

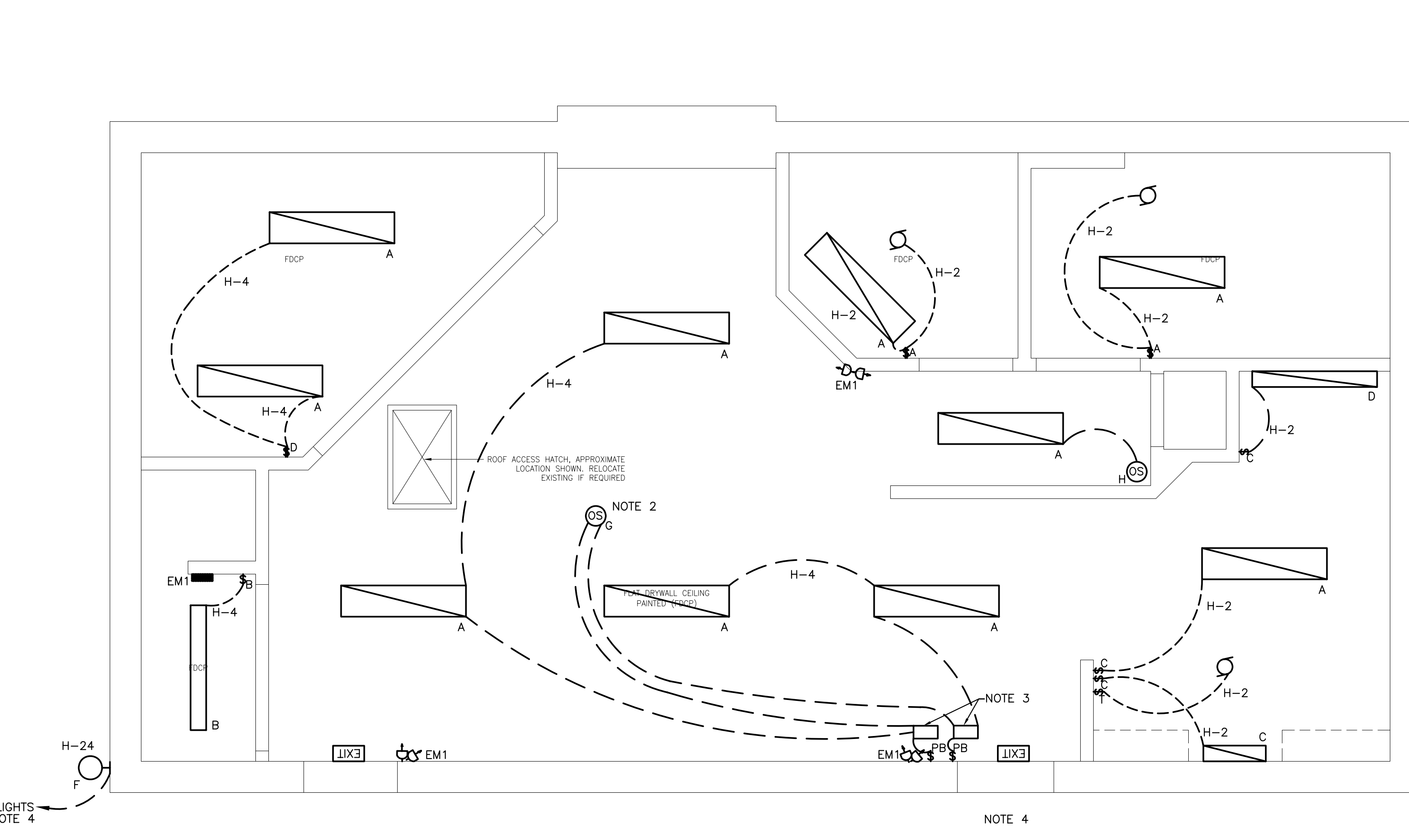
PROPOSED POWER LAYOUT
SCALE: 3/8" = 1'0"

NOTES:

1. RELOCATE EXISTING RECEPTACLE FROM EXTERIOR WALL TO INTERIOR WALL AT LOCATION SHOWN.
2. POWER SUPPLY FOR PUSH BUTTONS FOR DOOR OPERATORS.
3. ITEMS NOTED AS EXISTING ARE TO REMAIN AND BE RE-FED FROM NEW HOUSE PANEL 'H'.
4. HOT WATER TANK AND EXHAUST FANS SUPPLIED AND INSTALLED BY OTHERS.

| RECEPTACLE LEGEND | |
|-------------------|--------------------------|
| ⊕ | RECEPTACLE |
| • | MOUNTED ABOVE COUNTER |
| GFI | GROUND FAULT INTERRUPTED |
| T | 20A T-SLOT |

| | |
|---|---------------------------|
| ⊙ | DIRECT CONNECTION |
| ▨ | FLUSH MOUNTED POWER PANEL |
| ▽ | TELEPHONE |



PROPOSED LIGHTING LAYOUT
SCALE: 3/8" = 1'0"

NOTES:

1. LIGHT SWITCHES TO CONTROL TENNIS COURT LIGHTING. SWITCHES TO BE IN ENCLOSURE (BY OTHERS) ON EXTERIOR WALL. EACH SWITCH TO CONTROL ONE LIGHTING CONTACTOR AS SHOWN IN SINGLE LINE DIAGRAM (LC1, LC2, LC3, LC4 AND LC5) CONTRACTOR TO LABEL EACH LIGHT SWITCH TO INDICATE WHICH COURT IS BEING CONTROLLED.
2. OCCUPANCY SENSOR TO CONTROL THE FOUR FIXTURES TYPE 'A' IN THE LOUNGE AREA.
3. LOCATE POWER PACKS FOR EACH LIGHTING CONTROL CIRCUIT IN THE CEILING SPACE ABOVE LIGHTING CONTROLS TYPE 'F'.
4. RE-FEED EXISTING BUILDING MOUNTED EXTERIOR LIGHTS WITH CIRCUIT H-24. RE-FEED EXISTING POLE MOUNTED WALKWAY LIGHTING WITH SAME CIRCUIT.

| LIGHTING CONTROL SCHEDULE | | | |
|---------------------------|---|---------------------------|--------------------|
| ⊕A | WALL SWITCH MOUNTED DUAL RELAY OCCUPANCY SENSOR FOR LIGHTING LOAD AND FAN LOAD. AUTO-ON/AUTO-OFF. 30 MINUTE TIME DELAY. SEPARATE OVER-RIDE SWITCH FOR EACH RELAY OUTPUT | HUBBELL OR APPROVED EQUAL | LHMTD-2-N-WH |
| ⊕B | WALL SWITCH OCCUPANCY SENSOR. AUTO-ON/AUTO-OFF. 10 MINUTE TIME DELAY, AND C/W MANUAL OVER-RIDE | HUBBELL OR APPROVED EQUAL | LHMTD-1-N-WH |
| ⊕C | WALL SWITCH OCCUPANCY SENSOR. MANUAL-ON/AUTO-OFF. 15 MINUTE TIME DELAY, AND C/W MANUAL OVER-RIDE | HUBBELL OR APPROVED EQUAL | LHMTD-1-N-WH |
| ⊕D | WALL SWITCH MOUNTED DUAL RELAY OCCUPANCY SENSOR FOR LIGHTING LOAD. MANUAL-ON/AUTO-OFF. 30 MINUTE TIME DELAY, SEPARATE OVER-RIDE SWITCH FOR EACH RELAY OUTPUT | HUBBELL OR APPROVED EQUAL | LHMTD-2-N-WH |
| ⊕B | LOW VOLTAGE PUSHBUTTON STYLE MOMENTARY SWITCH | HUBBELL OR APPROVED EQUAL | LVS-M-1-NP-WH |
| OSG | 360 DEGREE, CEILING MOUNTED, DUAL TECHNOLOGY, LOW VOLTAGE, MOTION SENSOR. WILL REQUIRE ONE POWER PACK PER MOMENTARY SWITCH | HUBBELL OR APPROVED EQUAL | OMNI-DT-2000 |
| OSH | 180 DEGREE, CEILING/WALL MOUNTED, MOTION SENSOR | HUBBELL OR APPROVED EQUAL | OMNI-DT-500-BP1277 |
| ⊕T | PUSH BUTTON STYLE TIMER WITH 4 BUTTONS AND INTERVALS TO BE 5, 10, 15 AND 30 MINUTES | | |

| LIGHTING SCHEDULE | | | |
|-------------------|--|----------------------------|------------------------|
| A | 1x4' SURFACE MOUNTED FLUORESCENT FIXTURE WITH TWO 32W T8 LAMPS, PROGRAM START BALLAST, 120V, 4100K | LITHONIA OR APPROVED EQUAL | ST8-232-120-GEB10PS |
| B | 4' SURFACE MOUNTED STRIP FLUORESCENT FIXTURE WITH TWO 32W T8 LAMPS, PROGRAM START BALLAST, 120V, 4100K | LITHONIA OR APPROVED EQUAL | C-232-120-GEB10PS |
| C | 2' SURFACE MOUNTED FLUORESCENT FIXTURE WITH T5 BIAx LAMP, PROGRAM START BALLAST, 120V, 4100K | LITHONIA OR APPROVED EQUAL | WPI-24T5HO-120-GEB10PS |
| D | 4' SURFACE MOUNTED FLUORESCENT FIXTURE WITH ONE 32W T8 LAMP, PROGRAM START BALLAST, 120V, 4100K | LITHONIA OR APPROVED EQUAL | WP-132-120-GEB10PS |
| F | DECORATIVE STYLE MOTION SENSOR ACTIVATED WALL MOUNTED LIGHT FIXTURE, 120V WITH SCREW IN TYPE LED BULB, 3500K | | |

| EMERGENCY LIGHTING & EXIT SCHEDULE | | | |
|------------------------------------|---|----------------------------------|------------------------------------|
| SYMBOL | DESCRIPTION | MANUFACTURER | MODEL No. |
| EM1 | EMERGENCY LIGHTING UNIT, 100 WATTS, 12VDC, 10 YEAR BATTERY, C/W MOUNTING SHELF | THOMAS & BETTS OR APPROVED EQUAL | RG12S100-2-LHQ20W C/W 440.0616-L |
| ⊕ | DUAL REMOTE HEAD, 12VDC, 12W, MICRO QUARTZ, PAR 18 | THOMAS & BETTS OR APPROVED EQUAL | MQ2-12V12W |
| EXIT | SELF POWERED PICTOGRAM EXIT SIGN, SINGLE FACE, WALL OR CEILING MOUNT AS INDICATED, ARROWS AS INDICATED, LED LAMPS FOR 120VAC OR 12VDC SUPPLY, CSA-22.2 LISTED & CERTIFIED | THOMAS & BETTS OR APPROVED EQUAL | LA-SERIES, SELF POWERED, PICTOGRAM |

| NO. | DESCRIPTION | DATE | BY |
|-----|-------------------|----------|----|
| 0 | ISSUED FOR PERMIT | 15/09/18 | HK |

REVISIONS

Kirkland Engineering Ltd BCIN: 28857

PROJECT NORTH

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PROJECT

QUAKER PARK TENNIS CLUB RENOVATIONS

Driscoll Terrace
Peterborough, ON

TITLE

PROPOSED LIGHTING AND POWER LAYOUTS

| DESIGN | HK | SCALE AS NOTED |
|----------|------|----------------|
| DRAWN | HK | DWG NO. |
| CHECKED | IMK | |
| APPROVED | IMK | |
| PROJECT | 5631 | |

SPECIFICATION

1. GENERAL CONDITIONS

1. DO ALL WORK IN ACCORDANCE WITH ONTARIO ELECTRICAL SAFETY CODE, CURRENT EDITION, BASED UPON THE CANADIAN ELECTRICAL CODE, PART I, CSA STANDARD C22.1, AND ALL BULLETINS TO DATE.

2. SCOPE OF WORK

2.1 PROVIDE ALL MATERIALS EQUIPMENT AND LABOUR TO PROVIDE A COMPLETE OPERATING INSTALLATION AS DESIGNATED IN THIS SPECIFICATION AND AS INDICATED ON THE DRAWINGS EXCEPT WHERE OTHERWISE NOTED.
 2.2 THE SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO, SUPPLY AND INSTALLATION OF THE FOLLOWING ITEMS:
 2.2.1 POWER DISTRIBUTION.
 2.2.2 LIGHTING
 2.2.3 EMERGENCY LIGHTING AND EXIT SIGNAGE.
 2.2.4 FEEDERS AND OVER CURRENT PROTECTION FOR MECHANICAL EQUIPMENT.

3. GENERAL

3.1 ALL MATERIALS SHALL BE CSA APPROVED, NEW AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

4. IDENTIFICATION

4.1 WIRES TO BE COLORED AS FOLLOWS: 120V AC NEUTRAL WHITE
 12V DC BLUE.
 120V AC SWITCHED, BLACK OR RED.
 120V AC LINE, BLACK.

4.2 PROVIDE LAMICOID LABELS FOR NEW OR REVISED BREAKER PANELS, SPLITTERS AND DISCONNECTS.

4.3 PROVIDE TYPED CIRCUIT LISTING FOR NEW OR REVISED BREAKER PANELS.

5. EXAMINATION OF SITE

5.1 PRIOR TO SUBMITTING TENDERS, THIS CONTRACTOR SHALL VISIT THE SITE TO DETERMINE ALL EXISTING CONDITIONS.
 5.2 ALLOW FOR ALL COSTS ASSOCIATED WITH COMPLETING THE WORK OF ELECTRICAL DIVISION IN ACCORDANCE WITH EXISTING SITE AND BUILDING CONDITIONS.
 5.3 NO ALLOWANCE FOR EXTRA PAYMENTS TO THE CONTRACTOR WILL BE MADE BY THE OWNER FOR FAILING TO VISIT AND EXAMINE SITE CONDITIONS.

6. INSURANCE

6.1 SUB-CONTRACTOR SHALL MAINTAIN SUCH INSURANCE AS WILL FULLY PROTECT BOTH THE OWNER AND THE SUB-CONTRACTOR FROM ANY AND ALL CLAIMS UNDER THE WORKMEN'S COMPENSATION ACT, ALSO ALL INSURANCE AS NOTED WITHIN ARCHITECTURAL GENERAL CONDITIONS.

7. AS-BUILT DRAWINGS

7.1 MAINTAIN A SEPARATE SET OF WHITE PRINTS ON THE SITE AND NOTE ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL DESIGN. TWO SETS OF THESE DRAWINGS SHOWING ALL AS-BUILT CONDITIONS SHALL BE FORWARDED TO THE ARCHITECT AT THE COMPLETION OF THIS CONTRACT AND BEFORE APPLYING FOR FINAL PAYMENT.

8. REVISIONS AND EXTRAS

8.1 ADDITIONAL MONEY OVER THE CONTRACT PRICE SHALL NOT BE PAID UNLESS AN APPROVED CHANGE ORDER IS ISSUED BY THE ARCHITECT. CLAIMS FOR EXTRAS SHALL BE SUBMITTED WITH A COMPLETE BREAKDOWN OF MATERIAL, LABOUR, HOURLY RATES, ETC.

9. CLEAN UP

9.1 BE RESPONSIBLE TO KEEP THE AREA CLEAN AT ALL TIMES AND TO PERIODICALLY REMOVE ALL DEBRIS.

10. CUTTING AND PATCHING

10.1 ALL CUTTING AND PATCHING REQUIRED FOR THE WORK OF THIS DIVISION SHALL BE CARRIED OUT BY THIS DIVISION. CUTTING AND DRILLING SHALL BE PERFORMED IN A MANNER SO AS TO CAUSE LITTLE DAMAGE. BE RESPONSIBLE AND PAY FOR ANY DAMAGE TO THE BUILDING INCURRED BY WORK OF THIS DIVISION.

11. COORDINATION

11.1 BE RESPONSIBLE TO COORDINATE THE INSTALLATION OF EQUIPMENT, CONDUIT WORK, LIGHTING FIXTURES, ETC. WITH OTHER TRADES AND THE OWNER'S REPRESENTATIVE PRIOR TO THE ACTUAL INSTALLATION.

12. RESPONSIBILITY

12.1 BE RESPONSIBLE FOR ELECTRICAL WORK UNTIL THE COMPLETION AND FINAL ACCEPTANCE, FOR REPLACING ANY ITEM THAT MAY BE DEFECTIVE, DAMAGED, LOST OR STOLEN WITHOUT ADDITIONAL COST TO THE OWNER OR DELAY TO THE COMPLETION OF THE PROJECT.

13. WIRING MATERIALS AND METHODS

13.1 USE MATERIALS AND METHODS APPROVED BY ONTARIO ELECTRICAL CODE FOR USE IN NON-COMBUSTIBLE CONSTRUCTION.
 13.2 ALL BUILDING WIRE SHALL BE COPPER TYPE RW90-XLPE WHERE APPROPRIATE EXCEPT WHERE OTHERWISE NOTED.
 13.3 USE MINIMUM OF #12 AWG FOR BRANCH CIRCUIT WIRING.
 13.4 ARMORED CABLE TYPE AC90 (BX) WITH INTERLOCKING ARMOUR FABRICATED FROM ALUMINUM STRIP C/W COPPER INSULATED CONDUCTORS, SIZE AS INDICATED, TO BE USED IN CONCEALED WALL AND CEILING CAVITIES.

14. SHOP DRAWINGS AND PRODUCT DATA

14.1 "SHOP DRAWINGS" MEANS DRAWINGS, DIAGRAMS, ILLUSTRATIONS, SCHEDULES, PERFORMANCE, CHARTS, BROCHURES, AND OTHER DATA WHICH ARE TO BE PROVIDED BY CONTRACTOR TO ILLUSTRATE DETAILS OF A PORTION OF THE WORK.
 14.2 INDICATE MATERIALS METHODS OF CONSTRUCTION AND ATTACHMENT OR ANCHORAGE, NECESSARY FOR COMPLETION OF WORK.
 14.3 ADJUSTMENTS MADE ON SHOP DRAWINGS BY OWNER OR ENGINEER ARE NOT INTENDED TO CHANGE CONTRACT PRICE.
 14.4 MAKE CHANGES IN SHOP DRAWINGS AS OWNER OR ENGINEER MAY REQUIRE.
 14.5 SUBMIT 1 HIGH QUALITY ELECTRONIC COPY OR 6 HARD COPIES OF PRODUCT DATA SHEETS OR BROCHURES FOR LIGHTING FIXTURES, EMERGENCY LIGHTING, AND POWER DISTRIBUTION EQUIPMENT.
 14.6 PROVIDE 2 MAINTENANCE MANUALS COMPLETE WITH WARRANTY, CERTIFICATE OF INSPECTION BY ESA, AND COPY OF ALL PRODUCT LITERATURE AND MAINTENANCE INFORMATION.

15. SYSTEMS DEMONSTRATION

15.1 PRIOR TO FINAL INSPECTION DEMONSTRATE OPERATION OF EACH SYSTEM TO OWNER.
 15.2 INSTRUCT PERSONNEL IN OPERATION ADJUSTMENT AND MAINTENANCE OF EQUIPMENT AND SYSTEMS, USING PROVIDED OPERATION AND MAINTENANCE DATA AS BASIS FOR INSTRUCTION.

16. PERMITS, FEES AND INSPECTION

16.1 SUBMIT TO ELECTRICAL SAFETY AUTHORITY NECESSARY NUMBER OF DRAWINGS AND SPECIFICATIONS FOR EXAMINATION AND APPROVAL PRIOR TO COMMENCEMENT OF WORK.
 16.2 PAY ASSOCIATED FEES, INCLUDING EQUIPMENT APPROVAL INSPECTION FEE.
 16.3 OWNER WILL PROVIDE DRAWINGS AND SPECIFICATIONS REQUIRED BY ELECTRICAL SAFETY AUTHORITY AT NO COST.
 16.4 NOTIFY ENGINEER OF CHANGES REQUIRED BY ELECTRICAL SAFETY AUTHORITY PRIOR TO MAKING CHANGES.
 16.5 FURNISH CERTIFICATES OF ACCEPTANCE FROM ELECTRICAL SAFETY AUTHORITY AND AUTHORITIES HAVING JURISDICTION OF COMPLETION OF WORK TO ENGINEER.

17. THIRD PARTY TESTING

17.1 THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THIRD PARTY TESTING OF THE LIGHTING SYSTEM IN ACCORDANCE WITH ASHRAE STANDARD 90.1-2010, SECTION 9.4.4 FUNCTIONAL TESTING. THE PARTY RESPONSIBLE FOR THE FUNCTIONAL TESTING SHALL NOT BE DIRECTLY INVOLVED IN EITHER THE DESIGN OR CONSTRUCTION OF THE PROJECT AND SHALL PROVIDE DOCUMENTATION CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET OR EXCEED ALL DOCUMENTED PERFORMANCE CRITERIA.
 17.2 LIGHTING CONTROL DEVICES AND CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 17.3 WHEN SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS OR PHOTOSENSORS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:
 17.2.1 CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE, LIGHTS TURN OFF ONLY AFTER SPACE IS VACATED, WHERE AN AUTO-ON MODE HAS BEEN SELECTED, LIGHTS DO NOT TURN ON UNLESS SPACE IS OCCUPIED.
 17.2.2 CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED CORRECTLY TO TURN THE LIGHTS OFF.
 17.2.3 WHERE DAYLIGHT HARVESTING CAPABILITY HAS BEEN INSTALLED, CONFIRM THAT PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT LEVELS BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

18. WARRANTY

18.1 AFTER THE WORK IS COMPLETED, GIVE A WRITTEN GUARANTEE FOR ONE YEAR COVERING WORKMANSHIP AND MATERIALS. REPAIR OR REPLACE, WITHOUT EXPENSE TO THE OWNER, ANY DEFECTS DUE TO WORKMANSHIP OR MATERIALS WHICH IN THE OWNER'S OPINION, ARE NOT DUE TO MISUSE OR NEGLIGENCE.

19. CONDUITS AND RACEWAYS

19.1 RIGID GALVANIZED STEEL CONDUIT TO BE USED WHERE SUBJECT TO MECHANICAL DAMAGE.
 19.2 ELECTRICAL METALLIC TUBING (EMT) WITH COUPLINGS TO BE USED EXCEPT WHERE EMBEDDED IN CONCRETE OR SUBJECT TO UNDUE MOISTURE OR MECHANICAL DAMAGE.
 19.3 RIGID PVC CONDUIT WHERE EMBEDDED IN CONCRETE OR BELOW GRADE.
 19.4 FLEXIBLE ALUMINUM CONDUIT WITH WEATHERPROOF COVERING TO BE USED WHERE SUBJECT TO VIBRATION OR STRAIN RELIEF.
 19.5 CONDUITS IN FINISHED AREA SHALL BE CONCEALED.
 19.6 CONDUITS SHALL BE MINIMUM 1/2".

20. INSTALLATION OF OUTLETS

20.1 THE DRAWINGS SHOW APPROXIMATE LOCATION OF OUTLETS, EXACT LOCATION SHALL BE COORDINATED ON THE SITE WITH OTHER TRADES, ARCHITECTURAL DRAWINGS, ETC. OUTLETS INACCURATELY LOCATED SHALL BE READJUSTED OR RELOCATED AT THE CONTRACTOR'S EXPENSE. UNLESS OTHERWISE NOTED ON THE DRAWING LOCATE OUTLETS AS FOLLOWS:
 20.1.1 RECEPTACLES, TELEPHONE AND ALARM OUTLETS (15.5") 400mm ABOVE FINISHED FLOOR.
 20.1.2 OUTLETS OVER COUNTER (45") 1143mm ABOVE FLOOR OR CO-ORDINATION.
 20.1.3 OUTLETS IN MECHANICAL, ELECTRICAL AND TELEPHONE ROOMS (48") 1220mm ABOVE FLOOR.
 20.1.4 LIGHT SWITCHES NOT LESS THAN (35.4") 900mm AND NOT MORE THAN (43") 1100mm ABOVE FLOOR.
 20.2 RACEWAYS SHALL BE EMT UNLESS OTHERWISE NOTED.
 20.3 SUPPORT OUTLET BOXES, JUNCTION BOXES, CONDUIT AND THE LIKE.

21. RECEPTACLES

21.1 WHITE DUPLEX RECEPTACLES CSA TYPE 5-15R, 125V, 20A, T-SLOT, U GROUND.
 21.2 WHITE COVER PLATES.
 21.3 INSTALL RECEPTACLES WITH GROUND POSITION UP.
 21.4 IF RECEPTACLE IS SURFACE MOUNTED USE CAST BOX.

22. EXCAVATION, BACKFILL AND CONCRETE WORK

22.1 WHERE REQUIRED FOR UNDERGROUND SERVICE (POWER OR TELEPHONE) THE EXCAVATION, BACKFILL AND CONCRETE WORK SHALL BE BY THE GENERAL CONTRACTOR. THE ELECTRICAL TRADE SHALL SUPERVISE THE PROCESSING OF CONCRETE AROUND DUCT BANK, TO ENSURE THEY ARE FREE FROM VOIDS SHALL ADVISE THE GENERAL CONTRACTOR OF THIS WORK FOR INCLUSION IN THE GENERAL CONTRACTOR'S TENDER PRICE.

23. MECHANICAL EQUIPMENT

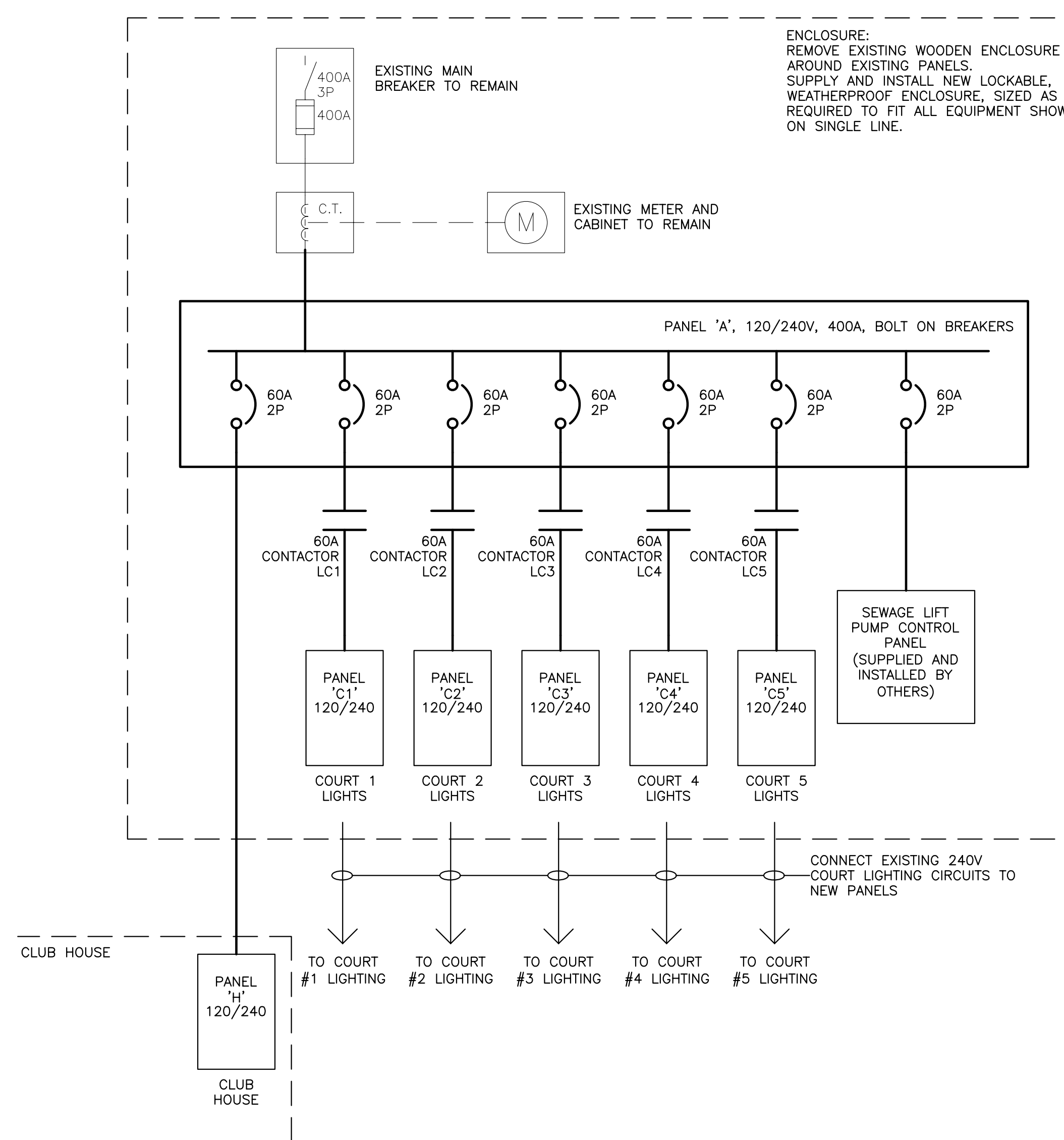
23.1 PROVIDE ALL CONDUIT, WIRING, SPLITTERS, OUTLET BOXES AND DISCONNECT SWITCHES AS SHOWN. ALL MOTOR, STARTERS AND CONTROL WIRING PROVIDED UNDER DIVISION 15 UNLESS OTHERWISE NOTED. INSTALL ALL STARTERS AND WIRE COMPLETE. ALL EXTERIOR DISCONNECTS TO BE RAINTIGHT.
 23.2 THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL MOTOR CONNECTION FOR PROPER PHASE ROTATION, WHERE APPLICABLE.

24. SWITCHES

24.1 20A, 120V, SINGLE POLE SWITCHES
 24.2 WHITE TOGGLE
 24.3 WHITE COVER PLATES.
 24.4 IF SWITCH IS SURFACE MOUNTED USE CAST BOX.

25. EQUIPMENT FOR EMERGENCY LIGHTING

25.1 SUPPLY VOLTAGE: 120V AC
 25.2 OUTPUT VOLTAGE: 12V DC.
 25.3 OPERATIONS TIME: 30 MINUTES MINIMUM
 25.4 CABINET: SUITABLE FOR DIRECT OR SHELF MOUNTING TO WALL C/W KNOCKOUTS FOR CONDUIT, REMOVABLE OR HINGED FRONT PANEL FOR EASY ACCESS TO BATTERIES.



PANEL 'H'
 120/240V, 1 PHASE, 3 WIRE, 125A BUS, 24 CIRCUIT, BOLT-ON BREAKERS, 10KA IC C/W FLUSH TRIM

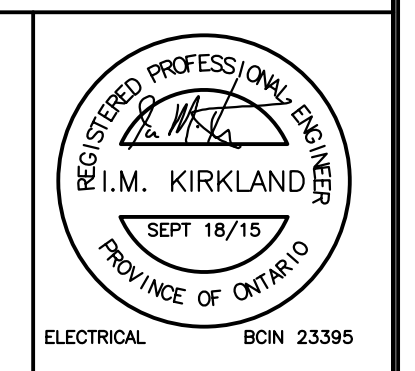
| DESCRIPTION | LOAD | BKR | CCT | CCT | BKR | LOAD | DESCRIPTION |
|-------------------------|------|-----|-----|-----|-----|------|-----------------------|
| WASHROOM GFI REC | x | 15A | 1 | 2 | 15A | x | W/R & KITCHEN LIGHTS |
| FRIDGE | x | 15A | 3 | 4 | 15A | x | LOUNGE & PRO-SHOP LTS |
| KITCHEN COUNTER GFI REC | x | 20A | 5 | 6 | 20A | 1.5 | HOT WATER TANK |
| COFFEE MAKER GFI REC | x | 20A | 7 | 8 | 1.5 | | |
| MICROWAVE GFI REC | x | 20A | 9 | 10 | 15A | x | EXISTING LOUNGE REC |
| DISHWASHER | x | 15A | 11 | 12 | 15A | x | EXISTING SUMP PUMP |
| EXIT SIGNS | x | 15A | 13 | 14 | 15A | x | SPARE |
| DOOR OPERATORS | x | 15A | 15 | 16 | 15A | x | SPARE |
| VENDING MACHINE | x | 15A | 17 | 18 | 15A | x | SPARE |
| LOUNGE REC | x | 15A | 19 | 20 | 15A | x | SPARE |
| KITCHEN REC | x | 20A | 21 | 22 | 15A | x | SPARE |
| KITCHEN REC | x | 20A | 23 | 24 | 15A | x | EXTERIOR LIGHTING |

TYPICAL COURT LIGHTING PANEL
 120/240V, 1 PHASE, 3 WIRE, 125A BUS, 12 CIRCUIT, BOLT-ON BREAKERS, 10KA IC

| DESCRIPTION | LOAD | BKR | CCT | CCT | BKR | LOAD | DESCRIPTION |
|---------------------|------|-----|-----|-----|-----|------|---------------------|
| TENNIS COURT LIGHTS | 1.1 | 20A | 1 | 2 | 20A | 1.1 | TENNIS COURT LIGHTS |
| | 1.1 | | 3 | 4 | | 1.1 | |
| TENNIS COURT LIGHTS | 1.1 | 20A | 5 | 6 | 20A | 1.1 | TENNIS COURT LIGHTS |
| | 1.1 | | 7 | 8 | | 1.1 | |
| x | x | x | 9 | 10 | x | x | |
| x | x | x | 11 | 12 | x | x | |

| NO. | DESCRIPTION | DATE | BY |
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| 0 | ISSUED FOR PERMIT | 15/09/18 | HK |

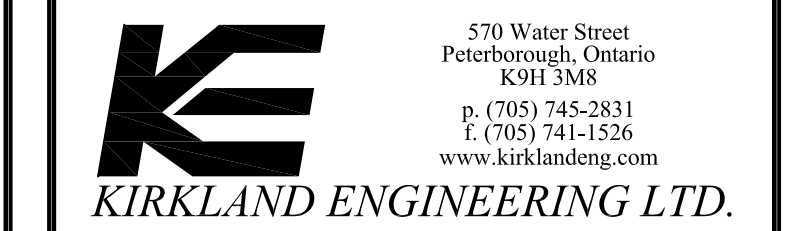
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PROJECT
QUAKER PARK TENNIS CLUB RENOVATIONS
 Driscoll Terrace
 Peterborough, ON

TITLE
SPECIFICATIONS AND DETAILS

| DESIGN | HK | SCALE | N.T.S. |
|----------|------|---------|-----------|
| DRAWN | HK | DWG NO. | E2 |
| CHECKED | IMK | | |
| APPROVED | IMK | | |
| PROJECT | 5631 | | |