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| DRAWING LIST | |
|--------------|--|
| DRAWING | DESCRIPTION |
| E1 | ELECTRICAL DRAWING LIST, LEGENDS AND LIGHTING FIXTURE SCHEDULE |
| E2 | ELECTRICAL POWER DISTRIBUTION SINGLE LINE DIAGRAM |
| E3 | ELECTRICAL LIGHTING AND FIRE ALARM DETECTION LAYOUT |
| E4 | ELECTRICAL POWER AND SYSTEM DETAIL LAYOUT |
| E5 | ELECTRICAL LIGHTING AND FIRE ALARM NEW LAYOUT |
| E6 | ELECTRICAL POWER AND SYSTEM NEW LAYOUT |
| E7 | ELECTRICAL DATA, CONDUITS AND CONDUIT LAYOUT |
| E8 | ELECTRICAL SECURITY LAYOUT |
| E9 | ELECTRICAL TELECOM ROOM AND ELECTRICAL ROOMS LAYOUTS |
| E10 | ELECTRICAL PANEL SCHEDULES |
| E11 | ELECTRICAL MODULAR EQUIPMENT DETAILS |
| E12 | ELECTRICAL MODULAR EQUIPMENT DETAILS |
| E13 | ELECTRICAL DETAILS |
| E14 | ELECTRICAL BOARDROOM AND OFFICE WIRING DIAGRAM FOR CONTROL DRAWING |

ABBREVIATION LEGEND

| ABBREVIATION | DESCRIPTION |
|--------------|---------------------------------|
| C | CIRCUIT MOUNTED |
| W2 | WIRE BOARD |
| GR1 | GROUND FAULT INTERRUPTING, 5 mA |
| RB | RELAY BASE |
| WP | WEATHERPROOF |
| AF | ADJUST RANGING FLOOR |
| FR | FRICTION |
| WM | WORKING |
| OC | OVER CURRENT |
| DED | DEDICATED |

LINE TYPE LEGEND

| LINE TYPE | DESCRIPTION |
|-----------|--------------------------|
| ———— | EXISTING TO BE REMAIN |
| ----- | EXISTING TO BE REMOVED |
| ———— | NEW WORK TO BE COMPLETED |

1W FIT-UP AND M&E UPGRADE 240 SPARKS STREET, OTTAWA, ONTARIO ELECTRICAL

INTERIOR LIGHTING FIXTURE SCHEDULE - REFER TO SPECIFICATIONS FOR DETAILS

| TYPE | DESCRIPTION | LIGHTING FIXTURE | | | COMMENTS |
|------|---|------------------|----------|------------|-------------------------|
| | | GY | TYPE | WATT | |
| 1 | DIRECT/INDIRECT FLUORESCENT LIGHT FIXTURE | 2 | T8HO 40W | 3000K | SUSPENDED AT 2180mm AFF |
| 2 | RECESSED WALL WAGER LIGHT FIXTURE | 1 | LED 17W | 3000K 120V | RECESSED |
| 3 | COMPACT FLUORESCENT SQUARE DOWNLIGHT FIXTURE | 2 | DS11 24W | 3000K 120V | RECESSED |
| 4 | SUSPENDED FLUORESCENT LIGHT FIXTURE | 2 | T8 28W | 3000K 120V | SUSPENDED |
| 5 | 1220mm FLUORESCENT STRIP LIGHT FIXTURE | 2 | T8 28W | 3000K 120V | SUSPENDED C/A M&E CLARO |
| 6 | WALL SOURCE LIGHT FIXTURE | 2 | CL 13W | 3000K 120V | WALL |
| 7 | COMPACT FLUORESCENT DOWNLIGHT FIXTURE | 2 | CL 16W | 3000K 120V | RECESSED |
| 8 | 1220mm UNDERCABINET FLUORESCENT STRIP FIXTURE | 1 | T8 32W | 3000K 120V | SURFACE |

LIGHTING AND FIRE ALARM LEGEND

| SYMBOL | DESCRIPTION |
|--------|---|
| | BASE BUILDING LIGHT FIXTURE |
| | DIRECT/INDIRECT FLUORESCENT LIGHT FIXTURE - TYPE AS SHOWN |
| | FLUORESCENT STRIP LIGHT FIXTURE - TYPE AS SHOWN |
| | SQUARE DOWNLIGHT FIXTURE - TYPE AS SHOWN |
| | DOWNLIGHT FIXTURE - TYPE AS SHOWN |
| | WALL MOUNTED LIGHT FIXTURE - TYPE AS SHOWN |
| | LIGHT FIXTURES ON EMERGENCY POWER |
| | WALL MOUNTED SWITCH - W/L 1200mm A.F.F. |
| | WALL MOUNTED 3-WAY SWITCH - W/L 1200mm A.F.F. |
| | DIMMER SWITCH - W/L 1200mm A.F.F. |
| | OCCUPANCY WALL MOUNTED SWITCH |
| | LOW VOLTAGE WALL MOUNTED SWITCH |
| | LIGHTING CONTROL PANEL |
| | CEILING MOUNTED OCCUPANCY SENSOR |
| | BREAKOUT SENSOR |
| | CEILING MOUNTED EXIT LIGHT, SINGLE OR DOUBLE-FACE AS SHOWN |
| | WALL MOUNTED EXIT LIGHT, SINGLE OR DOUBLE-FACE AS SHOWN |
| | FIRE ALARM HEAT DETECTOR, 85°C |
| | FIRE ALARM PULL STATION |
| | FIRE ALARM SPEAKER |
| | CEILING MOUNTED FIRE ALARM VISUAL SIGNAL DEVICE |
| | 5 WIRES ISOLATED RECEPTACLE C/W 4-1/16 BOX FOR CONNECTION OF EMERGENCY LIGHTING |
| | 3 WIRES ISOLATED RECEPTACLE C/W 4-1/16 BOX FOR CONNECTION OF EXIT LIGHTS |
| | 5 WIRES ISOLATED RECEPTACLE C/W 4-1/16 BOX FOR CONNECTION OF LC BOXES |
| | 400mm x 500mm x 500mm LIGHTING AND INTEGRATED CONTROL (LIC) MODULE |
| | REMOTE EMERGENCY LIGHTING DUAL HEAD - WALL MOUNTED |

POWER AND SYSTEMS LEGEND

| SYMBOL | DESCRIPTION |
|--------|---|
| | 15A, 120V WALL MOUNTED DUPLEX RECEPTACLE |
| | DEDICATED DUPLEX RECEPTACLE |
| | RECEPTACLE INSTALLED OVER COUNTER |
| | SINGLE RECEPTACLE |
| | SPECIAL RECEPTACLE - TYPE AS INDICATED |
| | 5-20R RECEPTACLE |
| | SPLIT RECEPTACLE |
| | COMBINATION POWER/TELEPHONE/FLOOR MOUNTING FLOOR MOUNTING SHALL ACCOMMODATE 100A |
| | POWER FLOOR MOUNTING |
| | TELECOM FLOOR MOUNTING |
| | EMERGENCY FIRE C/W JUNCTION BOX AT TOP OF POLE BY OTHERS MAKE FINAL FUTURE CONNECTION AT THIS BOX & CONNECT TO CEILING JUNCTION BOX |
| | DISCONNECT SWITCH |
| | COMBINATION MAGNETIC MOTOR STARTER |
| | MOTOR STARTER C/W TERMINALS AS A DISCONNECTING MEANS AND CABLE TO THE UNIT INDICATED |
| | TRANSDUCER |
| | TRANSDUCER PROVIDED BY ELECTRICAL |
| | TRANSDUCER SUPPLIED BY MECHANICAL, INSTALLED & WIRED BY ELECTRICAL |
| | SPEED SWITCH SUPPLIED BY MECHANICAL, INSTALLED & WIRED BY ELECTRICAL |
| | SINGLE PHASE ELECTRIC MOTOR |
| | HOT WATER TANK |
| | SURFACE MOUNTED PANEL |
| | RECESSED PANEL |
| | BARBED-FENCE DOOR BREAKER C/W HOSE/BOOTS |
| | FLEXIBLE CONDUIT |
| | CONDUIT DOWN |
| | CONDUIT UP |
| | HARD WIRE CONNECTION |
| | CONDUIT STUB C/W BUSSING |
| | UNIT HEATER |
| | TELECOM QUIET BOX |
| | PANEL ADDRESS (P/A) SPEAKER, CEILING MOUNTED |
| | CARD READER |
| | ELECTRICAL STRIKE |
| | DOOR CONTACT |
| | SECURITY ALARM KEY PAD |
| | CCTV CAMERA |
| | TELECOM DISTRIBUTION BOX |
| | CABLE TRAY |
| | CONDUIT SYSTEM |
| | 8 CIRCUITS POWER DISTRIBUTION MODULE (PWM) BOX |
| | 10 CIRCUITS POWER DISTRIBUTION MODULE (PWM) BOX |
| | SINGLE GANG ELECTRIC JUNCTION BOX C/W 35mm CONDUIT BETWEEN EACH BOX |
| | POWER DISTRIBUTION MODULE (PWM) NUMBER |
| | 120V JUNCTION BOX, 100A/100A/100A UNLESS NOTED OTHERWISE |
| | WALL/DOOR DUCT FLOOR ACCESS PANEL |
| | PULL BOX |
| | TELECOM PULL BOX |
| | SOUND WARNING SPEAKER |
| | SERVICE POLE |



L'ENTREPRENEUR DEVRA VÉRIFIER TOUTES
LES DIMENSIONS ET LES CONDITIONS SUR LE
CHANTIER ET AVISER SANS DÉLAI L'INGÉNIEUR
DE TOUTE ANOMALIE.

Contractor to verify all dimensions
& conditions on site and immediately
notify the engineer of all discrepancies.

| revisions | description | date |
|-----------|-------------------------|------------|
| 1 | ISSUED FOR 60% REVIEW | 2014/07/06 |
| 2 | ISSUED FOR COORDINATION | 2014/08/15 |
| 3 | ISSUED FOR 90% REVIEW | 2014/08/15 |
| 4 | ISSUED FOR 100% REVIEW | 2014/10/01 |
| 5 | ISSUED FOR TENDER | 2014/10/28 |
| 6 | RE-ISSUED FOR TENDER | 2014/11/04 |

| | | |
|---|----------------------|-----|
| A | no. du dessin | A |
| B | revision drawing no. | B |
| C | drawing no. | C |
| C | design no. | B/C |

1W FIT-UP AND M&E UPGRADE

OTTAWA, ONTARIO

ELECTRICAL: DRAWING LIST, LEGENDS AND LIGHTING FIXTURE SCHEDULE

| | | |
|-------------|-------------------|---------------|
| Designed By | F. SALAH | Conçu par |
| Date | 2014/05 | (yyyy/mm/dd) |
| Drawn By | F. SALAH | Dessiné par |
| Date | 2014/05 | (yyyy/mm/dd) |
| Reviewed By | F. GROUX | Examiné par |
| Date | 2014/05 | (yyyy/mm/dd) |
| Approved By | W. NEEDHAM | Approuvé par |
| Date | 2014/05 | (yyyy/mm/dd) |
| Tender | STEPHANIE CORNIER | Soumission |
| Project no. | R.064703.002 | No. du projet |
| Drawing no. | E1 | No. du dessin |

