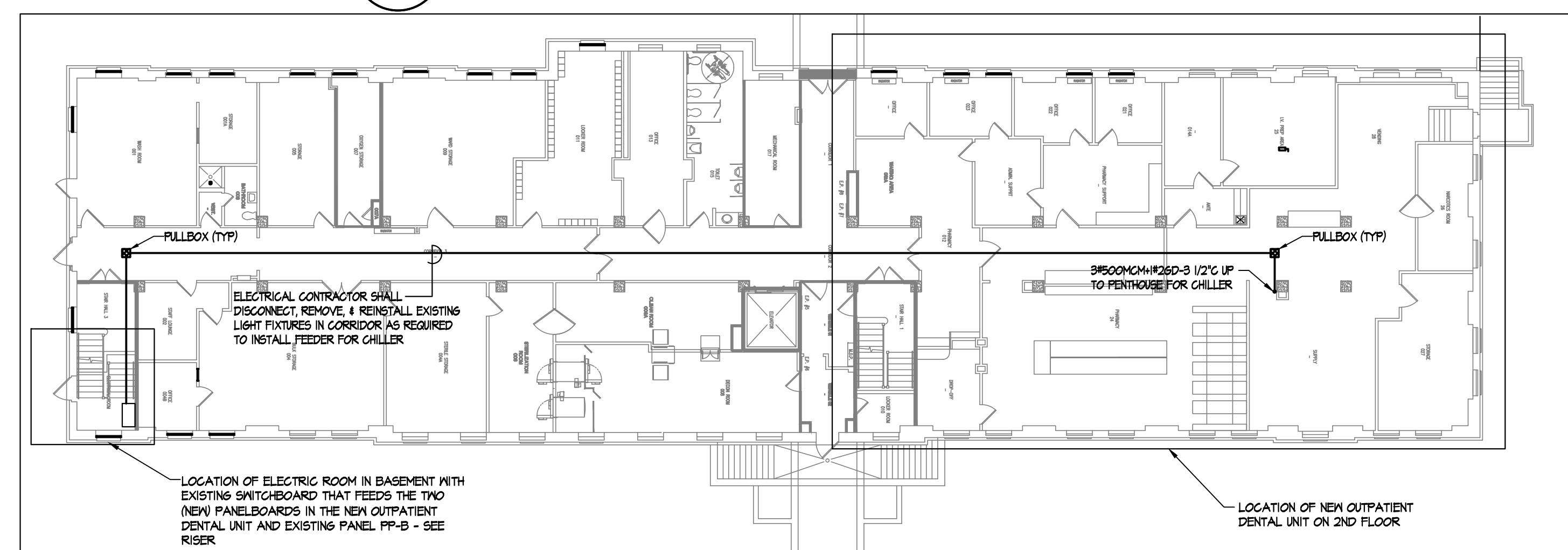
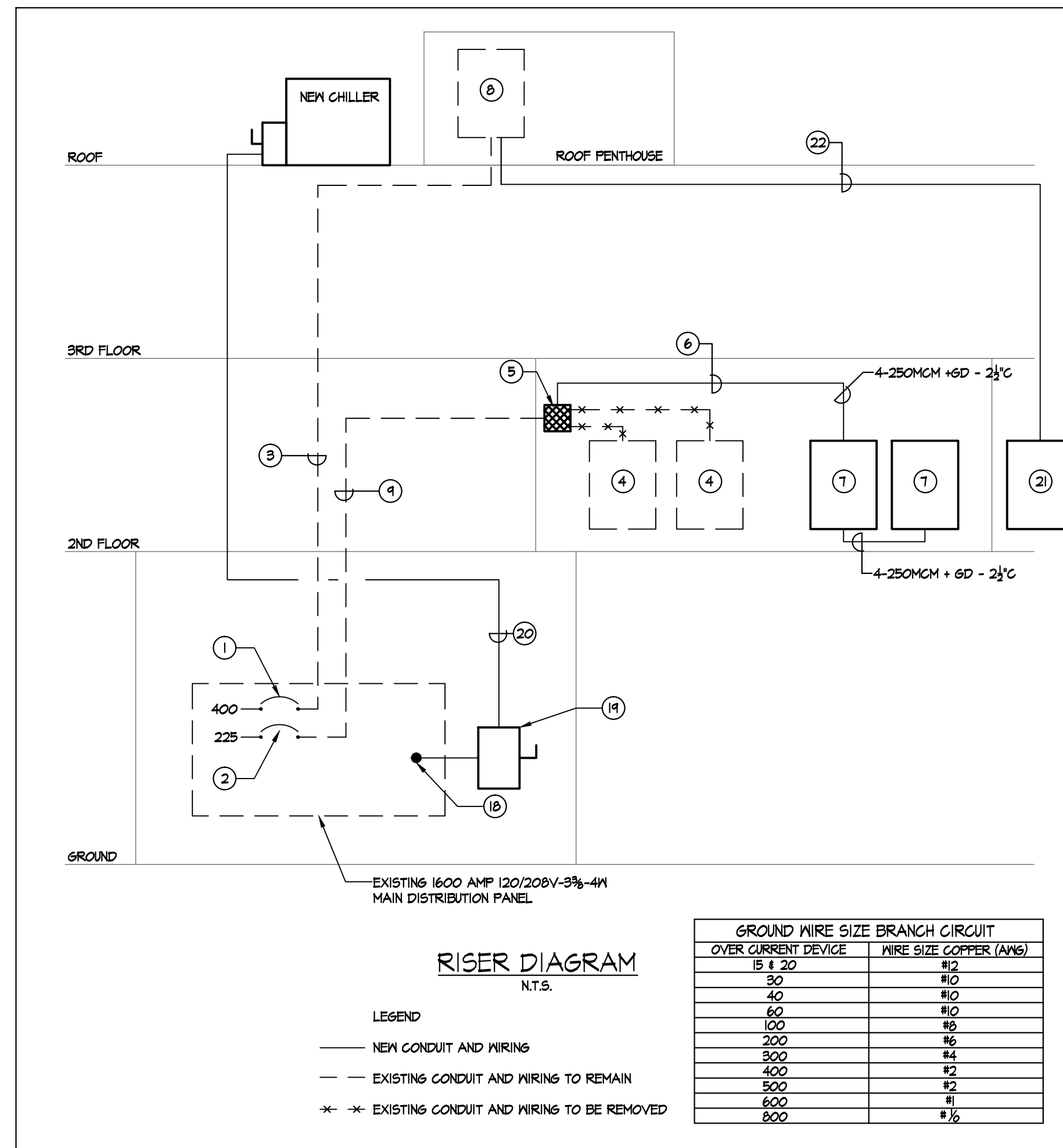


1 ELECTRICAL PENTHOUSE POWER PLAN
Scale : 1/4" = 1'-0"

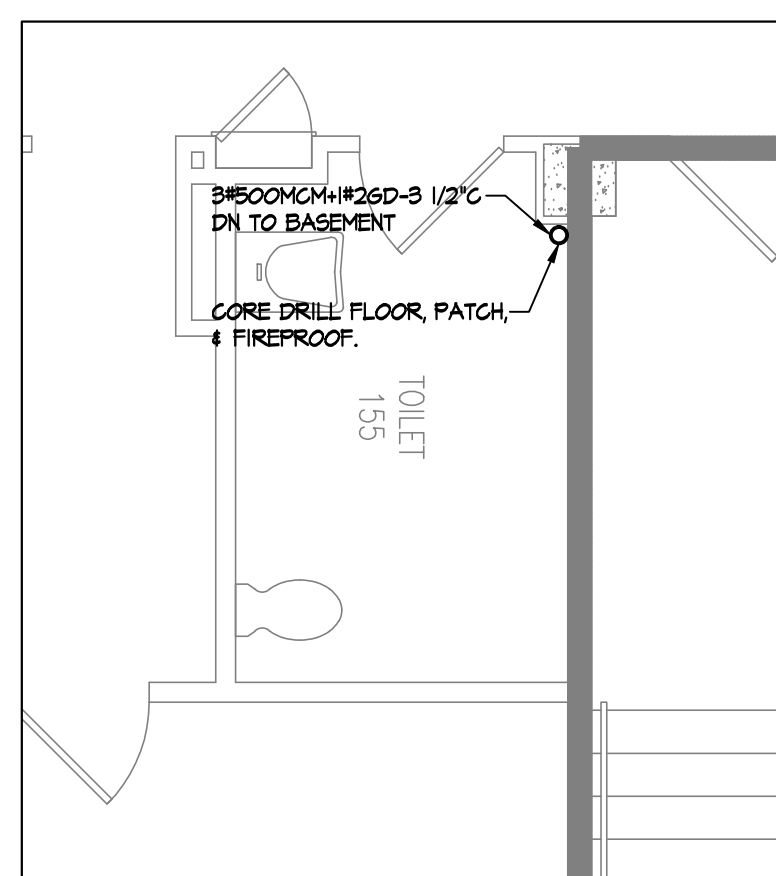


2 ELECTRICAL BASEMENT POWER PLAN
Scale : 1/16" = 1'-0"

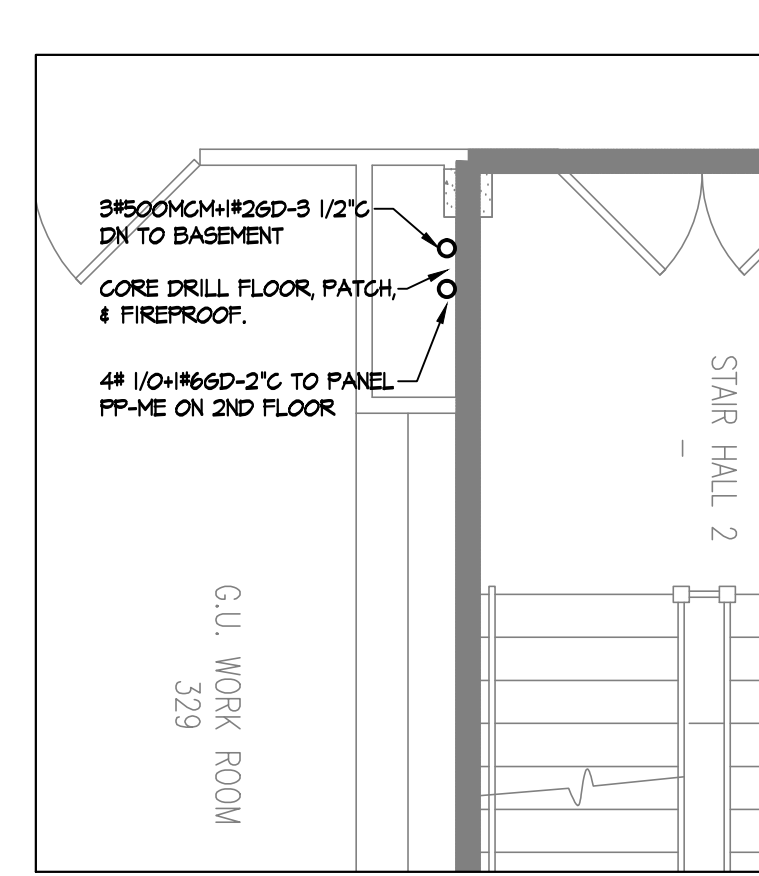


KEYED NOTES - E-4

- 1 EXISTING 400A-3P BREAKER FEEDING ROOF PENTHOUSE MECHANICAL PANEL PP-B TO REMAIN
- 2 EXISTING 225A-3P BREAKER FEEDING EXISTING PANELS LP-B-2 TO REMAIN
- 3 EXISTING FEEDER FROM PANEL 4-500CMXW #26RD - 3 (2 1/2")
- 4 EXISTING PANEL LP-B-2 TO BE REMOVED
- 5 INTERRUPT EXISTING FEEDER WITH NEW SPJLCE BOX. EXTEND EXISTING FEEDER FROM SPJLCE BOX TO NEW PANELS PP-B-A AND PP-B-B WITH NEW CONDUIT AND WIRING AS INDICATED.
- 6 NEW FEEDER TO PP-B-A AND PP-B-B 4-250CMX2 1/2"
- 7 NEW PANEL PP-B-A AND PP-B-B (2 SECTIONS)
- 8 EXISTING 400A-M DISTRIBUTION PANEL PP-B IN EXISTING ROOF MECHANICAL PENTHOUSE TO REMAIN
- 9 EXISTING FEEDER TO REMAIN - 4-250CMX
- 10 EXISTING EXHAUST FAN POWER TO BE DISCONNECTED AND EXTENDED OVER TO NEW LOCATION OF FAN WITH 2#2X2#2-60/3/4"
- 11 NEW LOCATION OF EXISTING EXHAUST FAN
- 12 REMOVE EXISTING LIGHT SWITCH
- 13 EXISTING LIGHT TO REMAIN
- 14 NEW LIGHT SWITCH CONNECTED TO EXISTING AND NEW LIGHTING WITH NEW CONDUIT AND WIRING 2#2-3/4" FOR THREE MPT SWITCH CONTROL
- 15 EXISTING RECEPTACLE TO REMAIN - CONTRACTOR TO MAINTAIN CONTINUITY OF CIRCUIT
- 16 EXISTING SWITCH TO REMAIN
- 17 EXISTING RECEPTACLE TO BE REMOVED. REROUTE EXISTING CONDUIT AND WIRING FOR DETAIL OF CIRCUITS TO REMAIN
- 18 TAP BUS OF WIGGINS DISTRIBUTION PANEL ON LOAD SIDE WITH NEW COPPER BUS DETAIL FOR CONNECTION OF 3-500CMX#2 GRD FOR NEW 400A DISCONNECT SWITCH. (TAP NOT TO EXCEED 10'-0")
- 19 NEW 400A-3P DISCONNECT SWITCH FUSED @ 350A FOR NEW ROOF TOP CHILLER
- 20 NEW FEEDER 3-500CMX#2-60/3/4" 3 (2 1/2" - 300'-0")
- 21 NEW PANEL PP-ME
- 22 4# 1/4X1/4-60 - 2'
- 23 COMBINATION EXT. SIGN AND EMERGENCY BATTERY UNIT. CONNECT TO UNCONTROLLED LOAD LINES OF EXISTING LIGHTING CIRCUIT WITH NEW CONDUIT AND WIRING 2#2-60/3/4"



3 ELECTRICAL 1ST FLOOR PART PLAN
Scale : 1/4" = 1'-0"



4 ELECTRICAL 3RD FLOOR PART PLAN
Scale : 1/4" = 1'-0"

[illegible]

Δ INDICATES GROUND FAULT BREAKER

PANEL: NEW PANEL PP-10B				LOC. AT	CORRIDOR	MTD. DFLUSH		SURFACE		FED FR. MDP	
RATINGS		120	208	-3PH- 4W		54	P	225 AMP. CU. BUS		GND. BUS	
FEEDER # COPPER 2-SECTION PANEL (SECTION #2) MAIN SERVICE AMP. 3 P											
CIRCUIT		PH. LOAD (VA)		WIRE (AWG)		DIST. TRIP C/B		C/LGS		FU. & SW	
NO.		SERVING		A B C		C/B		FUSE		PH. LOAD (VA)	
						AWG		C B A		SERVING	
3	AGGHT			2#12H#260-3/4"		20		2#12H#260-3/4"			
5	MACH-1			2#12H#260-3/4"		5				RECEPT. 4	
7										TEL. 8	
9	DUST COLLECTOR			2#12H#260-3/4"		20				POLISHER 10	
11										STAT. 12	
13	OVEN			3#12H#260-3/4"		20					
17											
19	STEAM CLEANER			3#12H#260-3/4"		20				AIR CLEANER 18	
23	TRIMMER			2#12H#260-3/4"		20				BLASTER 20	
25	BOIL-OUT UNIT			3#12H#260-3/4"		30				RECEPT. 24	
27								20		X-RAY 28	
29	RECEPT.			2#12H#260-3/4"		20		2#12H#260-3/4"		30	
31										ALARM PANELS 32	
33	FC-2-8A1011									FC-2-25A 34	
35	FC-2-5A1									FC-2-5A1 36	
37	PROG HOOD									SPACE 38	
39	SPACE										
41											
43											
45											
47											
49											
51	SPACE									SPACE 50	
53											
55											
57											
59											
TOT. ODD CKT.				TOT. CONN. LOAD:				KVA		TOT. EVEN CKT.	

△ INDICATES GROUND FAULT BREAKER


PANEL EXIST. PANEL PP-B		LOC. AT PENTHOUSE MECH.		MTD. FLUSH SURFACE		FED FR SERVICE		
RATINGS 120 208 3PH-4W		42 P.H.		400 AMP CUB BUS		CISO GND. BUS		
FEEDER	CIRCUIT	AMP 3P.	C/B	SHUNT TRIP	C/B	LUGS	PU. & SW	DOUBLE LUGS
NO.	CIRCUIT	PH. LOAD (VA)	WIRE (AWG)	C/B	FUSE	WIRE (AWG)	PH. LOAD (VA)	CIRCUIT NO.
1	SERVING	A B C	EXISTING			EXISTING		
2	EXIST. CHILLER							EXIST. A-C FAN 4
3								
4	EXIST. PUMP							EXIST. FAN EF 10
5								
6	EXIST. LIGHTS							EXIST. HEAT TRACE 14
7	EXIST. RECEPT.							EXIST. PUMP 16
8	EXIST. PUMP							EXIST. CONTROLS 18
9	NEW RECEPT.							EXIST. HEATER 20
21		2#12HSG-3/4"						EXIST. FAN 22
22	AHU-2	3#12HSG-3/4"	30					EXISTING 28
27	EF-445	2#12HSG-3/4"	30		15			28
29	EF-243							28
31					15	3#12HSG-3/4"		EF-6 32
33	HVX PUMP 142	3#12HSG-3/4"	15					PUMP SCPI-1 34
34								
38	AHU-2 CONTROL	2#12HSG-3/4"	15		15	3#12HSG-3/4"		PUMP SCPI-1 34
39	SPARE			20	125	4#10HSG-2"		PANEL PFME 40
41								42
TOT. ODD CKT.		TOT. CONN. LOAD.				KVA		TOT. EVEN CKT.
		TOT. DEM. LOAD.				KVA		

ALL CIRCUITS AND WIRING SHALL BE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE, AS AMENDED BY THE CITY OF SAN ANTONIO.

• INDICATES NEW BREAKER INSTALLED IN EXISTING PANEL
ALL BREAKERS SHALL BE 22,000 AIC

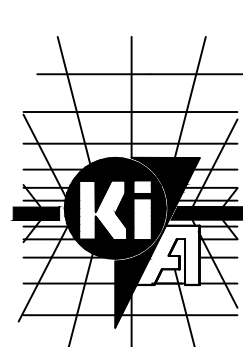
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ALL CONDUIT AND WIRING SHALL BE PER CODE UNLESS OTHERWISE NOTED ON PLAN

		EMTGENGINEERS.COM	
EMTG Consulting Engineers			
TEL: 212-268-6465		FAX: 212-268-6467	
115 WEST 30TH STREET, SUITE 202. , NEW YORK, NY 10001			



Revisions
VA FORM 08-6231, DEC 1989



KENNETH IRVING, ARCHITECT P.C.
42 MEMORIAL PLAZA, SUITE 301, PLEASANTVILLE, N.Y. 10570

PHONE:(914)747-0002 ○ E-MAIL:mandrade@kiarch.com ○ FAX:(914)747-9211

NOTE AND READ CAREFULLY:

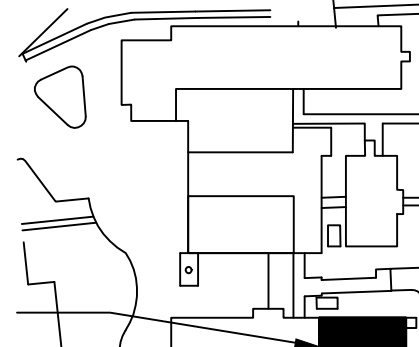
The Contractor shall consult and study the requirements of each and every drawing and each specification section of this contract so that he /she may become acquainted with the project as a whole in order to determine how the work of his/hers subcontractor or vendor may affect the work required under this contract.

Written Specifications are part of this contract

KEY PLAN



AREA OF WORK



Drawing Title

ELECTRICAL PENTHOUSE POWER PLAN, RISER DIAGRAM, & SCHEDULES

Approved: Division Chief

Approved: Service Director

Project Title

Project Title
Renovation to Dental Clinic
Building 18
Healthcare System
Castle Point, New York

	Building Number

Location	Castle Point, New York
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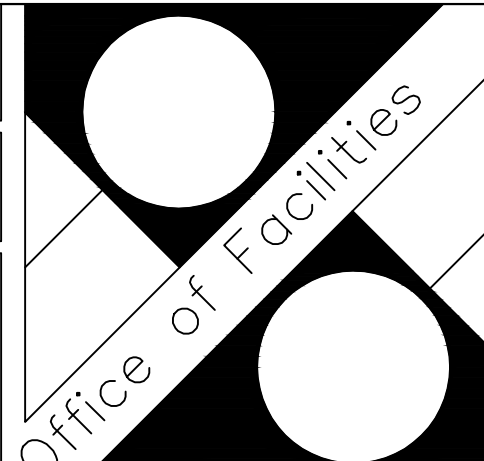
Date

4/23/2012

Project No.
620-A409-110

DRAWING NO.	
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