



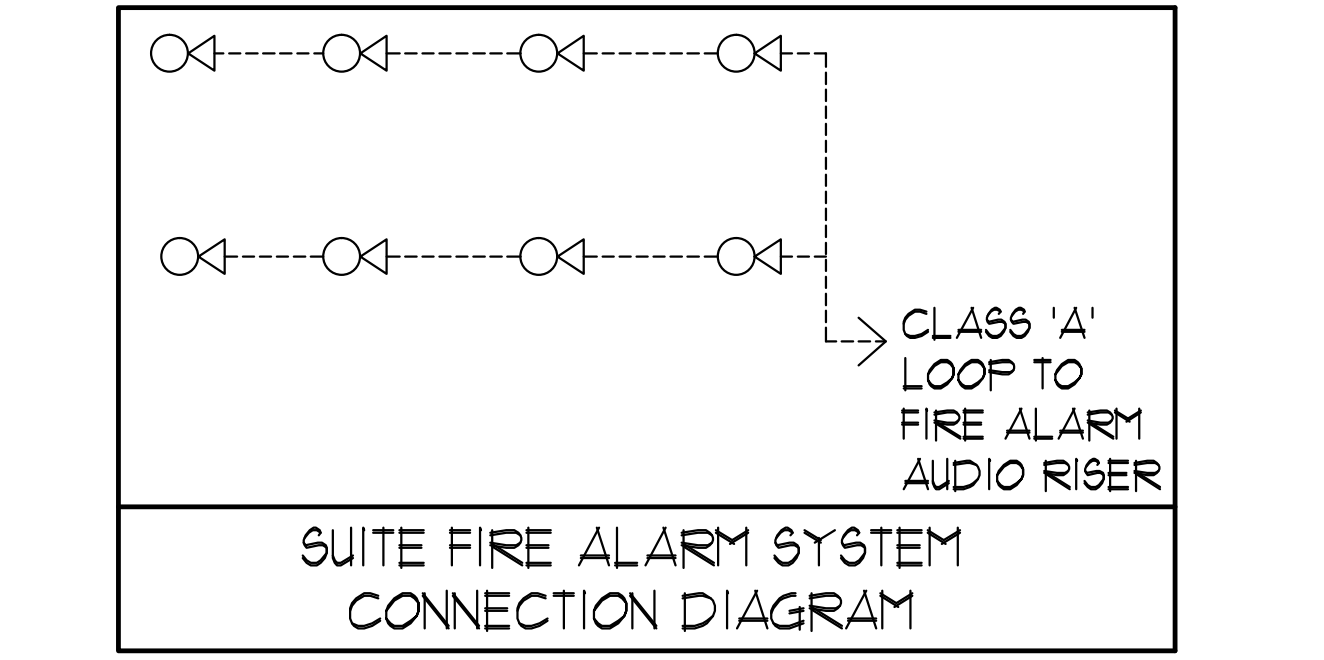
**GENERAL AREA CIRCUITING - TABLE #1**

|                                |                                      |
|--------------------------------|--------------------------------------|
| F2 TO F1 - EXIT SIGNS          | E-1                                  |
| G/F TO M/FH - EXIT SIGNS       | E-3                                  |
| M/FH - EXIT SIGNS              | ER-1                                 |
| STAIR 'A' (F2 TO G/F)          | E-5                                  |
| STAIR 'B' (F2 TO G/F)          | E-7                                  |
| STAIR 'J' (G/F TO 4/F)         | E-9                                  |
| STAIR 'J' (5/F TO 9/F)         | E-11                                 |
| STAIR 'G' (G/F TO 14/F)        | E-13                                 |
| STAIR 'H' (G/F TO 14/F)        | E-15                                 |
| STAIR 'K' (14/F TO M/FH) 4 MPH | ER-3ER-5R-17R-19                     |
| (G/F)                          | E-2E-4E-6E-16E-18E-20E-22E-14E-16    |
| (G/F)                          | BI-2BI-4BI-6BI-8BI-10BI-12BI-14BI-16 |
| (G/F)                          | BI-18BI-20BI-22BI-24BI-26BI-28BI-30  |
| CORRIDOR (2/F 4 3/F)           | E-24                                 |
| CORRIDOR (4/F 4 5/F)           | E-26                                 |
| CORRIDOR (6/F 4 7/F)           | E-28                                 |
| CORRIDOR (8/F TO 11/F)         | E-30                                 |
| CORRIDOR (12/F TO 14/F)        | E-32                                 |
| CORRIDOR 4 LOCKER (2/F)        | B-46                                 |
| CORRIDOR (3/F)                 | B-48                                 |
| CORRIDOR (4/F)                 | B-50                                 |
| CORRIDOR (5/F 4 6/F)           | B-52                                 |
| CORRIDOR (7/F 4 8/F)           | B-54                                 |
| CORRIDOR (9/F TO 11/F)         | B-56                                 |
| CORRIDOR (12/F TO 14/F)        | B-58                                 |
| ELEVATOR CAB                   | ER-6, ER-8ER-10                      |
| EXTERIOR SITE                  | EI-1E1-3E1-5E1-2E1-4E1-6             |

**RECEPTACLE LOCATION C.C.T.#**

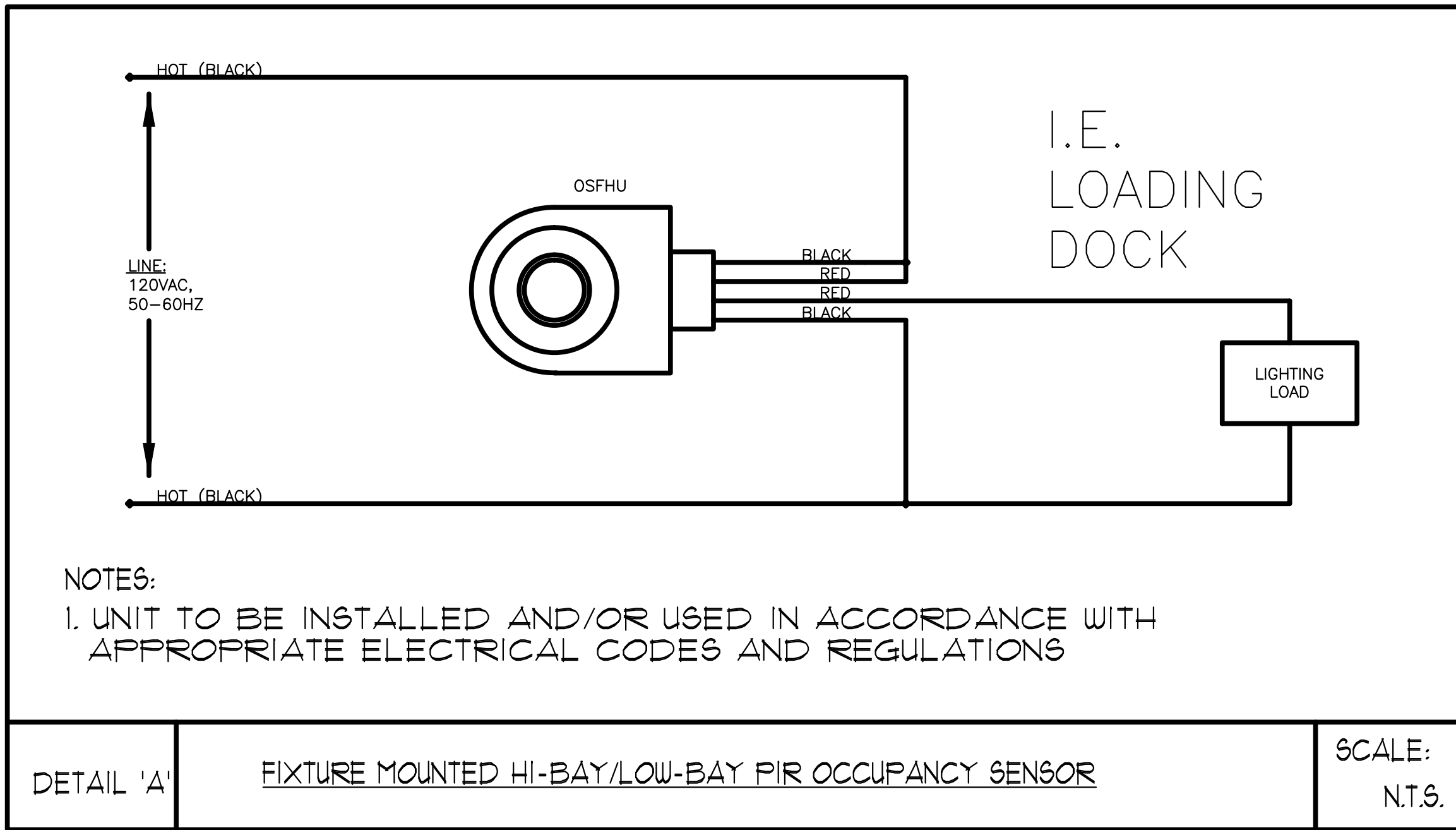
|                                 |                                    |
|---------------------------------|------------------------------------|
| ELEC. S. CLOSET (G/F TO 9/F)    | B-2                                |
| ELEC. N. CLOSET (2/F TO 9/F)    | B-4                                |
| ELEC. N. CLOSET (10/F TO 14/F)  | B-6                                |
| ELEC. N. CLOSET (12/F TO 33/F)  | B-8                                |
| ELEV. LOBBY (F2 TO 8/F)         | B-10                               |
| CORRIDOR (2/F TO 8/F)           | B-12-B-14-B-16-B-18-B-20-B-22-B-24 |
| CORRIDOR (2/F TO 5/F)           | B-26-B-28                          |
| ELEV. LOBBY (3 TO 14/F)         | B-30                               |
| CORRIDOR (9/F TO 14/F)          | B-32-B-34-B-36-B-38                |
| STAIR A (G/F) 4 J (9/F 6/F 3/F) | B-40                               |
| STAIR F (14/F) B/F 5/F 2/F)     | B-42                               |
| STAIR H (14/F) B/F 5/F 2/F)     | B-44                               |
| STAIR 'K' 4 MPH                 | R-2                                |

- KEY NOTES - INSUITE:**
- DESIGNATED "LAUNDRY RECEPTACLE" AS DEFINED BY ESA CODE 26-102(a)(11), 26-102(b) AND ESA BULLETIN 26-26-0 (WITHIN 3m RADIUS OF LAUNDRY CLOSET). RECEPTACLE SHALL BE CONNECTED TO A DEDICATED CIRCUIT. SEE DETAIL #4 ON DWG. E-35.
  - SUITE DOOR CONTACTS AND GLASS BREAK DETECTOR WILL COMPLETE WITH INTRUSION ALARM SYSTEM THAT CONTACT TO THE CONCIERGE STATION (TYPICAL)
  - FOR FAN COIL UNITS (FCU) ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL CONDUIT AND JUNCTION BOX FOR REMOTE THERMOSTAT. MECHANICAL CONTRACTOR SHALL SUPPLY WIRE, TERMINATE WIRING AND MOUNT THERMOSTAT.
  - INSTALL SIDE-MOUNTED RECEPTACLE ON KITCHEN ISLAND CABINET.
  - SWITCHES, RECEPTABLES, ETC. TO BE INSTALLED AS TO NOT INTERFERE WITH THE OPENING AND OPERATION OF SLIDING DOOR.
  - TERRACE LIGHTING FIXTURE AND RECEPTACLE SHALL BE CENTERED ON PANEL (300MM FROM CENTRE OF DOOR MULLION). REFER TO ARCHITECTURAL ELEVATION.



**MOUNTING HEIGHT SCHEDULE (TO TOP OF BOX)**

| OUTLET            | SUITES       | PUBLIC AREA  |
|-------------------|--------------|--------------|
| RECEPTACLE        | 400 MM AFF.  | 400 MM AFF.  |
| TV OUTLET         | 400 MM AFF.  | 400 MM AFF.  |
| TELEPHONE OUTLET  | 400 MM AFF.  | 400 MM AFF.  |
| MULTI-PORT OUTLET | 400 MM AFF.  | 400 MM AFF.  |
| SECURITY PANEL    | 1200 MM AFF. | 1200 MM AFF. |
| SILENCE SWITCHES  | 1200 MM AFF. | 1200 MM AFF. |
| THERMOSTAT        | 1200 MM AFF. | 1200 MM AFF. |
| INTERCOM          |              | 1200 MM AFF. |
| V.C. HANDSET      |              | 1200 MM AFF. |
| PULL STATION      |              | 1200 MM AFF. |



- GENERAL NOTES - RESIDENTIAL:**
- ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH MECHANICAL, STRUCTURAL, ARCHITECTURAL AND LANDSCAPE DRAWINGS.
  - CONTRACTOR SHALL RUN CABLES WITHIN CEILING SLAB OR ENCLOSURES TO RETAIN 2 HOUR FIRE PROTECTION RATING FOR ALL LOADS THAT CONNECT TO EMERGENCY POWER.
  - FIRE ALARM RISERS SHALL BE RUN IN 2 HOUR FIRE RATED ELECTRICAL CLOSET. REFER TO DWG. E-32 FOR RISER DIAGRAM AND DETAILS.
  - STAIRWAY WALL MOUNTED EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED @ 1' AFF. MIN.
  - FOR STORAGE ROOM VENTILATION SYSTEM, DIV. 16 TO PROVIDE CONDUIT, WIRING AND SWITCH (S) TO START/STOP FAN AND DAMPER. FAN AND 110V ACTUATOR TO BE SUPPLIED AND INSTALLED BY DIV. 15.
  - FOR UTILITY ROOM VENTILATION SYSTEM, DIV. 15 WILL PROVIDE LINE VOLTAGE THERMOSTAT (T) TO DIV. 16. DIV. 16 TO PROVIDE CONDUIT AND WIRING TO START/STOP FAN AND DAMPER VIA THERMOSTAT. FAN AND 110V ACTUATOR TO BE SUPPLIED AND INSTALLED BY DIV. 15.
- FOR UNIT HEATER, DIV. 15 TO PROVIDE LINE VOLTAGE THERMOSTAT (T). DIV. 16 TO PROVIDE CONDUIT AND WIRING TO START/STOP UNIT HEATER.
  - REFER TO SPRINKLER DRAWINGS FOR FIRE PROTECTION DEVICE TO BE CONNECTED TO THE FIRE ALARM SYSTEM. THE DEVICE AND EQUIPMENT SHALL FORM AN INTEGRAL PART OF THE ELECTRICAL CONTRACT.
  - DIV. 16 SHALL SUPPLY AND INSTALL CONDUITS, WIRES AND INTERLOCK FANS TO MOTORIZED DAMPERS AND TO THE THERMOSTAT.
  - DIV. 16 SHALL SUPPLY AND INSTALL CONDUITS, WIRES AND INTERLOCK FANS TO MOTORIZED DAMPERS AND TO THE THERMOSTAT.
  - REFER TO SUITE PANEL SCHEDULES FOR INSUITE CIRCUIT ARRANGEMENT.
  - ALL DUELLING UNIT RECEPTABLES EXCEPT IN KITCHEN SHALL BE TAMPER PROOF.
  - PROVIDE GROUND FAULT PROTECTION FOR SUITE KITCHEN, AMENITY KITCHEN AND WASHROOM RECEPTABLES WITHIN 1500mm OF SINK.
  - PROVIDE TELECOMMUNICATION BOX (C/W BUILT-IN RECEPTACLE FOR TELECOMMUNICATION. TELECOMMUNICATION BOX SHALL BE COMPLIANT WITH THE TELECOM SERVICE PROVIDER SPECIFICATION. REFER TO DETAIL #3 ON DWG. E-35 FOR TELECOM JUNCTION BOX INSTALLATION.
  - DRYER SENSOR TO START DRYER VENTILATION FAN AUTOMATICALLY WHEN DRYER IS RUNNING.
  - ALL SMOKE ALARMS WITHIN THE SUITE SHALL BE HARDWIRED TOGETHER AND TO A 15A, 1P CIRCUIT BREAKER AHEAD OF OTHER LOADS.
  - ALL OUTDOOR RECEPTABLES SHALL BE WEATHERPROOF (LEGRADE CAT# 332TRUR-GRY FOR NON-GFCI AND CAT# 1595TRUR-GRY FOR GFCI) AND SHALL BE EQUIPPED WITH A WHILE IN USE CAST ALUMINUM COVERPLATE (LEGRADE CAT# WUUCASTI) COVERPLATE.

- KEY NOTES - RESIDENTIAL - COMMON AREA:**
- FOR CIRCUITING, REFER TO TABLE #1.
  - PROVIDE ALARM SPEAKER, SMOKE DETECTOR AND RECEPTACLE AT EVERY THIRD FLOOR STAIR WELL STARTING FROM TOP FLOOR, AS PER TO DWG. E-32 FOR FIRE ALARM RISER DIAGRAM.
  - PROVIDE TELECOMMUNICATION BACKBOARD (C/W 15V, 1A RECEPTACLE AS PER COMMUNICATION RISER DIAGRAM ON DWG. E-31).
  - CONTRACTOR SHALL REFER TO ELECTRICAL SINGLE LINE DIAGRAM ON DWG. E-30 AND SDP RISER ON DWG. E-31 FOR SDP LOCATIONS AND DISTRIBUTION.
  - PROVIDE CONDUIT AS PER RISER DETAIL #9 ON DWG. E-35 FOR TRISORTER CONTROL SYSTEM.
  - REFER TO SUPERVISED VALVE AND FLOW SWITCH SCHEDULE ON DWG. E-33 FOR DETAILS ON TYPICAL FLOORS.
  - EMERGENCY LIGHT FIXTURES IN LOCKERS, STORAGE, GARBAGE, UTILITY AND SERVICE ROOMS SHALL BE CONNECTED TO BOTH NORMAL AND EMERGENCY POWER AS PER DETAIL #21 OF DWG. E-35.
  - ELECTRICAL NORTH RISER UP TO 14/F
  - ELECTRICAL SOUTH RISER UP TO 8/F
  - PROVIDE (S) FOR ALL SUITES ON THIS FLOOR.

**ELECTRICAL LEGEND**

**LIGHTING**

- FLUORESCENT LIGHT FIXTURE, TYPE AS INDICATED
- LIGHT OR LIGHT CONNECTED TO EMERGENCY POWER
- CEILING MOUNTED WALL MOUNTED LIGHT FIXTURE
- POLE MOUNTED LIGHT FIXTURE
- POLE MOUNTED LIGHT FIXTURE INCREASED LETTER DENOTES TYPE
- TRACK LIGHT
- TRIP LIGHT
- UNDER CABINET FLUORESCENT LIGHT FIXTURE
- CEILING MOUNTED WALL MOUNTED EXIT SIGN
- EMERGENCY LIGHTING LAMP RECEPTACLE HEAD
- EMERGENCY BATTERY PACK
- OCCUPANCY SENSOR POWER PACKS
- SINGLE/DOUBLE/THREE POLE SINGLE/DOUBLE/THREE THROU THE WALL SWITCH RESPECTIVELY
- 1/4" x 1/4" x 1/4" DENOTES 3-WAY/4-WAY FLOOR LIGHT, DIMMER SWITCHED LIGHT RESPECTIVELY
- MASTER LIGHTING SHUT-OFF SWITCH
- OCCUPANCY LIGHT SWITCH, SELF POWERED
- OCCUPANCY SENSOR CEILING MOUNTED

**POWER**

- REGULAR DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE GROUND FAULT INTERRUPT
- 3-PIN T-FLUT DUPLEX RECEPTACLE
- TRIPLE RECEPTACLE TYPE AND CONFIGURATION AS SPECIFIED FOR DRIVER
- CONNECTION FOR OVERCLOCK
- MOVIE CONTROL DEVICE
- CEILING MOUNTED DEVICES
- FLOOR MOUNTED DEVICES
- DISCONNECT SWITCH PANELED
- DISCONNECT SWITCH
- OPERATION STARTER
- FRACTIONAL MOTOR/FAN DIRECT CONNECTION
- DIRECT CONNECTION SINGLE PHASE
- DIRECT CONNECTION THREE PHASE
- THERMOSTAT
- DRYER SENSOR
- HEAT TRACE
- ELECTRIC HEATER
- ELECTRICAL PANEL / SECURITY PANEL

**TELECOMMUNICATION**

- TV CABLE OUTLET
- TELEPHONE OUTLET
- TELEPHONE / CABLE (MULTI-PORT) OUTLET
- DATA OUTLET
- DATA/TELEPHONE OUTLET
- N SUITE TELECOM BOX (C/W RECEPTACLE)
- WIFI LOCATION
- VIDEO INTERCOM
- RADIO RECEIVER

**SECURITY**

- INTERCOM / ENTERPHONE
- INTERCOM WITH CAMERA
- PANIC BUTTON / PANIC INTERCOM STATION
- CARD READER
- AUTOMATIC RELEASE CARD ACCESS/RADIO RECEIVER
- ELECTRIC STRIKE
- MAGLOCK
- DOOR CONTACT / WINDOW CONTACT
- GLASS BREAK DETECTOR
- AUTOMATIC DOOR OPERATOR
- MOTION DETECTOR
- PUSH BUTTON
- SECURITY CAMERA

**LIFE SAFETY**

- FIRE ALARM SMOKE DETECTOR
- SMOKE ALARM
- FIRE ALARM DUAL TYPE SMOKE DETECTOR
- FIRE ALARM HEAT DETECTOR
- FIXED TEMP. 68 °C DEGREE HEAT DETECTOR
- MOISTURE PROOF HEAT DETECTOR
- CO ALARM
- OPERATION SMOKE 1 CO ALARM
- CO SENSOR / NO SENSOR
- FIRE ALARM MANUAL PULL STATION
- FIREFIGHTER'S HANDSET
- FIRE ALARM SPEAKER/WALL MTD.
- FIRE ALARM SPEAKER/WALL MTD.
- FIRE ALARM SPEAKER/WALL MTD.
- FIRE ALARM SPEAKER/WALL MTD.
- FIRE ALARM ANNUNCIATOR PANEL
- FIRE ALARM CONTROL PANEL

**REVISIONS**

| NO.    | DATE | DESCRIPTION                            |
|--------|------|--|
| 00/019 | 1    | ISSUED FOR R.I.C.                      |
| 00/019 | 1    | ISSUED FOR R.I.C. SLASHING ACCIDENT #1 |
| 00/019 | 2    | ISSUED FOR SECURITY TENDER             |
| 00/019 | 3    | ISSUED FOR R.I.C.                      |
| 00/019 | 4    | RE-ISSUED FOR TENDER                   |
| 00/024 | 1    | ISSUED FOR TENDER                      |
| 00/024 | 2    | RE-ISSUED FOR TENDER                   |
| 00/024 | 3    | ISSUED FOR PERMIT                      |
| 00/024 | 4    | ISSUED FOR PERMIT                      |
| 00/024 | 5    | ISSUED FOR PERMIT                      |

DATE: 12/13/13  
DRAWN BY: S.O.  
CHECKED BY: S.T.  
SCALE: 1:50

**NOVA TRENDS**

175 West Beaver Creek Road, Unit 31  
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**2/F NORTH FLOOR PLAN**  
**ELECTRICAL LAYOUT**

**ALEXANDRA PARK**  
38 CAMERON STREET, BLOCK II  
TORONTO, ONTARIO

DATE: FEB, 13  
PROJECT NUMBER: 1313  
DRAWING NUMBER: E-9