

BASE FOR POLE ON GARAGE

DWG. # TITLE

SITE PLAN

E-5A/E-5B | 3RD - 5TH FLOOR PLANS

DETAILS 1

DETAILS 2

RISER DIAGRAMS

SINGLE LINE DIAGRAM

PANEL SCHEDULES

MECHANICAL PENTHOUSE

E-2A/E-2B | PARKING P1 LEVEL

E-4A/E-4B | 2ND FLOOR PLAN

E-6A/E-6B | 6TH FLOOR PLAN

E-7A/E-7B | 7TH FLOOR PLAN

E-3A/E-3B GROUND FLOOR PLAN

DRAWINGS LIST

PRIMARY DUCT BANK

SECONDARY DUCT BANK

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----3000 PSI CONCRETE

50mmc FOR METERING

TYPE II DUCTS

- PLASTIC SPACERS

— 10M REINFORCING RODS

SCALE:

⊕ 1.5M 0.C.



- ELECTRICAL DRAWINGS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, FIRE PROTECTION, INTERIOR DESIGN, LANDSCAPE AND STRUCTURAL DRAWINGS; CONTRACTOR TO ALLOW FOR ALL COORDINATION TO BE COMPLETED ON SITE.
- 2. ALL SECURITY CONDUIT TO BE PROVIDED IN COORDINATION WITH SECURITY SUPPLIER 3. ALL WORK TO BE IN ACCORDANCE WITH HYDRO/ESA STANDARDS AND AS DIRECTED BY ON SITE INSPECTORS.
- 5. FINAL DRUM DRIPS LOCATION MUST BE CO-ORDINATED WITH THE MECHANICAL CONTRACTOR ON SITE.
- ALL DRUM DRIPS TO BE ELECTRICALLY TRACED AND INSULATED, FED FROM PANEL 'EF'.
- 6. FINAL EXPOSED P-TRAPS MUST BE CO-ORDINATED WITH MECHANICAL CONTRACTOR ON SITE. ALL EXPOSED P-TRAPS TO BE ELECTRICALLY TRACED AND INSULATED. FED FROM PANEL 'EF'.
- 7. ALL HEAT TRACING FOR WET SPRINKLERS AND STANDPIPE IS REQUIRED TO HAVE A SUPERVISORY SIGNAL ON FIRE ALARM SYSTEM CONTROL PANEL WHEN THERE IS A LOSS OF POWER.
- 9. PROVIDE LIGHT SWITCH(ES) WHICH IS (ARE) INTERLOCKED WITH THE OPERATION OF THE EXHAUST FAN SERVING MECHANICAL, STORAGE AND/OR LOCKER ROOMS. OTHERWISE PROVIDE 24HRS OPERATION FOR THE
- 10. FOR SITE LIGHTING, OPERATIONAL PRACTICES TO BE MADE TO REDUCE LIGHT POLLUTION AND SPILL LIGHT (LIGHT BEYOND AREAS THAT NEED TO BE LIT FOR SAFETY AND SECURITY REASONS). 11. PEDESTRIAN SCALED LIGHTING MUST BE DIRECTED DOWNWARD AND INCLUDES FIXTURES SUCH AS BOLLARDS OR LOWER SCALE POLE FIXTURES ALONG PEDESTRIANS' ROUTES TO MINIMIZE LIGHT POLLUTION.
- 12. WHERE CEILING HEIGHT EXCEEDS 15' FIXTURES ARE TO BE STEM OR CHAIN HUNG TO A HEIGHT OF 12' AFF EXCLUDING GARAGE LIGHT FIXTURES, INTERIOR DESIGN FIXTURES TO BE AS PER INTERIOR DESIGN DRAWINGS. 13. OCCUPANCY-BASED LIGHTING CONTROL DEVICES TURN LIGHTS OFF WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE OR A SIGNAL FROM ANOTHER CONTROL. ALL OCCUPANCY SENSOR INSTALLATION TO BE AS PER MANUFACTURER RECOMMENDATION. PROVIDE
- ON/OFF/AUTO FOR ALL SWITCHES WHERE OCCUPANCY SENSORS ARE USED.
- 14. EXIT SIGNS TO BE 5W OR LESS PER FACE. 15. REFER TO SUITE PANEL SCHEDULE FOR IN SUITE CIRCUITRY ARRANGEMENT.

2m FROM THE FLOOR OR FINISHED GRADE.

- PLACE CONCRETE IN PRE AUGERED HOLES

LOAD DESCRIPTION

LIGHTING

NAGE LIGHTING

208Y/120V, 3ø, 4W

125 AMPS

SURFACE

TS BRK | CIRCUITS | BRK | WA

MAIN CCT. BRK:

MOUNTING:

LIGHTING POLE BASE

ANEL IDENTIF:

LOAD DESCRIPTION

TERIOR LIGHTING (1ST)

TERIOR LIGHTING (1ST)

ERIOR LIGHTING (1ST)

SCALE

1:100

1:100

1:100

1:100

N.T.S.

N.T.S.

N.T.S.

N.T.S.

N.T.S.

l N.T.S.

- 16. COORDINATE LOCATION OF SUITE ELECTRICAL, C/T AND SECURITY PANELS WITH ARCHITECTURAL DRAWINGS. 17. ALL DWELLING UNIT RECEPTACLES, INCLUDING KITCHEN COUNTER RECEPTACLES, OF CSA CONFIGURATION 5-15R AND 5-20R SHALL BE TAMPER RESISTANT RECEPTACLES WITH EXCEPTION OF RECEPTACLES DEDICATED FOR STATIONARY APPLIANCES SUCH THAT THE RECEPTACLE IS RENDERED INACCESSIBLE, OR THOSE LOCATED
- 18. AT LEAST ONE RECEPTACLE SHALL BE INSTALLED FOR THE MAINTENANCE OF ROOFTOP HVAC EQUIPMENT AS PER RULE 2-314 AND SHALL BE LOCATED WITHIN 7.5m OF ALL SUCH EQUIPMENT AND COMPLY WITH REQUIREMENTS OF 26-704 AND BULLETIN 26-27-*
- 19. WHERE EXPOSED TO THE WEATHER, RECEPTACLES SHALL BE PROVIDED WITH COVER PLATES SUITABLE FOR WET LOCATIONS WHETHER OR NOT A PLUG IS INSERTED INTO THE RECEPTACLE (IN-USE COVER PLATES).
- 20. EACH BRANCH CIRCUIT SUPPLYING 120V RECEPTACLES, RATED 20A OR LESS, SHALL BE PROTECTED BY A COMBINATION-TYPE AFCI EXCEPT BRANCH CIRCUITS SUPPLYING: - RECEPTACLES ON KITCHEN COUNTER (FOR PERSON WITH DISABILITIES) - BATHROOMS/WASHROOMS (PROVIDED THAT NO OTHER RECEPTACLES ARE CONNECTED TO THESE
- FRIDGE, KITCHEN COUNTER, KITCHEN ISLAND AND PENINSULA
- 21. FLOOR OUTLET BOXES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE TYPE OF FLOOR INTENDED.
- 22. CONFIRM VOLTAGE AND SUPPLY OF THERMOSTATS QUANTITY WITH MECHANICAL DRAWINGS. COORDINATE ON 23. LOW VOLTAGE DRY TYPE TRANSFORMERS (AIR COOLED <=600V) TO MEET NOMINAL EFFICIENCY REQUIRED BY
- RATE OF RISE COMBINATION 120V SMOKE ALARM & HEAT → PHOTOELECTRIC SMOKE DETECTOR • IONIZATION SMOKE DETECTOR DUCT MOUNTED SMOKE DETECTOR 120V SMOKE ALARM FIRE ALARM OPERATED DOOR HOLD OPEN DEVICE (X) | COMBINATION 120V CO AND SMOKE DETECTOR FIRE ALARM ISOLATION SWITCH CEILING MOUNTED SUPERVISED VALVE WIRED BY THIS DIVISION SPRINKLER FLOW ALARM WIRED BY THIS DIVISION SPRINKLER PRESSURE SWITCH WIRED BY THIS SPEAKER VOLUME CONTROL FIRE FIGHTER TELEPHONE/HANDSET TIME SWITCH (PARAGON 4000-SZ, SKIP-A-DAY, ASTRODIAL, 24 HOURS SURFACE MOUNTED LIGHTING OR POWER PANEL FLUSH MOUNTED LIGHTING OR POWER PANEL NEXT TO DEVICES INDICATES WEATHER PROOF, GROUND WP GFI IG FAULT INTERRUPTER AND ISOLATED GROUND identifies lighting fixture type RECESSED STEP LIGHT THIS LEGEND IS GENERIC. ALL SYMBOLS LISTED MAY NOT BE APPLICABLE FOR THIS PROJECT. REFER TO FLOOR PLANS TO DETERMINE USED DEVICES AND EQUIPMENT.

FLUORESCENT LIGHTING FIXTURE CEILING MOUNTED CEILING OR WALL MTD ILLUMINATED EXIT SIGN. SHADED AREA INDICATES ILLUMINATED FACE. GREEN RUNNING MAN PICTOGRAM COMPLY WITH EXTERIOR LIGHTING STANDARD AS PER SCHEDULE ◆☐ EXTERIOR LIGHTING STANDARD AS PER SCHEDULE 120V U-GROUND DUPLEX RECEPTACLE WITH ONE 250V 10 4W 50A RECEPTACLE. CONNECT WITH 250V 10 4W 30A RECEPTACLE. CONNECT WITH SINGLE RECEPTACLE. VOLTAGE AND RATING AS ♦ WALL MOUNTED MOVABLE PARTITION FEED POINT FLOOR MOUNTED MOVABLE PARTITION FEED POINT \$ \$ \$ SINGLE POLE, SINGLE THROW TOGGLE SWITCH WITH ONE, TWO AND THREE GANG COVERPLATES. DIMMER SWITCH. 1500W RATED. PROVIDE DIMMING BALLAST FOR FLUORESCENT THERMOSTAT SUPPLIED BY OTHERS, INSTALLED B' HUMIDISTAT SUPPLIED BY OTHERS, INSTALLED BY LOW VOLTAGE VALVE AND TRANSFORMER SUPPLIED BY OTHERS INSTALLED BY DIV. 16. FAN SPEED CONTROLLER SUPPLIED BY OTHERS INSTALLED BY DIV. 16 DRUM DRIP OR INSPECTION TEST ELECTRICALLY ELECTRIC HEATER PER SCHEDULE EL. HEATER C/T PANEL. 120V OUTLET INSIDE THE PANEL TO BE FED FROM SUITE PANEL CM REVOISED AS PER SI E-7 FACEPLATES (MULTI PORT) - FOR SOLE PURPOSE OF CONNECTING DATA MODEM WITH ROGERS/BELL ■ 06 CM REVOISED AS PER SI E-3 2017-08-0 CM | ISSUED FOR CONSTRUCTION ML ENTERPHONE OR SECURITY OPERATED MAGLOCK CM PROGRESS FOR CONSTRUCTION 2016-12-28 CM ISSUED FOR PERMIT REVISED AS PER ESA COMMENTS AND 2016-05-1 FOR CLARIFICATION M ISSUED FOR TENDER 2016-03-1 DESCRIPTION **REVISIONS** This drawing, is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and

INCANDESCENT LIGHTING FIXTURE CEILING AND WALL MOUNTED RESPECTIVELY AS ABOVE ONLY CONNECTED TO EMERGENCY

AS ABOVE ONLY CONNECTED TO EMERGENCY

2000 TRACK LIGHTING, TYPE PER SCHEDULE

120V U-GROUND DUPLEX RECEPTACLE

120V U-GROUND DUPLEX GFI RECEPTACLE

3#8 BX OR 3#8 TWH-19MM CONDUIT

3#10 BX OR 3#10 TWH-19MM CONDUIT

ANY OF THE ABOVE DEVICES MOUNTED ABOVE COUNTER TOP OR AS INSTRUCTED ON SITE

DUPLEX RECEPTACLE MOUNTED IN MILLWORK

VOICE/DATA OUTLETS MOUNTED IN MILLWORK

DUPLEX RECEPTACLE FLOOR MOUNTED DUPLEX RECEPTACLE CEILING MOUNTED

DATA OUTLET FLOOR MOUNTED

▶□⇒ | PAC-POLE

◆ PHOTO ELECTRIC CELL

\$3 THREE-WAY SWITCH

\$4 FOUR-WAY SWITCH

\$P | SWITCH WITH PILOT LIGHT

\$LV | LOW VOLTAGE SWITCH

\$M | MASTER OPERATION SWITCH

∠ MANUAL MOTOR STARTER MAGNETIC MOTOR STARTER CONTACTOR OR STARTER □ CONTACTOR OR STARTER

— PIPE TRACING HEATING CABLE

IDENTIFIER (A= TYPE; 1.0=KW)

■ WALL MOUNTED TELEPHONE OUTLET

FLOOR MOUNTED TELEPHONE OUTLET

√M WALL MOUNTED MICROPHONE OUTLET

≪ WALL MOUNTED INTERCOM OUTLET

√P WALL MOUNTED EMERGENCY PULL SWITCH/INTERCOM

→ WALL MOUNTED TELEVISION OUTLET

SECURITY DOOR MONITOR SWITCH

SECURITY SYSTEM DOOR CONTACT

MD SECURITY SYSTEM MOTION DETECTOR

PAR | PANIC ALARM RECEIVER C/W INTERCOM

POWER CONNECTION FOR AUTOMATIC DOOR

DOOR STRIKE CONTROLLED BY INTERCOM OR

3 3H CEILING OR WALL MOUNTED P.A. SPEAKER BY OTHERS. OBTAIN BACKBOX AND INSTALL

CR CARD READER

CCTV CAMERA ⊃□ SIGNAL BELL

OPENER

/ SIGNAL BUZZER

SIGNAL PUSH BUTTON

ENTERPHONE

TX SIGNAL TRANSFORMER

CARBON MONOXIDE DETECTOR

AUDIO VISUAL KEYPAD

EMERGENCY LIGHTING BATTERY UNIT

1 AND/OR 2 HEADS EMERGENCY LIGHTING REMOTE UNIT

MANUALLY OPERATED FIRE ALARM STATION

SURFACE MOUNTED FIRE ALARM SPEAKER IN

FIRE ALARM MINI HORN FLUSH MOUNTED

SLX | FIRE ALARM COMBINATION HORN/STROBE LIGHT

FIRE ALARM CEILING MOUNTED SPEAKER

HS FIRE ALARM WALL MOUNTED SPEAKER

HEAT DETECTOR 94 DEGREE C FIXED

FIRE ALARM STROBE LIGHT

FIRE ALARM HORN WALL SURFACE MOUNTED IN

TEMPERATURE HEAT DETECTOR 58 DEGREE C FIXED TEMP. &

→ WALL MOUNTED CLOCK

→ MASTER CLOCK

FIRE ALARM BELL

FLOOR MOUNTED LOW TENSION OUTLET

IN SUITE TELEPHONE/TV COMBO DISTRIBUTION

TV/TELEPHONE IN SEPARATE BOXES AND

→ WALL MOUNTED IN SUITE SECURITY PANEL

O—⊳ | TELEPHONE ZONE CONDUIT

TRACED

347V SWITCH \$_f | FAN SWITCH \$K KEY SWITCH

VOICE/DATA OUTLETS WALL MOUNTED

CEILING OR WALL MOUNTED JUNCTION BOX

MANUAL TIME SWITCH MTD 1100MM AFF (PARAGON

FF51-0, 30 MINUTES). EXCEPT AS NOTED

MS OCCUPANCY SENSORS FOR LIGHTING CONTROL

SINGLE PHASE MOTOR, HP (KW) AS NOTED THREE PHASE MOTOR, HP (KW) AS NOTED

OSC CEILING MOUNTED OCCUPANCY SENSORS OSW | WALL MOUNTED OCCUPANCY SENSORS DIRECT CONNECTION OUTLET AS NOTED

DISCONNECT SWITCH, SIZE AS NOTED

LOW LIMIT THERMOSTAT C/W FIRE ALARM TROUBLE ZONE. PROVIDED BY DIV. 16

120V U-GROUND QUAD RECEPTACLE

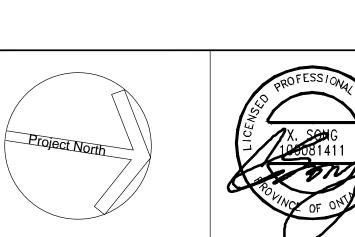
→ 120V 20A T—SLOT RECEPTACLE

SHOWN ON DRAWINGS

HALF SWITCH CONTROLLED

FLUORESCENT STRIP LIGHT

EXISTING LIGHTING FIXTURE TO BE RELOCATED EXISTING LIGHTING FIXTURE TO BE REMOVED



accept responsibility for all dimensions and

conditions on site and must notify United

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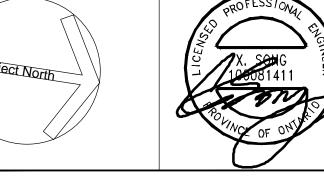
Refer to the appropriate trade drawings before

conform to all applicable codes and requirements

This drawing is not to be scaled, all symbols are

proceeding with any work. Installation must

of the authorities having jurisdiction.





ELECTRICAL SITE PLAN

PROPOSED RESIDENTIAL DEVELOPMENT

25 BAKER HILL BLVD.

ROYAL PINE HOMES STOUFFVILLE, ONTARIO

| CHECKED SCALE DRAWING PROJECT 14-016 SEPT. 2015