



MOUNTING HEIGHT SCHEDULE  
(DIMENSIONS ARE FROM FINISH FLOOR TO TOP OF WALL BOX)

OUTLET	SUITES	PUBLIC AREA
RECEPTACLE	18" F.F.F.	18" F.F.F.
KITCHEN COUNTER SPLIT RECEPTACLE	46" F.F.F.	46" F.F.F.
TV/TELEPHONE (MULTI-PORT) OUTLET	18" F.F.F.	18" F.F.F.
LIGHT SWITCH	38" F.F.F.	38" F.F.F.
SECURITY PANEL	62" F.F.F.	62" F.F.F.
WALL THERMOSTAT	62" F.F.F.	62" F.F.F.
FRIDGE RECEPTACLE	TO SUIT EQUIPMENT	
MICROWAVE/FAN UNIT RECEPTACLE	LOCATE IN UPPER CABINET ABOVE THERMOSTAT	
UNDER CABINET LIGHTING RECEPTACLE	LOCATE IN UPPER CABINET ABOVE MICROWAVE / FAN UNIT	
INTERCOM		41" F.F.F.
FIREFIGHTER'S HANDSET		41" F.F.F.
FULL STATION		41" F.F.F.

GENERAL AREA CIRCUITING - TABLE #1

LIGHTING FIXTURE LOCATION	CCT. #	RECEPTACLE LOCATION	CCT. #
P4 TO P1 - EXIT SIGNS	EX-XX	LOBBY (P4 TO P1)	EX-XX
G/F TO 10/F - EXIT SIGNS	EX-XX	STAIR "A" (5/F2/F2)	EX-XX
11/F TO ROOF - EXIT SIGNS	EX-XX	STAIR "B" (1/3&3/F1/4) FLOORS	EX-XX
LOBBY (P4 TO P1)	EX-XX	STAIR "B" (1/3&3/F1/4) FLOORS	EX-XX
STAIR "A" (P4 TO G/F)	EX-XX	STAIR "C" (1/3&3/F1/4) FLOORS	EX-XX
CORRIDOR	EX-XX	STAIR "D" (1/3&3/F1/4) FLOORS	EX-XX
	EX-XX	STAIR "E" (1/F) FLOOR	EX-XX
	EX-XX	CORRIDOR	EX-XX

- GENERAL NOTES - RESIDENTIAL:
- ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH MECHANICAL, STRUCTURAL, ARCHITECTURAL AND LANDSCAPE DRAWINGS, AND COMPLY WITH ALL APPLICABLE NOTES.
  - CONTRACTOR SHALL RUN CABLES WITHIN CEILING & ENCLOSURES TO RETAIN 2 HOUR FIRE PROTECTION RATING FOR ALL LOADS THAT CONNECT TO EMERGENCY POWER.
  - STAIRWAY WALL MOUNTED EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED @ 1' AFF.
  - EMERGENCY LIGHT FIXTURES IN LOCKERS, STORAGE, GARBAGE, UTILITY AND SERVICE ROOMS SHALL BE CONNECTED TO BOTH NORMAL AND EMERGENCY POWER AS PER DETAIL #1 OF DUG. E-35.
  - FOR STORAGE ROOM VENTILATION SYSTEM, DIV. 16 TO PROVIDE CONDUIT, WIRING AND SWITCH (S) TO START/STOP FAN AND DAMPER. FAN AND 120V ACTUATOR TO BE SUPPLIED AND INSTALLED BY DIV. 15.
  - 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 120V ACTUATOR TO BE SUPPLIED AND INSTALLED BY DIV. 15.
  - 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.
  - REFER TO SUITE PANEL SCHEDULES FOR INSUITE CIRCUIT ARRANGEMENT.
  - ALL DWELLING UNIT RECEPTACLES EXCEPT IN KITCHEN SHALL BE TAMPER PROOF.
  - PROVIDE GROUND FAULT PROTECTION FOR SUITE KITCHEN AND WASHROOM RECEPTACLES WITHIN 1500mm OF SINK.
  - PROVIDE TELECOMMUNICATION BOX C/W BUILT-IN RECEPTACLE FOR TELECOMMUNICATION. TELECOMMUNICATION BOX SHALL BE COMPLIANT WITH THE TELECOM SERVICE PROVIDER SPECIFICATION. REFER TO DETAIL #3 ON DUG. E-35 FOR TELECOM JUNCTION BOX INSTALLATION.
  - DRYER SENSOR TO START DRYER VENTILATION FAN AUTOMATICALLY WHEN DRYER IS RUNNING.
  - ALL SMOKE ALARMS WITHIN THE SUITE SHALL BE HARDWIRED TOGETHER AND TO A 15A IP CIRCUIT BREAKER AHEAD OF OTHER LOADS.
  - 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 REMOVED INACCESSIBLE, OR THOSE LOCATED ABOVE 1m FROM THE FLOOR OR FINISHED GRADE. RULE 26-110(a) 26-110(h). BULLETIN 26-25-11.
  - ALL BEDROOM RECEPTACLES SHALL BE CONNECTED TO ARC-FAULT CIRCUIT BREAKERS (AFGI).
  - RECEPTACLES INSTALLED IN A DINING AREA FORMING PART OF A KITCHEN OF A DWELLING UNIT SHALL BE SUPPLIED BY A BRANCH CIRCUIT THAT DOES NOT SUPPLY ANY OTHER OUTLETS. RULE 26-122(a).

- KEY NOTES - RESIDENTIAL:
- FOR CIRCUITING, REFER TO TABLE #1.
  - PROVIDE ALARM SPEAKER SMOKE DETECTOR AND RECEPTACLE AT EVERY THIRD FLOOR STAIR WELLS STARTING FROM TOP FLOOR, AS PER TO DUG. E-32 FOR FIRE ALARM RISER DIAGRAM.
  - REFER TO SUPERVISED VALVE AND FLOW SWITCH SCHEDULE ON DUG. E-XX FOR DETAILS ON TYPICAL FLOORS.
  - PROVIDE TELECOMMUNICATION BACKBOARD C/W 15V, 10, 15A RECEPTACLE AS PER COMMUNICATION RISER DIAGRAM ON DUG. E-31.
  - CONTRACTOR SHALL REFER TO ELECTRICAL SINGLE LINE DIAGRAM ON DUG. E-30 AND SDP RISER ON DUG. E-31 FOR SDP LOCATIONS AND DISTRIBUTION.
  - PROVIDE CONDUIT AS PER RISER DETAIL #3 ON DUG. E-35 FOR BISORTER/TRISORTER CONTROL SYSTEM.
  - SUITE DOOR CONTACTS WILL COMPLETE WITH INTRUSION ALARM SYSTEM THAT CONTACT TO THE CONCIERGE STATION.
  - DESIGNATED "LAUNDRY RECEPTACLE" AS DEFINED BY ESA CODE 26-110(a)(11), 26-120(b) AND ESA BULLETIN 26-26-0 (WITHIN 3m RADIUS OF LAUNDRY CLOSET). RECEPTACLE SHALL BE CONNECTED TO A DEDICATED CIRCUIT. SEE DETAIL #4 ON DUG. E-35.
  - SWITCHES, RECEPTACLES, ETC. TO BE INSTALLED AS TO NOT INTERFERE WITH THE OPENING AND OPERATION OF SLIDING DOOR.

ELECTRICAL LEGEND

LIGHTING

- FLUORESCENT LIGHT FIXTURE TYPE AS NOTICED
- NIGHT LIGHT OR LIGHT CONNECTED TO EMERGENCY POWER
- CEILING MOUNTED WALL MOUNTED LIGHT FIXTURE
- POLE MOUNTED LIGHT FIXTURE
- CLIFFED CEILING LIGHT OUTLET
- TRACK LIGHT
- STRIP LIGHT
- UNDER CABINET FLUORESCENT LIGHT FIXTURE
- CEILING MOUNTED WALL MOUNTED EXIT SIGN
- EMERGENCY LIGHT FIXTURE
- EMERGENCY BATTERY PACK
- OCCUPANCY SENSOR POWER PACKS
- 1/4" 1/8" SINGLE/THREE POLE SINGLE/THREE POLE (SCALE SIGN RESPECTIVE)
- 1/4" 1/8" 1/4" 1/8" DENOTES 1-WAY/2-WAY/3-WAY/4-WAY/PILOT LIGHT, OTHER SWITCHED LIGHT RESPECTIVELY
- MASTER LIGHTING SWITCH/PILOT SWITCH
- SENSOR WALL SWITCH FIRE SELF POWERED
- OCCUPANCY SENSOR CEILING MOUNTED

POWER

- REGULAR DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE GROUND FAULT INTERRUPT
- 3-1/2" 1-1/2" DUPLEX RECEPTACLE
- SINGLE RECEPTACLE TYPE AND CONFIGURATION AS SPECIFIED FOR DRYER
- CONNECTION FOR OVERCLOCKTOP
- ABOVE COUNTER DEVICE
- FLOOR MOUNTED DEVICES
- DISCONNECT SWITCH NON-FUSED
- DISCONNECT SWITCH FUSED
- COMBINATION SWITCH
- 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 CABLE (MULTI-PORT OUTLET) DATA OUTLET
- DATA/TELEPHONE OUTLET
- IN SUITE TELECOM BOX C/W RECEPTACLE
- IN SUITE TELECOM BOX C/W RECEPTACLE
- UP LOCATION
- MUSIC SPEAKER / VOLUME CONTROL
- RADIO RECEIVER

SECURITY

- INTERCOM / ENTERPHONE
- INTERCOM WITH CAMERA
- EMERGENCY CALL BUTTON / PANIC INTERCOM STATION
- CARD READER
- AUTOMATIC RELEASE CARD ACCESS/RADIO KEYFAN
- ELECTRIC STRIKE
- MAGLOCK
- DOOR CONTACT / WINDOW CONTACT
- AUTOMATIC DOOR OPERATOR
- MOTION DETECTOR
- PUSH BUTTON
- SECURITY CAMERA

LIFE SAFETY

- FIRE ALARM SPOKE DETECTOR
- SPOKE ALARM
- FIRE ALARM DUCT TYPE SPOKE DETECTOR
- FIRE ALARM HEAT DETECTOR
- FIXED TEMP. 57° C SMOKE HEAT DETECTOR
- MOISTURE PROOF HEAT DETECTOR
- CO ALARM
- COMBINATION SPOKE & CO ALARM
- CO SENSOR / NO SENSOR
- FIRE ALARM MANUAL PULL STATION
- PREPARED FIRE HANDSET
- FIRE ALARM STROBE/HORN WALL MTD.
- FIRE ALARM STROBE/HORN WALL MTD.
- FIRE ALARM STROBE/HORN WALL MTD.
- FIRE ALARM SPEAKER/STROBE CEILING MTD.
- FIRE ALARM SPEAKER CEILING MTD.
- FIRE ALARM ANNUNCIATOR PANEL
- FIRE ALARM CONTROL PANEL

REVISIONS

NO.	DATE	DESCRIPTION

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND SHALL BE RETURNED TO THE ENGINEER UPON COMPLETION OF WORK. DRAWINGS ARE NOT TO BE SCALED.

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DRAWING TITLE: 1/F NORTH FLOOR PLAN ELECTRICAL LAYOUT

PROJECT: ALEXANDRA PARK

DATE: FEB 13 2014

DESIGNED BY: S.T. SCALE: 1:50

DRAWN BY: S.O.

PROJECT NUMBER: 1313 DRAWING NUMBER: E-19

KEY PLAN