

KEYNOTE LEGEND

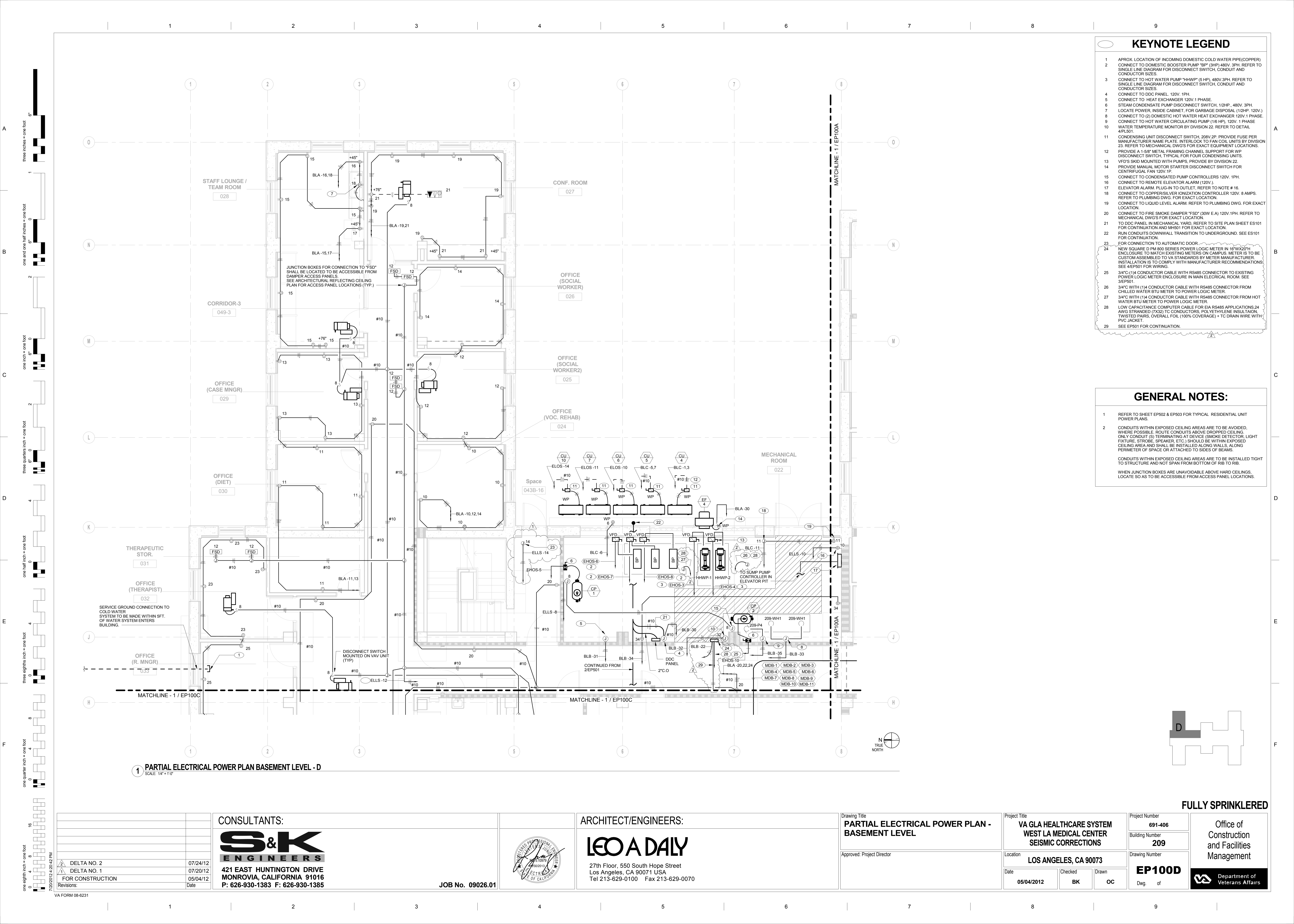
- 1 PROVIDE 120V. SHUNT TRIP COIL.
2 PROVIDE "HACR TYPE" CIRCUIT BREAKER

VOLTAGE 120/208V. 3PH, 4W.										PANEL "BLB"										LOCATION ELECTRICAL ROOM #043									
BUS AMPS 225A																				TOP FEED <input checked="" type="checkbox"/> SURFACE MTG. <input checked="" type="checkbox"/>									
MAIN BREAKER <input checked="" type="checkbox"/> 225 A.F. 225 A.T.																				BOTTOM FEED <input type="checkbox"/> FLUSH MTG. <input type="checkbox"/>									
LUGS ONLY <input type="checkbox"/>																				REMARKS									
DESCRIPTION		VOLT-AMPS			OUTLETS			C	K	B	C	B	C	OUTLETS	L	C	L	VOLT-AMPS	DESCRIPTION										
		A	B	C	L	R	M				A	B	C	L	R	M		A	B	C									
KITCHEN RANGE		5500			°	1		50A-2P	1		2	40A-2P	1		°			5500				KITCHEN RANGE							
			5500		°						4			°															
KITCHEN RANGE				5500	°		1	50A-2P	5		6	20A-1P	1		°			5500		1200		DISHWASHER							
---		5500			°			-	7		8			6				1080				GENERAL OUTLETS							
REFRIGERATOR			800				1	20A-1P	9		10			1				800				REFRIGERATOR							
GENERAL OUTLET				1080			6		11		12	30A-1P	1						1920			GARBAGE DISPOSAL							
KITCHEN HOOD		300					3		13		14	20A-1P	3				540					STORAGE							
ELECTRICAL RM			720				4	20A-1P	15		16	20A-1P	5					900				FITNESS							
ELEVATOR PIT				300				20A-1P	17		18	20A-1P	1						800			FITNESS							
FITNESS			800				1	20A-1P	19		20						800					FITNESS							
FITNESS				800			1	20A-1P	21		22			2			200					POWER LOGIC METER 1/2							
SPARE									23		24											SPARE							
SPARE									25		26	20A-1P	2	1			860					DRINKING FOUNTAIN							
SPARE									27		28	20A-1P	6				1080					RECREATION ROOM							
SPARE									29		30								500			DDC PANEL							
HEAT EXCHANGER MECH RM		500						20A-1P	31		32						500					WATER TEMP MONITOR							
DOMESTIC HW EXCHANG. MECH RM			500						33		34						540					CONVENIENT OUTLET MECH RM							
HW CIR. PUMP MECH. RM				528					35		36		11	°				346				LIGHTING							
SPARE									37		38											SPARE							
									39		40																		
									41		42																		
SUB TOTALS		12600	8320	7408													9280	9020	4766			SUB TOTALS							
CONN. PHASE TOTAL:		A 21880	B 17340	C 12174	CONN. PANEL TOTAL					51394	VA,	MAX CONN. LINE CURRENT					182	AMPS											
(KVA) PANEL TOTAL		51.39	+ L.C.L. (25)			8.34	=			59.73	KVA,	BALANCED CURRENT					166	AMPS,	DESIGN LOAD 64.8 KVA										

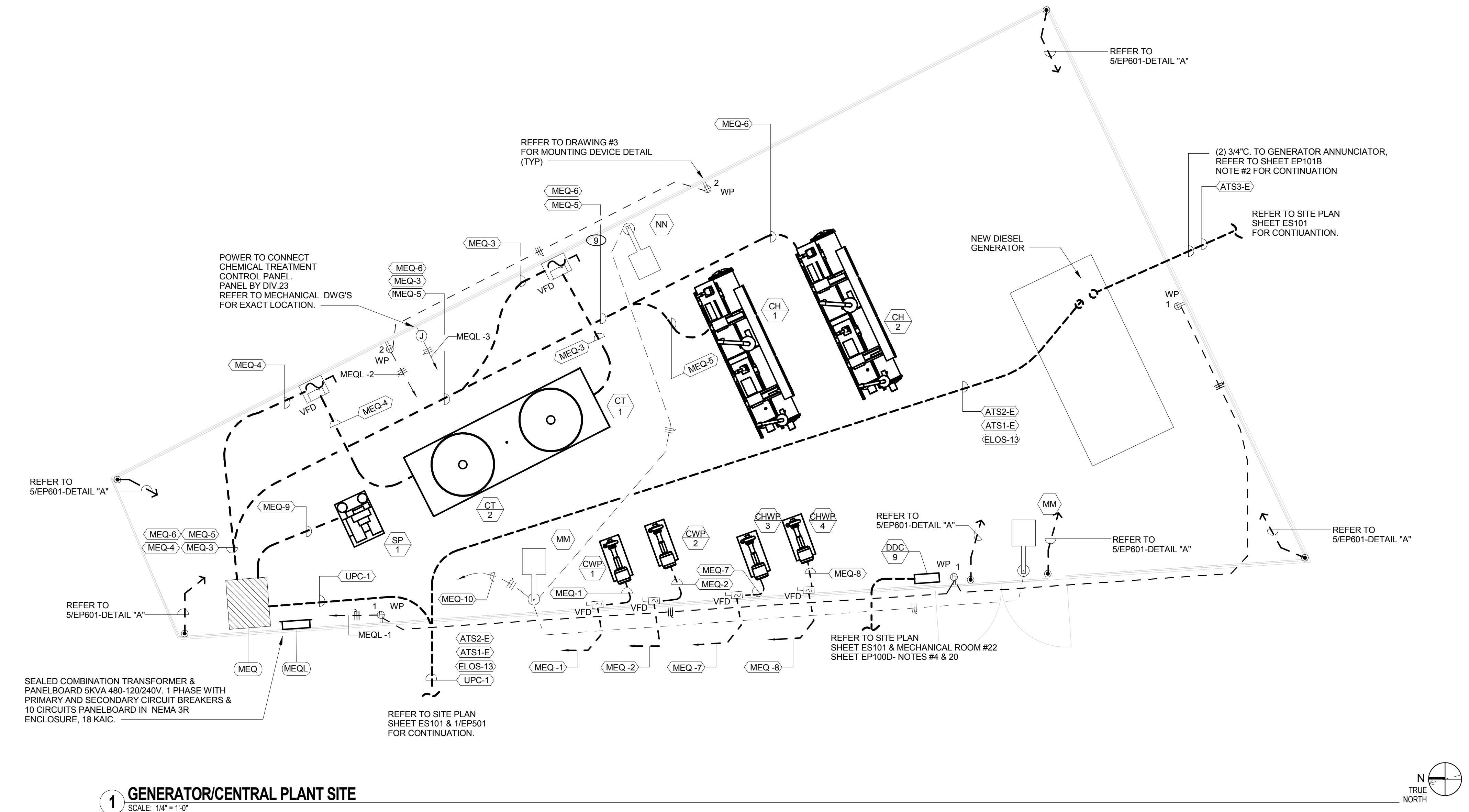
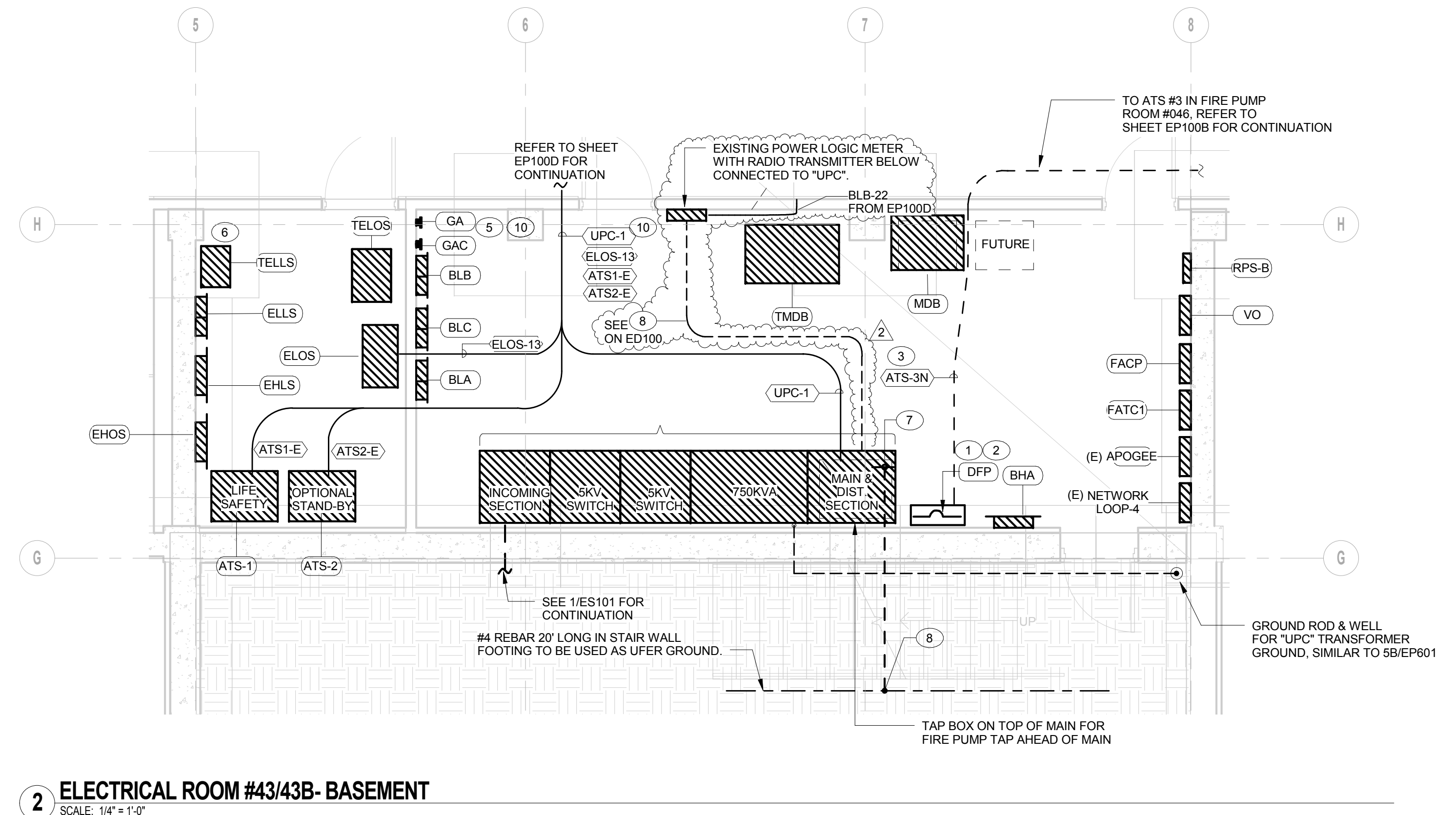
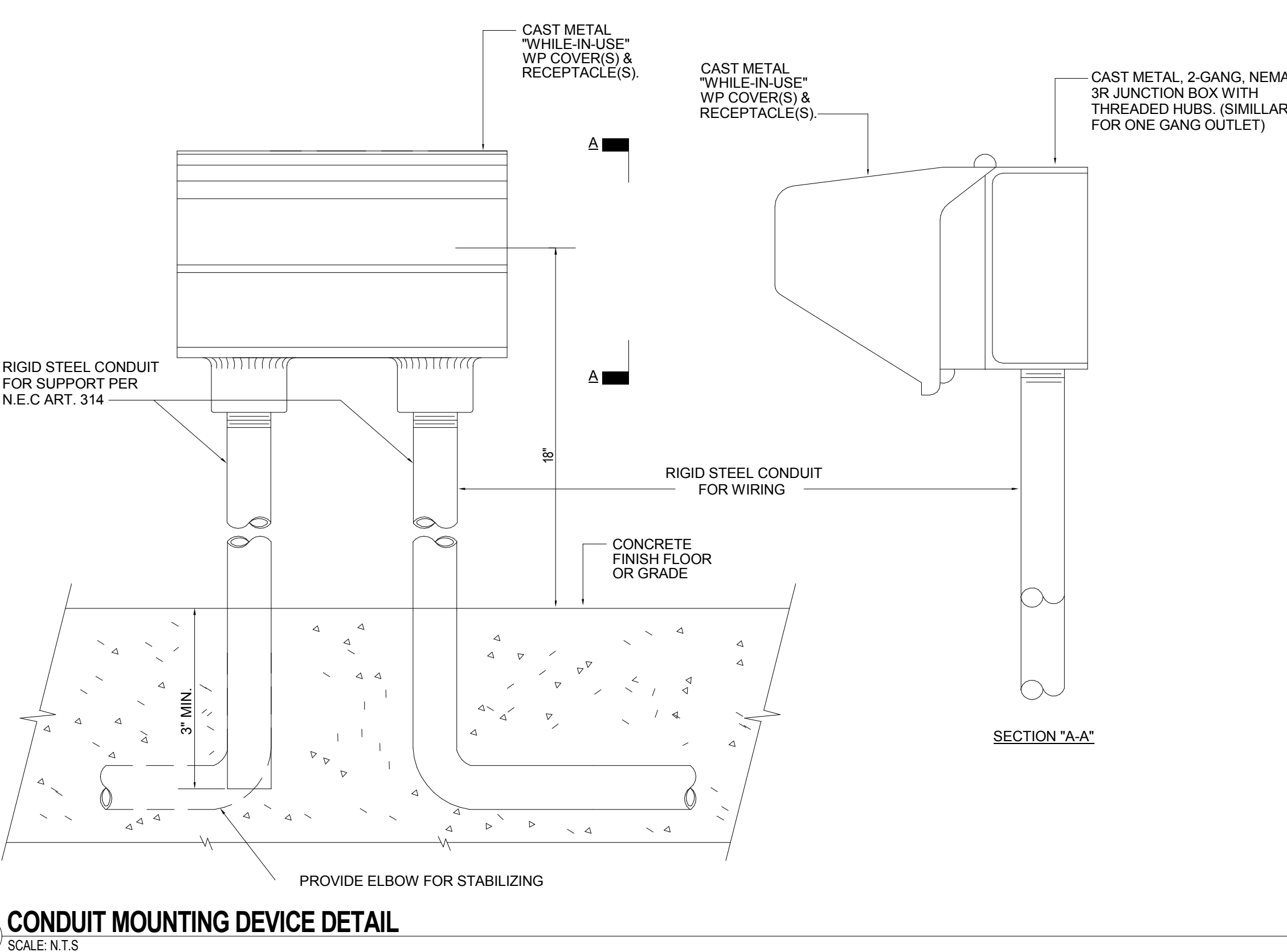
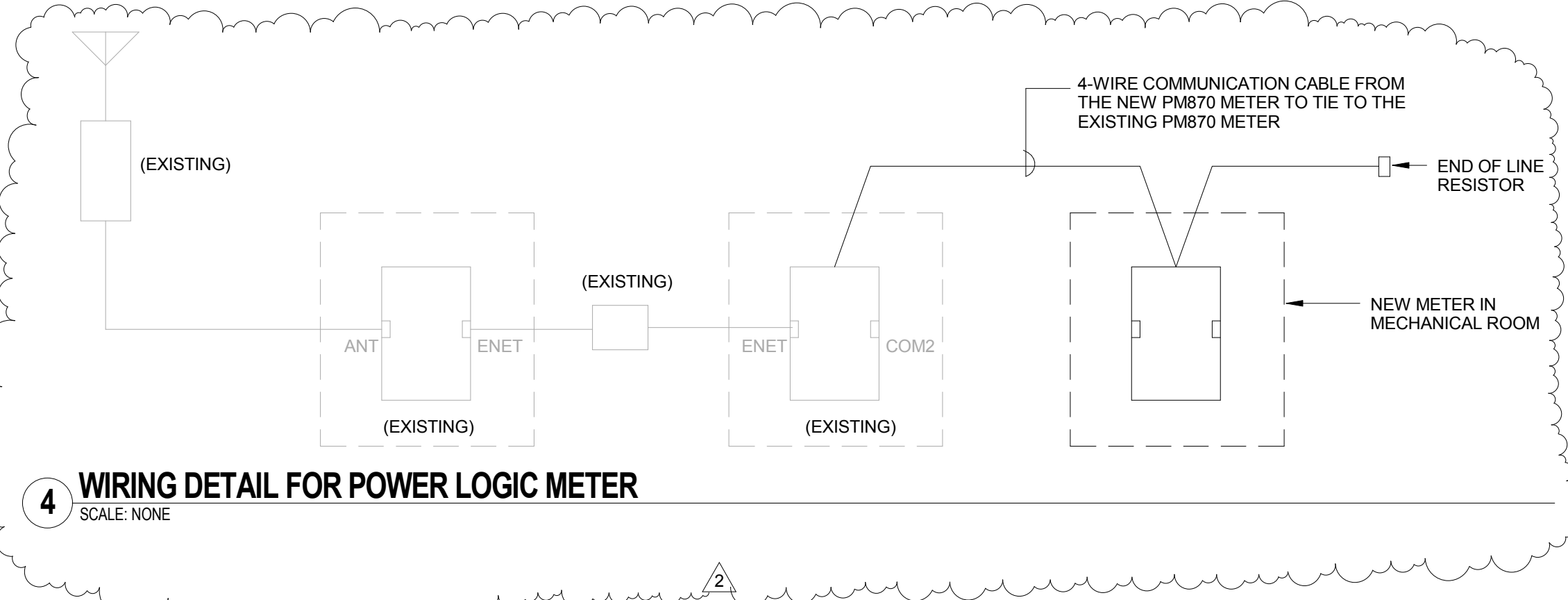
VOLTAGE 120/208V. 3PH, 4W.		PANEL "ELOS1CM"										LOCATION ELECTRICAL ROOM #119				
BUS AMPS 100A												TOP FEED <input checked="" type="checkbox"/> SURFACE MTG. <input checked="" type="checkbox"/>				
MAIN BREAKER <input checked="" type="checkbox"/> 100 A.F. 70 A.T. 1												BOTTOM FEED <input type="checkbox"/> FLUSH MTG. <input type="checkbox"/>				
LUGS ONLY <input type="checkbox"/>												REMARKS				
DESCRIPTION	VOLT-AMPS			L C L	OUTLETS L R M	C B	C K T 20A-1P	C K T 1	C K T 2	C B 20A-1P	OUTLETS L R M	L C L	VOLT-AMPS			DESCRIPTION
	A	B	C										A	B	C	
EPO/CONTACTOR	360							1			1		1200			TELEPHONE RACK
CATV AMP		1200						3			4			1200		CATV PANEL
DOOR ACCESS CONTRLLER			1200					5			6				1200	ACCESSES CONTRLLER
PAGING AMP	1080							7			8			360		GENERAL OUTLETS
SPARE								9			10					SPARE
								11			12					
								13			14					
								15			16					
								17			18					
SPARE								19			20					SPARE
BUSSED SPACE								21			22					BUSSED SPACE
								23			24					
								25			26					
								27			28					
								29			30					
								31			32					
								33			34					
								35			36					
								37			38					
								39			40					
								41			42					
SUB TOTALS		1440	1200	1200									1560	1200	1200	SUB TOTALS
CONN. PHASE TOTAL:	A 3000	B 2400	C 2400				CONN. PANEL TOTAL		7800	VA,			MAX CONN. LINE CURRENT	25	AMPS	
(KVA) PANEL TOTAL	7.80	+ L.C.L. (.25)	0.00				7.80	KVA,	BALANCED CURRENT	22	AMPS,		DESIGN LOAD	20.1	KVA	

VOLTAGE 120/208V. 3PH, 4W.		PANEL "1LB"										LOCATION ELECTRICAL ROOM #118							
BUS AMPS 225A												TOP FEED <input checked="" type="checkbox"/> SURFACE MTG. <input checked="" type="checkbox"/>							
MAIN BREAKER <input checked="" type="checkbox"/> 225 A.F. 225 A.T.												BOTTOM FEED <input type="checkbox"/> FLUSH MTG. <input type="checkbox"/>							
LUGS ONLY <input type="checkbox"/>												REMARKS							
DESCRIPTION	VOLT-AMPS			L C L	OUTLETS			C B	C K T	BUS A B C	C B	OUTLETS			L C L	VOLT-AMPS			DESCRIPTION
	A	B	C		L	R	M					L	R	M		A	B	C	
LOBBY 135	720					1	4	20A-1P	3			2	20A-1P	1		180			JANITOR CLOSET #121-1
DRINKING FOUNTAIN		800							4					2		360			ELECTRICAL ROOM OUTLET
SITE OUTLETS			540						5					2			360		SITE OUTLETS
SITE OUTLETS	360						2		7					3		540			SITE OUTLETS
FOUNTAIN LTG		300				4			9							1176			FOUNTAIN PUMP
VAV'S			250					5									350		VAV'S
SPARE								1											SPARE
									15										
									17										
									19										
									21										
									23										
									25										
									27										
									29										
									31										
									33										
									35										
									37				15A-3P						
									39				-						EMBEDDED METERING
									41				-						---
									43				-						---
SUB TOTALS	1080	1100	790									720	1536	710					SUB TOTALS
CONN. PHASE TOTAL:		A 1800	B 2636	C 1500	CONN. PANEL TOTAL		5936		VA,		MAX. CONN. LINE CURRENT		22		AMPS				
(KVA) PANEL TOTAL		5.94		+ L.C.L. (25)		0.08		=		6.01		KVA,		BALANCED CURRENT		17		AMPS, DESIGN LOAD 64.8 KVA	
* NO LOAD-METER POTENTIAL ONLY																			

VOLTAGE 120/208V. 3PH, 4W.		PANEL "ELOS2CM"										LOCATION ELECTRICAL ROOM #219				
BUS AMPS 100												TOP FEED <input checked="" type="checkbox"/> SURFACE MTG. <input checked="" type="checkbox"/>				
MAIN BREAKER <input checked="" type="checkbox"/> 100 A.F. 50 A.T. 1												BOTTOM FEED <input type="checkbox"/> FLUSH MTG. <input type="checkbox"/>				
LUGS ONLY <input type="checkbox"/>												REMARKS				
DESCRIPTION	VOLT-AMPS			L C L	OUTLETS L R M	C B	C K T	BUS A B C	C K T	C B	OUTLETS L R M	L C L	VOLT-AMPS			DESCRIPTION
	A	B	C										A	B	C	
EPO/CONTACTOR	360								2	20A-1P	1		1200			TELEPHONE RACK
CATV AMP		500				1	3		4		1			1080		CATV PANEL
DOOR ACCESS			1200			1	5		6		1				1200	ACCESS CONTROLLER
PAGING AMP	1200					1	7		8		1		360			GENERAL OUTLETS
SPARE							9		10							SPARE
							11		12							
							13		14							
							15		16							
							17		18							
SPARE							19		20							SPARE
BUSSED SPACE							21		22							BUSSED SPACE
							23		24							
							25		26							
							27		28							
							29		30							
							31		32							
							33		34							
							35		36							
							37		38							
							39		40							
							41		42							
SUB TOTALS	1560	500	1200										1560	1080	1200	SUB TOTALS
CONN. PHASE TOTAL:	A 3120	B 1580	C 2400							7100	VA,				26	AMPS
(KVA) PANEL TOTAL	7.10	+ L.C.L. (25)	0.00				7.10	KVA,		BALANCED CURRENT	20	AMPS,			DESIGN LOAD 14.4	KVA



three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



- ### KEYNOTE LEGEND
- 1 LOCATE ON WALL ADJACENT TO MAIN DISCONNECT #1 AND LABEL "FIRE PUMP AND MAIN SERVICE DISCONNECT NUMBER 2 OF 2."
 - 2 ENCLOSED CIRCUIT BREAKER, REFER TO SINGLE LINE DIAGRAM FOR POWER CONNECTION, SHEET E-002.
 - 3 TOP OF CONCRETE A MINIMUM OF 24" BELOW FINISHED FLOOR.
 - 4 NOT USED.
 - 5 MOUNT VERTICALLY ON WALL.
 - 6 TRANSFORMER "TELLS" MOUNTED ABOVE PANEL "ELLS".
 - 7 CONNECTION TO CONTINUOUS GROUND BUS IN SWITCHBOARD.
 - 8 EXOTHERMIC WELD TO #4 RE-BAR IN FOOTING (UPPER GROUND).
 - 9 REFER TO 4/EP601 FOR GENERATOR INFORMATION.
 - 10 REFER TO 1/EP601 FOR GROUND BAR DETAIL.

- ### GENERAL NOTES:
- 1 MOUNT FLOOR STANDING ELECTRICAL EQUIPMENT ON HOUSEKEEPING PADS. EXTERIOR LOCATION: THE SLAB SHALL BE AT LEAST 8 INCHES THICK AND 8 INCHES PROJECTED BEYOND THE EQUIPMENT ON ALL SIDES. INTERIOR LOCATION: THE SLAB SHALL BE AT LEAST 4 INCHES THICK AND 8 INCHES PROJECTED BEYOND THE EQUIPMENT ON ALL SIDES. REFER TO SPECIFICATION 28.24.11-11 FOR DETAILS.
 - 2 CONTRACTOR TO PROVIDE FRAMING CHANNEL SUPPORT FOR ELECTRICAL EQUIPMENT (DISCONNECT SWITCH, VFD'S, ETC.)
 - 3 ALL VFD'S PROVIDE BY DIVISION 22 AND 23.

7/20/2012 4:20:43 PM		
2 DELTA NO. 2	07/24/12	
FOR CONSTRUCTION	05/04/12	
Revisions:	Date	

CONSULTANTS:

S&K ENGINEERS

421 EAST HUNTINGTON DRIVE
MONROVIA, CALIFORNIA 91016
P: 626-930-1383 F: 626-930-1385

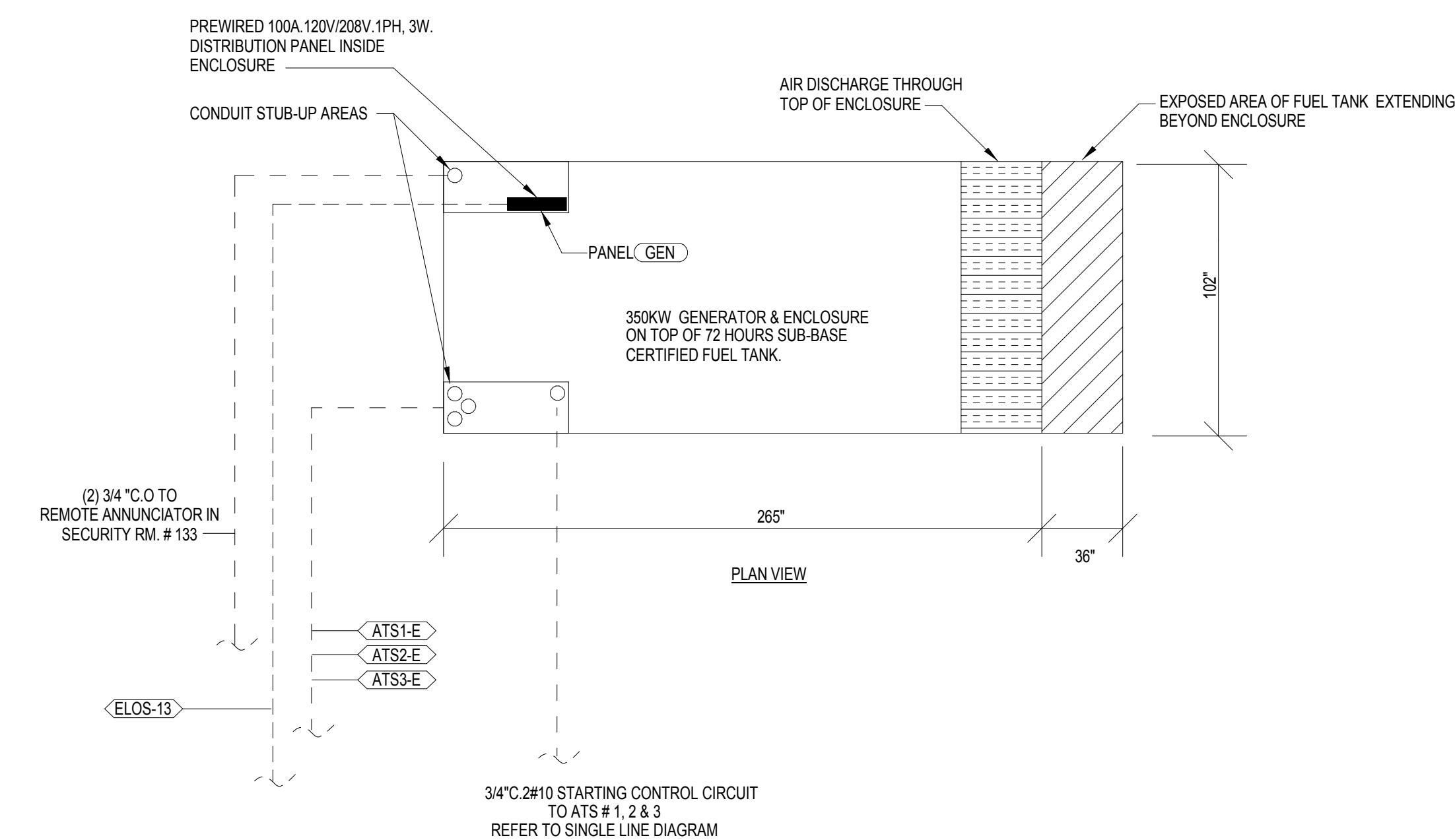
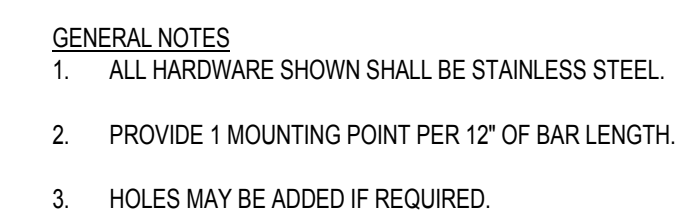
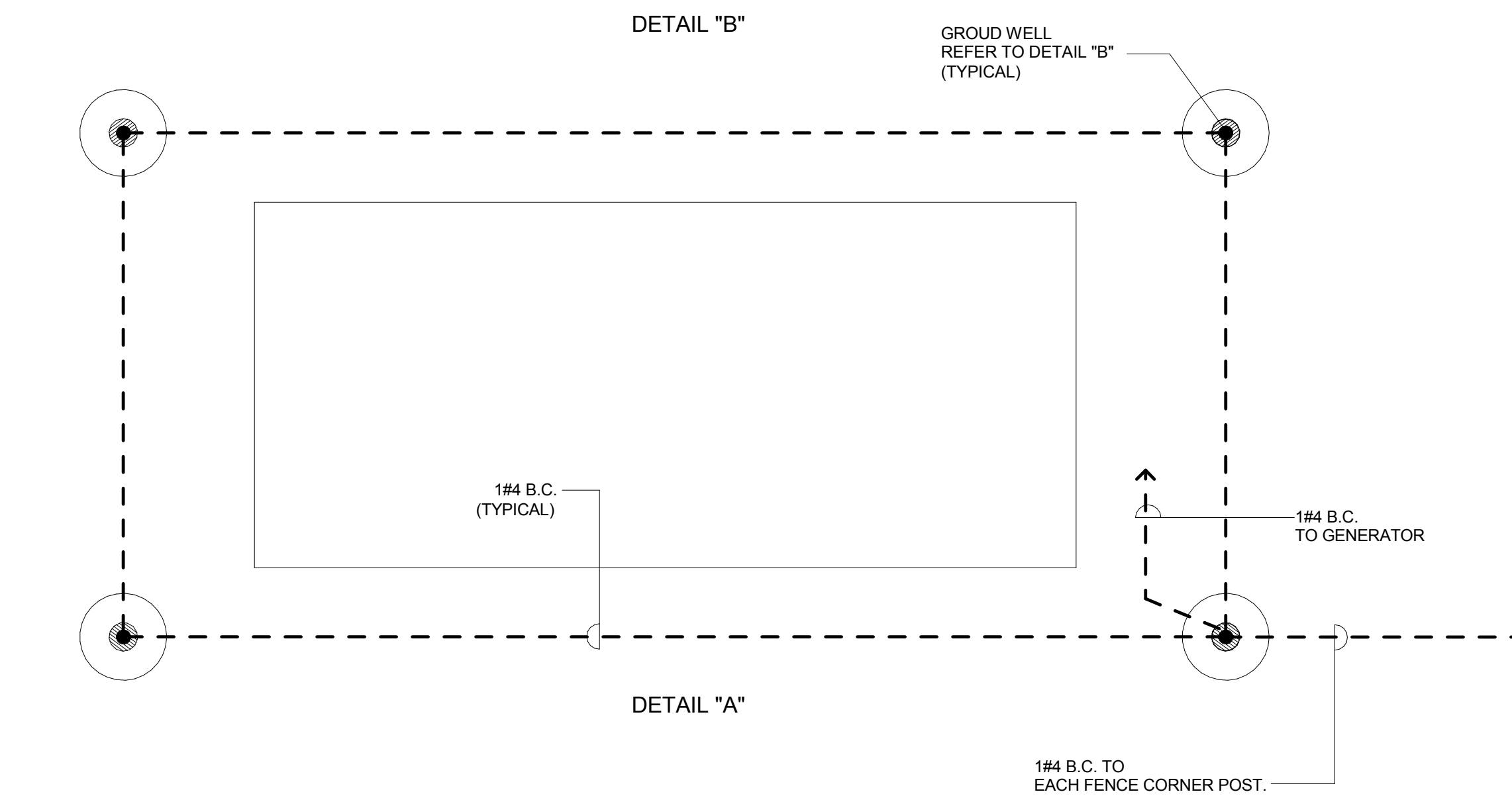
JOB No. 09026.01

ARCHITECT/ENGINEERS:

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Drawing Title ELECTRICAL ROOM & MECHANICAL YARD	Project Title VA GLA HEALTHCARE SYSTEM WEST LA MEDICAL CENTER SEISMIC CORRECTIONS	Project Number 691-406	Office of Construction and Facilities Management
Approved: Project Director	Location LOS ANGELES, CA 90073	Building Number 209	
Date 05/04/2012	Checked BK	Drawn OC	
Dwg. of EP501		Department of Veterans Affairs	



2 DELTA NO. 2	07/24/12
FOR CONSTRUCTION	05/04/12
Revisions:	Date

CONSULTANTS:



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ARCHITECT/ENGINEERS:

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Drawing Title
ELECTRICAL DETAILS

Approved: Project Director

Project Title
**VA GLA HEALTHCARE SYSTEM
WEST LA MEDICAL CENTER
SEISMIC CORRECTIONS**

Location	LOS ANGELES CA 90072
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Date 05/01/2013

Checked	BK
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Drawn	26
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Project Number
691-406

Building Number
209

	Drawing Number

EP601