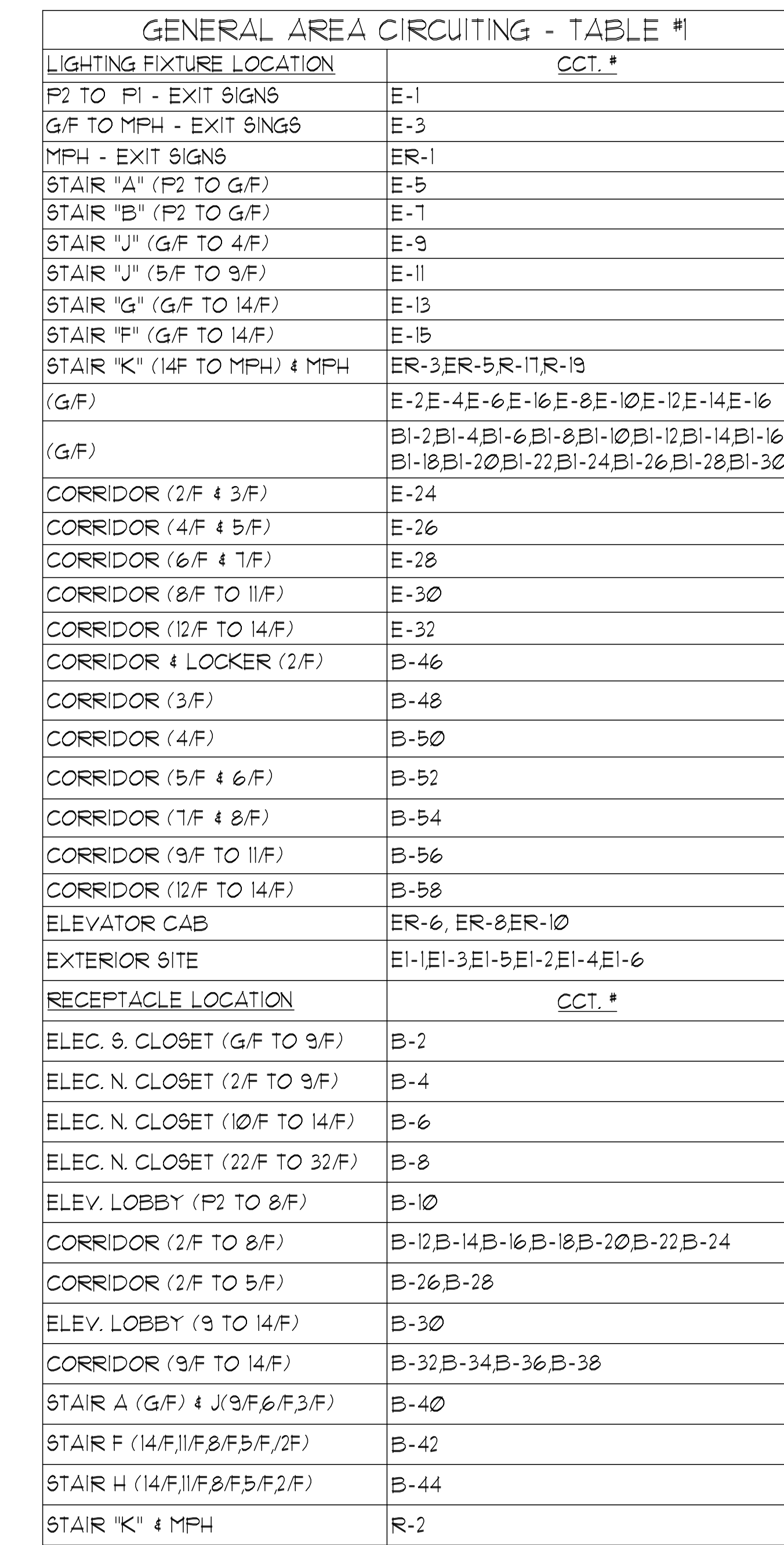




- GENERAL NOTES - PARKING:**
1. ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH MECHANICAL, STRUCTURAL, ARCHITECTURAL, AND LANDSCAPE DRAWINGS, AND COMPLY WITH ALL APPLICABLE NOTES.
 2. CONTRACTOR SHALL RUN CABLES WITHIN CEILING SLAB OR ENCLOSURES TO RETAIN 2 HOUR FIRE PROTECTION RATING FOR ALL LOADS THAT CONNECT TO EMERGENCY POWER.
 3. STAIRWAY WALL MOUNTED EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED @ 7' AFF.
 4. 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.
 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 #6 ON DUG. E-35 FOR OCCUPANCY SENSORS.
 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 #22 ON DUG. E-35.
 13. GARAGE EXHAUST FANS SHALL BE CONTROLLED BY CO SENSOR SYSTEM/CAU OVERRIDE ON/OFF SWITCH LOCATED AT THE CAFC.
 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-LEVEL. LIGHTS TO BE INSTALLED AT 3m AFF. MAX, 21m 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 DUG. E-35.
 17. CONTRACTOR SHALL PROVIDE ALLOWANCE FOR HEAT TRACING TO DRUM DRIIPS (6 PER PARKING LEVEL).
 18. THE INDOOR METAL ENCLOSED HIGH VOLTAGE SWITCHGEAR MUST BE CERTIFIED TO STANDARD CSA C222 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 36-100 (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 "400" 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 3232TRUR-GRY FOR NON-GFCI) AND CAT# 1B35TRUR-GRY FOR GFCI) AND SHALL BE EQUIPPED WITH A WHILE IN USE CAST ALUMINUM COVERPLATE (LEGRANDE CAT# 1WUACASTI) COVERPLATE.
 23. ELECTRICAL FEEDS TO THE CHILLER SHOULD BE ROUTED ACROSS THE CEILING AND DOWN TO THE CHILLER PANEL, NOT UP THROUGH THE FLOATING FLOOR.
 24. DIV. 16 TO PROVIDE 1" CONDUIT TO AUTOMATIC TRANSFER SWITCH AND GENERATOR CONTROLLER. REFER TO SINGLE LINE DIAGRAM DUG. E-30 FOR CONDUIT RISER DETAILS.

ELECTRICAL LEGEND	
LIGHTING	
	FLUORESCENT LIGHT FIXTURE, TYPE AS INDICATED
	NIGHT LIGHT OR EXIT SIGN, CONNECTED TO EMERGENCY POWER
	LIGHTED MOUNTED ALARM TO MONITOR POWER, NOTIFIED LETTER DENOTES TYPE
	POLE MOUNTED LIGHT FIXTURE, NOTIFIED LETTER DENOTES TYPE
	CAMPED LIGHTING OUTLET, TYPE
	TRACK LIGHT
	STEP LIGHT
	UNDER CABINET FLUORESCENT LIGHTING FIXTURE
	CEILING MOUNTED ALARM, MOUNTED EXIT SIGN
	EMERGENCY POWER SUPPLY, LETTER REMOTE HEAD
	BATTERY PACK
	OCCUPANCY SENSOR POWER PACKS
	SINGLE/THREE POLE, SINGLE/THREE PHASE TOGGLE SWITCH, RESPECTIVELY
	MASTER LIGHTING SWITCH, OFF SWITCH
	PILOT LIGHT, SWITCH OR ALARM PILOT LIGHT, DIFFER SWITCH OUTLET, DIFFER SWITCH
	MASTER LIGHTING SWITCH, OFF SWITCH
	POWER SWITCH, PUSH BUTTON, PUSH BUTTON, PUSH BUTTON
	OCCUPANCY SENSOR, CEILING MOUNTED
POWER	
	REGULAR DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPT
	3-1/2 X 1-1/2 DUPLEX RECEPTACLE
	SINGLE RECEPTACLE, TYPE AND CONFIGURATION AS SPECIFIED
	CONNECTION FOR OVERCURRENT PROTECTION
	ABOVE COUNTER DEVICE
	LIGHTING MOUNTED DEVICES
	FLOOR MOUNTED DEVICES
	DISCONNECT SWITCH, NON-FUSED
	DISCONNECT SWITCH, FUSED
	INTERPOSITION STARTER
	PHASE, MOTOR, MOTOR, DIRECT CONNECTION
	DIRECT CONNECTION, SINGLE PHASE
	DIRECT CONNECTION, THREE PHASE
	DRYER SENSOR
	HEAT TRACE
	ELECTRICAL HEATER
	ELECTRICAL PANEL, SECURITY PANEL
TELECOMMUNICATION	
	TV CABLE OUTLET
	TELEPHONE OUTLET
	TELEPHONE CABLE (MULTI-PORT) OUTLET
	DATA/TELEPHONE OUTLET
	N-TYPE TELEPHONY BLOCK RECEPTACLE
	MUSIC RECEIVER / VOLUME CONTROL
	RADIO RECEIVER
SECURITY	
	INTERCOM / INTERPHONE
	INTERCOM WITH CAMERA
	PUSH BUTTON
	AUTOMATIC RELEASE CARD ACCESS/RESTRICTOR STATION
	AUTOMATIC MAGNETIC CARD ACCESS/RESTRICTOR
	HACKING STRIKE
	MASTER LOCK
	DOOR CONTACT / WINDOW CONTACT
	GLASS BREAK DETECTOR
	AUTOMATIC DOOR OPERATOR
	MOTION DETECTOR
	PUSH BUTTON
	SECURITY CAMERA
LIFE SAFETY	
	FIRE ALARM SMOKE DETECTOR
	SMOKE ALARM
	FIRE ALARM DUST TYPE SMOKE DETECTOR
	FIRE ALARM HORN
	FIRE ALARM HORN & BELL, HEAT DETECTOR
	MANUAL PULL STATION
	CO ALARM
	CORRELATION SMOKE / CO ALARM
	CO SENSOR / NO SENSOR
	FIRE ALARM PANEL, PULL STATION
	FIRE ALARM, STROBE/HORN
	FIRE ALARM, STROBE/HORN, WALL MTD
	FIRE ALARM, HORN-HORN, WALL MTD
	FIRE ALARM, SPEAKER/STROBE, CEILING MTD
	FIRE ALARM, SPEAKER, CEILING MTD
	FIRE ALARM, STROBE, WALL MTD
	FIRE ALARM, SPEAKER, CEILING MTD

[illegible]

MARK YOUR 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



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DRAWING TITLE:
P-2 FLOOR PLAN
ELECTRICAL LAYOUT

PROJECT TITLE:
ALEXANDRA PARK

38 CAMERON STREET, BLOCK II
TORONTO ONTARIO

DATE: S.O.	TIME: S.T.	TIME: 1:00
DATE: FEB. 13	PROJECT NUMBER: 13/3	DRAWING NUMBER: E-2 OF

- ⑩ ELECTRICAL CONTRACTOR SHALL PROVIDE A RECEPTACLE WITH CONFIGURATION (NEMA 1-20R, 2-15, 3-CONDUIT 120/208V PANEL) WITH METER FOR PHEV, PLUG-IN HYBRID (ELECTRIC VEHICLES), 5 DEDICATED 1 ϕ , 208V, 40A CIRCUITS.
 - ⑪ EMERGENCY LIGHT FIXTURES IN LOCKERS, STORAGE, UTILITY AND SERVICE ROOMS SHALL BE CONNECTED TO BOTH NORMAL AND EMERGENCY POWER AS PER DETAIL 98 OF DUG. E-35.
 - ⑫ REFER TO ID DRAWINGS FOR ELEVATOR LOBBY LIGHTING FIXTURES MOUNTING DIMENSIONS.
 - ⑬ PROVIDE ONE ZONE FOR CO MONITORING AT EACH PARKING LEVEL, I.E. ACTIVATION OF ANY CO SENSOR IN PARKING LEVEL SHALL TRIGGER ALL EXHAUST FANS TO START IN THE PARKING LEVEL.
 - ⑭ 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 FIBER BOARD.
 - ⑮ ACTIVATION OF FIRE ALARM SYSTEM SHALL ACTIVATE THE SUPPLY FANS, WHEN THE DUCT TYPE SMOKE DETECTOR IS ACTIVATED, THE ASSOCIATED SUPPLY FAN SHALL BE TURNED OFF, WHEN THE MOTORIZED DAMPER IS ACTIVATED, THE DOOR SHALL BE RELEASE AND OPENED.
 - ⑯ ALLOCATE 2, 120V, 15A, CCTS FOR MECHANICAL CONTROL. CONTRACTOR SHALL COORDINATE WITH DIV. 15 FOR EXACT LOCATION.
 - ⑰ F.H.C. IN UNHEATED AREAS ARE TO BE HEAT TRACED BY DIV. 16. CONNECT TO GFI CIRCUIT AS SHOWN.
 - ⑱ CONTROL PANEL FOR SANITARY PUMP AND STORM PUMP BY DIV. 15. POWER CONNECTION UP TO CONTROL PANELS SHALL BE INSTALLED BY DIV. 16. CONTRACTOR THIS CONTRACTOR SHALL SUPPLY UNDER SLAB CONDUITS FOR POWER AND CONTROL WIRING FROM CONTROL PANELS TO SANITARY/SUMP PIT.
 - ⑲ INSTALL 3/4" CONDUIT C/W WIRING AND PULL STRING FROM SANITARY AND STORM PUMP CONTROL PANEL TO CONCIERGE DESK AND CAC FOR HIGH WATER ALARM SYSTEM.

