

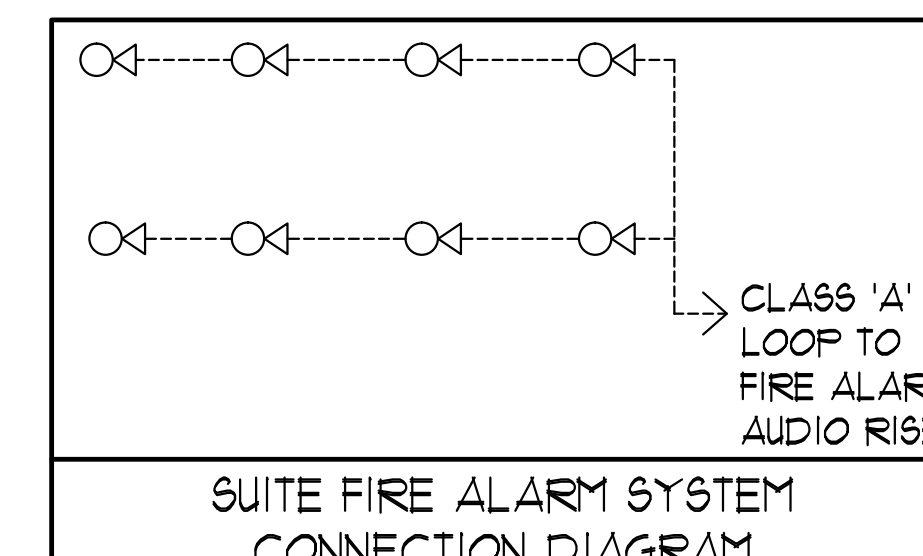
GENERAL AREA CIRCUITING - TABLE #1

FP TO FP - EXIT SIGNS	E-1
GF TO MPH - EXIT SIGNS	E-3
MPH - EXIT SIGNS	ER-1
STAIR 'A' (FP TO GF)	E-1
STAIR 'B' (FP TO GF)	E-1
STAIR 'J' (GF TO 4/F)	E-9
STAIR 'J' (5/F TO 9/F)	E-11
STAIR 'G' (GF TO 14/F)	E-13
STAIR 'F' (GF TO 14/F)	E-15
STAIR 'K' (GF TO MPH) 4 MPH	ER-3ER-5R-1R-1B
(GF)	E-2E-4E-6E-10E-12E-14E-16
(G/F)	B-12-B-14-B-16-B-18-B-20-B-22-B-24-B-26-B-28-B-30
(G/F)	B-12-B-14-B-16-B-18-B-20-B-22-B-24
CORRIDOR (2/F TO 3/F)	E-24
CORRIDOR (4/F TO 5/F)	E-26
CORRIDOR (6/F TO 7/F)	E-28
CORRIDOR (8/F TO 11/F)	E-30
CORRIDOR (12/F TO 14/F)	E-32
CORRIDOR LOCKER (2/F)	B-46
CORRIDOR (3/F)	B-48
CORRIDOR (4/F)	B-50
CORRIDOR (5/F TO 6/F)	B-52
CORRIDOR (7/F TO 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	E-1E-3E-5E-7E-9E-11E-13

RECEPTACLE LOCATION

ELEC. S. CLOSET (GF 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 (22/F TO 32/F)	B-8
ELEV. LOBBY (FP TO 8/F)	B-10
CORRIDOR (2/F TO 8/F)	B-12-B-14B-16B-18B-20B-22B-24
CORRIDOR (2/F TO 5/F)	B-26B-28
ELEV. LOBBY (9 TO 14/F)	B-30
CORRIDOR (9/F TO 14/F)	B-32B-34B-36B-38
STAIR A (GF) 4 (J)9/F8/F3/F	B-40
STAIR F (14/F)11/F8/F2/F	B-42
STAIR H (14/F)11/F8/F2/F	B-44
STAIR 'K' 4 MPH	R-2

- KEY NOTES - IN-SUITE:**
- DESIGNATED 'LAUNDRY RECEPTACLE' AS DEFINED BY ESA CODE 26-120(2)(1), 26-120(2)(2) AND ESA BULLETIN 26-26-0 (WITHIN 5m RADIUS OF LAUNDRY RECEPTACLE SHALL BE CONNECTED TO A DEDICATED CIRCUIT. SEE DETAIL #4 ON DUG. E-35.
 - SUITE DOOR CONTACTS AND GLASS BREAK DETECTOR WITH COMPLY WITH INTERCOM ALARM SYSTEM THAT CONTACTS TO THE CONCRETE 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, (350mm FROM CENTRE OF DOOR MULLION). REFER TO ARCHITECTURAL ELEVATION.



MOUNTING HEIGHT SCHEDULE (10 TOP OF BOX)

OUTLET	SUITE	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.
SWITCH	1200 MM AFF.	1200 MM AFF.
SECURITY PANEL	1200 MM AFF.	
SILENCE SWITCHES	1200 MM AFF.	
THERMOSTAT	1200 MM AFF.	1200 MM AFF.
INTERCOM		1200 MM AFF.
V.C. HANDSET		1200 MM AFF.
FULL STATION		1200 MM AFF.

- SHALL BE CONNECTED TO LIGHTING FIXTURES CIRCUIT IN SAME ROOM.
- MOTORIZED DOOR TO BE CONNECTED TO FIRE ALARM SYSTEM BY DIV. 16.
- DIV. 16 TO VERIFY LOCATION OF MASTER CONTROL PANEL AND OTHER DEVICES THAT REQUIRE ELECTRICAL POWER WITH WASTE MANAGEMENT'S LAYOUT PRIOR TO PLACING THE ROUGH-IN FOR THESE DEVICES.
- INTERCOM ON LANDSCAPE PEDESTAL. PEDESTAL DESIGN TBD.
- DIV 16 TO INCLUDE TRIGGER LOOP THAT TIED TO A DELAY TIMER AND WOULD ENABLE AN INTERCOM CALL.

- 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 RATINGS FOR ALL LOADS THAT CONNECT TO EMERGENCY POWER.
 - FIRE ALARM RISERS SHALL BE RUN IN 2 HOUR FIRE RATED ELECTRICAL CLOSET. REFER TO DUG. 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 1800mm 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 DUG. 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 (LEGRANDE CAT# 3232TRUR-GRY FOR NON-GFCI AND CAT# 1595TRUR-GRY FOR GFCI) AND SHALL BE EQUIPPED WITH A WHILE IN USE CAST ALUMINUM COVERPLATE (LEGRANDE CAT# WUCAST1) 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 DUG. E-32 FOR FIRE ALARM RISER DIAGRAM.
 - PROVIDE TELECOMMUNICATION BACKBOARD C/W 115V, 1P, 15A RECEPTACLE AS PER COMMUNICATION RISER DIAGRAM ON DUG. E-31.
 - CONTRACTOR SHALL REFER TO ELECTRICAL SINGLE LINE DIAGRAM ON DUG. E-30 AND SDP RISER ON DUG. E-31 FOR SDP LOCATIONS AND DISTRIBUTION.
 - PROVIDE CONDUIT AS PER RISER DETAIL #19 ON DUG. E-35 FOR PROVIDER SYSTEM.
 - REFER TO SUPERVISED VALVE AND FLOW SWITCH SCHEDULE ON DUG. 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 DUG. E-35.
 - ALLOCATE 2, 120V, 15A, CIRCUITS FROM PANEL 'LP-F' FOR MECHANICAL CONTRACTOR COORDINATE WITH DIV. 15 FOR EXACT LOCATION.
 - REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT AND EXACT LOCATION OF EXTERIOR WALL MOUNTED LIGHT FIXTURE.
 - DEDICATED FLOOR MOUNTED RECEPTACLE FOR FITNESS EQUIPMENT. EXACT LOCATION TO BE VERIFIED ON SITE.
 - REFER TO INTERIOR DESIGNER/LANDSCAPE/ARCHITECTURAL DRAWINGS FOR EXACT LOCATION FOR FRIDGE, MICROWAVE AND OVER COUNTER RECEPTABLES.
 - 1-APC SMART-UPS 150VA WITH LCD (120V) FOR EACH INTERCOM.
 - DOORS RELEASED TO OPEN ON FIRE ALARM ACTIVATION.
 - ACTIVATION OF FIRE ALARM SYSTEM SHALL ACTIVATE THE SUPPLY FANS. WHEN THE DUCT TYPE SMOKE DETECTOR IS ACTIVATED, THE ASSOCIATED SUPPLY FAN SHALL BE TURNED OFF. WHEN THE MOTORIZED DAMPER IS ACTIVATED, THE DOOR SHALL BE RELEASE AND OPENED.
 - PROVIDE "CAC" SIGN-RED LETTERS ON WHITE BACKGROUND WHICH FLASHES WHEN FIRE ALARM SYSTEM IS ACTIVATED.

ELECTRICAL LEGEND

LIGHTING

- FLUORESCENT LIGHT FIXTURE, TYPE AS INDICATED
- LIGHT CONNECTED TO EMERGENCY POWER
- CEILING MOUNTED WALL MOUNTED LIGHT FIXTURE, INCREASED LETTER DENOTES TYPE
- POLE MOUNTED LIGHT FIXTURE, INCREASED LETTER DENOTES TYPE
- CARRIED CEILING LIGHT OUTLET
- TRACK LIGHT
- STRIP LIGHT
- UNDER CABINET FLUORESCENT LIGHT FIXTURE
- CEILING MOUNTED WALL MOUNTED EXIT SIGN
- MULTI-COLOR EMERGENCY LIGHT RECYCLE HEAD
- EMERGENCY BATTERY PACK
- OCCUPANCY SENSOR POWER PACKS
- SINGLE/DOUBLE POLE SINGLE/DOUBLE THROW TOGGLE 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
- SENSOR WALL SWITCH, SELF POWERED
- OCCUPANCY SENSOR CEILING MOUNTED

POWER

- REGULAR DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE GROUND FAULT INTERRUPT
- 3-PORT T-LOUT DUPLEX RECEPTACLE
- ANGLE RECEPTACLE TYPE AND CONFIGURATION AS SPECIFIED FOR DRIVER
- CONNECTION FOR OVERCOUNTER
- ANGLE RECEPTACLE TYPE AND CONFIGURATION AS SPECIFIED FOR DRIVER
- FLOOR MOUNTED DEVICES
- DISCONNECT SWITCH NON-FUSED
- DISCONNECT SWITCH FUSED
- 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
- INTERCOM WITH CAMERA
- DATA OUTLET
- DATA/TELEPHONE OUTLET
- TELECOMMUNICATION BOX (C/W) RECEPTACLE
- WI-FI LOCATION
- VIDEO INTERCOM
- RADIO RECEIVER
- 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 DUCT TYPE SMOKE DETECTOR
- FIRE ALARM HEAT DETECTOR
- FIXED TEMP. 68 °C DEGREE HEAT DETECTOR
- MOISTURE PROOF HEAT DETECTOR
- CO ALARM
- OPERATION SHORE 1 GO ALARM
- GO SENSOR 1 NO SENSOR
- FIRE ALARM MANUAL CALL STATION
- FIRE ALARM MANDSET
- FIRE ALARM SPEAKER/STROBE WALL MTD.
- FIRE ALARM SPEAKER WALL MTD.
- FIRE ALARM SPEAKER/STROBE CEILING MTD.
- FIRE ALARM SPEAKER CEILING MTD.
- FIRE ALARM ANNUNCIATOR PANEL
- FIRE ALARM CONTROL PANEL

REVISIONS

NO.	DESCRIPTION	DATE
01	ISSUED FOR PERIT	01
02	ISSUED FOR PERIT	01
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30	ISSUED FOR PERIT	01

NOVA TRENDS

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PROJECT FILE
ALEXANDRA PARK
38 CAMERON STREET, BLOCK II
TORONTO ONTARIO

DRIVING TITLE
G/F NORTH FLOOR PLAN
POWER LAYOUT

PROJECT FILE
ALEXANDRA PARK
38 CAMERON STREET, BLOCK II
TORONTO ONTARIO

DATE: FEB, 13
SCALE: 1:50
DRAWING NUMBER: E-5