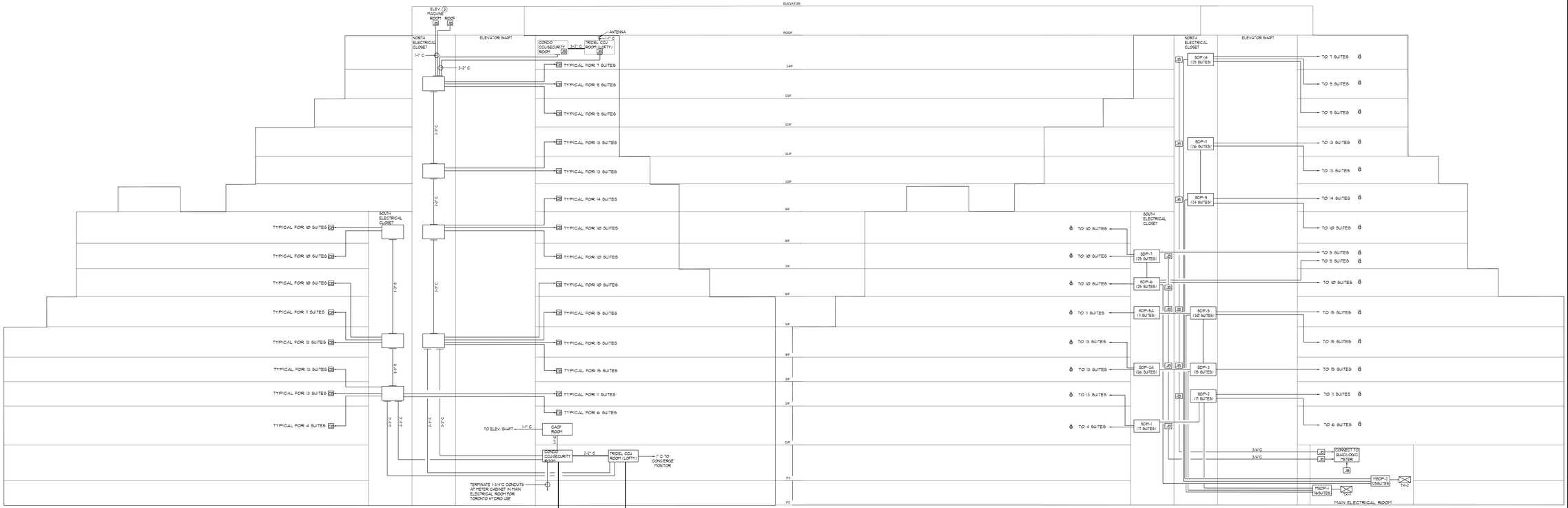
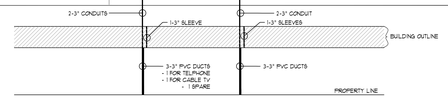
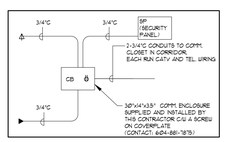


COMMUNICATION AND SECURITY RISER DIAGRAM



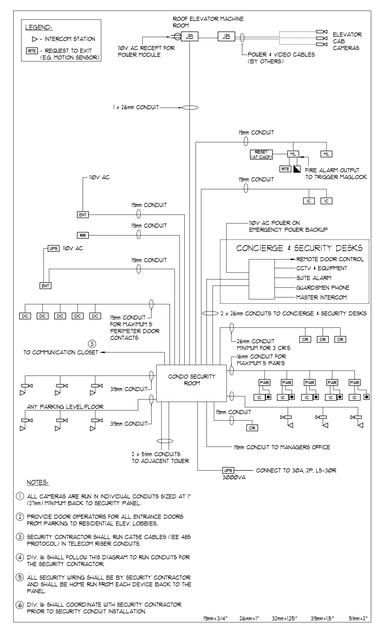
SUITE DISTRIBUTION RISER DIAGRAM



TYPICAL SUITE COMMUNICATION CONNECTION DIAGRAM
(REFER TO DETAIL ⑨ ON DWG. E-31 FOR INSTALLATION OF COMMUNICATION BOX)

GENERAL NOTES:

1. COMMUNICATION RISER SHALL BE RUN IN TOWER 1@ ERSKINE NORTH & SOUTH ELECTRICAL CLOSET.
2. EACH SUITE IS FED WITH TWO CONDUITS, ONE FOR TELEPHONE AND CABLE T.V. AND THE OTHER IS A SPARE.
3. PROVIDE DEDICATED TELEPHONE LINE FOR ELEVATOR SYSTEM.
4. PROVIDE ELECTRICAL PANEL "P-ECU" FOR CCU ROOM USE COMPLETE WITH A MINIMUM 60A, 120/208V EMERGENCY FEEDER.
5. CONDUITS NOT BEING USED SHALL BE CAULKED AND SEALED. ALL SLEEVES PASSING THROUGH FIRE SEPARATIONS SHALL BE FIRE STOPPED.
6. SECURITY CONTRACTOR RUN CAT5E CABLE IN THE SAME CONDUIT AS TELECOM CABLE.
7. Fiber optic cabling to each suite (complete with in-suite junction box with optical media converter and back-up power supply)
8. Coaxial cable and Category 5e twisted pair in-suite wiring to living room, den (if applicable) and bedroom(s)
9. Bulk Internet service: Hybrid Fibre 250 High-Speed Internet service (including Rogers Advanced Wi-Fi modem) with download speed up to 250 Mbps and upload speed up to 20 Mbps, with unlimited usage. Note: speed may vary with Internet traffic, server gateway/router, computer equipt., location in the suite, software and applications installed, suite wiring, home network and or others factors). Cost of this service is included in the condominium's maintenance budget.



NOTES:

1. ALL CAMERAS ARE RUN IN INDIVIDUAL CONDUITS SIZED AT 1" (27mm) MINIMUM BACK TO SECURITY PANEL.
2. PROVIDE DOOR OPERATORS FOR ALL ENTRANCE DOORS FROM PARKING TO RESIDENTIAL ELEV. LOBBIES.
3. SECURITY CONTRACTOR SHALL RUN CAT5E CABLES / IEE 485 PROTOCOL IN TELECOM RISER CONDUITS.
4. DIV. 16 SHALL FOLLOW THIS DIAGRAM TO RUN CONDUITS FOR THE SECURITY CONTRACTOR.
5. ALL SECURITY WIRING SHALL BE BY SECURITY CONTRACTOR AND SHALL BE HOME RUN FROM EACH DEVICE BACK TO THE PANEL.
6. DIV. 16 SHALL COORDINATE WITH SECURITY CONTRACTOR PRIOR TO SECURITY CONDUIT INSTALLATION.

19mm+3/4" 26mm+1" 32mm+1.25" 39mm+1.5" 51mm+2"

SECURITY CONDUIT CONNECTION DIAGRAM

ELECTRICAL LEGEND

LIGHTING

- FLUORESCENT LIGHT FIXTURE, TYPE AS INDICATED
- NIGHT LIGHT OR LIGHT CONNECTED TO EMERGENCY POWER
- CEILING MOUNTED/WALL MOUNTED LIGHT FIXTURE, NUMBERED LETTER DENOTES TYPE
- POLE MOUNTED LIGHT FIXTURE NUMBERED LETTER DENOTES TYPE
- CAPPED CEILING LIGHT OUTLET
- TRACK LIGHT
- STRIP LIGHT
- UNDER CABINET FLUORESCENT LIGHT FIXTURE
- CEILING MOUNTED/WALL MOUNTED EXIT SIGN
- SINGLE/DUAL EMERGENCY LAMP REMOTE HEAD
- EMERGENCY BATTERY PACK
- OCCUPANCY SENSOR POWER PACKS
- S-S/B, S3, S4, SP, SD — SINGLE/TWO/THREE POLE, SINGLE/TWO/THREE THROW TOGGLE SWITCH RESPECTIVELY, ('S' & 'P' 'S' DENOTES 3-WAY & WITH PILOT LIGHT, DIMMER SWITCHED LIGHT RESPECTIVELY)
- MASTER LIGHTING SHUT-OFF SWITCH
- SENSOR WALL SWITCH (P/N: SELF POWERED)
- OCCUPANCY SENSOR, CEILING MOUNTED

POWER

- REGULAR DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE, GROUND FAULT INTERRUPT
- 5-20R T-SLOT DUPLEX RECEPTACLE
- SINGLE RECEPTACLE, TYPE AND CONFIGURATION AS SPECIFIED FOR DRYER
- CONNECTION FOR OVEN/COOKTOP
- ABOVE COUNTER DEVICE
- CEILING MOUNTED DEVICES
- FLOOR MOUNTED DEVICES
- DISCONNECT SWITCH, NON-FUSED
- DISCONNECT SWITCH, FUSED
- COMBINATION 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

- TV/CABLE OUTLET
- TELEPHONE OUTLET
- TELEPHONE/TV CABLE (MULTI-PORT OUTLET)
- DATA OUTLET
- DATA/TELEPHONE OUTLET
- IN SUITE TELECOM BOX C/U RECEPTACLE
- WP — WIFI LOCATION
- PA / VC — MUSIC SPEAKER / VOLUME CONTROL
- RR — RADIO RECEIVER

SECURITY

- C / IEC — INTERCOM / ENTERPHONE
- CC — INTERCOM WITH CAMERA
- PB / PCB — PANIC BUTTON / PANIC INTERCOM STATION
- CR — CARD READER
- ARCA / ORA — AUTOMATIC RELEASE CARD ACCESS/RADIO RECEIVER
- ES — ELECTRIC STRIKE
- ML — MAGLOCK
- DC / DO — DOOR CONTACT / WINDOW CONTACT
- GB — GLASS BREAK DETECTOR
- DO — AUTOMATIC DOOR OPERATOR
- MD — MOTION DETECTOR
- PB — PUSH BUTTON
- SECURITY CAMERA

LIFE SAFETY

- FIRE ALARM SMOKE DETECTOR
- SMOKE ALARM
- FIRE ALARM DUCT TYPE SMOKE DETECTOR
- FIRE ALARM HEAT DETECTOR
- FIXED TEMP. 88 °C DEGREE HEAT DETECTOR
- MOISTURE PROOF HEAT DETECTOR
- CO ALARM
- COMBINATION SMOKE & CO ALARM
- CO / NO — CO SENSOR / NO SENSOR
- FIRE ALARM MANUAL PULL STATION
- H — FIREFIGHTER'S HANDSET
- FIRE ALARM STROBE/HORN, WALL MTD.
- FIRE ALARM MINI-HORN, WALL MTD.
- FIRE ALARM SPEAKER/STROBE CEILING MTD.
- FIRE ALARM SPEAKER, CEILING MTD.
- FAAP — FIRE ALARM ANNUNCIATOR PANEL
- FACP — FIRE ALARM CONTROL PANEL

DATE	NO.	DESCRIPTION	BY
09/23/14	3	ISSUED FOR TENDER	S.T.
07/18/14	2	RE-ISSUED FOR PERMIT	S.T.
05/30/14	1	ISSUED FOR PERMIT	S.T.

PLANS, VOID ALL PRINTS DATED PREVIOUS TO FINAL DATE ABOVE

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

NOVA TREND ENGINEERING GROUP LTD.

LICENSED PROFESSIONAL ENGINEER 09/23/14 S.Y.-P. TAM PROVINCE OF ONTARIO

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DRAWING TITLE:
SDP, COMMUNICATION & SECURITY RISER DIAGRAM

PROJECT TITLE:
ALEXANDRA PARK
38 CAMERON STREET, BLOCK 11
TORONTO ONTARIO

DRAWN BY:	CHECKED BY:	SCALE:
S.O.	S.T.	N.T.S.
DATE: FEB. 13	PROJECT NUMBER: 1313	DRAWING NUMBER: E-31 OF

Drawing name: \\CADSERVER\Current Dwgs\1313\1313 - Alexandra Park\SP\1313E- 31 (SDP).dwg Plotted: Sep 23, 2014 - 3:00pm