



- ① 2 (SUCTION PUMP)
- ② CIRCULATION PUMP
208-230/240V, 3ø, 1HP
CCT. FROM (FG-11/3/15)
- ③ JET PUMP
208-230/240V, 3ø, 15HP
CCT. FROM (FG-17/9/21)
- ④ CHEMICAL CONTROLLER
120V, 1ø, 15A
CCT. (FG-2)
- ⑤ WATER LEVEL CONTROL
120V, 1ø, 15A
CCT. (FG-4)
- ⑥ ACID FEED PUMP
120V, 1ø,
CONN. TO 'FG-3'
- ⑦ STEAM GENERATOR
575V, 3ø, 36KW
CONN. TO 'FF-FG'
- ⑧ ELECTRIC HEATER
208V, 3ø, 15KW
CONN. TO 'FG-23/25/27'

KEY NOTES - PARKING:

- OUTPUT
OUTPUT POWER CAPACITY 4000 WATT / 5000 VA NOMINAL OUTPUT
VOLTAGE 120V, 208V EFFICIENCY AT FULL LOAD 95.0% OUTPUT
CONNECTIONS

(12) NEMA 5-20R	NEMA 5-20R
(2) NEMA L6-20R	NEMA L6-20R
(1) NEMA L6-30R	NEMA L6-30R

INPUT
NOMINAL INPUT VOLTAGE 208V
INPUT CONNECTIONS
NEMA L6-30P NEMA L6-30P

- ⑫ DIV. 16 TO SUPPLY, DIV. 15 TO INSTALL HOSPITAL PLUS GRADE MUFFLER ON THE GENERATOR EXHAUST. MUFFLER AND EXHAUST PIPE SHOULD BE ISOLATED FROM THE BUILDING STRUCTURE USING SPRINGS OR HIGH TEMPERATURE FELT PADS.

- ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH MECHANICAL, STRUCTURAL, ARCHITECTURAL AND LANDSCAPE DRAWINGS, AND COMPLY WITH ALL APPLICABLE NOTES.
2. CONTRACTOR SHALL RUN CABLES WITHIN CEILING SLAB OR ENCLOSURES TO RETAIN 2 HOUR FIRE PROTECTION RATING FOR ALL LOADS THAT CONNECT TO EMERGENCY POWER.
3. STAIRWAY WALL MOUNTED EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED @ 1' AFF.
4. FOR STORAGE ROOM VENTILATION SYSTEM, DIV. 16 TO PROVIDE CONDUIT, WIRING AND SWITCH (3) TO START/STOP FAN AND DAMPER. FAN AND 110V ACTUATOR TO BE SUPPLIED AND INSTALLED BY DIV. 15.
5. 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.
6. FOR UNIT HEATER, DIV. 15 TO PROVIDE LINE VOLTAGE THERMOSTAT (T), DIV. 16 TO PROVIDE CONDUIT AND WIRING TO START/STOP UNIT HEATER.
7. SANITARY PIPE AS NOTED, ALL STANDPIPE, ALL WET SPRINKLER AND DOMESTIC WATER PIPE RUN IN UNHEATED AREA SHALL BE HEAT TRACED BY DIV. 16.
8. ULTRASONIC OCCUPANCY CEILING MOUNTED SENSORS SHOULD BE LOCATED AT A MINIMUM OF 6 FEET FROM HVAC SUPPLY/RETURN VENTS.
9. REFER TO DETAIL, % ON DWG. E-35 FOR OCCUPANCY SENSORS (LIGHTING CONTROL BLOCK).
10. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR NON-ADAPTIVE PRODUCTS, FOLLOWING THE MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK FOR OCCUPANCY SENSORS REPLACEMENT. (IF USED)
11. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PACKS FOR OCCUPANCY SENSORS. (IF USED)
12. CARBON MONOXIDE CONDUIT SYSTEM TO BE PROVIDED AND INSTALLED BY DIV. 16 THROUGHOUT PARKING LOT, AND SHALL BE MOUNTED ON COLUMNS AT 1200mm AFF. REFER TO DETAIL #2 ON DWG. E-35.
13. GARAGE EXHAUST FANS SHALL BE CONTROLLED BY CO SENSOR SYSTEM C/O OVERRIDE ON/OFF SWITCH LOCATED AT THE CAFÉ.
14. 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.
15. PROVIDE CHAIN FOR CEILING MOUNTED LIGHT FIXTURES IN P-1 LEVEL. LIGHTS TO BE INSTALLED AT 3m AFF. MAX. 2m AFF. MIN, OR INSTALL LIGHTS BELOW MECHANICAL PIPE, WHICHEVER HAS LOWER AFF.
16. OCCUPANCY SENSORS SHALL COMMUNICATE TO RELAY PANEL THROUGH LVT WIRING CIRCUIT # 21, 22, ETC. REFER TO DETAIL 23 ON DWG. E-35.
17. CONTRACTOR SHALL PROVIDE ALLOWANCE FOR HEAT TRACING TO DRUM DRIPS (6 FEET PARKING LEVEL). REFER TO DWG. E-34 FOR CIRCUITING.
18. THE INDOOR METAL ENCLOSED HIGH VOLTAGE SWITCHGEAR MUST BE CERTIFIED TO STANDARD CSA C22.2 No. 3. RULE 2-024, BULLETIN 36-6-19.
19. THE LOCATION OF THE HIGH VOLTAGE CONDUCTORS ENCASED OR EMBEDDED IN CONCRETE OR MASONRY SHALL BE INDICATED BY PERMANENT MARKERS SET IN THE WALLS, FLOORS OR CEILINGS AT INTERVALS OF NOT MORE THAN 3M. RULE 36-102 (4).
20. CONDUCTORS USED FOR THE CONNECTION TO DRY TYPE TRANSFORMERS SHALL BE PERMITTED TO ENTER A TRANSFORMER THROUGH THE TOP, ONLY WHERE THE TRANSFORMER IS MARKED TO PERMIT SUCH ENTRY. RULE 26-240 (3).
21. THE PRIMARY "120" CONNECTION OF THE HIGH VOLTAGE TRANSFORMER SHALL BE CONNECTED TO THE UTILITY COMPANY'S SYSTEM NEUTRAL, WHEN REQUIRED BY THE UTILITY COMPANY. RULE 2-034.
22. ALL OUTDOOR RECEPTACLES SHALL BE WEATHERPROOF (LEGRANDE CAT 232TR-GRY FOR NON-GFCI AND CAT# 1535TR-GRY FOR GFCI) AND SHALL BE EQUIPPED WITH A WHILE IN USE CAST ALUMINUM COVERPLATE (LEGRANDE CAT# WUCAST1) COVERPLATE.
23. ELECTRICAL FEEDS TO THE CHILLER SHOULD BE ROUTED ACROSS THE CEILING AND DOWN TO THE CHILLER PANEL, NOT UP THROUGH THE FLOORING FLOOR.
24. DIV. 16 TO PROVIDE 1" CONDUIT TO AUTOMATIC TRANSFER SWITCH AND GENERATOR CONTROLLER. REFER TO SINGLE LINE DIAGRAM DWG. E-30 FOR CONDUIT RISER DETAILS.

- 19 DIV. 16 TO PROVIDE 100A, 3P DISCONNECT IN POOL MECHANICAL ROOM FOR TURN-KEY POOL CONTRACTOR'S USE.
- 20 EXACT LOCATIONS OF OUTLETS TO BE DETERMINED ON SITE.
- 21 THIS LAYOUT AND CIRCUITING, ARE FOR INFORMATION ONLY. CONTRACTOR SHALL CONFIRM WITH SHOP DRAWINGS FOR FINAL EQUIPMENT LAYOUT AND QUANTITY.

05/05/05	8	ISSUED FOR S.I. E-4	0.1
05/01/05	1	ISSUED FOR SECURITY TENDER	0.7
05/09/05	6	ISSUED FOR S.I. E-2	0.1
05/28/05	5	ISSUED FOR S.I. E-1	0.1
10/01/04	4	RE-ISSUED FOR TENDER	0.7
05/23/04	3	ISSUED FOR TENDER	0.7
07/04/04	2	RE-ISSUED FOR PERMIT	0.7
09/06/04	1	ISSUED FOR PERMIT	0.7
DATE	NO.	DESCRIPTION	EST

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT DISCREPANCIES TO THE ENGINEERS BEFORE

DRAWINGS ARE NOT TO BE SCALED	

NOVA
TREND
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PROJECT TITLE:
ALEXANDRA BARK

38 CAMERON STREET, BLOCK
TORONTO

DRAWN BY: SO	CHECKED BY: ST	SCALE: 1:100
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DATE:	PROJECT NUMBER:	DRAWING NUMBER:
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