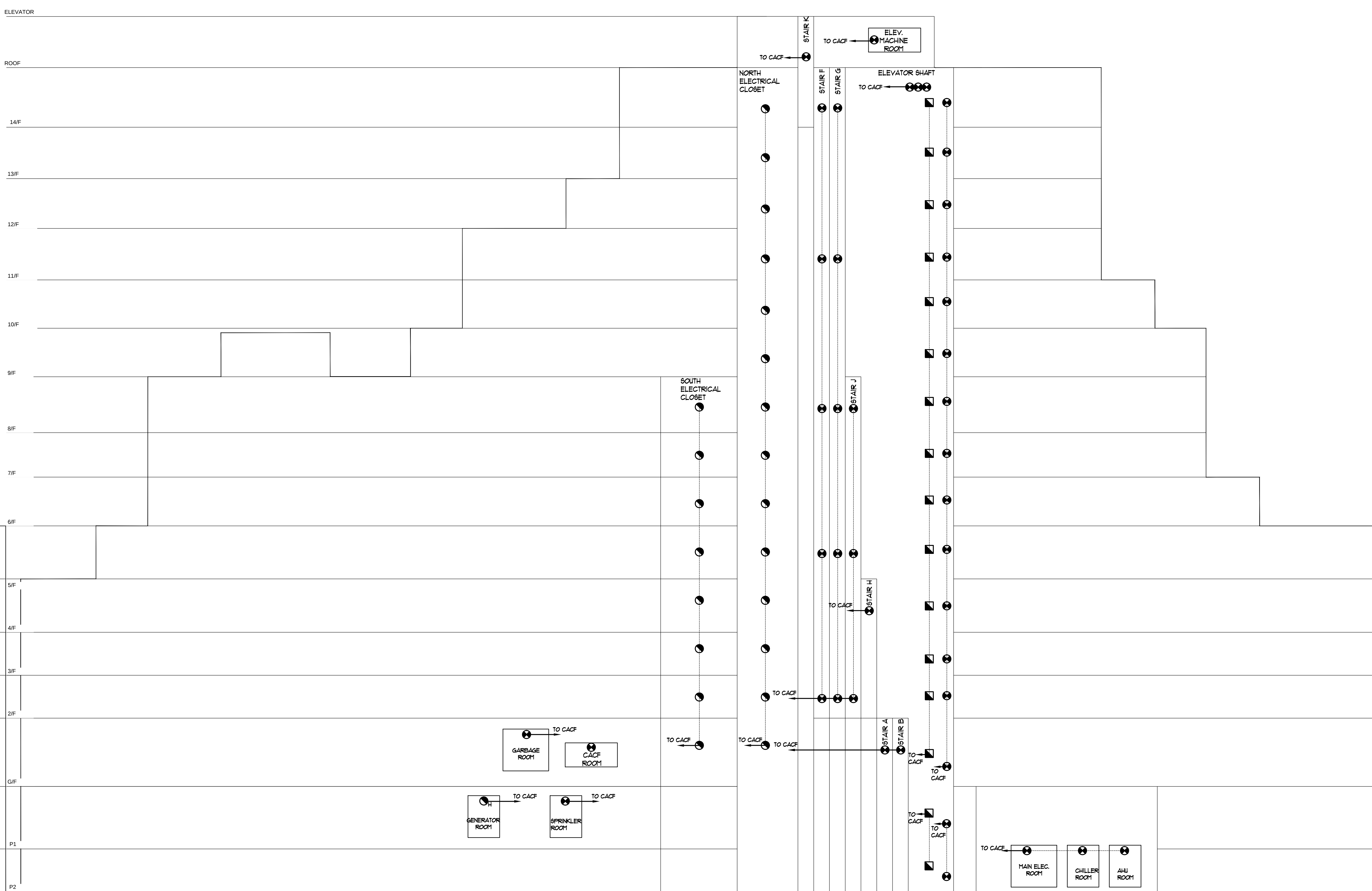




SUITE DISTRIBUTION RISER DIAGRAM

FIRE ALARM GENERAL NOTES

1. AUDIBLE DEVICES LOCATED WITHIN SUITES ARE WIRED ON SEPARATE SIGNAL CIRCUITS FROM AUDIBLE DEVICES SERVING THE PUBLIC CORRIDORS.
2. N-SITE FIRE ALARM AUDIBLE DEVICES WITHIN THE BUILDING ARE REQUIRED TO BE CONNECTED TO THE FIRE ALARM SYSTEM IN A MANNER SUCH THAT AN OPEN CIRCUIT AT ONE DEVICE (I.E. DISCONNECTION OR DAMAGE) WILL NOT INTERFERE WITH THE OPERATION OF OTHER DEVICES. PUBLIC CORRIDORS, ELEVATOR LOBBIES AND SUITES TO SUEDE ALARM (32.419/10) THESE FIRE ALARM AUDIBLE DEVICES ARE PERMITTED TO BE CONNECTED TO THE FIRE ALARM SYSTEM VIA CLASS B WIRING, OR VIA CLASS B WIRING WITH SIGNAL CIRCUIT ISOLATORS LOCATED OUTSIDE OF THE SUITES(A-32.419/10).
3. AUDIBLE SIGNAL DEVICES ARE REQUIRED TO BE WIRED ON SEPARATE CIRCUITS ON EACH FLOOR AREA. AUDIBLE SIGNAL DEVICES SERVING DUELLING LOTS OR SUITES OF RESIDENTIAL OCCUPANCY ARE REQUIRED TO BE WIRED ON A SEPARATE CIRCUIT FROM SUITES OF RESIDENTIAL OCCUPANCY. SUITES OF RESIDENTIAL OCCUPANCY ARE NOT WITHIN SUITES OF RESIDENTIAL OCCUPANCY OR DUELLING LOTS. (32.429/11)
4. ALL WIRING FOR FIRE ALARM SYSTEM SHALL BE IN ACCORDANCE WITH DESIGN SPECIFICATIONS 16/20, PART 4 (ONTARIO ELEC. SAFETY CODE).
5. PROVIDE WIRING FOR ALL SPRINKLER FLOW SWITCHES AND ALL SPRINKLER VALVES AND CONNECT INTO THE PROPER ZONES. CO-ORDINATE WITH SPRINKLER CONTRACTOR PRIOR TO ORDERING OF FIRE ALARM EQUIPMENT.
6. EACH SOURCE OF POWER SUPPLY SHALL BE CAPABLE OF OPERATING THE ENTIRE SYSTEM INDEPENDENTLY UNDER ALARM CONDITIONS.

7. ALL STATIONS TO BE INSTALLED NEAR THE PRINCIPAL ENTRANCE OF THE BUILDING AND NEAR EVERY REQUIRED EXIT.
8. PROVIDE CONNECTION OF FIRE ALARM SYSTEM TO LOCAL FIRE DEPARTMENT OR ULC LISTED OFF-SITE CENTRAL MONITORING AGENCY AS PER ULC-556I.
9. PROVIDE CONNECTION OF FIRE ALARM SYSTEM TO LOCAL FIRE DEPARTMENT OR ULC LISTED OFF-SITE CENTRAL MONITORING AGENCY AS PER ULC-556I.
10. FOR EXACT QUANTITY AND LOCATION OF DEVICES, REFER TO FLOOR PLANS.
11. PROVIDE ALL NECESSARY RELAYS TO START ALL STAIR PRESSURIZATION FANS WHEN FIRE ALARM CONDITION OCCURS.
12. UG5 SPEAKERS OR HORNS, 1/2 SET TAP, ALL OTHERS * MINIMUM 1W.
13. PROVIDE MINIMUM 200 SPARE ZONES FOR SUPERVISORY, ALARM INITIATING ZONES AND VOICE/PHONE CIRCUITS.
14. RISER DIAGRAM IS PRESENTED AS CONVENTIONAL CLASS A WIRING FOR ALL ZONES EXCEPT FOR THE FIRE PROTECTION DEVICES WHICH SHALL BE CONNECTED IN A CLASS A ADDRESSABLE LOOP. REFER TO FIRE PROTECTION DETECTOR FIRE PROTECTION DETECTOR WIRING ON DRAWING E-10 FOR CONNECTION DETAIL OF FIRE PROTECTION DEVICES. FLOOR AND PRECEDING FLOOR (FSD) 4 TAPPING 1/2 INCH.
15. FIRE ALARM SYSTEM SHALL HAVE PROVISIONS FOR TIE-IN TO "VIRTUAL CONCENTRIC" SYSTEM.
16. FIRE ALARM RISER SHALL RUN IN 2 HOUR FIRE RATED ELECTRICAL CLOSET. REFER TO E-33 FOR RISER DIAGRAM AND DETAILS.

ELECTRICAL LEGEND	
LIGHTING	
	FLUORESCENT LIGHT FIXTURE TYPE AS INDICATED
	LIGHT OR LIGHT CONNECTED TO EMERGENCY POWER
	FIXED MOUNTED LUMINAIRE MOUNTED LIGHT FIXTURE
	NONFIXED LUMINAIRE DEVICES TYPE
	FIXED MOUNTED LIGHT FIXTURE
	NONFIXED LUMINAIRE DEVICES TYPE
	CEILING MOUNTED LIGHT FIXTURE
	TRACK LIGHT
	UNDER CABINET FLUORESCENT LIGHT FIXTURE
	EXIT SIGN
	SINGLE EMERGENCY LIGHTING LAMP
	EMERGENCY LIGHTING POWER PACK
	OCCUPANCY SENSOR POWER PACK

LIFE SAFETY	
	FIRE ALARM SMOKE DETECTOR
	SMOKE ALARM
	FIRE ALARM DUCT TYPE SMOKE DETECTOR
	FIRE ALARM HEAT DETECTOR
	FIXED TEMP. 68 °C DEGREEE HEAT DETECTOR
	MOISTURE PROOF HEAT DETECTOR
	CO ALARM
	COMBINATION SMOKE + CO ALARM
	CON SENSOR / NO SENSOR
	FIRE ALARM MANUAL PULL STATION
	FIREFIGHTERS HANDSET
	FIRE ALARM SPEAKER/STROKE, WALL MTD.
	FIRE ALARM SPEAKER, WALL MTD.
	FIRE ALARM SPEAKER/STROKE, CEILING MTD.
	FIRE ALARM SPEAKER, CEILING MTD.
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL

03/01/05	6	ISSUED FOR SECURITY TENDER	ST.
03/04/05	9	ISSUED FOR SLT E-1	ST.
10/01/04	4	RE-ISSUED FOR TENDER	ST.
03/22/04	2	ISSUED FOR TENDER	ST.
07/04/04	2	RE-ISSUED FOR PERMIT	ST.
09/06/04	1	ISSUED FOR PERMIT	ST.
DATE	NO.	DESCRIPTION	ST

REVISIONS

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT DISCREPANCIES TO THE ENGINEERS BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS THE PROPERTY OF THE ENGINEERS AND MUST BE RETURNED UPON COMPLETION OF THE WORK.

DRAWINGS ARE NOT TO BE SCALED



175 West Beaver Creek Road, Unit 31
Richmond Hill, Ontario L4B 3M1
Tel: 905 882-5445
Fax: 905 882-5447
Email: cad@novatrendeng.com

DRAWING TITLE:
FIRE ALARM
RISER DIAGRAM

PROJECT TITLE:
ALEXANDRA PARK

38 CAMERON STREET, BLOCK II
TORONTO ONTARIO

TORONTO DRAIN BY: S.O.	CHECKED BY: S.T.	SCALE: N.T.S.
DATE: FEB 13	PROJECT NUMBER: 1313	DRAWING NUMBER: E-32