



GENERAL AREA CIRCUITING - TABLE #1

LIGHTING FIXTURE LOCATION	CCT.*
P2 TO P1 - EXIT SIGNS	E-1
G/F TO MPH - EXIT SIGNS	E-3
MPH - EXIT SIGNS	ER-1
STAIR "A" (P2 TO G/F)	E-5
STAIR "B" (P2 TO G/F)	E-7
STAIR "J" (G/F TO 14/F)	E-9
STAIR "J" (5/F TO 3/F)	E-11
STAIR "G" (G/F TO 14/F)	E-13
STAIR "F" (G/F TO 14/F)	E-15
STAIR "K" (14/F TO MPH) 4 MPH (G/F)	ER-3ER-5R-1TR-1B
E-2E-4E-6E-16E-8E-10E-12E-14E-16	
B1-2B1-4B1-6B1-8B1-10B1-12B1-14B1-16	
B1-18B1-20B1-22B1-24B1-26B1-28B1-30	
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 8/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	E1-1E1-3E1-5E1-7E1-4E1-6
RECEPTACLE LOCATION	CCT.*
ELEC. S. CLOSET (2/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 (22/F TO 32/F)	B-8
ELEV. LOBBY (P2 TO 8/F)	B-10
CORRIDOR (2/F TO 8/F)	B-12B-14B-16B-18B-20B-22B-24
CORRIDOR (2/F TO 9/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 (G/F 4 J 9/F 6/F 3/F)	B-40
STAIR F (14/F 11/F 8/F 5/F 2/F)	B-42
STAIR "K" 4 MPH	R-2

- GENERAL NOTES - ROOF:**
- ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH MECHANICAL, STRUCTURAL, ARCHITECTURAL AND LANDSCAPE DRAWINGS.
 - INSTALL ALARM SPEAKER, SMOKE DETECTOR AND RECEPTACLE AT EVERY THIRD FLOOR STAIR WELL, STARTING FROM TOP FLOOR, AS PER TO DIAG. E-32 FOR FIRE ALARM RISER DIAGRAM. INSTALL SIDE-MOUNTED RECEPTACLE ON KITCHEN ISLAND CABINET.
 - 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 DIAG. E-32 FOR RISER DIAGRAM AND DETAILS.
 - STAIRWAY WALL MOUNTED EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED @ 7' AFF. MINIMUM.
 - 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.
 - CONDUITS TO MEDIUM SIZED TRANSFORMERS (300KVA-450KVA), ARE NOT TO BE BURIED IN THE ROOF SLAB RIGHT UP TO THE UNIT. INSTEAD, THEY ARE TO BE ROUTED ACROSS THE CEILING OF THE MECHANICAL FENTHOUSE AND BACK DOWN TO CONNECT TO THE TRANSFORMER.
 - ELEVATOR CONTROLLER SUPPLIED AND INSTALLED BY OTHERS. THIS CONTRACTOR SHALL PROVIDE INTERCONNECTION BETWEEN FIRE ALARM CONTROL PANEL AND ELEVATOR CONTROLLER.
 - 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.
 - ALL OUTDOOR RECEPTACLES SHALL BE WEATHERPROOF (LEGRADE CAT# 3332TRUR-GRY FOR NON-GFCI AND CAT# 1595TRUR-GRY FOR GFCI) AND SHALL BE EQUIPPED WITH A WHILE IN USE CAST ALUMINUM COVERPLATE (LEGRADE CAT# WUCASTI) COVERPLATE.

- KEY NOTES - ROOF:**
- FOR CIRCUITING, REFER TO TABLE #1.
 - ALL EXTERIOR LIGHTS SHALL BE CONTROLLED BY A TIMER/CONTACTOR LOCATED NEAR 'LP-R'. CONNECT LIGHTS TO CIRCUIT AS SHOWN.
 - 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 DIAG. E-35.
 - ALLOCATE 2 120V, 15A CCTS FROM PANEL 'R' FOR MECHANICAL CONTROL. CONTRACTOR COORDINATE WITH DIV. 15 FOR EXACT LOCATION.

ELECTRICAL LEGEND

LIGHTING

- FLUORESCENT LIGHT FIXTURE, TYPE AS INDICATED
- LIGHT CONNECTED TO EMERGENCY POWER
- CEILING MOUNTED WALL MOUNTED LIGHT FIXTURE, INSCRIBED LETTER DENOTES TYPE
- POLE MOUNTED LIGHT FIXTURE, INSCRIBED LETTER DENOTES TYPE
- TRACK LIGHT
- STRIP LIGHT
- UNDER CABINET FLUORESCENT LIGHT FIXTURE
- CEILING MOUNTED WALL MOUNTED EXIT SIGN
- EMERGENCY LIGHT RECEPTACLE HEAD
- EMERGENCY BATTERY PACK
- OCUPANCY SENSOR POWER PACKS
- SINGLE/DOUBLE/TWO/THREE POLE SINGLE/DOUBLE/TWO/THREE 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
- OCUPANCY SENSOR, CEILING MOUNTED

POWER

- REGULAR DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE, GROUND FAULT INTERRUPT
- 3-PIN T-FLUT DUPLEX RECEPTACLE
- SINGLE RECEPTACLE TYPE AND CONFIGURATION AS SPECIFIED FOR DRIVER
- CONNECTION FOR OVEN/COOKTOP
- ABOVE COUNTER DEVICE
- 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
- ELECTRICAL HEATER
- ELECTRICAL PANEL / SECURITY PANEL

TELECOMMUNICATION

- TELEPHONE OUTLET
- TELEPHONE / CABLE (MULTI-PORT) OUTLET
- DATA OUTLET
- DATA/TELEPHONE OUTLET
- NATE TELECOM BOX OR 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
- SPOKE ALARM
- FIRE ALARM DUST TYPE SMOKE DETECTOR
- FIRE ALARM HEAT DETECTOR
- FIXED TEMP. 68 °C DEGREE HEAT DETECTOR
- MOISTURE PROOF HEAT DETECTOR
- CO ALARM
- COMBINATION SMOKE 4 CO ALARM
- CO SENSOR / NO SENSOR
- FIRE ALARM MANUAL PULL STATION
- FIREFIGHTER'S HANDSET
- 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.	DATE	DESCRIPTION
01	13/13	ISSUED FOR PERMIT
02	13/13	ISSUED FOR TENDER
03	13/13	ISSUED FOR TENDER
04	13/13	ISSUED FOR PERMIT
05	13/13	ISSUED FOR PERMIT

DATE: 13/13

NOVA TREND CONSULTANTS

115 West Beaver Creek Road, Unit 31
Richmond Hill, Ontario L4B 3H1
Tel: 905-882-5445
Fax: 905-882-5441
Email: cad@novatrendeng.com

ROOF FLOOR PLAN ELECTRICAL LAYOUT

ALEXANDRA PARK

38 CAMERON STREET, BLOCK II
TORONTO, ONTARIO

DATE: FEB, 13 | CHECKED BY: S.T. | SCALE: 1:50
PROJECT NUMBER: 1313 | DRAWING NUMBER: E-29

Drawing name: \\nodwork\Current\1313\1313 - Alexandra Park\09\1313E - 29 (R05) ELEC.dwg Plot date: Jan 26, 2015 1:30pm