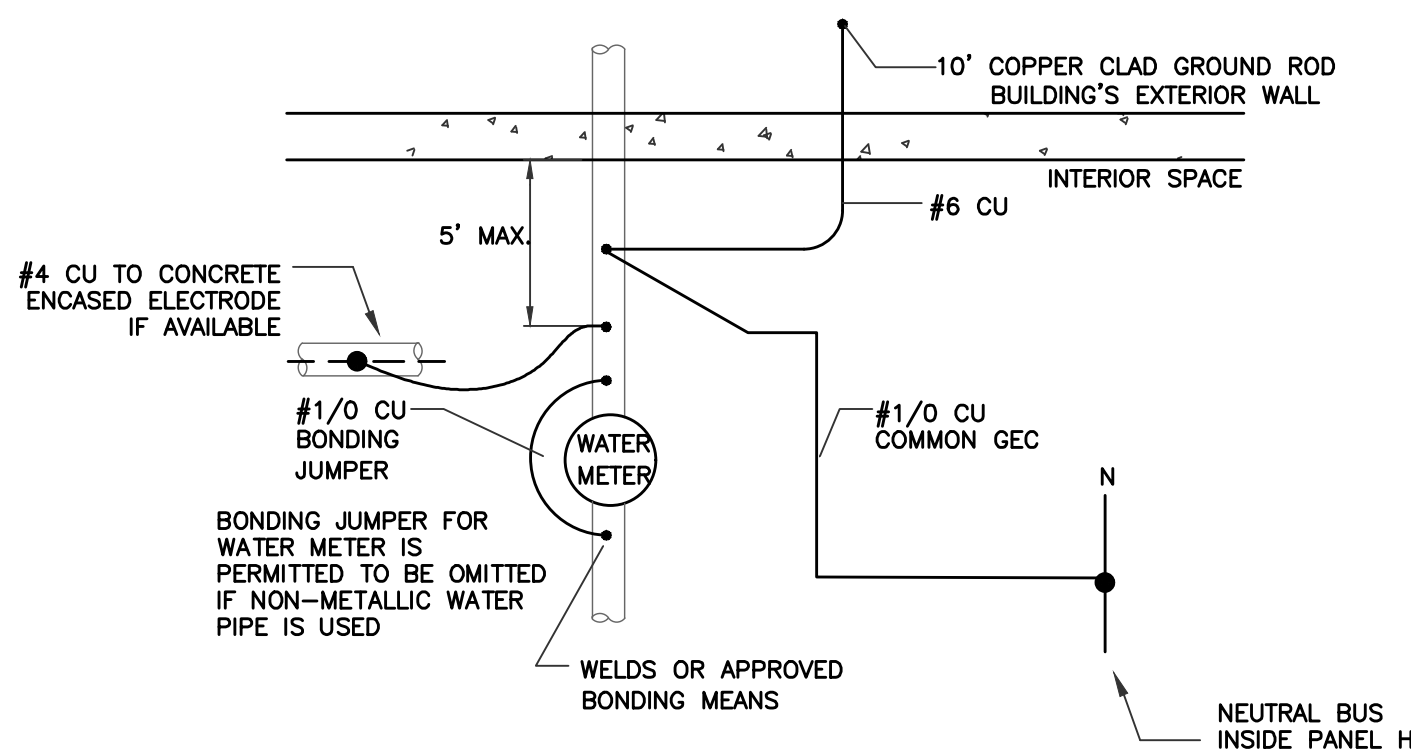
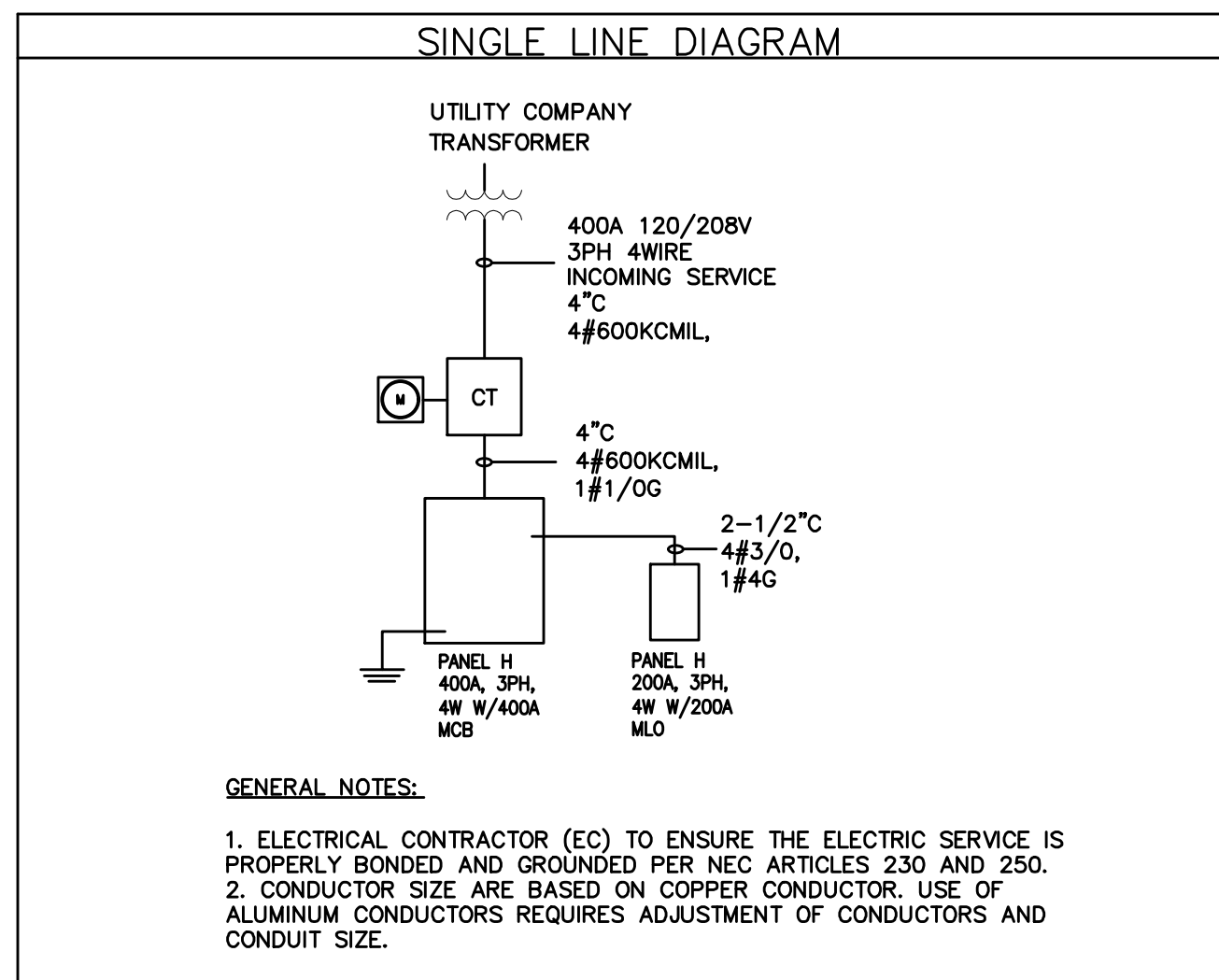













ELECTRICAL LOAD CALCULATIONS



1
E100

GROUNDING DETAIL
NOT TO SCALE

LIGHTING FIXTURE SCHEDULE						
SYMBOL/TAG	DESCRIPTION	MANUF.	CATALOG NUMBER	LAMP	WATTAGE	VOLTS
	6" RECESSED DOWNLIGHT	EATON	HALO RL56	LED	13.2W	120V
	SURFACE MOUNT LIGHT	WAC	FM-05	LED	12W	120V
	EXTERIOR WALL SCONCE W/PHOTOCELL SENSOR	MAXXIMA	MEL-14125W	LED	12W	120V
	PENDANT LIGHT	WAC	DS-PD05	LED	27W	120V
	EXTERIOR WALL SCONCE	HOMEDEPOT	# 29800	LED	12W	120V
	BATHROOM VANITY LIGHT	LITHONIA	FMVCL	LED	18W	120V
	4' LINEAR LIGHT	COLUMBIA	LCL4	LED	48W	120V
	EMERGENCY BATTERY WALL-PACK LIGHT	LITHONIA	ELM4L	LED	5W	120V
	EMERGENCY EXIT SIGN WITH BATTERY BACKUP	LITHONIA	EXR LED L6 M6	LED	3.8W	120V
	EMERGENCY EXIT SIGN WITH EMERGENCY DUAL HEADS AND BATTERY BACKUP	LITHONIA	ECRG	LED	3.8W	120V
	REMOTE EMERGENCY FIXTURE DUAL HEAD	LITHONIA	ELA REMOTE LAMP HEADS	LED	5W	120V

NOTE: LIGHTING FIXTURE IS FOR REFERENCE ONLY AND SUBJECT TO CHANGE BY ARCHITECT/OWNER/INTERIOR DESIGNER/LIGHTING CONSULTANT.

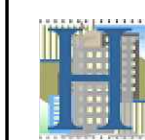
L & I STAMP AREA

PANEL SCHEDULES

Electrical Load Calc (Watts)				Auxiliary Gutter <input type="checkbox"/> <input checked="" type="checkbox"/> Neutral Bus Double Lugged <input type="checkbox"/> <input checked="" type="checkbox"/> Ground Bus <input type="checkbox"/> <input type="checkbox"/> Isolated Ground Bus				Panel: H Voltage Phase Wire Bus 208 3 4 Amp MCB/MLO Mounting 400 A MCB Surface ISC Rating: 65,000						
H Panel schedule														
Light	Recept.	Equip.	Mech.	Description	Bkr	No.	No.	Bkr	Description	Light	Recept.	Equip.	Mech.	
			1,768	A/C OUTDOOR UNIT		252	1	2	20'1	AC INDOOR UNIT (GAS)				936
			1,768				3	4	20'1	AC INDOOR UNIT (GAS)				1,728
			2,465	A/C OUTDOOR UNIT		402	5	6	20'1	AC INDOOR UNIT (GAS)				1,728
			2,465				7	8	20'1	AC INDOOR UNIT (GAS)				1,728
			2,465	A/C OUTDOOR UNIT		402	9	10	20'1	AC INDOOR UNIT (GAS)				1,728
			2,465				11	12	20'1	AC INDOOR UNIT (GAS)				1,728
			2,465	A/C OUTDOOR UNIT		402	13	14	20'1	AC INDOOR UNIT (GAS)				1,728
			2,465				15	16	20'1	AC INDOOR UNIT (GAS)				1,728
			3,078	A/C OUTDOOR UNIT		502	17	18	20'1	AC INDOOR UNIT (GAS)				1,728
			3,078				19	20	20'1	SPARE				
			3,078	A/C OUTDOOR UNIT		502	21	22	20'1	SPARE				
			3,078				23	24	20'1	FIRE ALARM CIRCUIT(NOTE 1)			300	
			3,078	A/C OUTDOOR UNIT		502	25	26	20'1	FIRE ALARM CIRCUIT(NOTE 1)			500	
			3,078				27	28	20'1	PUMP			900	
			3,078	A/C OUTDOOR UNIT		502	29	30	20'1	WATER HEATER (GAS)			300	
			3,380	MINI SPUT SYSTEM		402	33	34						
			3,380				35	36						
			3,078	A/C OUTDOOR UNIT		502	37	38						
			3,078				39	40						
			864	ERV		20'1	41	42						
			864	ERV		20'1	43	44						
			864	ERV		20'1	45	46						
			864	ERV		20'1	47	48						
			1,132	ERV		20'1	49	50						
			1,560	ERV		20'1	51	52						
				SPARE		20'1	53	54						
							55	56						
1,733	9,393	0	67			2003	57	58						
1,733	9,393	0	67	SUBPANEL "LP"			59							
1,733	9,393	0	67											
5,200 28,180 0 62,237 Sub-Total										Sub-Total 0 0 2,000 14,760				
Notes:										Sub-total (from left side) 5,200 28,180 0 62,237				
1. Install an approved breaker locking device and mark the circuit breaker in red.										Totals Connected: 5,200 28,180 2,000 76,997				
2. EC to verify electrical ratings for all equipment.										Totals Demand: 5,200 19,090 2,000 78,687				
Total Load: 104,977 VA										291 Amp				

Electrical Load Calc (Watts)				Auxiliary Gutter <input type="checkbox"/> <input checked="" type="checkbox"/> Neutral Bus		Panel: LP							
						Voltage/Phase Wre Bus 3 4 208							
LP Panel schedule				Double Lugged <input type="checkbox"/> <input checked="" type="checkbox"/> Ground Bus		Amp MCB/MLO Mounting 200 A MLO Surface							
						ISC Rating: 22,000							
				<input type="checkbox"/> <input type="checkbox"/> Isolated Ground Bus									
Light	Recpt.	Equip.	Mech.	Description	Bkr	No.	No.	Bkr	Description	Light	Recpt.	Equip.	Mech.
100	360			ELEC RM B03		201	1	2	201	CLASS RM 101	200	1,440	
				STORAGE B02 LGT		201	3	4	201	CLASS RM 102	200	1,440	
800				STORAGE B02 REC		201	5	6	201	CLASS RM 103	200	1,440	
	1,440			MECH RM (B01 B04 B05)		201	7	8	201	CLASS RM 104	200	1,440	
400	1,080			CLASS RM 201		201	9	10	201	LOBBY 1ST FL		540	
200	1,440			CLASS RM 202		201	11	12	201	HALL WAY 1ST FL	200	720	100
200	1,440			CLASS RM 203		201	13	14	201	BATHRM GFCI		360	
200	1,440			CLASS RM 204		201	15	16	201	BATHRM GFCI		360	
200	1,440			INTERVENTION RM 205		201	17	18	201	OFFICE 112	200	1,440	
200	1,440			INTERVENTION RM 207		201	19	20	201	CLASS RM 117	200	1,440	
200	720		100	HALLWAY 2ND FL		201	21	22	201	ATTIC	300	360	
	360			BATHRM GFCI		201	23	24	201	STAIRCASE	400		
	360			BATHRM GFCI		201	25	26	201	DRINKING FOUNTAIN		500	
200	1,440			OFFICE 211		201	27	28	201	DRINKING FOUNTAIN		500	
200	1,440			CLASS RM 214		201	29	30	201	OUTDOOR GFCI		360	
				SPARE		201	31	32	201	SPARE			
				SPARE		201	33	34	201	SPARE			
				SPARE		201	35	36	201	SPARE			
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							55						

CONSULTANT:



INFO@HUTECENGINEERING.COM
T 267 800 3540

304 MASTER ST, 1ST FLOOR

304 MASTER ST, 1ST FLOOR
 NEWARK, NJ 07102-4205

REVISIONS

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SEAL:

PROJECT:

**EARLY CHILDHOOD
CENTER**
171 Penn Blvd,
Lansdowne PA

DRAWING TITLE

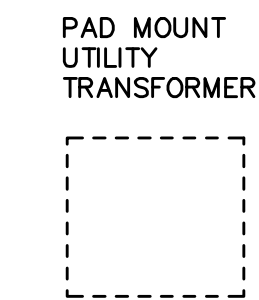
CALCULATIONS, SCHEDULES & DIAGRAMS

DRAFTING NO.

E100



E300



INFO@HUTECENGINEERING.COM
267 800 3540
104 MASTER ST, 1ST FLOOR
PHILADELPHIA, PA 19122

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ELECTRICAL
PLANS

E301

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E302



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ELECTRICAL
PLANS

DRAWING NO:

E303