

| LEGEND: |             |
|---------|-------------|
| SYMBOL  | DESCRIPTION |
|         |             |
|         |             |
|         |             |
|         |             |
|         |             |
|         |             |

| NO: | DATE:      | ISSUED:        |
|-----|------------|----------------|
| 0   | OCT. 19/21 | FOR PERMIT     |
| 1   | OCT. 21/21 | AS PER REQUEST |
| 2   | FEB. 04/22 | AS PER REQUEST |
| 3   | FEB. 07/22 | AS PER REQUEST |

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THIS DRAWING CAN NOT BE REPRODUCED WITHOUT THE WRITTEN PERMISSION BY YMSD CONSULTING.  
THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS SIGNED BY:  
DAN PUSICA, P.ENG  
SIGNATURE: .....  
DATE: .....  
DRAWN BY: **DR**      DESIGN BY: **DR**      CHECK BY: **DP**

NORTH ARROW:      SEAL:

**YMSD CONSULTING**  
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THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN, AND HAS MADE ALL NECESSARY REVISIONS TO THIS DESIGN AS REQUIRED BY THE BUILDING CODE OF THE PROVINCE OF ONTARIO.  
REQUIRED UNDER SECTION 1.1.1.1 (1) OF THE BUILDING CODE  
DATE: FEB 07/22      SIGNATURE: DAN PUSICA      REGISTRATION NO: 21266      EXP: FEB 07/22  
REQUIRED UNDER SECTION 1.1.1.1 (2) OF THE BUILDING CODE  
YMSD CONSULTING      REGISTRATION NO: 28060

PROJECT: **OFFICE EXPANSION  
395 WESTNEY ROAD SOUTH  
AJAX, ONTARIO**

SHEET TITLE: **LIGHTING LAYOUT**

SCALE: **1/8" = 1'**      DATE: **FEB. 07/22**  
PROJECT No: **R295**      DRAWING No: **E-01**



GENERAL ELECTRICAL NOTES

- MAKE SITE VISIT(S) AS NECESSARY BEFORE TENDER TO CHECK AND VERIFY ALL EXISTING CONDITIONS. MAKE ALLOWANCE FOR ANY NEW OR EXISTING SERVICE AND EQUIPMENT REALLOCATIONS NECESSARY TO COMPLETE THE WORK AND INCLUDE IN THE TENDER PRICE.
- THE DRAWINGS SHOW THE GENERAL INTENT OF THE WORK, NOT THE DETAILS OF INSTALLATION. CO-ORDINATE THE ROUTING AND INSTALLATION OF ALL ELECTRICAL SERVICES WITH ALL EXISTING CONDITIONS, STRUCTURE AND THE WORK OF ALL OTHER TRADES.
- DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL OR INTERIOR DESIGN DRAWINGS FOR THE EXACT LOCATION OF ANY DEVICES, FIXTURES, ETC.
- BASE BUILDING DRAWINGS AND SPECIFICATIONS ARE TO BE READ IN CONJUNCTION WITH THESE DRAWINGS AND SPECIFICATIONS SUCH THAT THE MAXIMUM CONDITIONS WILL GOVERN AND BE ALLOWED FOR.
- PROVIDE A WRITTEN WARRANTY FOR ALL MATERIALS, EQUIPMENT AND LABOR FOR A ONE-YEAR PERIOD TO BEGIN AT THE TIME WHEN THE WORK IS DESIGNATED ACCEPTABLE BY THE CONSULTANT.
- CO-ORDINATE THE ELECTRICAL WORK WITH ALL OTHER TRADES AND ENSURE THAT ALL SUBCONTRACTORS ARE OF COMPATIBLE UNION AFFILIATIONS.
- PROVIDE WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, BYLAWS AND TO THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION. MAKE APPLICATION, PROVIDE, OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND INSPECTIONS.
- ENSURE THAT BOTH PROVINCIAL AND FEDERAL TAXES ARE INCLUDED WHERE REQUIRED.
- PROVIDE IN THE TENDER PRICE ANY COSTS FOR PREMIUM TIME OUTSIDE OF NORMAL WORKING HOURS TO COMPLETE THE WORK ON SCHEDULE.
- PROVIDE ALL CLEAN-UPS, STORAGE, LIFTING, FLASHING, DRILLING, CUTTING AND PATCHING AS REQUIRED. OBTAIN PERMISSION BEFORE PENETRATING FLOOR SLAB OR STRUCTURE. PROVIDE X-RAY OF SLAB IF REQUIRED BY LANDLORD OR BASE BUILDING STRUCTURAL CONSULTANT. PATCH AND SEAL ALL OPENINGS IN FLOORS, WALLS AND PARTITIONS WITH FIRE RESISTANT INSULATION AND APPROVED FIRE STOP SEALANT.
- NO ALTERNATIVES FOR EQUIPMENT SHALL BE ACCEPTED WITHOUT WRITTEN APPROVAL OF THE CONSULTANT.
- PRODUCTS NOT SPECIFICALLY SPECIFIED SHALL BE OF A QUALITY CONSISTENT WITH THE REMAINDER OF THE SPECIFICATION.





EXIT AND EMERGENCY LIGHTS NOTES

- THE FOLLOWING NOTES SHALL APPLY TO THE CONSTRUCTION GOVERNED BY ALL DRAWINGS ATTACHED HERETO. ALL REFERENCES ARE TO THE APPLICABLE REQUIREMENTS OF THE ONTARIO REGULATION 403/97 UPDATE JULY 1, 2005 CONTAINING ONTARIO REGULATION 245/05 UNDER THE ONTARIO BUILDING CODE ACT THE ONTARIO BUILDING CODE (O.B.C.)
- GENERAL CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO COMMENCING ANY WORK, AND TO REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- INSTALLATION OF ALL PRODUCTS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND SPECIFICATIONS, WHERE IN CONFLICT WITH GOVERNING CODES AND/OR REGULATIONS, THE CODES/REGULATIONS SHALL APPLY.
- EXIT LIGHTS SHALL BE PROVIDED AS PER O.B.C. ARTICLE 3.4.5.11
- MINIMUM LIGHTING SHALL BE PROVIDED IN CONFORMANCE WITH O.B.C. ARTICLE 3.2.7.1
- EMERGENCY LIGHTING SHALL BE PROVIDED IN EXITS AND PRINCIPLE ROUTES PROVIDING ACCESS TO AN EXIT IN OPEN FLOOR AREAS AS PER O.B.C. ARTICLE 3.2.7.3
- APPLY FOR ALL PERMITS, SERVICES & AND PAY ALL FEES TO THE AUTHORITIES HAVING JURISDICTION.
- CONTRACTORS SHALL BE RESPONSIBLE FOR EXAMINING THE SITE TO DETERMINE THE EXTENT OF EXISTING CONDITIONS, PRIOR TO PROCEEDING WITH ANY QUOTATIONS.
- ELECTRICAL WIRING AND CABLES EXPOSED WITHIN THE CEILING SPACE MUST CONFORM TO THE PLENUM REQUIREMENTS OF OBC SENTENCE 3.6.4.3.(1).
- BATTERY OPERATED EMERGENCY LIGHTING UNITS MUST HAVE SUFFICIENT BATTERY CAPACITY TO OPERATE THE EMERGENCY LIGHTS FOR AT LEAST 2 HOURS AND CONFORM TO CSA C22.2 No. 141-02

















ELECTRICAL NOTES

- ALL WORK MUST CONFORM TO ONTARIO ELECTRICAL SAFETY CODE, LOCAL MUNICIPAL & PROVINCIAL LOWS AND REGULATIONS.
- APPLY FOR ALL PERMITS, SERVICES & AND PAY ALL FEES TO THE AUTHORITIES HAVING JURISDICTION.
- CONTRACTORS SHALL BE RESPONSIBLE FOR EXAMINING THE SITE TO DETERMINE THE EXTENT OF EXISTING CONDITIONS, PRIOR TO PROCEEDING WITH ANY QUOTATIONS.
- ALL CONTRACTORS SHALL INCLUDE ALL ITEMS/FIXTURES AS SPECIFIED BY ENGINEER'S DRAWINGS, ANY SUBSTITUTION SHALL BE APPROVED BY THE DESIGNERS PRIOR TO PROCEEDING WITH ANY WORK.
- ALL ELECTRICAL EQUIPMENT MOUNTED, CONNECTED OR DISCONNECTED BY THIS CONTRACTOR, WHETHER SUPPLIED BY HIM OR NOT SHALL BE IDENTIFIED.
- ARRANGE INSPECTION OF ALL WORK BY THE POWER AUTHORITY INSPECTION DEPARTMENT, ON COMPLETION OF WORK PRESENT TO THE OWNER THE UNCONDITIONAL CERTIFICATE OF APPROVAL.
- ALL ELECTRICAL EQUIPMENT REQUIRED TO COMPLETE THE WORK, WHETHER SHOWN, MENTIONED OR NOT SHALL BE INCLUDED.
- PROVIDED "AS BUILT" DRAWING TO THE OWNER, ON COMPLETION OF THE WORK. ARRANGE INSPECTION BY THE ENGINEER.
- PROVIDE TO THE OWNER A WRITTEN GUARANTEE FOR ONE (1) YEAR FROM THE DATE OF ACCEPTANCE.
- ALL MATERIAL SHALL BE NEW, OF TYPE SPECIFIED, FREE FROM DEFECTS AND C.S.A. APPROVED. SUBMIT SHOP DRAWINGS FOR ALL ELECTRICAL EQUIPMENT REPORTED TO THE DESIGNERS.
- THE MECHANICAL & ELECTRICAL ENGINEER'S DRAWINGS & SPECIFICATIONS SHALL GOVERN, WITH THE EXCEPTION OF THE LOCATION OF FIXTURES, OUTLETS, SWITCHES & OPENINGS NOTED & DIMENSIONED ON THE DESIGN DRAWINGS. DISCREPANCIES TO BE OPENINGS NOTED & DIMENSIONED ON THE DESIGN DRAWINGS. DISCREPANCIES TO BE REPORTED TO THE DESIGNERS.
- GENERAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL DIVISION 16 WORK (INCLUDING CABLE INSTALLERS, BELL, SECURITY & OTHER ELECTRICAL SUB TRADES) AND SHALL SCHEDULE TRADES AS REQUIRED.
- ALL OUTLETS, SWITCHES, DEVICES, FIXTURES & OPENINGS ARE DIMENSIONED TO CENTER OF OUTLET BOX UNLESS OTHERWISE NOTED. USE MULTI-GANGED OUTLET BOXES WHEREVER POSSIBLE (WITH COMMON FACE PLATES) UNLESS DIMENSIONED AS SEPARATE ON DESIGNERS DRAWINGS. REPORT ANY DISCREPANCIES OR QUERIES TO THE DESIGNER PRIOR TO PROCEEDING WITH ANY WORK.
- ALL OUTLET BOXES SHALL BE STAGGERED IN PARTITION (NOT BACK TO BACK) AS REQUIRED TO ENSURE THAT CONTINUOUS SOUND ATTENUATION BATTS CAN BE INSTALLED WITHOUT INTERRUPTION.
- WIRING SYSTEM SHOULD BE WITH BX CABLES MIN. SIZE #12 AWG
- PROVIDE ALL ELECTRICAL INSTALLATION FOR NEW OR RELOCATED MECHANICAL EQUIPMENT.
- CONTRACTOR TO PROVIDE AFCI BREAKERS FOR ALL RECEPTACLES INSTALLED IN BEDROOMS.
- CONTRACTOR SHALL PROVIDE AND INSTALL 5-20A GFI RECEPTACLES ON EITHER SIDE OF THE KITCHEN SINK WITH NO MORE THAN 2 GFI RECEPTACLES ON ONE 20A CIRCUIT

EMERGENCY & EXIT LIGHTS LEGEND

-  WALL/CEILING EXIT LIGHT-ARROWS AS INDICATED
-  WALL EXIT LIGHT EMERGENCY REMOTE HEAD COMBO
-  BATTERY PACK/W HEADS AS INDICATED
-  WALL/CEILING MOUNTED EMERGENCY REMOTE HEADS

ELECTRICAL SCHEDULE

| SYMBOL  | DESCRIPTION  |
|---|--|
| <b>SMALL POWER</b>  |  |
|  | DUPLEX RECEPTACLE 120V, 15A/20A.                   |
|  | GROUND FAULT CIRCUIT INTERRUPTER                   |
|  | DUPLEX RECEPTACLE 120V, 15A/20A.                   |
|  | DUPLEX RECEPTACLE DEDICATED CIRCUIT 120V, 15A/20A. |
|  | SPECIAL PURPOSE RECEPTACLE 240V,30A                |
|  | RECEPTACLES MOUNTED OVER COUNTER                   |
|  | DIRECT CONNECTION, CIRCUIT 240V                    |
|  | DIRECT CONNECTION, CIRCUIT 120V, 15A/20A.          |
|  | CEILING MOUNTED RECEPTACLE                         |
|  | EXHAUST FAN  |
|  | FLOOR MOUNTED RECEPTACLE                           |
|  | PANELBOARD FLUSH MOUNTED / SURFACE MOUNTED         |
|  | POWER DOOR OPENER (PUSH BUTTON) 120V, 15A CIRCUIT  |
|  | VOICE/DATA   |
|  | VOICE/DATA 2-PORT SURFACE MOUNT HOUSING, CAT6      |
|  | TV RECEPTACLE                                      |

NOT ALL SYMBOLS SHOWN IN LEGEND ARE NECESSARILY USED IN THE DRAWING SET.

NOTE:  
ALL OUTLETS MOUNTED @ 12" AFFL  
UNLESS OTHERWISE NOTED

EXISTING


| DESCRIPTION      | WIRE         | BKR | CIRCUIT | BKR | WIRE | DESCRIPTION  |
|------------------|--------------|-----|---------|-----|------|--------------|
| GENERAL LIGHTING | 2010MS + ONE | 15A | 1       | 2   | 15A  | 2010MS + ONE |
| GENERAL LIGHTING | 2010MS + ONE | 15A | 3       | 4   | 15A  | 2010MS + ONE |
| RECEPTACLE       | 2010MS + ONE | 15A | 5       | 6   | 15A  | 2010MS + ONE |
| RECEPTACLE       | 2010MS + ONE | 15A | 7       | 8   | 15A  | 2010MS + ONE |
| RECEPTACLE       | 2010MS + ONE | 15A | 9       | 10  | 15A  | 2010MS + ONE |
|                  |              |     | 11      | 12  |      |              |
|                  |              |     | 13      | 14  |      |              |
|                  |              |     | 15      | 16  |      |              |
|                  |              |     | 17      | 18  |      |              |
|                  |              |     | 19      | 20  |      |              |
|                  |              |     | 21      | 22  |      |              |
|                  |              |     | 23      | 24  |      |              |
|                  |              |     | 25      | 26  |      |              |
|                  |              |     | 27      | 28  | 20A  | 2010MS + ONE |
|                  |              |     | 29      | 30  |      |              |
|                  |              |     | 31      | 32  | 20A  | 2010MS + ONE |
|                  |              |     | 33      | 34  |      |              |
|                  |              |     | 35      | 36  | 20A  | 2010MS + ONE |
|                  |              |     | 37      | 38  |      |              |
|                  |              |     | 39      | 40  | 20A  | 2010MS + ONE |
|                  |              |     | 41      | 42  |      |              |
|                  |              |     | 43      | 44  |      |              |
|                  |              |     | 45      | 46  |      |              |
|                  |              |     | 47      | 48  |      |              |
|                  |              |     | 49      | 50  |      |              |
|                  |              |     | 51      | 52  |      |              |
|                  |              |     | 53      | 54  |      |              |
|                  |              |     | 55      | 56  |      |              |
|                  |              |     | 57      | 58  |      |              |
|                  |              |     | 59      | 60  |      |              |

NOTES:  
- PANELS C/W "TRIP-IN" OR BOLT-ON BREAKERS  
- PANELS SHALL BE SUITABLE FOR THE USE OF DOUBLE BREAKERS WHICH SHALL BE USED SHOULD THE ACTUAL PROPORTION OF REQUIRED CIRCUITS/EMPTY SPACE EXCEED CODE REQUIREMENTS.

CIRCUIT NUMBERS ON THIS DRAWING ARE FOR DESIGN PURPOSE ONLY. CONTRACTOR SHALL ESTABLISHED A CORRECT CONNECTION CIRCUIT NUMBER AT SITE DURING

NOTE: IF EXISTING PANEL P DO NOT HAVE ENOUGH EMPTY SPACES NEW PANEL MUST BE INSTALLED

LIGHTING SCHEDULE

| SYMBOL  | DESCRIPTION/SPECIFICATION                 |
|---|---|
|  | 4'-0"x14" LED<br>FIXTURE RECESSED MOUNTED |

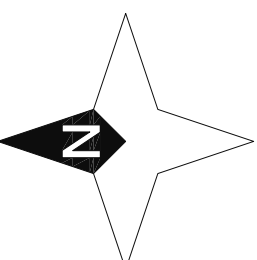

- ALL LUMINAIRES WILL BE SELECTED BY CLIENT OR ARCHITECT

LEGEND: SYMBOL DESCRIPTION

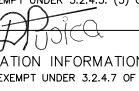
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DAN PUSICA, P.ENG  
SIGNATURE: .....

DATE: .....  
DRAWN BY: DR DESIGN BY: DR CHECK BY: DP

NORTH ARROW:  SEAL: 

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THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THE DESIGN, AND HAS MADE THE NECESSARY CHECKS AND VERIFICATIONS TO BE MADE BY THE ENGINEER.  
QUALIFICATION INFORMATION  
DAN D.M. PUSICA, P.ENG, License No. 21266, Province of Ontario  
SIGNATURE:  REGISTERED PROFESSIONAL ENGINEER  
YMSD CONSULTING, 226 PACIFIC AVE., TORONTO, ONT. M6P 2P5

PROJECT: OFFICE EXPANSION  
395 WESTNEY ROAD SOUTH  
AJAX, ONTARIO

SHEET TITLE: NOTES  
SCALE: 1/8" = 1' DATE: FEB. 07/22  
PROJECT No: R295 DRAWING No: E-03