INTO COMPLETE BROCHURES.

2. THE REVIEW OF THE SHOP DRAWINGS IS FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THE REVIEW SHALL NOT MEAN APPROVAL OF THE DETAILED DESIGN INHERENT IN THE EQUIPMENT, THE RESPONSIBILITY FOR WHICH SHALL REMAIN WITH THE CONTRACTOR. THE REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR CONFIRMING AND CORRELATING THE DIMENSIONS ON THE JOBSITE, AND FOR INFORMATION THAT PERTAINS TO THE FABRICATION PROCESS, CONSTRUCTION TECHNIQUES, AND INSTALLATION DETAILS, AND FOR COORDINATING ALL WORK OF THE RELATED SUB-TRADES.

3. FABRICATION OF EQUIPMENT SHALL NOT COMMENCE UNTIL SHOP DRAWINGS OF SUCH EQUIPMENT HAVE BEEN REVIEWED AND APPROVED BY THE CONTRACT ADMINISTRATOR. TWO SETS SHALL BE SUBMITTED WITH LOCAL INSPECTION DEPARTMENT APPROVAL WHERE REQUIRED.

4. THE ELECTRICAL SUB-CONTRACTOR SHALL REVIEW ALL MECHANICAL SHOP DRAWINGS - INCLUDING ELECTRICAL CONNECTION - AND COORDINATE VOLTAGE AND SIZES WITH DIVISION 23 AND CONTRACTOR.

- 1.7 AS-BUILT DRAWINGS**
1. KEEP A RECORD SET OF DRAWINGS ON-SITE AT ALL TIMES RECORDING ANY CHANGES THAT MAY OCCUR. SUBMIT THESE REDLINE DRAWINGS TO THE CONTRACT ADMINISTRATOR UPON COMPLETION OF THE WORK. AS-BUILTS SHALL INCLUDE TAGGING EXISTING AND NEW CIRCUITS AND EQUIPMENT.

2. SUBMIT A CERTIFICATE OF INSPECTION FROM THE LOCAL INSPECTION AUTHORITY UPON COMPLETION OF WORK.

3. THE CONTRACT ADMINISTRATOR RESERVES THE RIGHT TO RECOMMEND A PORTION OF THE CONTRACT FUNDS BE WITHHELD PENDING SUBMISSION OF ACCEPTABLE ON-SITE REDLINE DRAWINGS.

- 1.8 TESTING**
1. THE ELECTRICAL INSTALLATION SHALL BE COMPLETELY TESTED DEMONSTRATING THE EQUIPMENT AND SYSTEMS INSTALLED PERFORM IN THE MANNER INTENDED.
- 1.9 GUARANTEE**
1. THE SATISFACTORY OPERATION OF ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF 12 CALENDAR MONTHS AFTER FINAL ACCEPTANCE OF THE BUILDING.

- 1.10 REQUEST FOR CHANGE**
1. ALL QUOTATIONS IN RESPONSE TO REQUEST FOR CHANGE SHALL BE SUBMITTED COMPLETE WITH AN ITEMIZED COST BREAKDOWN OF ALL MATERIALS AND LABOUR REQUIRED IN THE CHANGE.

- 1.11 GROUNDING**
1. THE ENTIRE INSTALLATION SHALL BE GROUNDED INCLUDING EARTH GROUNDING IN ACCORDANCE WITH THE LATEST EDITION OF CANADIAN ELECTRICAL CODE (CEC) AND AS SHOWN ON DRAWINGS. ENSURE GROUND RESISTANCE IS SUITABLE FOR GRID LOCATION.
2. PROVIDE GROUNDING TO ALL RACEWAYS & EQUIPMENT TO CEC.

3. WIRE CONNECTORS; TWIST-ON, BOLT-ON PRESSURE TYPE FOR #10 & SMALLER, HYPRRESS COMPRESSION TYPE FOR #8 & LARGER.

4. INSTALL SEPARATE "GREEN" GROUND CONDUCTOR IN SAME CONDUIT WITH CIRCUIT (POWER WIRING) CONDUCTORS. BOND SECURELY TO GROUND SCREW IN EACH OUTLET, JUNCTION, PULL BOX & EQUIPMENT ENCLOSURE GROUND CONDUCTOR EQUAL IN AMPACITY TO SIZE OF CIRCUIT AMPACITY OR IN ACCORDANCE WITH CODE FOR EQUIPMENT GROUNDING.

5. PROVIDE BONDING & DEDICATED GROUNDING CABLE DIRECTLY TO MAIN GROUND FOR ALL ELECTRICAL DISTRIBUTION EQUIPMENT AS PER LATEST EDITION OF CANADIAN ELECTRICAL CODE (CEC).

- 1.12 WORKMANSHIP**
1. INSTALL EQUIPMENT, CONDUIT AND CABLES IN A WORKMANLIKE MANNER TO PRESENT A NEAT APPEARANCE TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR. INSTALL CONDUITS AND CABLES RUNS PARALLEL AND/OR PERPENDICULAR TO BUILDING GRID LINES & COLUMNS IN CEILING SPACES, CHASES & BEHIND FURRING. IN AREAS WHERE SYSTEMS ARE TO BE EXPOSED, INSTALL NEATLY AND GROUP TO PRESENT A TIDY APPEARANCE.

2. INSTALL EQUIPMENT AND APPARATUS REQUIRING MAINTENANCE, ADJUSTMENT OR EVENTUAL REPLACEMENT WITH ADEQUATE CLEARANCES AND ACCESSIBILITY FOR SAME.

3. INCLUDE, IN THE WORK, ALL REQUIREMENTS SHOWN ON THE SHOP DRAWINGS OR MANUFACTURERS' INSTALLATION INSTRUCTIONS.

4. REPLACE WORK UNSATISFACTORY TO THE CONTRACT ADMINISTRATOR WITHOUT EXTRA COST.

5. TIE WRAPS FOR WIRE HANGING AND FASTENING IS NOT ACCEPTABLE. PERFORATED STRAPPING IS ALSO UNACCEPTABLE. ALL ELECTRICAL COMPONENTS MUST BE SUPPORTED INDEPENDENTLY.

6. ALL ELECTRICAL SUPPORTS AND HANGERS SHALL CONFORM TO LATEST EDITION OF CANADIAN ELECTRICAL CODE AND/OR MANUFACTURERS' INSTALLATION INSTRUCTIONS.

## 2.0 MATERIALS AND INSTALLATION

### 2.1 OUTLET BOXES

1. OUTLET, JUNCTION AND SWITCH BOXES SHALL BE GALVANIZED PRESSED STEEL OF SIZE AND TYPE TO SUIT EACH INDIVIDUAL APPLICATION.

### 2.2 WIRING METHODS

1. UNLESS OTHERWISE INDICATED, ALL WIRING SHALL BE COPPER, MINIMUM #12 AWG WITH 90 DEGREES CELSIUS X-LINK INSULATION.

2. ALL WIRING TO BE INSTALLED IN WALL CAVITIES OR CLIPPED TO STRUCTURE WHERE NO CAVITY IS PRESENT. ALL CONDUCTORS AND CONDUITS SHALL BE RUN PERPENDICULAR OR PARALLEL TO THE BUILDING CORE WALLS.

3. CONDUITS, CABLES AND WIRING SHALL BE GROUPED WHERE POSSIBLE AND CLIPPED IN A NEAT AND WORKMANLIKE MANNER.

### 2.3 IDENTIFICATION OF EQUIPMENT

1. ALL EQUIPMENT SHALL BE IDENTIFIED WITH 1/2" WIDE (1/4" LETTERS) ENGRAVED LAMACOD NAMEPLATES INDICATING PANEL AND CIRCUIT NUMBER. LAMACODS SHALL BE EITHER SCREWED OR NUTTED IN PLACE. FOR NORMAL POWER, LAMACODS SHALL BE BLACK LETTERING ON WHITE FACE. FOR EMERGENCY POWER, LIFE SAFETY AND FIRE ALARM DEVICES, WHITE LETTERING ON RED FACE.

2. PROVIDE 1" X 3" ENGRAVED LAMACOD (1/2" BLACK LETTERING ON WHITE FACE) FOR PANEL INDICATE VOLTAGE, PHASE, # WIRES INCLUDING A TYPED PANEL LIST IN A TRANSPARENT LIST HOLDER AFFIX TO THE INSIDE OF THE PANEL DOOR.

## RENOVATION NOTES " [X]"

ALSO SEE NOTES & SPECIFICATIONS.

ALL WIRING SHALL BE CONCEALED BEHIND WALLS & FASTENED ABOVE TIE BEAMS.

- PROVIDE ELECTRICAL PANEL "100".
  - RECONNECT WITH EXISTING U/G CABLE VIA NEW PVC CONDUIT SLEEVE (BY STRUCTURAL) IN NEW CONCRETE FLOOR. COORDINATE SITE WORK TO ALLOW ALIGNMENT OF U/G CABLE TO NEW GARAGE CONCRETE FLOOR.
  - SECURELY MOUNT PANEL "100" TO INTERIOR PLYWOOD. PAINT ENTIRE PLYWOOD SHEET WITH GREY FIRE RETARDANT PAINT.
  - MOUNT PANEL "100" WITH TOP AT 72" AFF.
  - PROVIDE COORDINATED TRIPS & SETTINGS FOR ALL BREAKERS.
- PROVIDE (EF-1) CIRCUIT & INTERLOCK WITH (CONQ2) & (MD-1).
- PROVIDE DEDICATED 120V, 15 AMP CIRCUIT FOR NEW STANDALONE DUAL-GAS DETECTORS (CO & NO<sub>2</sub>).
  - SUPPLY & INSTALL HONEYWELL MODEL E3POINT WITH REMOTE & OPTIONAL MAIN AC INPUT WITH ON-BOARD RELAYS, TRANSFORMER, MOUNT AT 48" AFF & BFC. WIRE TO NEW RELAYS INTERLOCK WITH (EF-1) & (MD-1) WITH LOW-VOLTAGE TRANSFORMERS.
  - MOTORIZED DAMPER SIZE TO SUIT. REFER TO MECHANICAL DRAWINGS.
    - TYPE: THERMALLY BROKEN FRAME DAMPER, ACCEPTABLE MANUFACTURER, TAMCO SERIES 9000, VENTEX/CONTINENTAL FAN, ALUMAVENT, CONFIRM WITH MECHANICAL.
    - MOTORIZED DAMPER ACTUATOR: ACCEPTABLE MANUFACTURER, BELIMO, ALUMAVENT.
- PROVIDE (SC) RECEPTACLE FOR WALL MOUNT BATTERY BACKUP GARAGE DOOR OPERATOR (DO-1), CHAMBERLAIN MODEL RJ0101, C/W AUTOMATIC REMOTE LED LIGHT (TYPE "C", DO-1), AUTOMATIC GARAGE DOOR LOCK, CABLE TENSION MONITOR, MOTION DETECTING CONTROL PANEL, BATTERY BACKUP, SAFETY REVERSING SENSORS, SENDING SENSORS, RECEIVING SENSORS, WIRING, CONNECTORS, HARDWARE, BRACKETS. INSTALL AS PER MANUFACTURERS INSTRUCTIONS.
- PROVIDE EQUIPMENT RECEPTACLES, 240V.
- PROVIDE EMERGENCY BATTERY BANK 2-HEAD UNIT. WIRE & CONNECT TO AREA LIGHTING CIRCUIT TO VOLTAGE ZONE SENSING RELAY.
- WIRE WEST CORNER (PE) TO BOTH TYPE "B", EAST CORNER (PE) TO BOTH TYPE "C", EXTERIOR LUMINAIRES, DO NOT WIRE TYPE "B" & "C" TO THE SAME (PE). PROGRAMMING LIGHTING/DIMMING CONTROL BY RD SALES. MOUNT (PE) DIRECTLY THROUGH A 1/2" KNOCKOUT TO AN (WP) JUNCTION BOX (PROVIDE REQUIRED BOX & MOUNTING HARDWARE) AT UNDERSIDE CORNER OF ROOF TO PROVIDE MAXIMUM 300" SENSOR COVERAGE PATTERN. CONFIRM LOCATION WITH CONTRACT ADMINISTRATOR.
- MOUNT INTERIOR LUMINAIRES TO UNDERSIDE OF TIE-BEAM. SET TO 5000 LUMENS & 4000°K.

## 2.4 DEVICES

1. COLORS OF RECEPTACLES, SWITCHES, OUTLETS SHALL BE BLACK WITH SGT COVER PLATES, UNLESS NOTED OTHERWISE.

2. SWITCHES SHALL BE COMMERCIAL QUALITY, HUBBELL, ARROW HART, BRYANT, LEVITON, WOODHEAD, PASS & SEYMOUR, 15 AMPS, 125/347 VAC. MOUNT RECEPTACLES & SWITCHES 42" AFF, UNLESS OTHERWISE NOTED.

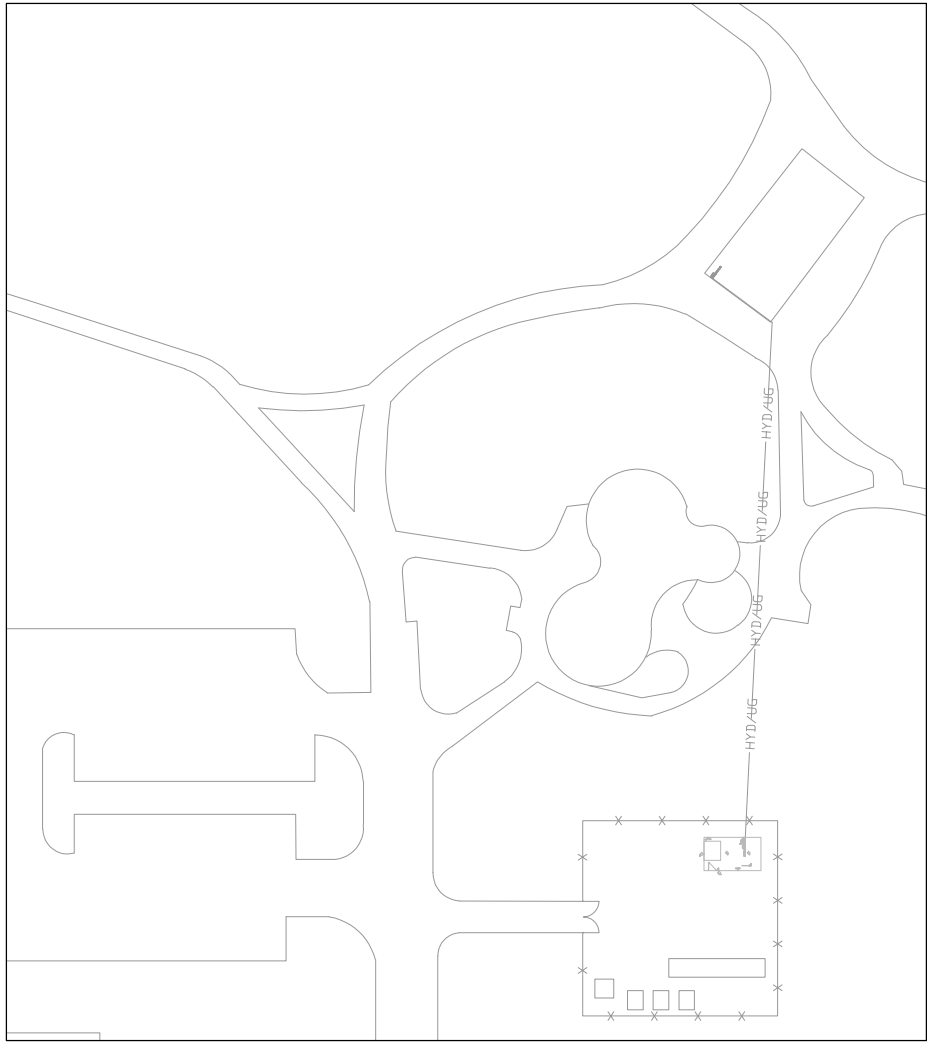
## 2.5 EQUIPMENT

- ALL EQUIPMENT TO BE RATED & SUPPLIED TO COORDINATE WITH ALL POSSIBLE FAULT CONDITIONS PRESENT AT SITE.
- SURFACE MOUNTED COMBINATION PANEL BOARD. TRIM & DOOR TO BE BAKED GRAY.
- CONNECT NEUTRAL CONDUCTORS TO COMMON NEUTRAL BUS WITH RESPECTIVE CIRCUIT(S) IDENTIFIED.
- BREAKER MINIMUM INTERRUPTING RATING (SYMMETRICAL RMS VALUES) SHALL NOT BE LESS THAN (XKAC) HALF-SIZED BREAKERS ARE PERMITTED.
- ALSO SEE ELECTRICAL SUB-PANEL SCHEDULE FOR MAKE AND MODEL. ACCEPTABLE COMBINATION PANEL BOARD MANUFACTURER: EATON, SCHNEIDER, SQUARE D.
- STANDALONE DUAL-GAS DETECTORS (CO & NO<sub>2</sub>) - HONEYWELL E3.
- MOTORIZED DAMPER ASSEMBLY - BELIMO.

| SUB-PANEL '100'   |  |      |     |    |    |       |      |                                    |   |
|---|--|------|-----|----|----|-------|------|------------------------------------|---|
| NOTES:  | DESCRIPTION  | VA   | BKR | 1  | 2  | 3     | 4    | 5                                  | 6 |
|   | LIGHTING, INTERIOR-EXTERIOR + EMERGENCY                | 318  | 15  | 1  | 2  | 15    | 480  | RECEPTACLE, SC (JON DOOR OPERATOR) |   |
|   | EXHAUST FAN (EF-1) (DAMPERS (MD-1) GAS SENSOR (CONQ2)) | 404  | 15  | 3  | 4  | 20    | 1500 | RECEPTACLE, EXTERIOR               |   |
|   | RECEPTACLES, INTERIOR                                  | 1200 | 15  | 5  | 6  |       |      | SPACE                              |   |
|   | RECEPTACLE, SC (MICROWAVE)                             | 800  | 15  | 7  | 8  |       |      | SPACE                              |   |
|   | SPACE  |      |     | 9  | 10 | 30-AP | 2228 | RECEPTACLE, EQUIPMENT (240V)       |   |
|   | SPACE  |      |     | 11 | 12 |       |      |                                    |   |
|   |  | 2720 |     |    |    |       | 4218 |                                    |   |
| 12 SPACES/ 24 CIRCUITS PANEL SHOWN, SIMILAR TO DISCONTINUED SCHNEIDER HOMELINE CHQM1224M002C OR EQUAL |  |      |     |    |    |       |      |                                    |   |
| ELECTRICAL SUB-PANEL SCHEDULE - NEW   |  |      |     |    |    |       |      |                                    |   |

| LUMINAIRE, SWITCH & LIGHTING CONTROL SCHEDULE |              |  |                              |   |
|---|--------------|--|------------------------------|---|
| TYPE  | MANUFACTURER | CATALOGUE No.  | LAMP                         | DESCRIPTION   |
| 1-A   | LITHONIA     | CSS L48 AL03 MVOLT SWW3 80CRI                          | 3000/4000/5000LM 35K/40K/50K | 4' LED STRIP LIGHT, SWITCHABLE LUMENS, SWITCHABLE WHITE, 120-277V, WHITE  |
| 1-B   | LITHONIA     | ARC2 LED P5 40K MVOLT DMG DDBXD                        | 6500LM 4000K                 | ARCHITECTURAL WALL LUMINAIRE, MVOLT, 0-10V DIMMING WIRES PULLED OUTSIDE FIXTURE (FOR USE WITH AN EXTERNAL CONTROL - rSBOR SENSOR), DARK BRONZE  |
| 1-C   | JUNO         | JPD26 DC AL010 SWW 5WD 90CRI JPDZ8NCMF, MVOLT ZT10 WWH | 700,1000,1200LM 2700-5000K   | 6" DOWNLIGHT, ADJUSTABLE LUMEN OUTPUTS, SWITCHABLE COLOUR TEMPERATURE, 0-10V DIM, 120-277V, WHITE, NEW CONSTRUCTION MOUNTING FRAME.   |
| 1-D   | CHAMBERLAIN  | INCLUDED WITH GARAGE DOOR OPENER CHAMBERLAIN RJ0101    | 1500LM                       | SMART LED LIGHT, SECURITY+ 2.0 TRI-BAND, myQ COMPATIBILITY, 8"x8"x2.5", 120V CORD.  |
| 1-E   | ACUTY        | rSBOR 10 IM BK G2                                      |                              | nLIGHT AIR (WIRELESS) OUTDOOR POLE/FIXTURE MOUNT MOTION & PHOTO SENSOR, LOW MOUNT(8-15 FT), 120-277V, SHORT EXTENSION, LOW BACK, CURRENT MONITORING, BLACK, GENERATION 2 COMPATIBILITY. |
| 1-F   | AIMLITE      | CSRP 12 36 U 2 MB 5WLA                                 |                              | POWER/RELAY PACK, nLIGHT AIR RPP20-XXX-EFP-G2, "XXX" TO SUIT DIMMING & VOLTAGE OUTPUTS.   |
|   |              |  |                              | EMERGENCY SIGN/BATTERY COMBINATION UNIT, 120-12V  |

ALL NEW LIGHTING LUMINAIRES AND COMPONENTS SHALL BE MANITOBA HYDRO EFFICIENCY QUALIFIED/APPROVED.



**SITE PLAN - EXISTING**  
SCALE: N.T.S.

| ABBREVIATIONS |   |
|---------------|---|
|               | DESCRIPTION                                     |
| A             | AMPERE, AMPACITY                                |
| AFF           | ABOVE FINISH FLOOR                              |
| AFG           | ABOVE FINISH GRADE (DRIVE)                      |
| CB            | CIRCUIT BREAKER                                 |
| CCT           | CIRCUIT, CCT: C-PANEL "B", CT= CIRCUIT "Y" (B1) |
| CEC           | CANADIAN ELECTRICAL CODE, LATEST EDITION        |
| D             | DEMOLITION, REMOVE BACK TO SOURCE               |
| DSW           | DISCONNECT SWITCH                               |
| DWG           | DRAWING   |
| E             | EXISTING OR "NO DESIGNATION"                    |
| EM            | ELECTRICITY METER                               |
| GF            | GROUND FAULT CIRCUIT INTERRUPTER                |
| JB            | JUNCTION BOX                                    |
| N             | NEW   |
| N.I.C.        | NOT IN CONTRACT                                 |
| NTS           | NOT TO SCALE                                    |
| O/C           | ON CENTER                                       |
| PNL           | PANEL   |
| R             | RELOCATE  |
| TBD           | TO BE DETERMINED                                |
| SC            | SEPARATE CIRCUIT                                |
| TYP.          | TYPICAL   |
| WP            | WEATHERPROOF                                    |

| ELECTRICAL LEGEND |   |
|-------------------|---|
| TYPE              | DESCRIPTION   |
| PNL "100"         | ELECTRICAL PANEL  |
| GF (WP)           | GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE/WEATHERPROOF |
| ⊕                 | DUPLEX RECEPTACLE   |
| ⊕                 | RECEPTACLE, 240V  |
| ⊕                 | MOTOR STARTER/DISCONNECT SWITCH                                 |
| ⊕                 | DAMPER ASSEMBLY WITH ACTUATOR                                   |
| ⊕                 | DUAL-GAS DETECTOR   |

- GENERAL NOTES:
- THESE DRAWINGS SHALL NOT BE SCALED. CONSULT WITH CLIENT AND DESIGNER ON ANY CONCERNS.
  - SUBMISSION OF SITE MARK-UPS, AS-BUILTS, OPERATING & MAINTENANCE MANUALS AND OTHER SUPPORTING DOCUMENTS TO CLIENT ARE MANDATORY AT THE COMPLETION OF THIS PROJECT.
  - THE CONTRACTOR SHALL VISIT THE SITE AND ENSURE ALL DIMENSIONS, DATUM, AND DETAILED INFORMATION SHOWN ARE CORRECT.
  - THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL MECHANICAL AND ELECTRICAL COMPONENTS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCTS, PIPES & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.
  - ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS, APPLICABLE CODES AND AUTHORITY HAVING JURISDICTION.

|     |   |     |            |
|-----|---|-----|------------|
| 2   | ISSUED FOR ADDENDUM 3, REVISED LOAD CENTRE DESCRIPTION FOR 40A WAS CHQM1224M002C. BREAKER 10 kAIC WAS 22kAIC                | DTA | 2025-07-24 |
| 1   | REMOVED BRANCH CIRCUIT 100-3 (2) RECEPTACLES FROM 100-5 100-7 WAS 20A CB. REDUCED LOADS ON 100-7, 100-2, 100-4 & 100-10, 12 | DTA | 2025-06-03 |
| 0   | ISSUED FOR CONSTRUCTION   | DTA | 2025-05-01 |
| A   | ISSUED FOR REVIEW   | DTA | 04-28-2025 |
| No. | REVISION/DESCRIPTION  | BY  | DATE       |



|                  |                |               |             |              |
|------------------|----------------|---------------|-------------|--------------|
| DATE: 2025.04.02 | DESIGN BY: DTA | DRAWN BY: DTA | CHECKED BY: | APPROVED BY: |
|------------------|----------------|---------------|-------------|--------------|



PROJECT  
**PARKS & OPEN SPACE DIVISION**  
**BUNN'S CREEK PARK - STORAGE GARAGE**

365 McIVOR AVENUE

SHEET TITLE  
**SITE AND FLOOR PLANS**  
**ELECTRICAL - DEMO AND RENO**  
**POWER AND SPECIFICATIONS**

|                   |                         |                           |
|-------------------|-------------------------|---------------------------|
| SCALE<br>AS SHOWN | PROJECT No:<br>2023-049 | SHEET No:<br><b>E1-R2</b> |
|-------------------|-------------------------|---------------------------|