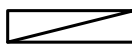
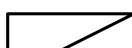
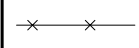
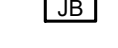
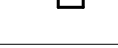
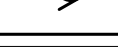


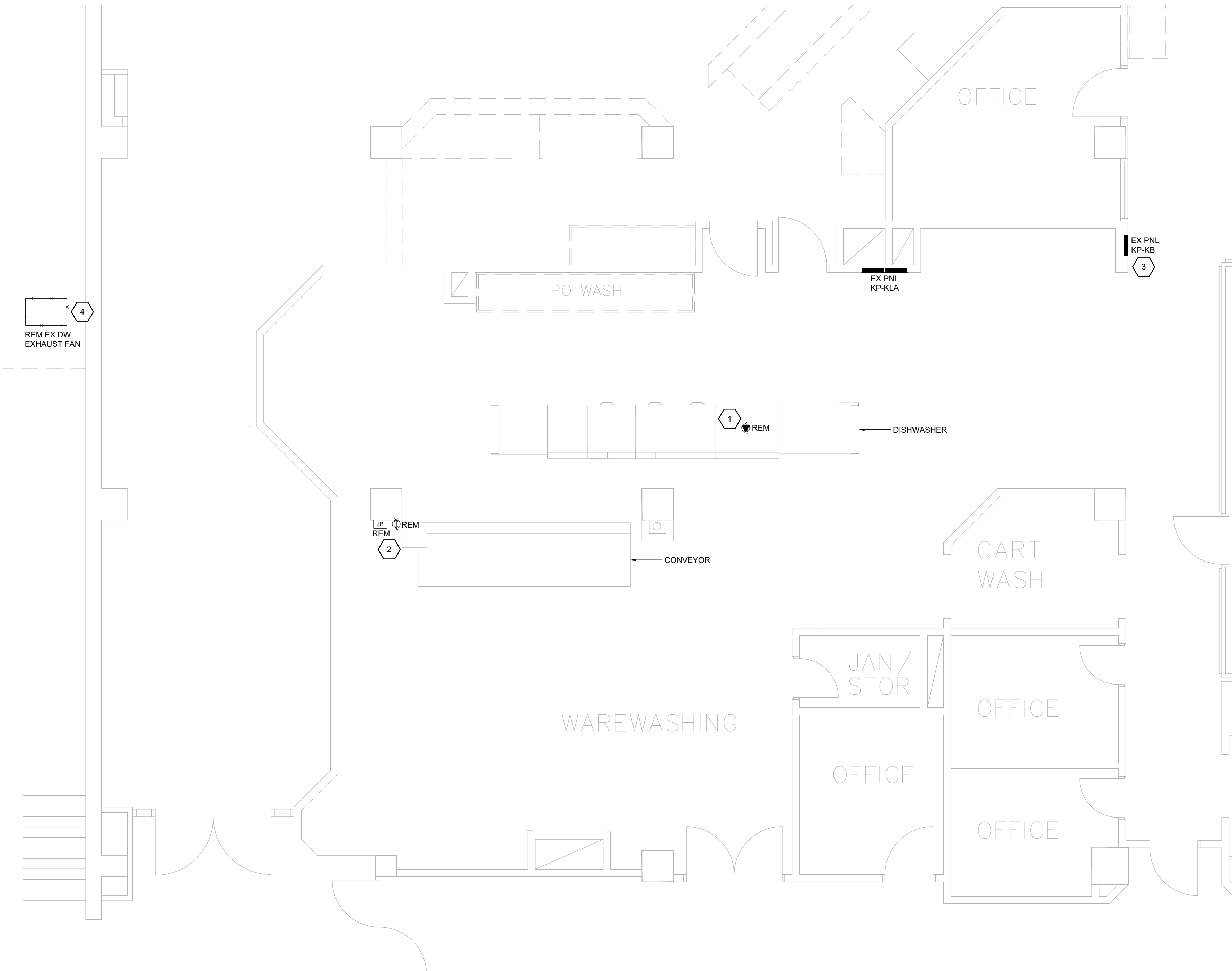
| ELECTRICAL TAG/NAME LEGEND |                                             |
|----------------------------|---------------------------------------------|
| SYMBOL                     | DESCRIPTION                                 |
| EX                         | EXISTING TO REMAIN                          |
| REM                        | REMOVE EXISTING                             |
| REL                        | RELOCATE EXISTING                           |
| ER                         | EXISTING AS RELOCATED                       |
| REP                        | REPLACE EXISTING WITH NEW FIXTURE OR DEVICE |

| LIGHTING LEGEND                                                                   |                           |
|-----------------------------------------------------------------------------------|---------------------------|
| SYMBOL                                                                            | DESCRIPTION               |
|  | RECTANGULAR LIGHT FIXTURE |
|  |                           |

| RECEPTACLE LEGEND                                                                 |                   |
|-----------------------------------------------------------------------------------|-------------------|
| SYMBOL                                                                            | DESCRIPTION       |
|  | SINGLE RECEPTACLE |

| ELECTRICAL LINE TYPE LEGEND                                                       |             |
|-----------------------------------------------------------------------------------|-------------|
| SYMBOL                                                                            | DESCRIPTION |
|  | DEMOLITION  |
|  | EXISTING    |
|  | NEW         |

| EQUIPMENT AND CONNECTION LEGEND                                                   |                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------|
| SYMBOL                                                                            | DESCRIPTION                                         |
|  | ELECTRICAL PANEL                                    |
|  | DIRECT CONNECTION                                   |
|  | JUNCTION BOX                                        |
|  | DISCONNECT                                          |
|  | CONNECTION TO MOTOR OR MOTORIZED PIECE OF EQUIPMENT |



## PARTIAL LEVEL 0 DEMO PLAN - POWER & SYSTEMS

SCALE: 1:50

### GENERAL NOTES: (APPLICABLE TO ALL DRAWINGS)

- PROTECT ALL INTERIOR AND EXTERIOR FINISHES, CEILINGS, WALLS, FLOORS, ETC FROM DAMAGE DUE TO THE WORK OF THIS DIVISION.
- INFORMATION RELATED TO EXISTING CONDITIONS IS TAKEN FROM ORIGINAL AS-BUILT DRAWINGS AND LIMITED VISUAL SITE REVIEW. CONFIRM ALL EXACT DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE CONSULTANT.
- REPAIR ANY DAMAGE CAUSED BY THE ELECTRICAL TRADE TO EXISTING BUILDINGS OR EQUIPMENT, ETC., TO THE CONSULTANT SATISFACTION. UPON COMPLETION OF THE WORK, CLEAN ALL EQUIPMENT AND REMOVE FROM THE SITE ALL ELECTRICAL DEBRIS.
- PROVIDE LEGIBLE SIGNS AND BARRIERS ON OR AROUND ALL LIVE PANELS AND EQUIPMENT DURING CONSTRUCTION TO PREVENT INJURY OR SHOCK. DISCONNECT AND/OR ISOLATE ALL ELECTRICAL EQUIPMENT EFFECTED BY WORK OF THIS DIVISION. PROVIDE AND COORDINATE DANGER TAGS WITH OWNER FOR ALL EQUIPMENT THAT WILL REMAIN ENERGIZED DURING CONSTRUCTION.
- SCHEDULE AND PHASE DEMOLITION AND NEW WORK TO REDUCE INTERFERENCE AND DOWNTIME OF EXISTING SYSTEMS. NOTIFY OWNER'S REPRESENTATIVE OF ALL DOWNTIME MINIMUM 72 HRS PRIOR TO PROCEEDING WITH WORK. MAINTAIN SERVICES TO ALL AREAS NOT UNDER CONSTRUCTION, MODIFY OR EXTEND WIRING AND CONDUIT AS REQUIRED.
- DO NOT SCALE DRAWINGS. OBTAIN ALL DIMENSIONS FROM EXISTING ARCHITECTURAL PLANS, SITE INSPECTIONS, AND MANUFACTURER'S SHOP DRAWINGS.
- PRIOR TO INSTALLATION OF DEVICES WITHIN WALLS, VERIFY THAT NO INTERFERENCES EXIST; CONFIRM ON SITE WITH OWNER AND DESIGNER FOR EXACT DEVICE LOCATIONS AND ELEVATIONS.
- CONTRACTORS SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF THE WORK BEFORE SUBMITTING PRICING. MAKE ALL ALLOWANCES FOR SITE CONDITIONS.
- IN THE EVENT OF A DISCREPANCY BETWEEN THE SPECIFICATIONS AND A NOTE ON THE DRAWINGS, THE DRAWING NOTES SHALL SUPERSEDE THE SPECIFICATIONS.
- EXISTING WIRING AND CONDUIT MAY BE REUSED WHERE IN VERY GOOD CONDITION - SUBJECT TO CODE COMPLIANCE AND MEGGER TEST.

### GENERAL DEMOLITION NOTES: (APPLICABLE TO ALL DRAWINGS)

- NOT ALL EXISTING DEVICES ARE SHOWN. ALL FIXTURES AND DEVICES ARE EXISTING TO REMAIN UNLESS IDENTIFIED OTHERWISE ON THE DRAWINGS, GENERAL NOTES OR SPECIFICATIONS.
- REMOVE ALL UNUSED, ABANDONED OR REDUNDANT WIRING AND CONDUIT BACK TO SOURCE.
- RELOCATE EXISTING FIXTURE/DEVICE AS SHOWN ON DRAWINGS. EXTEND CONDUIT AND WIRING AS REQUIRED. TRACE EXISTING CIRCUITS PRIOR TO DEMOLITION. CONSULT WITH OWNER'S REPRESENTATIVE FOR ANY INTERRUPTIONS THIS MAY CAUSE DURING REMOVAL AND REINSTALLATION.
- COORDINATE WITH FACILITY MAINTENANCE DEPARTMENT FOR DISPOSAL OF REMOVED DEVICES. DISPOSE OF ALL UNWANTED DEVICES AS REQUIRED AS PER FACILITY STANDARDS.
- ELECTRICAL EQUIPMENT BEING REMOVED AND NOT BEING REUSED WILL REMAIN THE PROPERTY OF THE OWNER. EQUIPMENT THE OWNER DOES NOT WANT WILL BE DISPOSED OF BY THE CONTRACTOR. CONTRACTOR TO ENSURE ALL CONSTRUCTION WASTE, GARBAGE AND DEBRIS IS REMOVED FROM SITE AND PROPERLY DISPOSED.
- TRACE OUT ALL EXISTING CIRCUITS WITHIN THE AREA OF WORK AND LABEL PRIOR TO ANY DEMOLITION. MAINTAIN SERVICES TO AREAS NOT UNDER CONSTRUCTION.
- COORDINATE SHUTDOWN WORK AND PHASING WITH OWNER REPRESENTATIVE PRIOR TO ANY ACTIVITY.

### LIGHTING DEMOLITION NOTES:

- IN AREAS BEING RENOVATED; REMOVE AND DISCARD, COMPLETE EXISTING LIGHTING SYSTEM ASSEMBLY (BALLAST, LAMPS, LAMP SOCKETS, BALLAST COVERS, ETC.) TO BE RETROFITTED. PROVIDE SAFE TERMINATION OF EXISTING CIRCUIT TO BE RE-USED FOR NEW INSTALLATION AS REQUIRED. COMPLETELY DISCONNECT AND REMOVE EXISTING BRANCH CIRCUITS NOT REQUIRED FOR NEW INSTALLATION BACK TO THE SOURCE PANEL AND MARK IT AS SPARE. PROVIDE PULLSTRING IN EMPTY CONDUIT.
- COORDINATE EXISTING LUMINAIRES REMOVAL AND REPLACEMENT WITH OTHER TRADES IF REQUIRED.
- NEW EMERGENCY LIGHTING SYSTEM SHALL BE PROVIDED TO MATCH PREVIOUS FUNCTIONING SYSTEM. PROVIDE NECESSARY INSTALLATION AS REQUIRED FOR THE RETROFIT WORK.
- ELECTRICAL CONTRACTOR TO ALLOW FOR ALL COSTS TO REMOVE AND DISPOSE OF ANY LUMINAIRES WITH PCB BALLASTS.

### DRAWING NOTES (INDICATED WITH HEXAGONS):

- DISCONNECT POWER FROM EXISTING DISHWASHER AND MAKE SAFE FOR REMOVAL BY OTHERS. MAINTAIN EXISTING WIRING FOR RECONNECTION TO NEW DISHWASHER.
- DISCONNECT POWER FROM EXISTING CONVEYOR AND MAKE SAFE FOR REMOVAL BY OTHERS. REMOVE ASSOCIATED CONTROLS AND ALL WIRING BACK TO SOURCE PANEL KP-KB.
- DISCONNECT AND REMOVE EXISTING 15A.3P AND 70A-3P CIRCUIT BREAKERS SERVING THE CONVEYOR AND DISHWASHER BEING REMOVED.
- DISCONNECT POWER FROM EXISTING DISHWASHER EXHAUST FAN AND MAKE SAFE FOR REMOVAL BY OTHERS. REMOVE ASSOCIATED CONTROLS AND ALL WIRING BACK TO SOURCE. SOURCE PANEL TO BE CONFIRMED ON SITE.

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### KEYPLAN

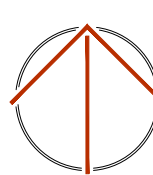


FLOOR PLAN - LEVEL 0

### REVISIONS

| NO. | ISSUED FOR        | DATE     |
|-----|-------------------|----------|
| 00  | 66% CLIENT REVIEW | 26.05.15 |
| 01  | 99% CLIENT REVIEW | 26.06.11 |
| 02  | TENDER            | 26.07.07 |
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### NORTH



|         |    |          |    |
|---------|----|----------|----|
| DESIGN  | KM | DRAWN    | KM |
| CHECKED | GP | REVIEWED | GP |

### PROJECT

**KHSC KIDD-DAVIES  
DISHWASHER ROOM RENO**

### ADDRESS

**24 BARRIE ST.,  
KINGSTON, ON K7L 2V7**

### PROJECT NO.

**CE-6505**

### DRAWING TITLE

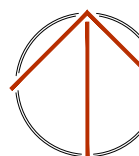
**PARTIAL LEVEL 0 DEMO PLAN,  
NOTES & LEGENDS- POWER &  
SYSTEMS**

### DRAWING NUMBER

**E1** OF 4

FLOOR PLAN - LEVEL C

| NO. | ISSUED FOR        | DATE     |
|-----|-------------------|----------|
| 00  | 66% CLIENT REVIEW | 26.05.15 |
| 01  | 99% CLIENT REVIEW | 26.06.11 |
| 02  | TENDER            | 26.07.07 |
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| DESIGN  | KM | DRAWN    | KM |
| CHECKED | GP | REVIEWED | GP |

KHSC KIDD-DAVIES  
DISHWASHER ROOM RENO

24 BARRIE ST.,  
KINGSTON, ON K7L 2V7

## CE-6505

## E2 OF 4

## PARTIAL LEVEL 0 PROPOSED PLAN - POWER & SYSTEMS

SCALE: 1:50

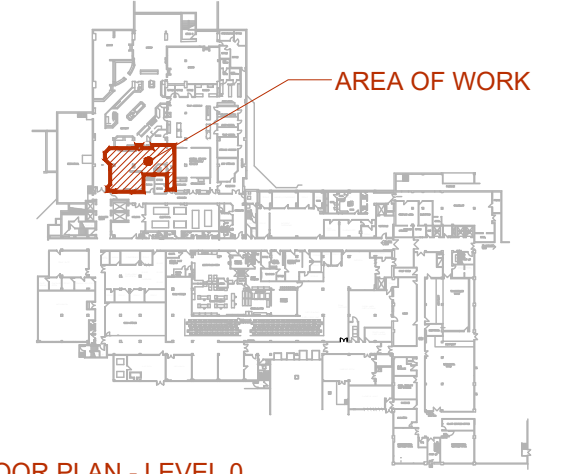
| WIRING FOR KITCHEN EQUIPMENT SCHEDULE                                                                                                                                       |                                      |            |    |      |       |       |                     |             |             |            |          |                     |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------|----|------|-------|-------|---------------------|-------------|-------------|------------|----------|---------------------|--------------|
| ITEM NO                                                                                                                                                                     | DESCRIPTION                          | ELECTRICAL |    |      |       |       |                     |             |             |            |          | MISCELLANEOUS NOTES |              |
|                                                                                                                                                                             |                                      | HP         | KW | AMPS | VOLTS | PHASE | WIRING              | PLUG IN REC | DIRECT CONN | SOURCE PNL | CCT No   |                     | BREAKER      |
| 1                                                                                                                                                                           | UPRIGHT CONVEYOR DISHWASHING MACHINE | -          | -  | 33   | 208   | 3     | EX                  | -           | X           | KP-KB      | 18/20/22 | 45A-3P              | NOTE 1, 2, 3 |
| 2                                                                                                                                                                           | BI-LINE PULPER- CONTROL PNL          | -          | -  | 29   | 208   | 3     | 3-#8 +GND IN 1°C    | -           | X           | KP-KB      | 25/27/29 | 40A-3P              | NOTE 1       |
| 3                                                                                                                                                                           | CONVEYOR- CONTROL PNL                | -          | -  | 4.5  | 208   | 1     | 2-#12 +GND IN 3/4°C | -           | X           | KP-KLA     | 60/62    | 15A-2P              | NOTE 1       |
| NOTES:                                                                                                                                                                      |                                      |            |    |      |       |       |                     |             |             |            |          |                     |              |
| 1. COORDINATE ALL REQUIREMENTS WITH EQUIPMENT MANUFACTURER AND FINAL INSTALLATION DRAWINGS AND PROVIDE ACCORDINGLY.                                                         |                                      |            |    |      |       |       |                     |             |             |            |          |                     |              |
| 2. EXISTING FEED ASSUMED TO BE ADEQUATE BASED ON EXISTING EQUIPMENT INFORMATION. ELECTRICAL TRADE TO CONFIRM ON SITE AND REPLACE/ PROVIDE NEW FEEDER/ RACEWAYS IF REQUIRED. |                                      |            |    |      |       |       |                     |             |             |            |          |                     |              |
| 3. INSPECT EXISTING WIRING AND CONDUIT TO ENSURE IT IS IN VERY GOOD CONDITION - SUBJECT TO CODE COMPLIANCE AND MEGGER TEST. PROVIDE ANY DISCREPANCIES TO CONSULTANT.        |                                      |            |    |      |       |       |                     |             |             |            |          |                     |              |

| WIRING FOR MECHANICAL EQUIPMENT SCHEDULE |             |                                         |               |      |                                 |                           |       |     |          |   |                      |                                                                                                                                                                                                                                                                                                         |            |          |      |     |   |         |
|------------------------------------------|-------------|-----------------------------------------|---------------|------|---------------------------------|---------------------------|-------|-----|----------|---|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|------|-----|---|---------|
| LABEL                                    | DESCRIPTION |                                         | LOCATION      | VOLT | PH                              | HP                        | WATTS | MCA | ISO. SW. | P | POWER WIRING         | CTRL BY ELEC                                                                                                                                                                                                                                                                                            | SOURCE PNL | DISC AMP | FUSE | BRK | P | REMARKS |
| EF-101                                   | EXHAUST FAN |                                         | REFER TO DWG/ | 208  | 3                               | 3/4                       | -     | -   | 15A,NF   | 3 | 3-#12 + GND IN 3/4"C | COMB, RPB                                                                                                                                                                                                                                                                                               | EX         | -        | -    | 15  | 3 | NOTE 2  |
| ABBREVIATIONS:                           |             |                                         |               | OS   | -                               | OCCUPANCY SENSOR          |       |     |          |   |                      | NOTES:<br><br>1. INSTALL ALL WIRING IN CONDUIT WITH SHORT LENGTH LIQUID TIGHT FLEX TO MOTOR OR VIBRATING EQUIPMENT.<br><br>2. PROVIDE REMOTE START & STOP PUSH BUTTON IN WAREWASHING ROOM. CONFIRM EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL TRADE PRIOR TO INSTALLATION AND PROVIDE AS REQUIRED. |            |          |      |     |   |         |
|                                          |             |                                         |               | RAT  | -                               | REVERSE ACTING THERMOSTAT |       |     |          |   |                      |                                                                                                                                                                                                                                                                                                         |            |          |      |     |   |         |
|                                          |             |                                         |               | R    | -                               | RELAY                     |       |     |          |   |                      |                                                                                                                                                                                                                                                                                                         |            |          |      |     |   |         |
| COMB                                     | -           | CONTACTOR, SIZE AS INDICATED            | RPB           | -    | REMOTE PUSH BUTTON START & STOP |                           |       |     |          |   |                      |                                                                                                                                                                                                                                                                                                         |            |          |      |     |   |         |
| FVNR                                     | -           | COMBINATION DISCONNECT & STARTER        | SW            | -    | LIGHT SWITCH                    |                           |       |     |          |   |                      |                                                                                                                                                                                                                                                                                                         |            |          |      |     |   |         |
| HOA                                      | -           | FULL VOL. TAG: NON REVERSING STARTER    | TC            | -    | 7 DAY PROGRAMMABLE TIMECLOCK    |                           |       |     |          |   |                      |                                                                                                                                                                                                                                                                                                         |            |          |      |     |   |         |
| MAN                                      | -           | HAND OFF AUTO SWITCH C/W ON PILOT LIGHT | TS            | -    | TIMER SWITCH                    |                           |       |     |          |   |                      |                                                                                                                                                                                                                                                                                                         |            |          |      |     |   |         |
|                                          |             |                                         |               | WP   | -                               | WEATHER PROOF             |       |     |          |   |                      |                                                                                                                                                                                                                                                                                                         |            |          |      |     |   |         |

DRAWING NOTES (INDICATED WITH HEXAGONS):

1. PROVIDE POWER AND CONNECT TO NEW DISHWASHER ABOVE INSTALLED. MODIFY AND EXTEND EXISTING WIRING AS REQUIRED. COORDINATE EXACT LOCATION ON SITE AND REQUIREMENTS WITH EQUIPMENT SHOP DRAWINGS AND PROVIDE ACCORDINGLY.
2. PROVIDE POWER TO NEW BLINE PULPER. INSTALL BLINE PULPER CONTROL PANEL PROVIDED BY THE MANUFACTURER. CONTROL PANEL TO BE MOUNTED AT 48" A.F.F. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MANUFACTURER AND EQUIPMENT SHOP DRAWINGS.
3. PROVIDE NEW CIRCUIT BREAKERS AND MODIFICATIONS AS REQUIRED TO EXISTING PANEL TO SUIT THE NEW EQUIPMENT. NEW CIRCUIT BREAKERS SHALL MATCH TYPE AND KAIC RATING OF EXISTING CIRCUIT BREAKERS. PROVIDE UNDER DIRECTORY CARD ON THE INSIDE OF THE PANEL DOOR IN METAL FRAME WITH CLEAR PLASTIC COVER.
4. PROVIDE POWER TO NEW CONVEYOR MAIN CONTROL PANEL. INSTALL CONVEYOR MAIN CONTROL PANEL PROVIDED BY THE MANUFACTURER. BOTTOM OF CONTROL PANEL TO BE MOUNTED APPROX. 52" A.F.F. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MANUFACTURER AND EQUIPMENT SHOP DRAWINGS.
5. PROVIDE POWER TO NEW DISHWASHER EXHAUST FAN FROM THE SOURCE PANEL PREVIOUSLY SERVING THE MAIN PAN. PROVIDE NEW CIRCUIT BREAKER TO MATCH THE EXISTING SOURCE PANEL TYPE AND KAIC RATING. COORDINATE THE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH THE EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION. NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK.

KEYPLAN

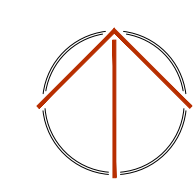


FLOOR PLAN - LEVEL 0

REVISIONS

| NO. | ISSUED FOR        | DATE     |
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| 00  | 66% CLIENT REVIEW | 26.05.15 |
| 01  | 99% CLIENT REVIEW | 26.06.11 |
| 02  | TENDER            | 26.07.07 |
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NORTH



|         |    |          |    |
|---------|----|----------|----|
| DESIGN  | KM | DRAWN    | KM |
| CHECKED | GP | REVIEWED | GP |

PROJECT

KHSC KIDD-DAVIES  
DISHWASHER ROOM RENO

ADDRESS

24 BARRIE ST.,  
KINGSTON, ON K7L 2V7

PROJECT NO.

CE-6505

DRAWING TITLE

PARTIAL LEVEL 0 DEMO &  
PROPOSED PLAN- LIGHTING

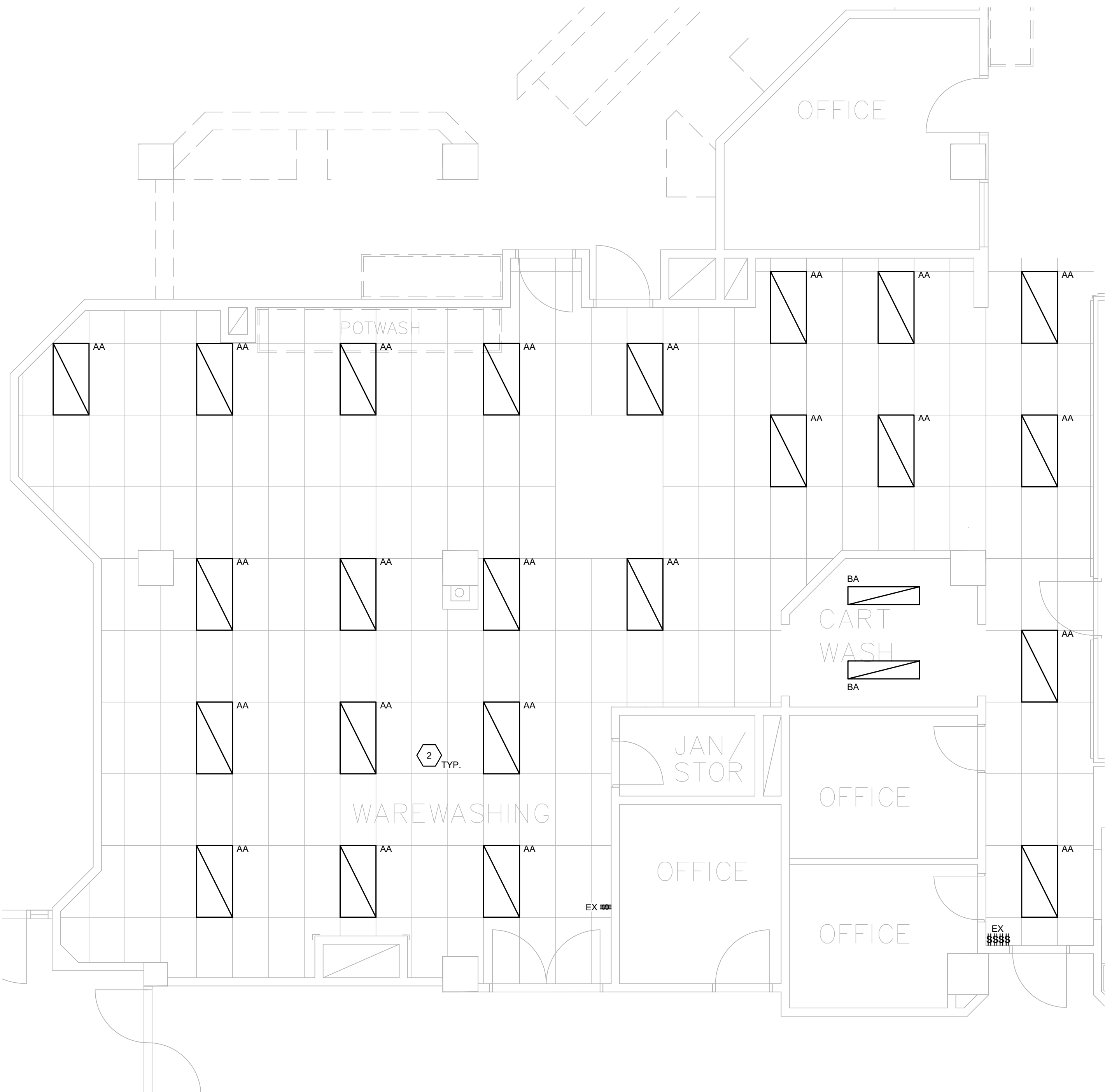
DRAWING NUMBER

E3 OF 4



PARTIAL LEVEL 0 DEMO PLAN - LIGHTING

SCALE: 1:50



PARTIAL LEVEL 0 PROPOSED PLAN - LIGHTING

SCALE: 1:50

LIGHTING FIXTURE SCHEDULE

| FIXTURE TAG | DESCRIPTION AND MODEL SERIES                                                                                               | INPUT       | LIGHT SOURCE                   | MOUNTING                        |
|-------------|----------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------|---------------------------------|
| AA          | 2' X 4' BACK LIT LED PANEL C/W DAMP LOCATION RATING AND ALL REQUIRED MOUNTING ACCESSORIES.<br><br>LEDVANCE: PANEL F SERIES | 120V<br>50W | LED<br>4250L<br>4000K<br>80CRI | RECESSED-<br>T-BAR CEILING      |
| BA          | 1' X 4' RECESSED LED TROFFER C/W IP66 RATING AND ALL REQUIRED MOUNTING ACCESSORIES.<br><br>PACO LIGHTING: PRCL SERIES      | 120V<br>39W | LED<br>4000L<br>4000K<br>80CRI | RECESSED-<br>DRYWALL<br>CEILING |

- NOTES:
- PROVIDE ALL NECESSARY MOUNTING HARDWARE FOR A COMPLETE INSTALLATION.
  - COORDINATE WITH ARCHITECTURAL CEILING PLAN TO CONFIRM CEILING MATERIAL AND MOUNTING TYPE.

DRAWING NOTES (INDICATED WITH HEXAGONS):

1. DISCONNECT AND REPLACE EXISTING LIGHT FIXTURES. MAKE WIRING GOOD TO MAINTAIN POWER TO EXISTING DEVICES OF THE SAME CIRCUITS WITHIN THE AREA OF RENOVATION AND IN ADJACENT AREAS. MAINTAIN EXISTING POWER AND CONTROL WIRING FOR REUSE WITH NEW LIGHT FIXTURES.
2. PROVIDE CONNECTION OF NEW LIGHT FIXTURES TO EXISTING LIGHTING CONTROLS AND BRANCH LIGHTING CIRCUITS IN THE EXISTING SPACE. EXTEND AND MODIFY ALL WIRING AS REQUIRED.

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ELECTRICAL GENERAL REQUIREMENTS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SERVICE AND DISTRIBUTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| GENERAL CONDITIONS:             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1.                              | ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO ELECTRICAL SAFETY CODE, THE LOCAL ELECTRICAL SAFETY AUTHORITY INSPECTION OFFICE, THE ONTARIO BUILDING CODE, THE ONTARIO FIRE CODE AND ANY OTHER LOCAL REGULATIONS HAVING JURISDICTION OVER THE WORK OF THIS TRADE.                                                                                                                                                                                                                                                 | 1. PROVIDE ADDITIONS AND MODIFICATIONS TO THE EXISTING DISTRIBUTION SYSTEM AS INDICATED IN THE DRAWINGS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2.                              | BEFORE TENDERING, EXAMINE THE SITE AND ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND BE FAMILIAR WITH THE WORK OF THIS TRADE. NO EXTRAS WILL BE ALLOWED FOR THE FAILURE TO DO SO.                                                                                                                                                                                                                                                                                                                                                     | 2. PROVIDE CIRCUIT BREAKER OF THE TYPE, WITH AMPERE CAPACITY, NUMBER OF POLES, ETC., AS SPECIFIED IN DRAWINGS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 3.                              | ALL ELECTRICAL WORK SHALL COMPLY WITH CSA ELECTRICAL BULLETIN APPLICABLE AT TENDER CLOSE. WHERE SPECIFIC BULLETINS ARE NOT NAMED THEY ARE STILL CONSIDERED AN INTEGRAL PART OF THIS SPECIFICATION.                                                                                                                                                                                                                                                                                                                                        | 3. PROVIDE MECHANICALLY FASTENED LABEL FOR ALL DISCONNECT SWITCHES, STARTERS, AND PANELS TO CLEARLY INDICATE EQUIPMENT CONTROLLED OR AREA SERVED. INDICATE FUSE SIZE AND TYPE ON ALL FUSED DISCONNECTS.                                                                                                                                                                                                                                                                                                                                                                                        |
| 4.                              | PROVIDE ALL GROUNDING AND BONDING TO GROUND REQUIRED, REGARDLESS IF NOT SHOWN ON THE DRAWINGS. GROUNDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO ELECTRICAL SAFETY CODE.                                                                                                                                                                                                                                                                                                                                              | 4. PROVIDE AN UPDATED TYPEWRITTEN DIRECTORY CARD ON THE INSIDE OF THE PANEL DOOR IN A METAL FRAME WITH CLEAR PLASTIC COVER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 5.                              | PROVIDE ALL NEW MATERIALS HAVING CSA, CUL, WARNOCK HERSEY OR OTHER APPROVAL AGENCY LABEL AND LISTING. ALL WORKMANSHIP BY THIS TRADE SHALL BE FIRST CLASS, CONFORMING TO INDUSTRY STANDARD PRACTICES FOR SAFETY, ACCESSIBILITY, DURABILITY AND NEATNESS FOR ACCEPTANCE BY THE OWNERS' REPRESENTATIVES.                                                                                                                                                                                                                                     | 5. ALL BRANCH BREAKERS SHALL BE THERMAL-MAGNETIC TRIP INDICATED, AMBIENT TEMPERATURE COMPENSATED AND BOLTED TO THE BUS BAR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 6.                              | ARRANGE AND PAY FOR ALL PERMITS AND INSPECTION FEES REQUIRED FOR THE WORK OF THIS TRADE. SUBMIT TO THE LOCAL ELECTRICAL INSPECTION DEPARTMENT AND/OR ELECTRICAL SUPPLY AUTHORITY ANY AND ALL DRAWINGS REQUIRED FOR PERMITS, FEES, APPROVALS, EXAMINATIONS AND SERVICES.                                                                                                                                                                                                                                                                   | 6. ACCEPTABLE MANUFACTURERS FOR DISTRIBUTION EQUIPMENT INCLUDE: EATON-CUTLER HAMMER, SCHNEIDER CANADA, GENERAL ELECTRIC AND SIEMENS.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 7.                              | PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR THE WORK OF THIS TRADE. ALL CUTTING AND PATCHING SHALL BE PERFORMED BY QUALIFIED TRADES PERSONS. INCLUDE ALL COSTS FOR CUTTING AND PATCHING RELATED TO THE WORK OF THIS TRADE IN THE TENDER PRICE.                                                                                                                                                                                                                                                                                          | CONDUCTORS & RACEWAYS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 8.                              | PROVIDE ALL SLEEVES, INSERTS AND HANGERS REQUIRED FOR THE ELECTRICAL WORK. TREAT ALL SLEEVES OR HOLES PIERCING ACOUSTICAL SEPARATIONS FOR INSTALLATIONS OF THE DIVISION TO MAINTAIN ACOUSTICAL RATING. ALL GAPS SHALL BE PACKED WITH ACOUSTICAL INSULATION AND SEALED AT BOTH ENDS WITH ACOUSTICAL CAULKING. PATCH ALL OPENINGS AROUND INSTALLATIONS OF THIS DIVISION PIERCING FIRE OR SMOKE SEPARATIONS WITH AN APPROVED WATERTIGHT SMOKE AND FIRE STOP SEALANT.                                                                         | 1. USE RW90 COPPER CONDUCTORS CSA APPROVED FOR THE APPLICATION. CONDUCTORS IN UNDERGROUND RACEWAYS TO BE RWU90. SIZE THE CONDUCTORS SO THAT THE MAXIMUM BRANCH CIRCUIT VOLTAGE DROP DOES NOT EXCEED 3%. MINIMUM CONDUCTOR SIZE IS #12 AWG UNLESS OTHERWISE INDICATED.                                                                                                                                                                                                                                                                                                                          |
| 9.                              | PROVIDE ACCESS PANELS AS FOLLOWS: SHEET STEEL CONSTRUCTION WITH FACTORY APPLIED PRIME COAT OF PAINT, POSITIVE LATCHING SYSTEM, MINIMUM 18 GAUGE STEEL, PROVIDE HINGED DOORS FOR ALL ACCESS PANELS WITH A SIZE OF 450mm x 450mm (18" x 18") OR LARGER. WHERE THE ACCESS DOOR IS LOCATED IN A FIRE RATED ASSEMBLY OR A FIRE SEPARATION HAVING A FIRE RESISTANCE RATING, PROVIDE ACCESS DOORS WHICH ARE ULC LISTED FOR THE REQUIRED FIRE RESISTANCE RATING ALLOWED BY THE ONTARIO BUILDING CODE.                                             | 2. DESIGN IS BASED ON COPPER CONDUCTORS. ALUMINUM CONDUCTORS ARE NOT PERMITTED ON THIS PROJECT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10.                             | TOUCH-UP ALL SHOP PAINTED EQUIPMENT DAMAGED IN TRANSIT OR DURING INSTALLATION TO MATCH ORIGINAL SHOP FINISH.                                                                                                                                                                                                                                                                                                                                                                                                                              | 3. ALL CONDUCTORS ARE TO BE INSTALLED IN RACEWAYS AS DESCRIBED BELOW:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 11.                             | AVOID ACCUMULATION OF DEBRIS AS THE WORK PROGRESSES. ON COMPLETION OF THE CONSTRUCTION AND PRIOR TO THE FINAL INSPECTION AND ACCEPTANCE BY THE OWNER, CLEAN UP AND REMOVE FROM THE SITE ALL SCRAP MATERIALS RESULTING FROM THE WORK OF THIS TRADE.                                                                                                                                                                                                                                                                                        | 3.1. EMT RACEWAYS: INTERIOR SURFACE RACEWAYS, BRANCH CIRCUIT WIRING FROM PANELS, CONCEALED IN ACCESSIBLE CEILINGS AND INTERIOR WALLS OR IN INTERIOR CONCRETE BLOCK CONSTRUCTION.                                                                                                                                                                                                                                                                                                                                                                                                               |
| 12.                             | CO-ORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES ON THE JOB SO THAT THE WORK MAY PROGRESS WITHOUT ANY DELAY. SCHEDULE AND PHASE DEMOLITION AND NEW WORK TO REDUCE INTERFERENCE AND DOWNTIME OF EXISTING SYSTEMS. NOTIFY OWNER'S REPRESENTATIVE OF ALL DOWNTIME PRIOR TO PROCEEDING WITH WORK.                                                                                                                                                                                                                                     | 3.2. ARMoured CABLE (BX): FOR FINAL DROPS TO FIXTURES IN CEILING SPACES. (LENGTH NOT TO EXCEED 3M IN THIS APPLICATION) AND FOR EXISTING BLOCK WALLS.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 13.                             | IN AREAS WHERE SPACE IS LIMITED AND MULTIPLE TRADES ARE INSTALLING SERVICES, COORDINATE INSTALLATION OF SERVICES. PREPARE INTERFERENCE DRAWINGS PRIOR TO CONSTRUCTION TO ENSURE INSTALLATION OF ALL SERVICES IS COORDINATED.                                                                                                                                                                                                                                                                                                              | 3.3. SURFACE METAL RACEWAYS (SMR): FOR EXISTING CONSTRUCTION WHERE EXISTING WALLS AND FINISHES ARE TO REMAIN OR NEW SERVICES CANNOT BE FISHED IN EXISTING WALL.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 14.                             | PRIOR TO THE FINAL INSPECTION, CLEAN ALL ELECTRICAL EQUIPMENT, CLEAN ALL CONSTRUCTION DUST AND DIRT FROM INSTALLED EQUIPMENT AT THE END OF THE JOB. REPAIR ANY DAMAGE CAUSED BY THE ELECTRICAL TRADE TO EXISTING BUILDINGS OR EQUIPMENT, ETC TO THE CONSULTANTS SATISFACTION.                                                                                                                                                                                                                                                             | 3.4. OBTAIN PERMISSION FROM THE CONSULTANT PRIOR TO INSTALLATION, COLOUR AND SIZE OF RACEWAYS TO BE CONFIRMED WITH CONSULTANT FOR THE SPECIFIC APPLICATION.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 15.                             | UPON COMPLETION OF THE WORK, PROVIDE THE FINAL UNCONDITIONAL CERTIFICATE OF ACCEPTANCE FROM THE LOCAL ELECTRICAL SAFETY AUTHORITY INSPECTION OFFICE.                                                                                                                                                                                                                                                                                                                                                                                      | 4. ALL CONDUIT AND WIRING IS TO BE CONCEALED IN ALL FINISHED AREAS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 16.                             | PROVIDE A ONE YEAR GUARANTEE ON ALL MATERIALS, AND LABOUR FROM THE DATE OF ACCEPTANCE BY THE OWNER. COMPLETE ALL WARRANTY REGISTRATION DOCUMENTATION ON BEHALF OF THE BUILDING OWNER. SUBMIT COPIES OF COMPLETED DOCUMENTATION IN OPERATIONS AND MAINTENANCE MANUALS.                                                                                                                                                                                                                                                                     | LIGHTING:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 17.                             | ON MULTI-PHASE FEEDERS AND PANELS, ADJUST THE PHASE LOADING SO AS NOT TO EXCEED A PHASE IMBALANCE OF 10%, LINE TO LINE, UNDER NORMAL OPERATING CONDITIONS OF THE FEEDER OR PANEL.                                                                                                                                                                                                                                                                                                                                                         | 1. PROVIDE FIXTURES COMPLETE WITH ALL ACCESSORIES MOUNTING HARDWARE, AND LAMPS AS SPECIFIED IN THE FIXTURE SCHEDULE OR AS APPROVED BY OWNERS AS AN EQUAL FIXTURE COMPLETE WITH MIN. 5 YEAR WARRANTY.                                                                                                                                                                                                                                                                                                                                                                                           |
| 18.                             | SUBMIT SHOP DRAWINGS IN ELECTRONIC PDF FORMAT FOR THE FOLLOWING EQUIPMENT: BREAKERS, LIGHTING FIXTURES, ETC. THE SHOP DRAWINGS SHALL BEAR THE NAME OF THE MANUFACTURER, THE MANUFACTURER'S CATALOGUE NUMBER, AND THE CONSULTANT'S DESIGNATION, ALONG WITH ALL PERTINENT INFORMATION PERTAINING TO THAT SPECIFIC PIECE OF EQUIPMENT.                                                                                                                                                                                                       | 2. PRODUCTS OF EQUAL QUALITY BY ALTERNATE MANUFACTURERS SUCH AS LITHONIA, SIGNIFY, COOPER, HUBBELL, AND CREE ARE ALSO ACCEPTABLE. PROVIDE PHOTOMETRIC CALCULATIONS ALONG WITH ALTERNATE FIXTURE SELECTIONS TO THE ENGINEER FOR REVIEW AT LEAST TWO FULL BUSINESS DAYS PRIOR TO TENDER CLOSING.                                                                                                                                                                                                                                                                                                 |
| 19.                             | ALL ELECTRICAL EQUIPMENT SHALL BE MOUNTED PLUMBED TRUE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3. LUMINAIRES TO BE SUPPORTED FROM THE STRUCTURE THROUGH THE USE OF APPROVED CHAINS TO MEET THE REQUIREMENTS OF THE OBC. SUPPORT FROM MECHANICAL OR ELECTRICAL SERVICES IS NOT PERMITTED.                                                                                                                                                                                                                                                                                                                                                                                                      |
| 20.                             | AS-BUILT DRAWINGS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | RENOVATIONS ON EXISTING BUILDING:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 20.1.                           | MAINTAIN AN ACCURATE RECORD OF DEVIATIONS AND CHANGES FROM CONTRACT DRAWINGS WITH RED LINE MARKINGS. TRANSFER AS-BUILT MARK-UPS TO DIGITAL DRAWING FORMAT. THIS PROCESS SHOULD BE COMPLETED BEFORE THE FINAL INSPECTION BY THE CONSULTANT. SUBMIT TO THE CONSULTANT WITH THE O&M MANUALS AT COMPLETION OF THE PROJECT.                                                                                                                                                                                                                    | 1. RENOVATIONS SHALL BE MADE ON THE EXISTING BUILDING AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. REMOVE ALL EXISTING LUMINAIRES, OUTLET BOXES, SWITCHES, RECEPTACLES, ETC. AS INDICATED ON DRAWINGS. ALL EQUIPMENT REMOVED AND NOT REUSED SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS SPECIFICALLY NOTED OTHERWISE. ALL EQUIPMENT INSTALLED IN RENOVATED AREAS SHALL BE NEW. ELECTRICAL TRADE WILL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR ELECTRICAL INSTALLATION. ALL CONDUIT SHALL BE INSTALLED CONCEALED IN FINISHED AREAS UNLESS SPECIFICALLY NOTED OTHERWISE. |
| 20.2.                           | FORMAT FILES TO MATCH EXACTLY THE LAYERING SYSTEM AND SYMBOLOGY OF THE CONSULTANT. BIND ALL EXTERNAL REFERENCES.                                                                                                                                                                                                                                                                                                                                                                                                                          | 2. NEW CONDUCTORS SHALL BE INSTALLED TO THE NEAREST OUTLET AS REQUIRED FOR EQUIPMENT THAT IS RELOCATED. INSTALLATION OF JUNCTION BOXES FOR SPLICING PURPOSES SHALL NOT BE PERMITTED UNLESS SPECIFICALLY CALLED FOR.                                                                                                                                                                                                                                                                                                                                                                            |
| 20.3.                           | THE AS-BUILT DRAWINGS SHALL HAVE A VALUE OF \$5,000 UNLESS THE ELECTRICAL CONTRACT VALUE IS LESS THAN \$100,000 WHICH SHALL HAVE A \$5,000 VALUE. ONCE AS-BUILT DRAWINGS HAVE BEEN COMPLETED, SUBMITTED AND REVIEWED, PAYMENT WILL BE RELEASED. THIS VALUE IS NOT INCLUDED IN THE AMOUNT REQUIRED BY THE CONSTRUCTION LIEN ACT.                                                                                                                                                                                                           | 3. PROVIDE ALL CONDUCTORS REQUIRED TO RECONNECT EXISTING CIRCUITS WHERE REQUIRED THAT MAY BE DISRUPTED DUE TO RENOVATIONS ON THE EXISTING FLOOR.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 20.4.                           | THIS PROJECT UTILIZED THE FOLLOWING DIGITAL FORMAT(S): AUTOCAD/PDF.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4. PROVIDE NEW BREAKERS WHERE REQUIRED IN EXISTING PANELS TO PICK-UP ADDITIONAL CIRCUITS INDICATED ON THE DRAWINGS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 21.                             | OPERATION AND MAINTENANCE INSTRUCTION MANUALS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5. COORDINATE WITH MECHANICAL DRAWINGS AND SAFELY DISCONNECT AND REMOVE ALL MOTOR/MECHANICAL EQUIPMENT BEING DEMOLISHED. REMOVE UNUSED WIRING/CONNECTION BACK TO SOURCE PANEL. EXTEND WIRING/CONNECTION OF ALL MOTOR/MECHANICAL EQUIPMENT BEING RELOCATED. PROVIDE PROPER JUNCTION BOX AT EACH POINT OF EXTENSION.                                                                                                                                                                                                                                                                             |
| 21.1.                           | PROVIDE PDF COPIES OF COMPLETE OPERATION AND MAINTENANCE INSTRUCTIONS FOR EQUIPMENT FURNISHED UNDER THIS CONTRACT. MANUAL TO BE ORGANIZED WITH BOOKMARKS IN A FORMAT TO MATCH THE SPECIFICATION SECTIONS. ONCE MANUAL IS REVIEWED AND ACCEPTED, PROVIDE PDF VERSION ON ELECTRONIC MEDIA (USB DEVICE OR AS REQUIRED BY OWNER). PROVIDE ONE HARD COPY VERSION(S) IN THREE RING BINDERS, COMPLETE WITH INDEX PAGES, INDEXING TABS AND COVER IDENTIFICATION AT FRONT AND SIDE.                                                                | FIRESTOPPING AND SMOKE SEAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 21.2.                           | MANUALS SHALL INCLUDE THE FOLLOWING INFORMATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1. PROVIDE A ULC LISTED FIRESTOP SYSTEM TO SEAL AROUND ALL PIPING, TUBING, DUCTS, CONDUITS, ELECTRICAL WIRES AND CABLES, AND OTHER SIMILAR ELECTRICAL SERVICES WHICH PENETRATE PART OF A BUILDING ASSEMBLY REQUIRED TO HAVE A FIRE RESISTANCE RATING OR A FIRE SEPARATION. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING ASSEMBLY AND FIRE SEPARATION TYPES AND LOCATIONS.                                                                                                                                                                                                                      |
| 21.2.1.                         | CONTACT INFORMATION OF CONSULTANTS AND CONTRACTORS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2. FOR ALL PENETRATIONS THROUGH HORIZONTAL FIRE SEPARATIONS, REQUIRED TO HAVE A FIRE RESISTANCE RATING, USE FIRESTOP SYSTEMS WITH A FT RATING NOT LESS THAN THE FIRE RESISTANCE RATING FOR THE FIRE SEPARATION. THIS INCLUDES THE SEALING OF ANY SLEEVES PROVIDED FOR FUTURE USES. IN ALL OTHER LOCATIONS, USE FIRESTOP SYSTEMS WITH A F RATING NOT LESS THAN THE FIRE PROTECTION RATING REQUIRED FOR CLOSURES IN THE BUILDING ASSEMBLY, REQUIRED TO HAVE A FIRE RESISTANCE RATING, OR IN THE FIRE SEPARATION.                                                                                 |
| 21.2.2.                         | COMPLETE SET OF FINAL PROJECT SHOP DRAWINGS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3. BEFORE STARTING ANY WORK ON SITE, SUBMIT DETAILED SHOP DRAWINGS TO BOTH THE CONSULTANT AND THE LOCAL BUILDING INSPECTION AUTHORITY FOR THEIR REVIEW AND COMMENTS. INCLUDE:                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 21.2.3.                         | EMERGENCY LIGHTING TEST FORM AND LETTER, (AS APPLICABLE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3.1. MANUFACTURER'S TECHNICAL PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR EACH SPECIFIC TYPE AND LOCATION OF PENETRATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 21.2.4.                         | ESA LETTER OF COMPLIANCE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3.2. CERTIFICATION THAT PROPOSED FIRESTOPPING MATERIALS AND ASSEMBLIES COMPLY WITH CAN4-115-M.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 21.2.5.                         | CERTIFICATE OF SUBSTANTIAL COMPLETION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3.3. ULC LISTINGS WITH COPIES OF ULC DATA SHEETS FOR EACH SPECIFIC TYPE AND LOCATION OF PENETRATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 21.2.6.                         | MANUFACTURER'S INSTALLATION INSTRUCTIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3.4. MAKE PENETRATION TYPES AND LOCATIONS ON SET OF WHITE PRINTS. AT COMPLETION OF PROJECT, TRANSFER THIS INFORMATION TO 'AS-BUILT' DRAWINGS.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 21.2.7.                         | MANUFACTURER'S MAINTENANCE INSTRUCTIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 21.2.8.                         | MANUFACTURER'S WARRANTIES AND GUARANTEES, AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 21.2.9.                         | COPIES OF ALL TEST DATA AND VERIFICATION CERTIFICATES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 22.                             | WHERE THE WORD PROVIDE IS USED IN THESE SPECIFICATIONS OR ON THE DRAWINGS, IT HAS THE MEANING 'SUPPLY AND INSTALL COMPLETE WITH ALL ASSOCIATED MOUNTING HARDWARE AND CONNECTIONS'.                                                                                                                                                                                                                                                                                                                                                        | WIRING FOR OTHER TRADES:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 23.                             | CHANGES IN THE WORK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1. PROVIDE POWER WIRING FOR ELECTRICALLY OPERATED EQUIPMENT OF OTHER TRADES AS NOTED ON THE DRAWINGS OR DEFINED IN THIS SPECIFICATION. PROVIDE ALL STARTERS AND DISCONNECT SWITCHES FOR A COMPLETE AND OPERATING SYSTEM.                                                                                                                                                                                                                                                                                                                                                                       |
| 23.1.                           | CHANGES TO THE CONTRACT REQUIRING ADDITIONS TO OR DELETIONS FROM THE WORK OF THIS DIVISION SHALL BE CARRIED OUT UPON WRITTEN REQUEST OF THE CONSULTANT. EXTRAS TO THE CONTRACT OR CREDITS SHALL BE SUBMITTED WITH A COMPLETE COST BREAKDOWN AS FOLLOWS:                                                                                                                                                                                                                                                                                   | 2. PROVIDE POWER AND WIRING TO THE ELECTRICALLY OPERATED EQUIPMENT AS DETAILED IN WIRING FOR MECHANICAL EQUIPMENT SCHEDULE. THIS LIST DOES NOT DETAIL THE SCOPE OF WORK FOR EACH PIECE OF EQUIPMENT. CO-ORDINATE WITH MECHANICAL CONTRACTOR FOR THE EXACT POWER REQUIREMENTS OF THE EQUIPMENT TO BE SUPPLIED TO THE PROJECT. DO NOT PROCEED WITH THE INSTALLATION OF ANY OF THE ELECTRICAL ROUGH-IN UNTIL THE POWER SUPPLY REQUIREMENTS AND THE POINTS OF CONNECTION HAVE BEEN ESTABLISHED FROM THE SHOP DRAWINGS FOR THE EQUIPMENT OF MECHANICAL CONTRACTOR.                                  |
|                                 | <ul style="list-style-type: none"><li>ITEMIZED MATERIAL LIST WITH QUANTITIES AND UNIT COSTS</li><li>ITEMIZED LABOUR COST BREAKDOWN</li><li>COPY OF QUOTATIONS FROM ALL SUPPLIERS FOR ALL EQUIPMENT</li><li>COPY OF QUOTATIONS FROM ALL SUBCONTRACTORS INCLUDING ALL OF THE REQUIREMENTS OF THIS SECTION</li><li>TOTAL MATERIAL COST</li><li>TOTAL HOURS</li><li>HOURLY RATE (REFER TO SUPPLEMENTARY CONDITIONS AND GENERAL CONTRACT)</li><li>TOTAL OVERHEAD AND PROFIT (REFER TO SUPPLEMENTARY CONDITIONS AND GENERAL CONTRACT)</li></ul> | 3. PROVIDE POWER WIRING TO ALL CONTROL DEVICES SUPPLIED BY MECHANICAL CONTRACTOR AND OPERATING AT 100 VAC OR GREATER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 26.                             | ELECTRICAL PROJECT COMPLIANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4. PROVIDE CONTROL WIRING FOR ALL CONTROL DEVICES WITH OPERATING VOLTAGES OF THE CONTROLS GREATER THAN 100VAC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 26.1.                           | PROVIDE THE FOLLOWING DOCUMENTS TO THE CONSULTANT TO ISSUE THE LETTER OF GENERAL REVIEW:                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5. PROVIDE RACEWAYS/CONDUITS FOR ALL CONTROL WIRING AS IDENTIFIED ON THE DRAWINGS FOR USE BY MECHANICAL CONTRACTOR. PROVIDE OUTLET BOXES AS DIRECTED BY MECHANICAL CONTRACTOR FOR ALL TERMINAL POINTS IN THE CONTROL SYSTEM. CO-ORDINATE WITH MECHANICAL CONTRACTOR.                                                                                                                                                                                                                                                                                                                           |
| 26.1.1.                         | ESA INSPECTION REPORT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 26.1.2.                         | A SIGNED VERIFICATION LETTER FROM THE ELECTRICAL CONTRACTOR CONFIRMING THE FOLLOWING: <ul style="list-style-type: none"><li>LIGHTING IS INSTALLED, TESTED AND OPERATIONAL</li></ul>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



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KEYPLAN

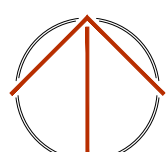


FLOOR PLAN - LEVEL 0

REVISIONS

| NO. | ISSUED FOR        | DATE     |
|-----|-------------------|----------|
| 00  | 66% CLIENT REVIEW | 26.05.15 |
| 01  | 99% CLIENT REVIEW | 26.06.11 |
| 02  | TENDER            | 26.07.07 |
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NORTH





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|---------|----|----------|----|
| DESIGN  | KM | DRAWN    | KM |
| CHECKED | GP | REVIEWED | GP |

PROJECT

KHSC KIDD-DAVIES

DISHWASHER ROOM RENO

ADDRESS

24 BARRIE ST.,

KINGSTON, ON K7L 2V7

PROJECT NO.

CE-6505

DRAWING TITLE

SPECIFICATIONS-ELECTRICAL

DRAWING NUMBER

E4 OF 4