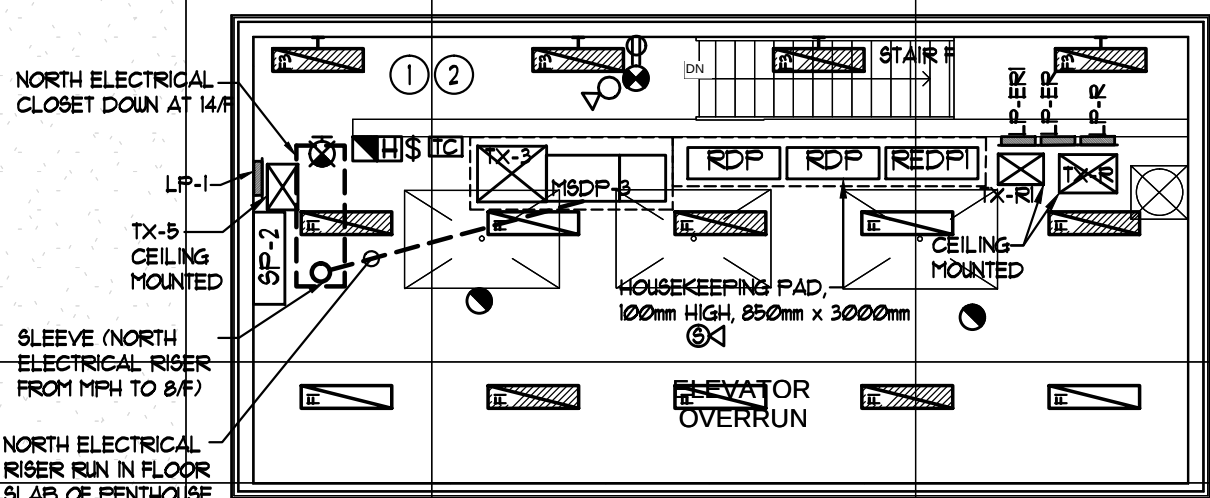




LIGHTING FIXTURE LOCATION	EXT. *	RECEPTACLE LOCATION	EXT. *
P4 TO P1 - EXIT SIGNS	EX-XX	STAIR "B" (P4 TO P2)	EX-XX
P4 TO 10/F - EXIT SING6	EX-XX	STAIR "A" (5/F2/F2)	EX-XX
11/F TO ROOF - EXIT SIGNS	EX-XX	STAIR "B" (MP4.30712421)B5/FLOORS	EX-XX
STAIR "B" (P4 TO P1)	EX-XX	STAIR "B" (12.9.6.3/P44) FLOORS	EX-XX
STAIR "A" (P4 TO G/F)	EX-XX	STAIR "C" (MP4.30712421) FLOORS	EX-XX
CORRIDOR	EX-XX	STAIR "C" (10.5/12.9.6.3) FLOORS	EX-XX
	EX-XX	STAIR "D" (P1/P4) FLOORS	EX-XX
	EX-XX	STAIR "E" (P1) FLOOR	EX-XX
	EX-XX	CORRIDOR	EX-XX

GENERAL NOTES - ROOF:

1. ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH MECHANICAL, STRUCTURAL, ARCHITECTURAL AND LANDSCAPE DRAWINGS.
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. PROVIDE ALARM SPEAKER, SMOKE DETECTOR AND RECEPTACLE AT EVERY THIRD FLOOR STAIR WELL.
4. STAIRWAY WALL MOUNTED EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED @ 1' AFF.
5. 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.
6. 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.
7. FOR UNIT HEATER, DIV. 15 TO PROVIDE LINE VOLTAGE THERMOSTAT (T), DIV. 16 TO PROVIDE CONDUIT AND WIRING TO START/STOP UNIT HEATER.
8. 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 PENTHOUSE AND BACK DOWN TO CONNECT TO THE TRANSFORMER.
9. ELECTRICAL FEEDS TO THE CHILLER SHOULD BE ROUTED ACROSS THE CEILING AND DOWN TO THE CHILLER PANEL, NOT UP THROUGH THE FLOATING FLOOR.
10. ELEVATOR CONTROLLER SUPPLIED AND INSTALLED BY OTHERS. THIS CONTRACTOR SHALL PROVIDE INTERCONNECTION BETWEEN FIRE ALARM CONTROL PANEL AND ELEVATOR CONTROLLER.
11. DIV. 16 TO PROVIDE 1" CONDUIT TO AUTOMATIC (T) TRANSFER SWITCH AND GENERATOR CONTROLLER. REFER TO SINGLE LINE DIAGRAM DWG. E-30 FOR CONDUIT RISER DETAILS.
12. 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.
13. DIV. 16 SHALL SUPPLY & INSTALL CONDUIT & WIRE AND INTERLOCK FANS TO MOTORIZED DAMPERS AND TO THE THERMOSTAT.
14. DIV. 16 SHALL SUPPLY & INSTALL CONDUIT & WIRING TO ALL BOILER CONTROLS (HIGH LIMIT SWITCH, FLOW SWITCH, VALVES ETC.).

KEY NOTES - ROOF:

- 1) FOR CIRCUITING, REFER TO TABLE "I".
- 2) ELECTRICAL CONTRACTOR SHALL PROVIDE THE FOLLOWINGS FOR BOILER:
 - 1) 515V, 3ø, 15A FEEDER FOR BOILER CIRCULATING PUMP
 - 2) 150V, 1ø, 15A DEDICATED CIRCUIT FOR BOILER IGNITER.
 - 3) BOILER SHUTDOWN PUSHBUTTON AT EXIT OF MECHANICAL ROOM.
- 3) 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.
- 4) PROVIDE CONDUIT AS PER SECURITY CONDUIT CONNECTION DIAGRAM ON DUG. E-31.
- 5) PROVIDE CONDUIT AS PER TELECOM RISER ON DUG. E-31.
- 6) ALL EXTERIOR LIGHTS SHALL BE CONTROLLED BY A TIMER/CONTACTOR LOCATED NEAR "L.F.-RI", CONNECT LIGHTS TO CIRCUIT AS SHOWN.
- 7) LOCATE 2, 120V, 15A, CIRCUITS FROM PANEL "L.F.-RI" FOR MECHANICAL CONTROL. CONTRACTOR COORDINATE WITH DIV. 15 FOR EXACT LOCATION. REFER TO PANEL SCHEDULE FOR CCMTR, "RI-1, RI-2".

ELECTRICAL LEGEND

	FLUORESCENT LIGHT FIXTURE, TYPE AB INDICATED
	WIRE OR LIGHT CONNECTED TO EMERGENCY POWER
	CEILING MOUNT/POLE MOUNT LIGHT FIXTURE
	CEILING MOUNT LIGHT FIXTURE TYPE
	POLE MOUNT LIGHT FIXTURE
	INCANDESCENT LIGHT FIXTURE TYPE
	INCANDESCENT CEILING LIGHT OUTLET
	TRACK LIGHT
	STRIP LIGHT
	UNDER CABINET FLUORESCENT LIGHT FIXTURE
	CEILING MOUNT/POLE MOUNT EXIT SIGN
	SINGLE/DOUBLE EMERGENCY LAMP REMOTE HEAD
	OCCUPANCY SENSOR POWER PACKS
	SINGLE/THREE POLE, SINGLE/THREE THROW THROUGH SWITCH RESPECTIVELY
	SINGLE/THREE POLE, SINGLE/THREE THROW THROUGH SWITCH
	MASTER LIGHTING SHUT-OFF SWITCH
	SENSOR WALL SWITCH, PUSH PULL, SELF POWERED
	OCCUPANCY SENSOR, CEILING MOUNTED

POWER

	REGULAR DUPLEX RECEPTACLE
	15-AMP DUPLEX, GROUND FAULT INTERRUPT
	3-1/8 X 1-3/8 DUPLEX RECEPTACLE
	SINGLE RECEPTACLE TYPE AND CONFIGURATION AS SPECIFIED FOR ORDER
	DIRECTION FOR OVEN/COOKTOP
	ABOVE COUNTER DEVICE
	CEILING MOUNTED DEVICES
	FLOOR MOUNTED DEVICES
	DISCONNECT SWITCH, NON-RATED
	DISCONNECT SWITCH, RATED
	COMBINATION STARTER
	FRACTIONAL MOTOR/FRAME 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 TELECOMM. BOX C/W RECEPTACLE |
|  | WIFI LOCATION |
|  | MUSIC SPEAKER / VOLUME CONTROL |
|  | 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 |
|  | AUTOMATIC DOOR OPERATOR |
|  | MOTION DETECTOR |
|  | PUSH BUTTON |
|  | SECURITY CAMERA |

LIFE SAFETY

- | | |
|---|--|
|  | FIRE ALARM SMOKE DETECTOR |
|  | SMOKE ALARM |
|  | FIXED TEMP & °C DEGREE HEAT DETECTOR |
|  | FIXED TEMP HEAT DETECTOR |
|  | MOISTURE PROOF HEAT DETECTOR |
|  | GO ALARM |
|  | COMBINATION SMOKE & GO ALARM |
|  | GO SENSOR / NO SENSOR |
|  | FIRE ALARM MANUAL PULL STATION |
|  | FIREFIGHTER'S WANDSET |
|  | FIRE ALARM STROBE/HORN WALL MTD. |
|  | FIRE ALARM MINI-HORN WALL MTD. |
|  | FIRE ALARM SPEAKER-STROBE CEILING MTD. |
|  | FIRE ALARM SPEAKER, CEILING MTD. |
|  | FIRE ALARM ANNUNCIATION PANEL |
|  | FIRE ALARM CONTROL PANEL |

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REVISIONS

DRAWINGS ARE NOT TO BE SCALED



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DRAWING TITLE:
ROOF FLOOR PLAN
ELECTRICAL LAYOUT

PROJECT TITLE:
ALEXANDRA PARK

XXX TORONTO	ONTARIO
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S.O.	S.T.	1:50
DATE: FEB. 13	PROJECT NUMBER: 1313	DRAWING NUMBER: E-29 OF