

ARCHITECTURAL GROUP III

201 S. Main Street, Elkhart, Indiana 46514-1953 574/293-0008

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Fairfield
BY MARRIOTT

JOB TITLE

FAIRFIELD BY MARRIOTT
MARRIOTT #70960
PENDLETON, IN
A NEW 97 ROOM HOTEL

JOB NO.
24126

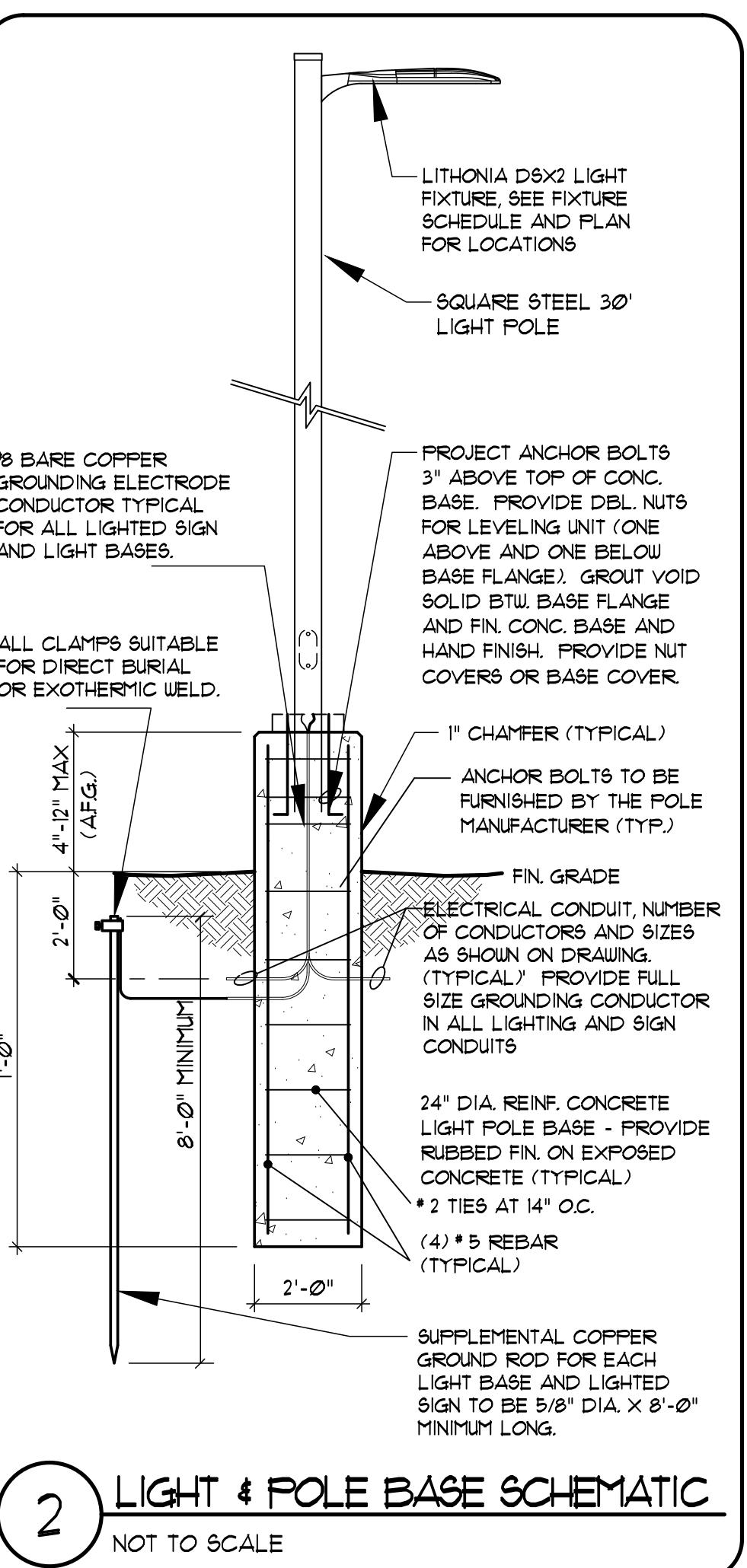
DATE
05/30/25

REVISIONS

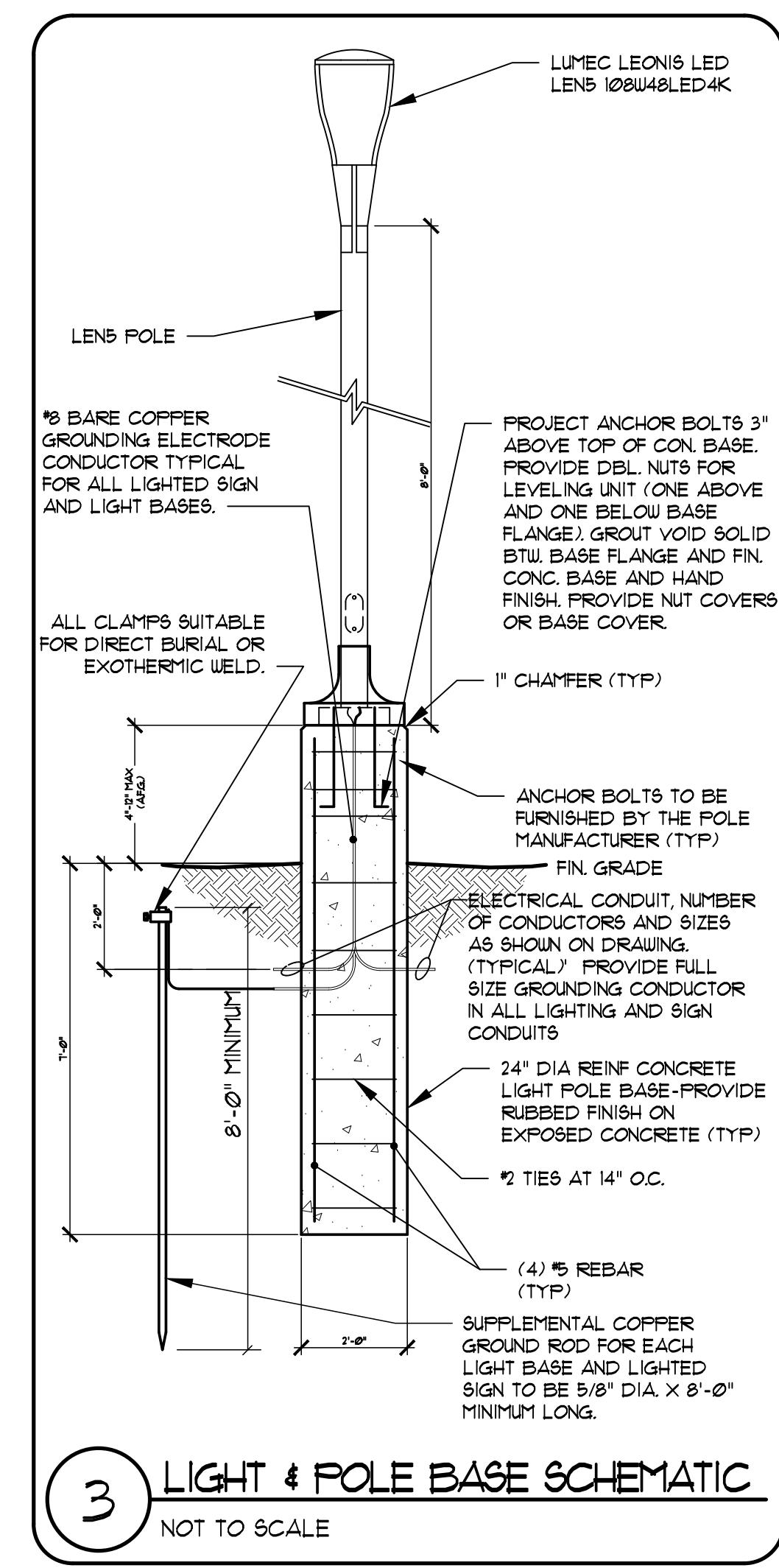
*Preliminary Not
for Construction*

SHEET NO.

E1.0b
SITE PLAN DETAILS



2 LIGHT & POLE BASE SCHEMATIC
NOT TO SCALE



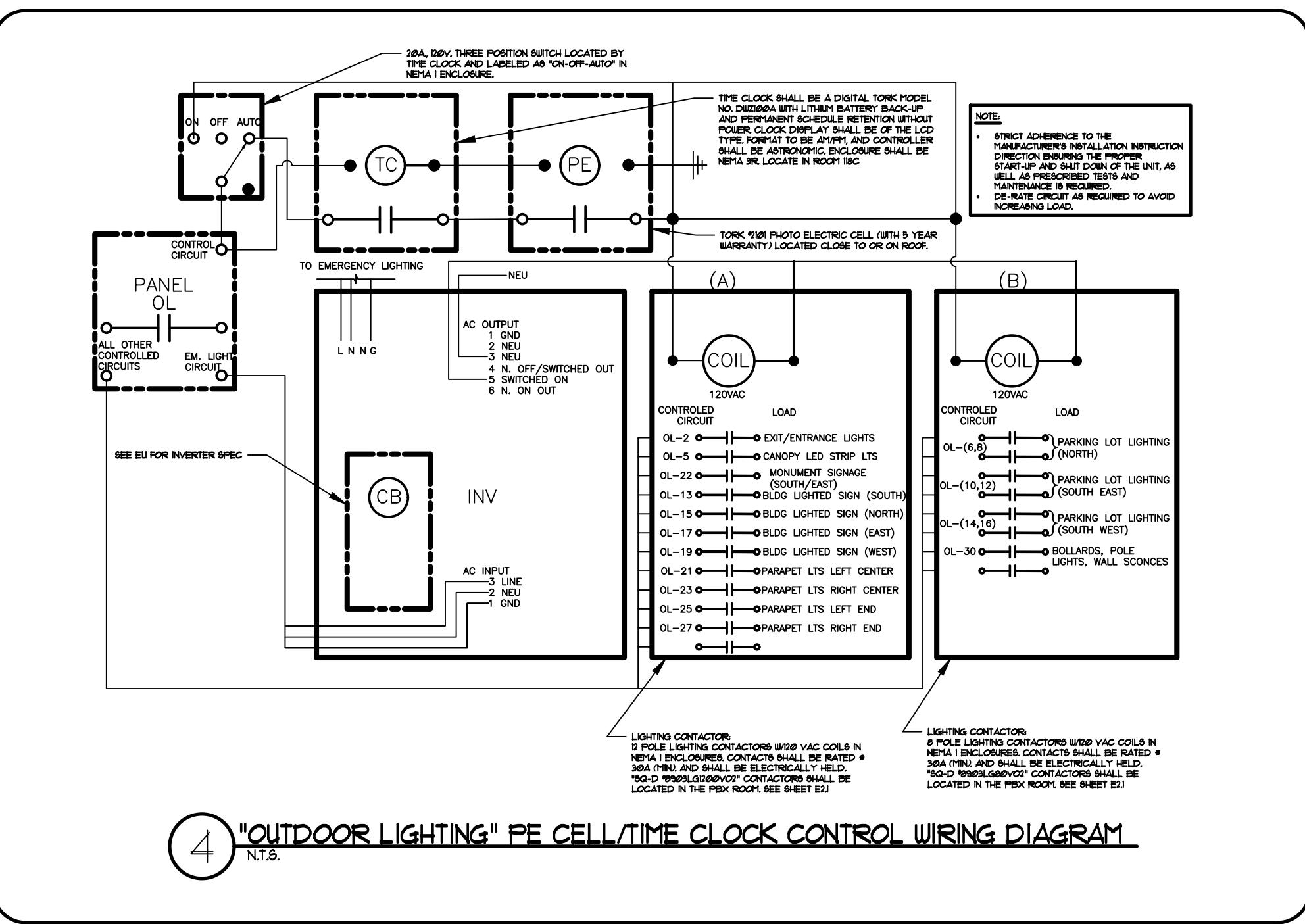
3 LIGHT & POLE BASE SCHEMATIC
NOT TO SCALE

MANUFACTURER	CATALOG NO.	DESCRIPTION
LITHONIA	666 305 5G DM18AS	5' X 30' SQUARE POLE IS 5' X 30' DARK BRONZE, I DDBX

SEE E1 FOR INVERTER SPEC

5' X 30' SQUARE POLE IS 5' X 30' DARK BRONZE, I DDBX

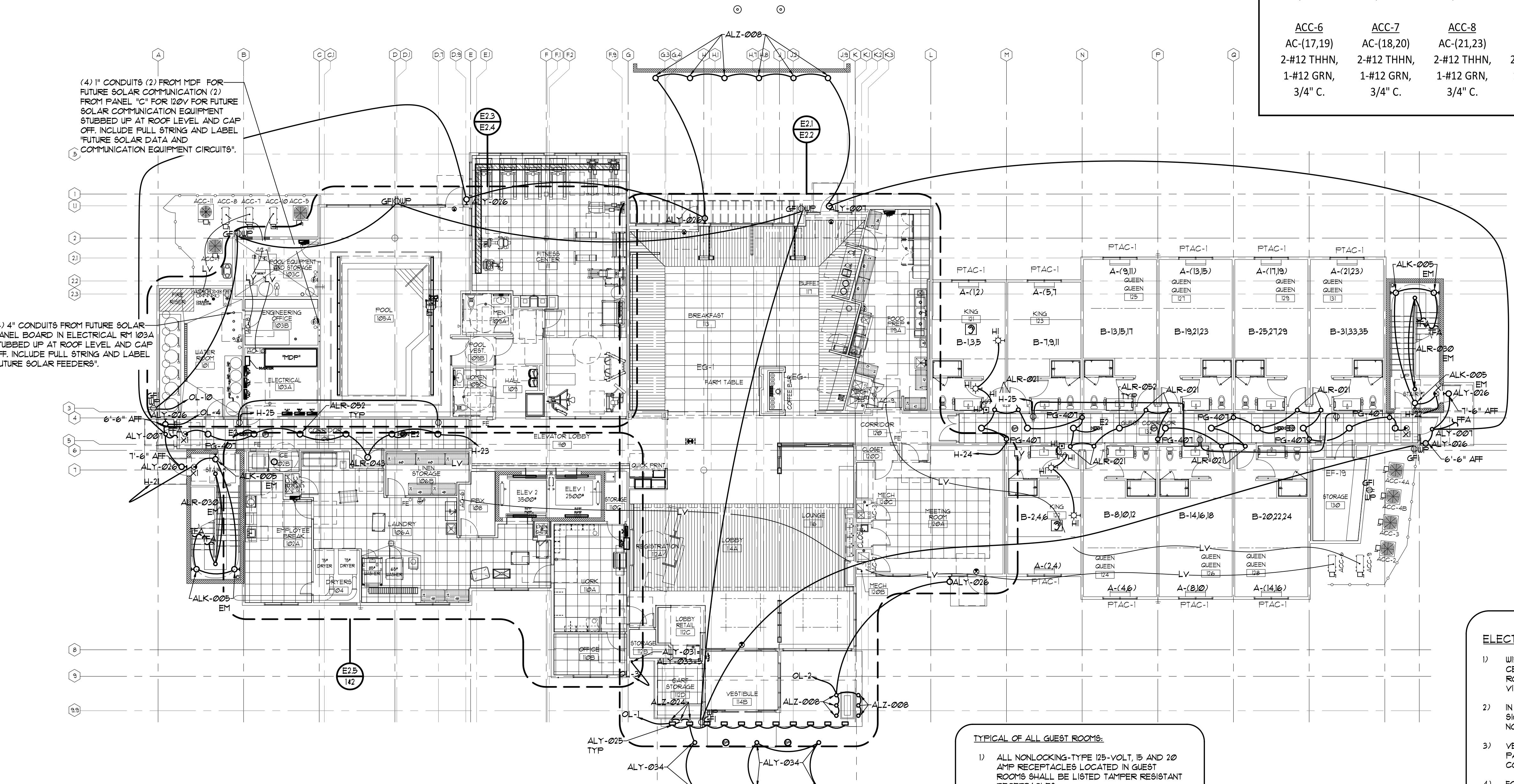
AT 30 DEG



4 "OUTDOOR LIGHTING" PE CELL/TIME CLOCK CONTROL WIRING DIAGRAM
N.T.S.

CONDENSER CIRCUIT SCHEDULE

ACC-1	ACC-2	ACC-3	ACC-4A	ACC-4B	ACC-5
AC-(1,3,5)	AC-(2,4,6)	AC-(7,9)	AC-(11,13,15)	AC-(12,14,16)	AC-(26,28,30)
3#10 THHN, 1#10 GRN, 3/4" C.	3#10 THHN, 1#10 GRN, 3/4" C.	2#10 THHN, 1#10 GRN, 3/4" C.	3#10 THHN, 1#10 GRN, 3/4" C.	3#10 THHN, 1#10 GRN, 3/4" C.	3#10 THHN, 1#10 GRN, 3/4" C.
ACC-6	ACC-7	ACC-8	ACC-9	ACC-10	ACC-11
AC-(17,19)	AC-(18,20)	AC-(21,23)	AC-(22,24)	AC-(25,27)	P-(1,3,5)
2#12 THHN, 1#12 GRN, 3/4" C.	2#12 THHN, 1#12 GRN, 3/4" C.	2#12 THHN, 1#12 GRN, 3/4" C.	2#12 THHN, 1#10 GRN, 3/4" C.	2#3 THHN, 1#3 GRN, 1-1/4" C.	



1 FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"

TYPICAL OF ALL GUEST ROOMS:

- 1) ALL NONLOCKING-TYPE 125-VOLT, 15 AND 20 AMP RECEPTACLES LOCATED IN GUEST ROOMS SHALL BE LISTED TAMPER RESISTANT RECEPTACLES.
- 2) A SINGLE RECEPTACLE OR DUPLEX RECEPTACLE FOR TWO APPLIANCES LOCATED WITHIN A DEDICATED SPACE FOR EACH APPLIANCE DOES NOT HAVE TO BE TAMPER RESISTANT.

TELECOMMUNICATIONS SYSTEM NOTES:

- 1) PROVIDE AND INSTALL (2) 1" CONDUITS FROM CEILING OF THE COMPUTER ROOM TO 18" ABOVE THE ROOF SURFACE WITH A SEPARATE WEATHERHEAD FOR EACH OF THE TWO SATELLITE DISHES. PROVIDE AND INSTALL COAXIAL CABLES AS REQUIRED FOR THE TV SYSTEM AND THE REGISTRATION SYSTEM SATELLITES.
- 2) PROVIDE AND INSTALL (2) 1" CONDUITS FROM THE COMPUTER ROOM TO SATELLITE SERVICE POINT ON PROPERTY LINE WITH FULL STRINGS. CAP BOTH ENDS.
- 3) RUN (3) 1" CONDUITS IN OR UNDER THE FLOOR FROM THE COMPUTER ROOM STUB-UP TO UNDER THE REGISTRATION DESK STUB-UP. ONE CONDUIT IS FOR THE TV SYSTEM AND ONE CONDUIT IS FOR THE REGISTRATION SYSTEM. EACH OF THE TWO CONDUITS ARE TO BE FURNISHED WITH COAXIAL CABLES AS REQUIRED BY THE SYSTEM MANUFACTURERS. THE THIRD UNDERFLOOR CONDUIT IS TO BE FURNISHED WITH A FULL STRING FOR FUTURE USE. CAP BOTH ENDS.
- 4) EXCEPT FOR THE WEATHERHEADS ABOVE THE ROOF, PROVIDE ALL OPEN ENDS OF THE 1" CONDUITS MENTIONED ABOVE WITH INSULATED BUSHINGS.
- 5) PROVIDE AND INSTALL (2) 4" CONDUITS TO BE STUBBED OUT 24" FAST BLDG. LINE AS DIRECTED BY LOCAL TELEPHONE UTILITY. STUB UP BOTH ENDS BELOW TELEPHONE EQUIPMENT IN PBX ROOM.
- 6) TELEPHONE SYSTEM BACKBOARD, 4' x 8" x 3/4" PLYWOOD.
- 7) VERIFY LOCATION OF "FACP" & "FAAP" WITH LOCAL AUTHORITIES PRIOR TO INSTALLING WIRE & CONDUIT.
- 8) PHONE LINE TO INTERFACE WITH FACP/MONITOR SYSTEM.

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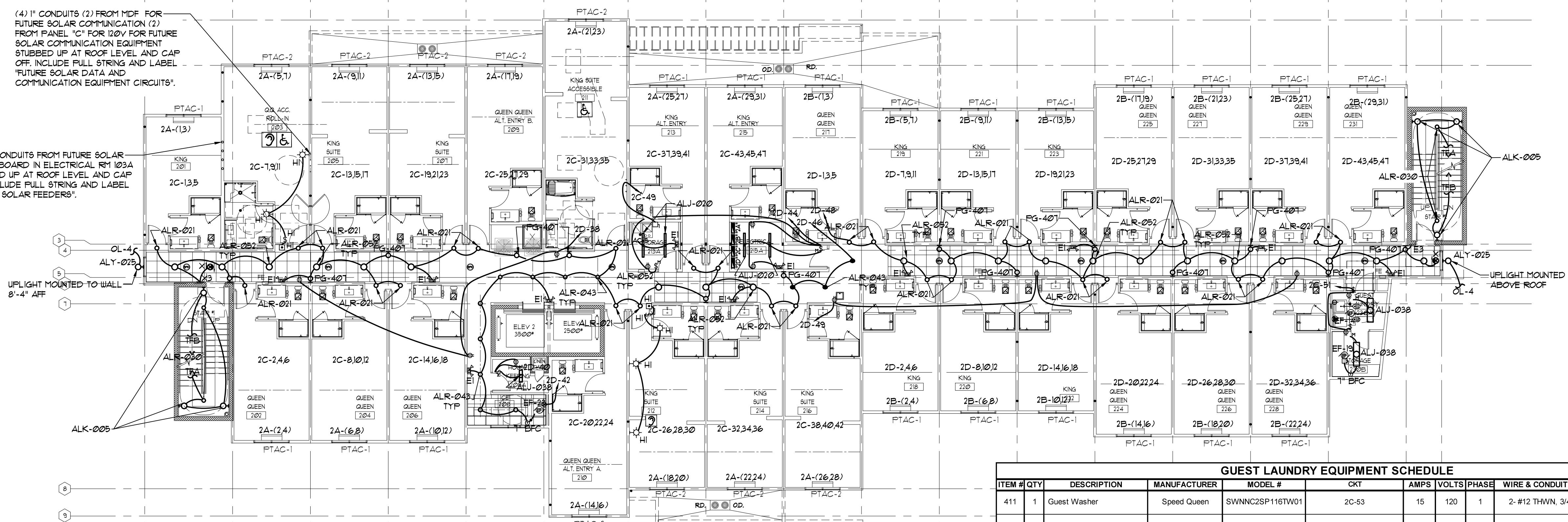
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PRELIMINARY NOT FOR CONSTRUCTION

SHEET NO.

E 1.2
2ND & 3RD
FLOOR PLAN



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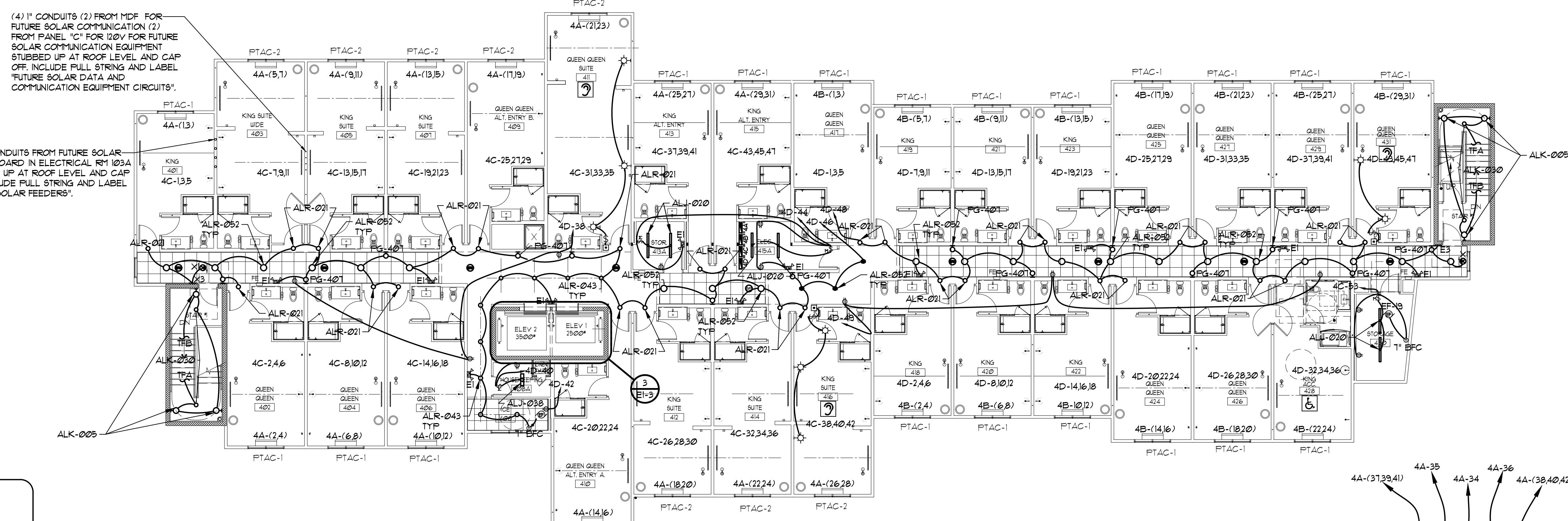
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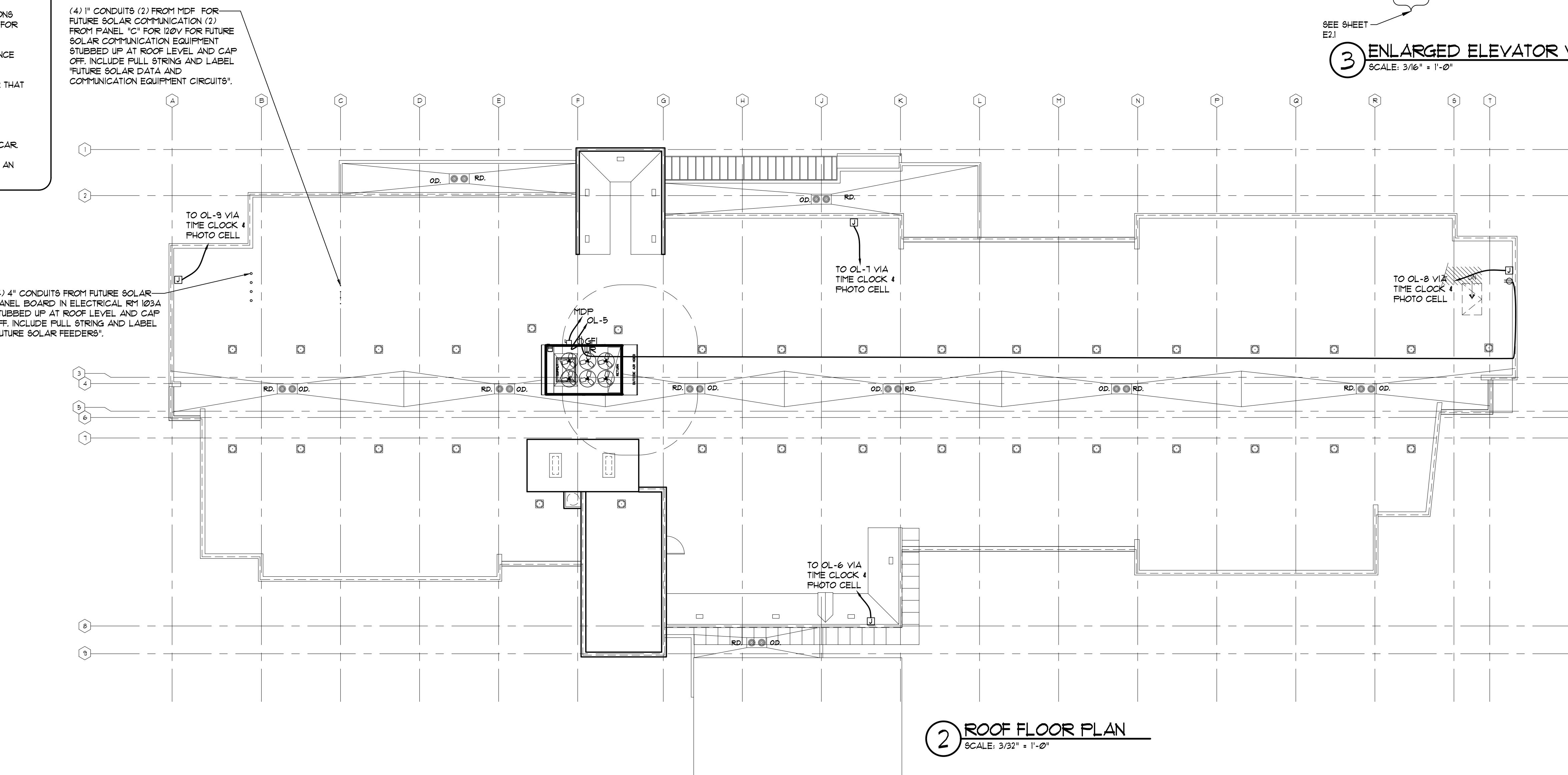
PRELIMINARY NOT FOR CONSTRUCTION

SHEET NO.
E 1.3
4th & ROOF
ELECTRICAL
FLOOR PLAN



1 4TH FLOOR PLAN
SCALE: 3/32" = 1'-0"

SEE SHEET E21
3 ENLARGED ELEVATOR VIEW
SCALE: 3/16" = 1'-0"



2 ROOF FLOOR PLAN
SCALE: 3/32" = 1'-0"

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1

1

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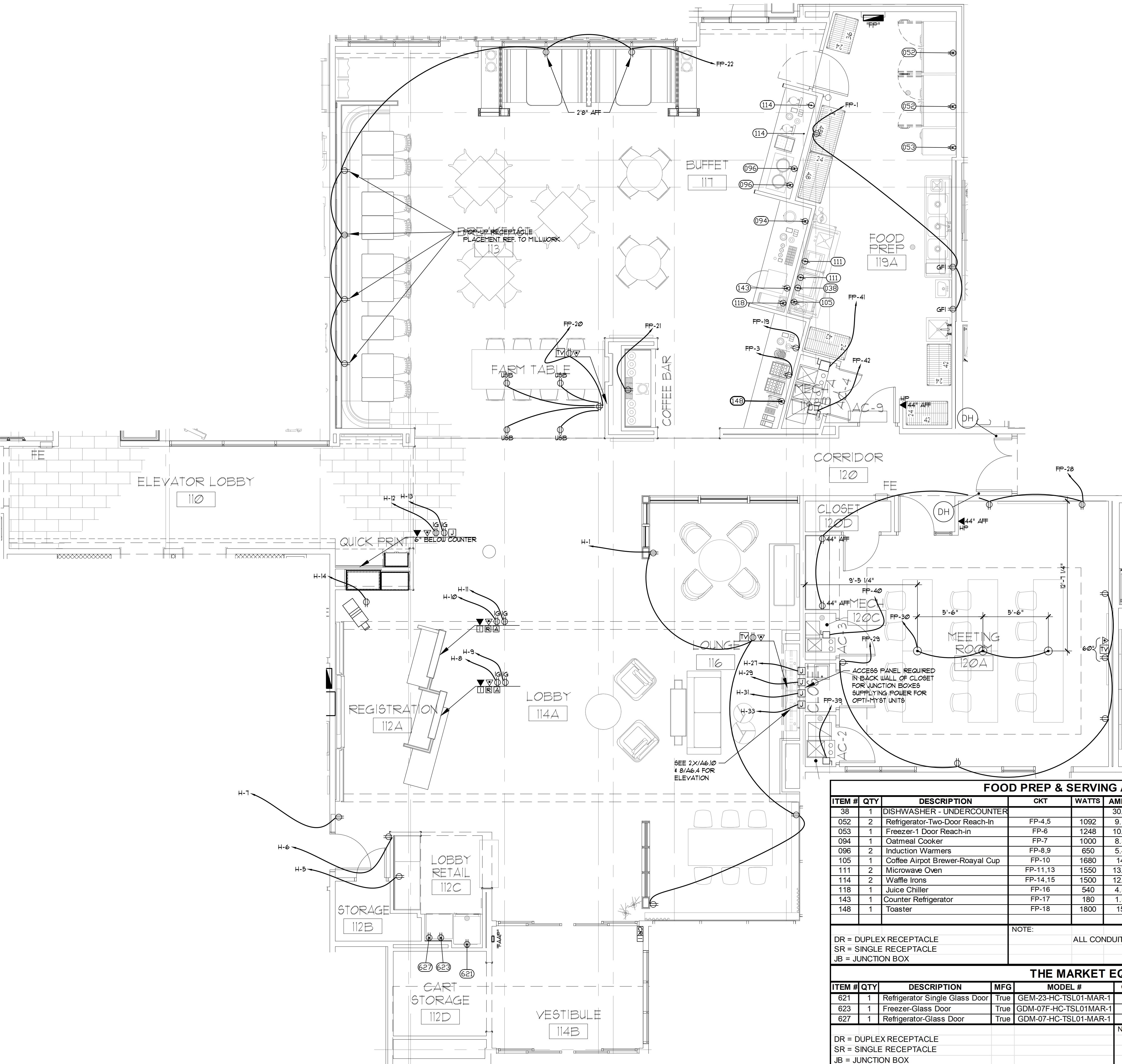
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REVISIONS

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SHEET NO.

E2.1 CORE NLARGEMENT POWER PLAN



1 ENLARGED CORE POWER PLAN

1 ENLARGED
SCALE 1/4"

DR = DUPLEX RECEPTACLE
SR = SINGLE RECEPTACLE
JB = JUNCTION BOX

THE MARKET EQUIPMENT SCHEDULE

THE MARKET EQUIPMENT SCHEDULE											
ITEM #	QTY	DESCRIPTION	MFG	MODEL #	CKT	WATTS	AMPS	VOLTS	PHASE	WIRE & CONDUIT SIZE	COMMENTS
621	1	Refrigerator Single Glass Door	True	GEM-23-HC-TSL01-MAR-1	H-2	648	5.4	120	1	2- #12 THWN, 3/4"C.	DR +48", NEMA 5-15R
623	1	Freezer-Glass Door	True	GDM-07F-HC-TSL01MAR-1	H-3	1140	9.5	120	1	2- #12 THWN, 3/4"C.	DR +48", NEMA 5-15R
627	1	Refrigerator-Glass Door	True	GDM-07-HC-TSL01-MAR-1	H-4	228	1.9	120	1	2- #12 THWN, 3/4"C.	DR +38", NEMA 5-15R

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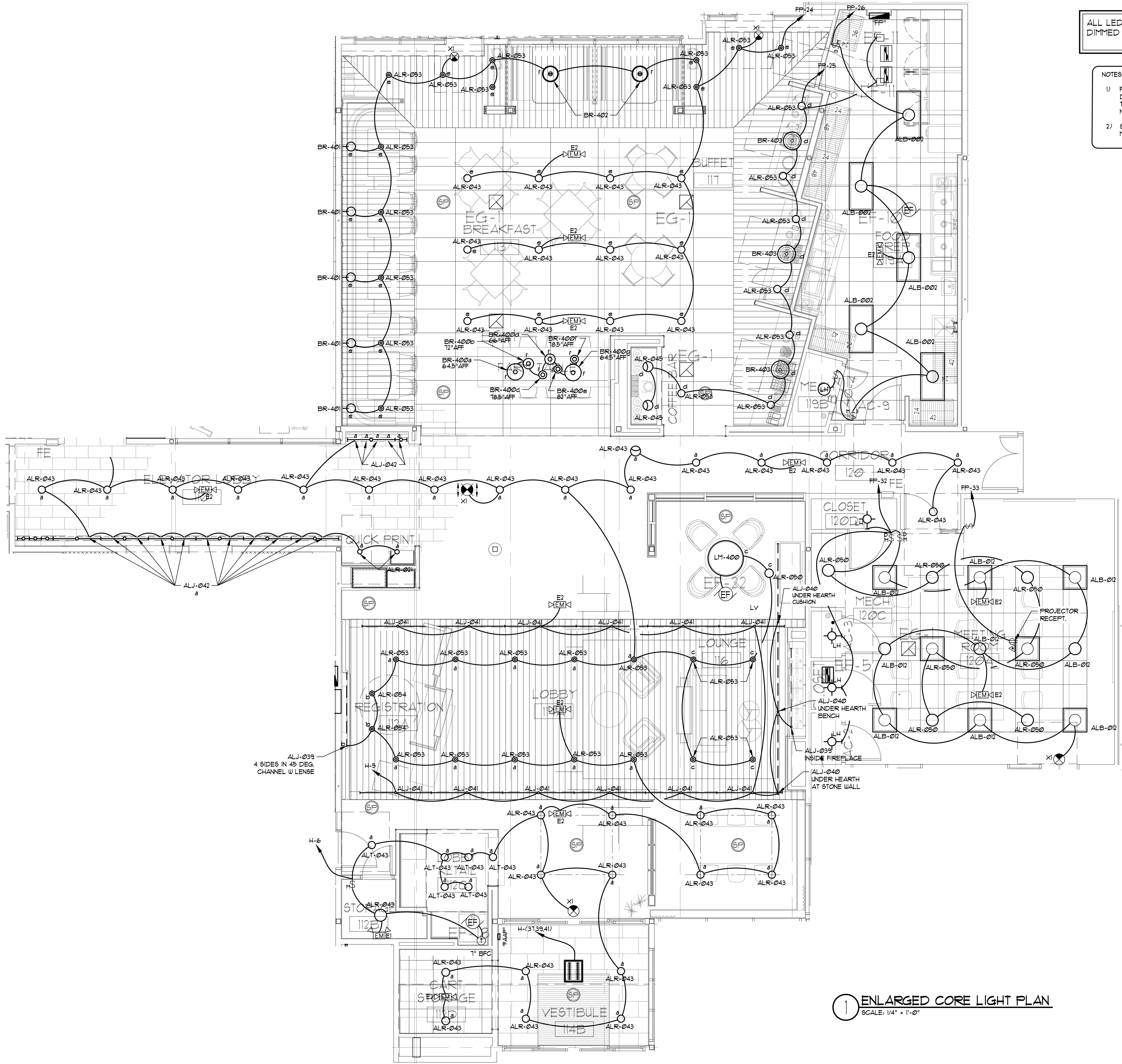
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SHEET NO.

E2.2
CORE
ENLARGEMENT
LIGHT PLAN



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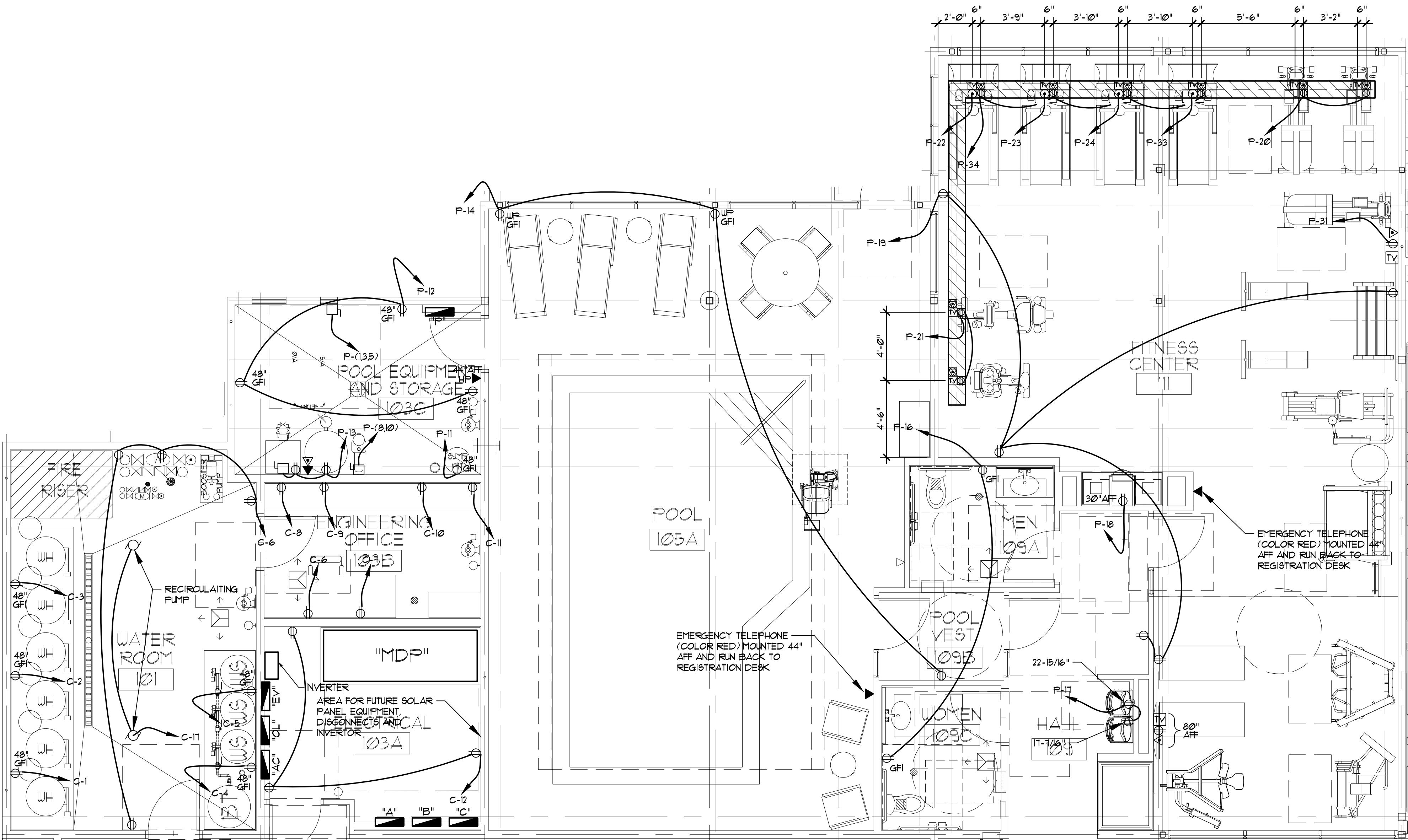
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SHEET NO.

E2.3
POOL/FITNESS
ENLARGEMENT
POWER PLAN



1 ENLARGED POOL/FITNESS POWER PLAN
SCALE: 1/4" = 1'-0"

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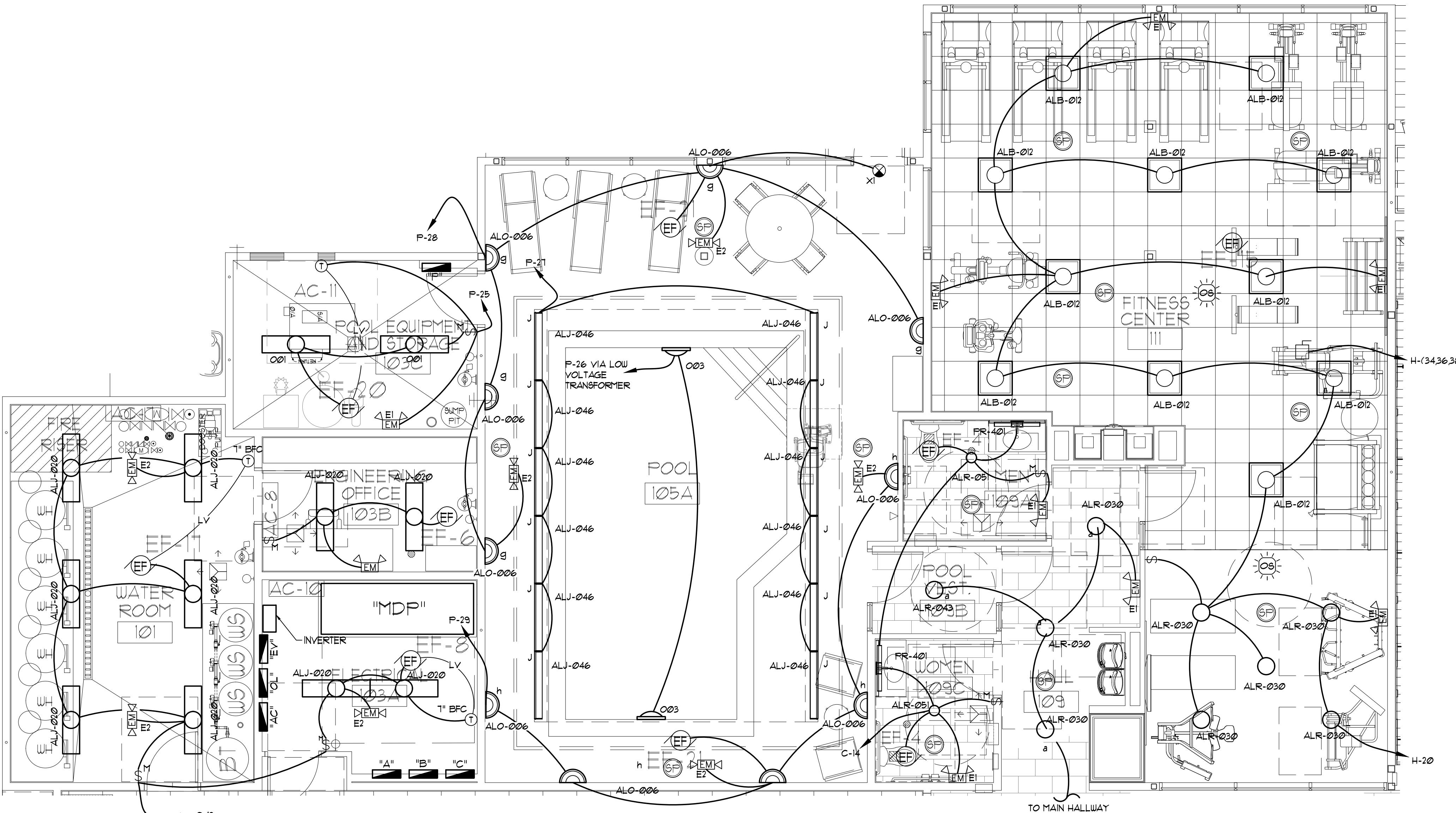
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SHEET NO.

E2.4

POOL/FITNESS
ENLARGEMENT
LIGHT PLAN

① ENLARGED POOL/FITNESS LIGHT PLAN
SCALE: 1/4" = 1'-0"



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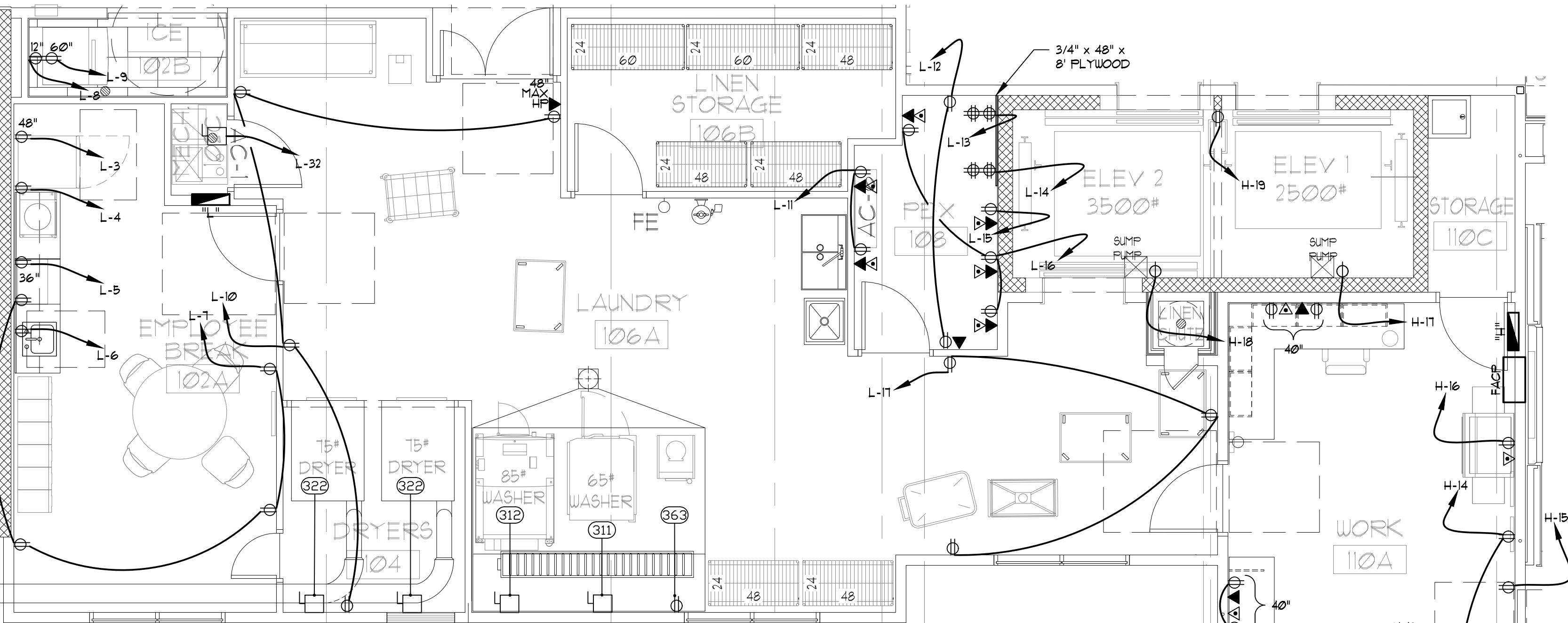
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05/30/25

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SHEET NO.

E2.5
LAUNDRY ELMT.
POWER/LIGHT
PLAN



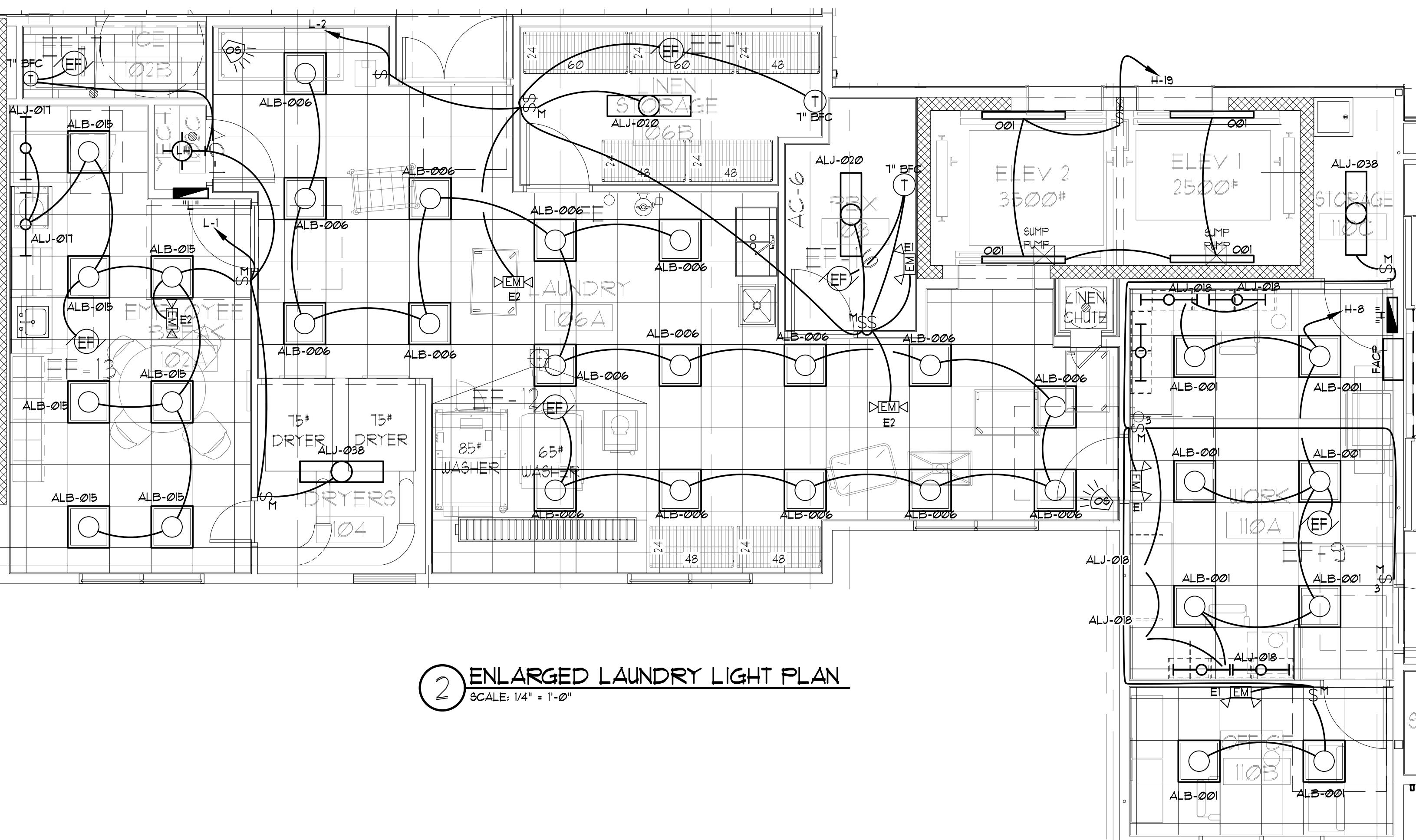
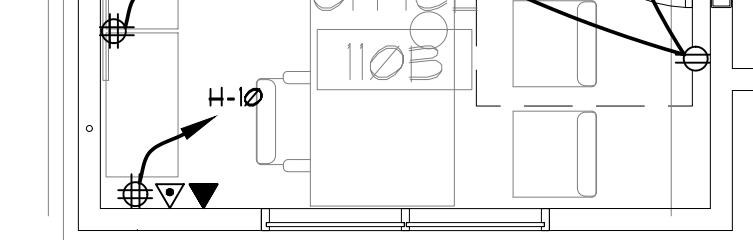
23116 LAUNDRY EQUIPMENT SCHEDULE

ITEM #	QTY	DESCRIPTION	MFG	MODEL #	CKT	AMPS	VOLTS	PHASE	WIRE & CONDUIT SIZE	COMMENTS
311	1	Washer/Extractor 65 Lb	Unimac	UWT065V40V	L-(37,39,41)	10	208	3	3-#12 THWN, 3/4"C.	DISC +48"
312	1	Washer/Extractor 85 Lb	Unimac	UWT085V40V	L-(38,40,42)	16	208	3	3-#12 THWN, 3/4"C.	DISC +48"
322	2	Dryer-Gas 75 Lb	Unimac	UT075Q	L-(33,35) L-(34,36)	6.3	208	1	3-#14 THWN, 3/4"C.	DISC +48"
363	1	P&G Chemical System	Ecolab	Formula 1	L-31	3	120	1	2-#12 THWN, 3/4"C.	DR +36"

DR = DUPLEX RECEPTACLE
DISC = DISCONNECT

ALL CONDUITS TO CARRY A FULL SIZED GROUNDING CONDUCTOR

1 ENLARGED LAUNDRY POWER PLAN



2 ENLARGED LAUNDRY LIGHT PLAN

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GLR PANEL NO. "A"									
PANEL TYPE		MOUNTING		LOCATION		VOLTAGE		CKT. / C/B	
MLO 225A	FLUSH	ROOM 103A	120/208V, 3PH, 4W, S/N						
1	P-TAC 1 ROOM 121	1710 1710		P-TAC 1 ROOM 122		20/20P	2		
3	P-TAC 1 ROOM 123	1710 1710		P-TAC 1 ROOM 124		20/20P	4		
5	P-TAC 1 ROOM 125	1710 1710		P-TAC 1 ROOM 126		20/20P	6		
7	P-TAC 1 ROOM 127	1710 1710		P-TAC 1 ROOM 128		20/20P	8		
9	P-TAC 1 ROOM 129	1710 1710				20/20P	10		
11	P-TAC 1 ROOM 131	1710 1710				20/20P	12		
13	P-TAC 1 ROOM 133	1710 1710				20/20P	14		
15	P-TAC 1 ROOM 135	1710 1710				20/20P	16		
17	P-TAC 1 ROOM 137	1710 1710				20/20P	18		
19	P-TAC 1 ROOM 139	1710 1710				20/20P	20		
21	P-TAC 1 ROOM 141	1710 1710				20/20P	22		
23	P-TAC 1 ROOM 143	1710 1710				20/20P	24		
25	P-TAC 1 ROOM 145	1710 1710				20/20P	26		
27	P-TAC 1 ROOM 147	1710 1710				20/20P	28		
29	P-TAC 1 ROOM 149	1710 1710				20/20P	30		
31	P-TAC 1 ROOM 151	1710 1710				20/20P	32		
33	P-TAC 1 ROOM 153	1710 1710				20/20P	34		
35	P-TAC 1 ROOM 155	1710 1710				20/20P	36		
37	P-TAC 1 ROOM 157	1710 1710				20/20P	38		
39	P-TAC 1 ROOM 159	1710 1710				20/20P	40		
41	P-TAC 1 ROOM 161	1710 1710				20/20P	42		
*GFCI BRKR									
TOTAL WATTS / PHASE			11,970	11,970	10,260				
TOTAL WATTS THIS PANEL			34,200						
TOTAL CONNECTED LOAD (FLA)			95						

GLR PANEL NO. "2C"									
PANEL TYPE		MOUNTING		LOCATION		VOLTAGE		CKT. / C/B	
MLO 225A	FLUSH	ROOM 103A	120/208V, 3PH, 4W, S/N	ROOM 103A	120/208V, 3PH, 4W, S/N				
1	ROOM 201 FRIGE / MICROWAVE	C 1500 1480		ROOM 202 FRIGE / MICROWAVE	C 20 2				
3	ROOM 203 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 204 LIGHTS AND RECEPTS	A 20 4				
5	ROOM 205 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 206 LIGHTS AND RECEPTS	B 20 6				
7	ROOM 207 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 208 LIGHTS AND RECEPTS	B 20 8*				
9	ROOM 209 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 210 LIGHTS AND RECEPTS	C 20 10				
11	ROOM 211 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 212 LIGHTS AND RECEPTS	B 20 12				
13	ROOM 213 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 214 LIGHTS AND RECEPTS	B 20 14				
15	ROOM 215 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 216 LIGHTS AND RECEPTS	B 20 16				
17	ROOM 217 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 218 LIGHTS AND RECEPTS	B 20 18*				
19	ROOM 219 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 220 LIGHTS AND RECEPTS	A 20 20*				
21	ROOM 221 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 222 LIGHTS AND RECEPTS	B 20 22				
23	ROOM 223 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 224 LIGHTS AND RECEPTS	C 20 24				
25	ROOM 225 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 226 LIGHTS AND RECEPTS	B 20 26				
27	ROOM 227 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 228 LIGHTS AND RECEPTS	C 20 28				
29	ROOM 229 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 230 LIGHTS AND RECEPTS	B 20 30				
31	ROOM 231 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 232 LIGHTS AND RECEPTS	C 20 32				
33	ROOM 233 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 234 LIGHTS AND RECEPTS	B 20 34				
35	ROOM 235 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 236 LIGHTS AND RECEPTS	C 20 36				
37	ROOM 237 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 238 LIGHTS AND RECEPTS	B 20 38				
39	ROOM 239 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 240 LIGHTS AND RECEPTS	C 20 40*				
41	ROOM 241 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 242 LIGHTS AND RECEPTS	B 20 42				
*GFCI BRKR									
TOTAL WATTS / PHASE			11,970	11,970	10,260				
TOTAL WATTS THIS PANEL			34,200						
TOTAL CONNECTED LOAD (FLA)			95						

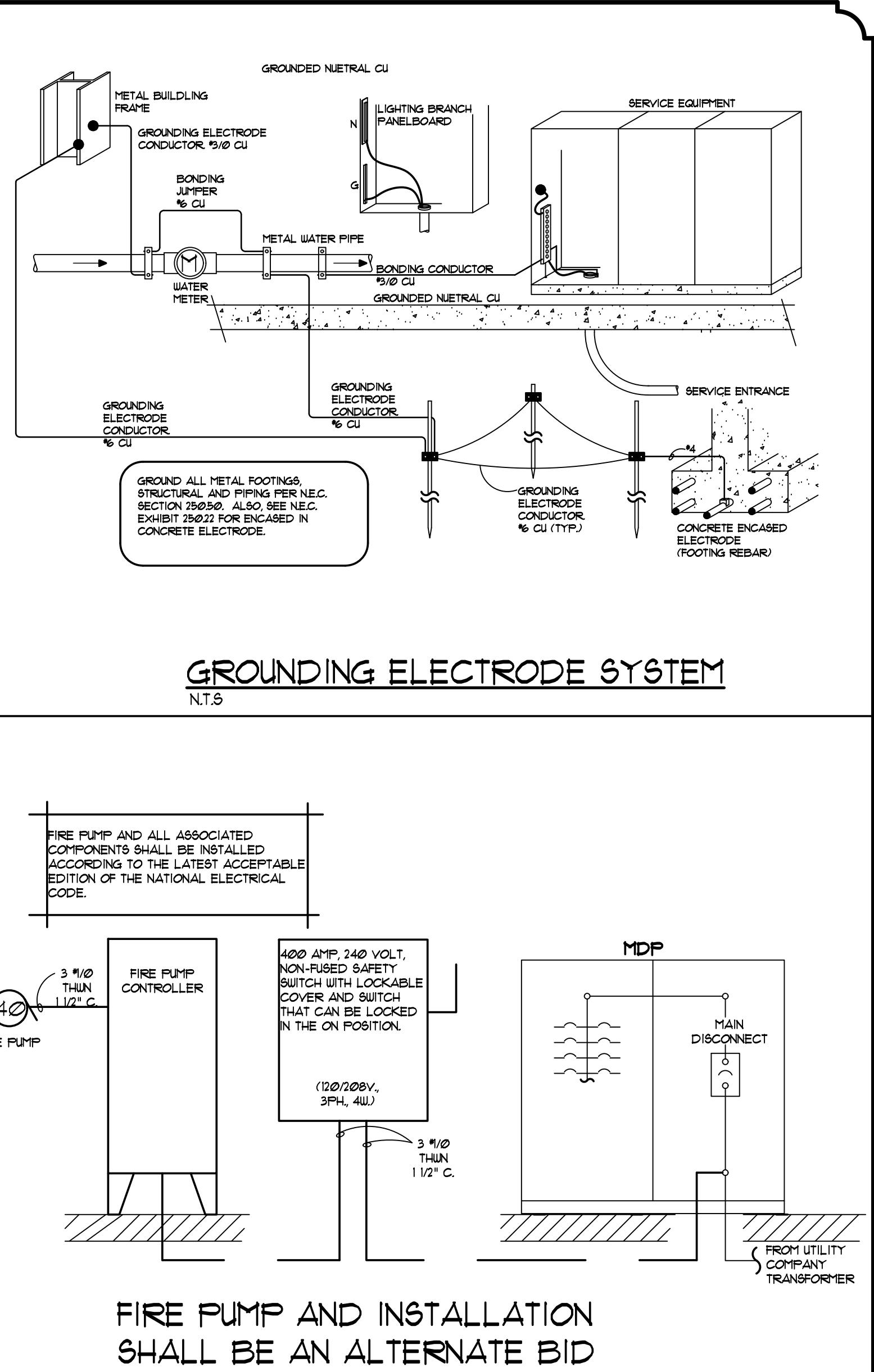
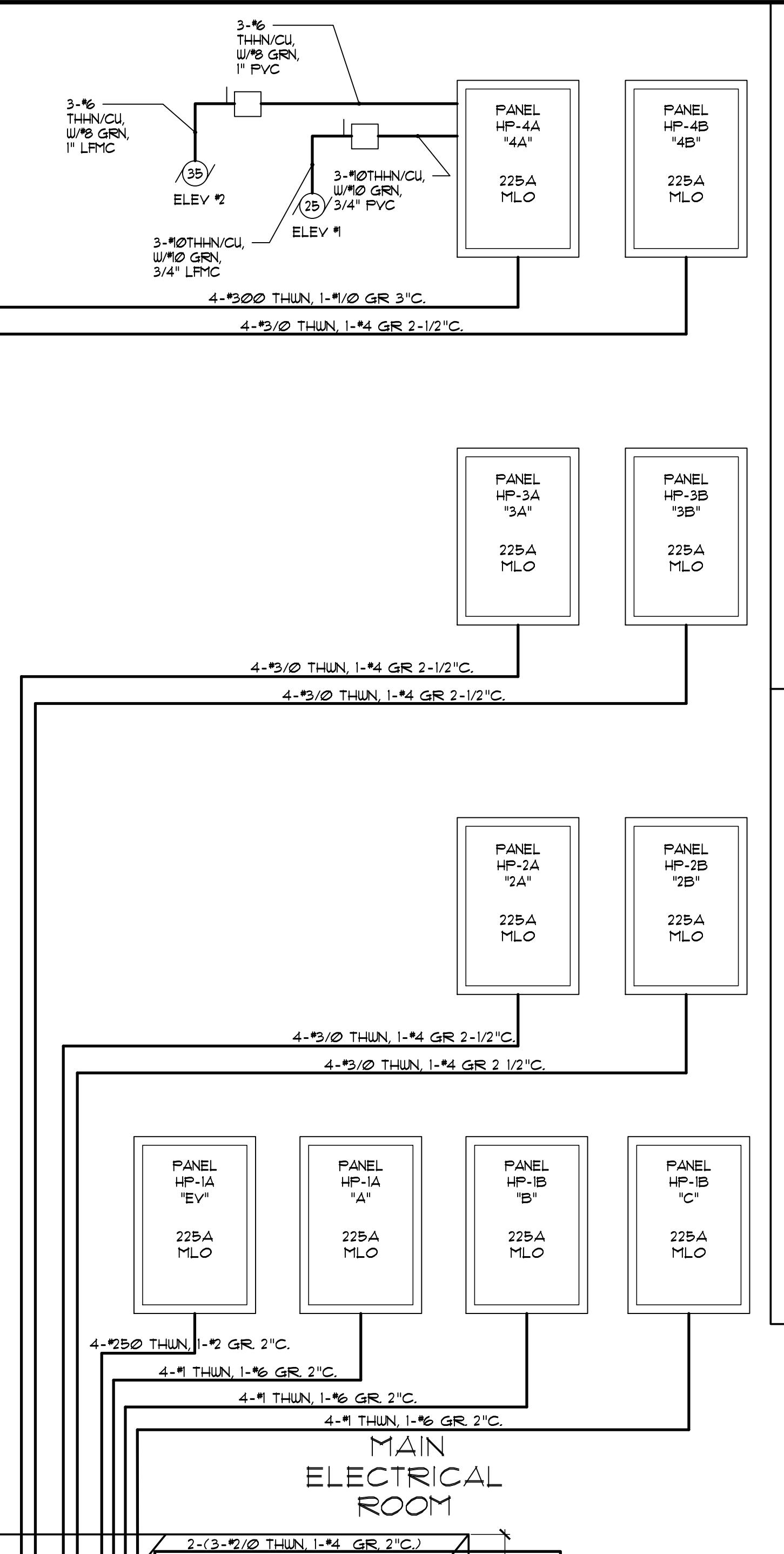
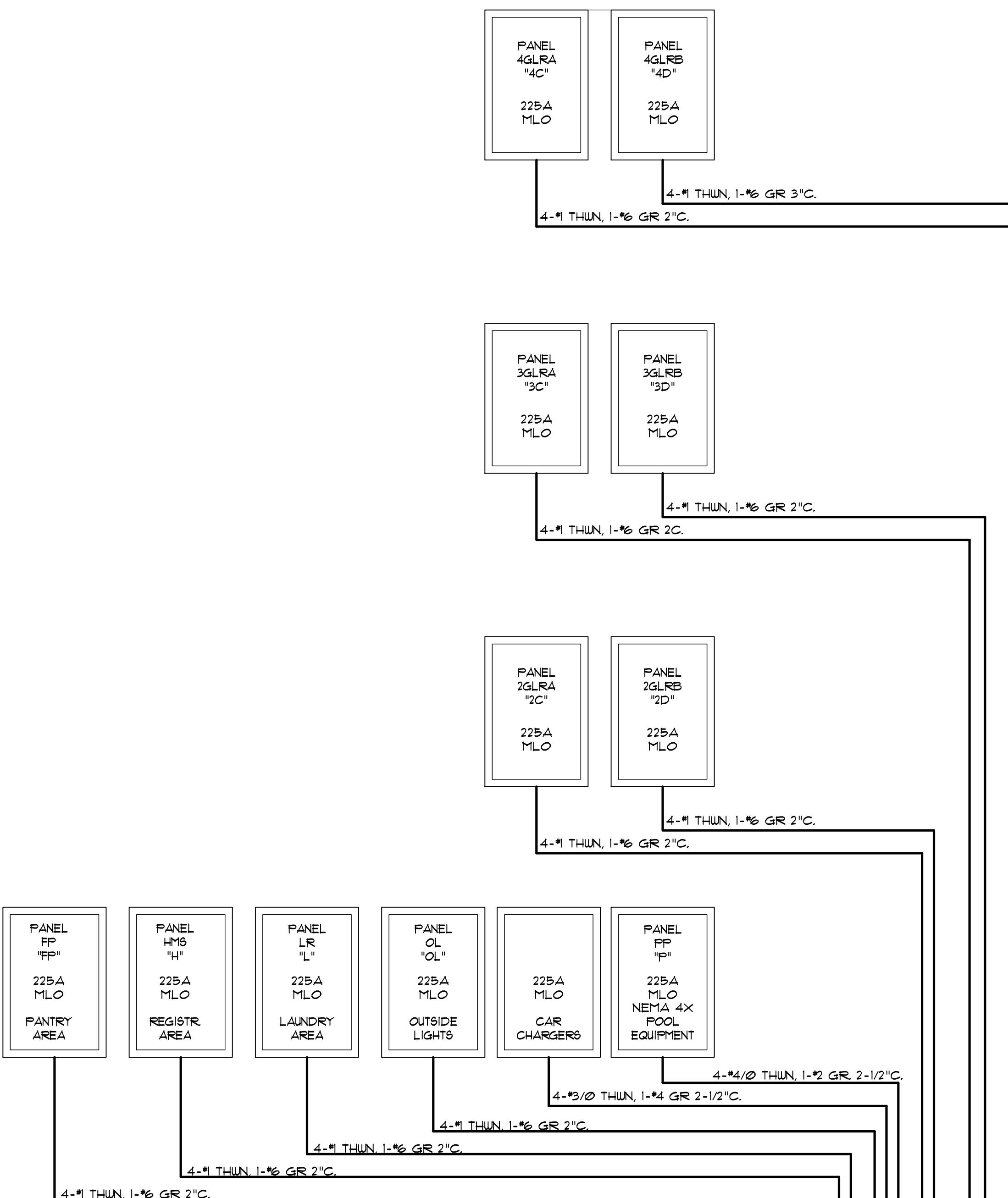
GLR PANEL NO. "3C"									
PANEL TYPE		MOUNTING		LOCATION		VOLTAGE		CKT. / C/B	
MLO 225A	FLUSH	ROOM 301	120/208V, 3PH, 4W, S/N	ROOM 301	120/208V, 3PH, 4W, S/N				
1	ROOM 302 FRIGE / MICROWAVE	C 1500 1480		ROOM 303 LIGHTS AND RECEPTS	C 20 2				
3	ROOM 304 LIGHTS AND RECEPTS	A 1510 1510	B 1559 1559	ROOM 305 LIGHTS AND RECEPTS	A 20 4				
5	ROOM 306 BATHROOM	B 1559 1559		ROOM 307 BATHROOM	B 20 6				
7	ROOM 308 BATHROOM	C 1500 1480		ROOM 309 BATHROOM	B 20 8*				
9	ROOM 310 BATHROOM	C 1500 1480		ROOM 311 BATHROOM	B 20 10				
11	ROOM 312 BATHROOM	C 1500 1480		ROOM 313 BATHROOM	B 20 12				
13	ROOM 314 BATHROOM	C 1500 1480		ROOM 315 BATHROOM	B 20 14				
15	ROOM 316 BATHROOM	C 1500 1480		ROOM 317 BATHROOM	B 20 16				
17	ROOM 318 BATHROOM	C 1500 1480		ROOM 319 BATHROOM	B 20 18*				
19	ROOM 320 BATHROOM	C 1500 1480		ROOM 321 BATHROOM	B 20 20		</		

GLR PANEL NO. "4C"											NQ
PANEL TYPE	MOUNTING	LOCATION	VOLTAGE								
ML0 225A	SURFACE	ROOM 415A	120/208V, 3PH, 4W, S/N								
CKT. C/B	DESCRIPTION	A	B	C	DESCRIPTION	C/B	CKT.				
1	20	ROOM 401 FRIGE / MICROWAVE	C	1300	1480	ROOM 402 FRIGE / MICROWAVE	C	20	2		
3*	20	LIGHTS AND RECEPTS	A	1510	1510	LIGHTS AND RECEPTS	A	20	4*		
5	20	BATHROOM	B	1559	1559	BATHROOM	B	20	6		
7*	20	ROOM 403 LIGHTS AND RECEPTS	A	1590	1510	ROOM 404 LIGHTS AND RECEPTS	A	20	8*		
9	20	BATHROOM	B	1559	1559	BATHROOM	B	20	10		
11	20	FRIGE / MICROWAVE	C	1480	1480	FRIGE / MICROWAVE	C	20	12		
13	20	ROOM 405 LIGHTS AND RECEPTS	A	1559	1559	ROOM 406 LIGHTS AND RECEPTS	A	20	14		
15	20	FRIGE / MICROWAVE	C	1480	1480	FRIGE / MICROWAVE	C	20	16		
17*	20	LIGHTS AND RECEPTS	A	1590	1510	LIGHTS AND RECEPTS	A	20	18*		
19	20	ROOM 407 FRIGE / MICROWAVE	C	1480	1480	ROOM 410 FRIGE / MICROWAVE	C	20	20		
21*	20	LIGHTS AND RECEPTS	A	1590	1510	LIGHTS AND RECEPTS	A	20	22*		
23	20	BATHROOM	B	1559	1559	BATHROOM	B	20	24		
25	20	ROOM 409 LIGHTS AND RECEPTS	A	1590	1590	ROOM 412 LIGHTS AND RECEPTS	A	20	25		
27	20	BATHROOM	B	1559	1559	LIGHTS AND RECEPTS	B	20	28		
29	20	FRIGE / MICROWAVE	C	1480	1480	BATHROOM	C	20	30		
31	20	ROOM 411 BATHROOM	B	1559	1559	ROOM 414 BATHROOM	B	20	32		
33	20	FRIGE / MICROWAVE	C	1840	1480	FRIGE / MICROWAVE	C	20	34		
35	20	LIGHTS AND RECEPTS	A	1630	1590	LIGHTS AND RECEPTS	A	20	35*		
37	20	ROOM 413 FRIGE / MICROWAVE	C	1300	1480	ROOM 416 FRIGE / MICROWAVE	A	20	38		
39*	20	LIGHTS AND RECEPTS	A	1510	1590	LIGHTS AND RECEPTS	A	20	40*		
41	20	BATHROOM	B	1559	1559	BATHROOM	B	20	42		
43*	20	ROOM 415 LIGHTS AND RECEPTS	A	1510	0	SPACE	0	44			
45	20	BATHROOM	B	1559	0	SPACE	0	46			
47	20	FRIGE / MICROWAVE	C	1300	0	SPACE	0	48			
49	0	SPACE		0	0	SPACE	0	50			
51	0	SPACE		0	0	SPACE	0	52			
53	20	STORAGE RM & GUEST LDNY RM 430				0	54				
*GFCI BRKR TOTAL WATTS / PHASE										22,546	23,295
TOTAL WATTS THIS PANEL										65,000	
TOTAL CONNECTED LOAD (FLA)										192	
LINE 1 = 1st 20% @ 50% PER NEC 220.42										10,000	
LINE 2 = REMAINDER @ 40% PER NEC 220.42										19,675	
LINE1+LINE2 = TOTAL AMPS NEC 220.42										82	

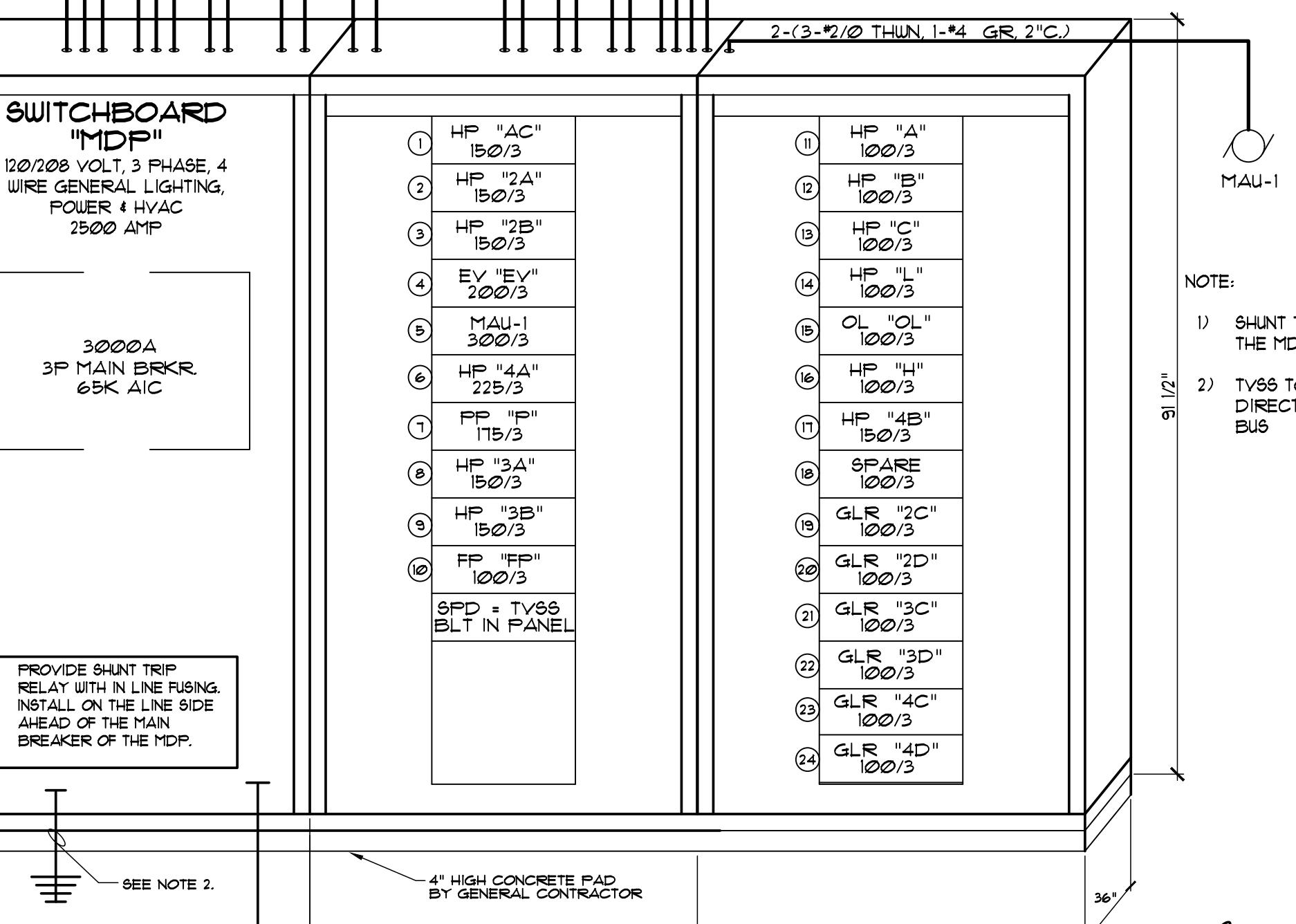
GLR PANEL NO. "L"											NQ
PANEL TYPE	MOUNTING	LOCATION	VOLTAGE								
ML0 225A	FLUSH	ROOM 102A	120/208V, 3PH, 4W, S/N								
CKT. C/B	DESCRIPTION	A	B	C	DESCRIPTION	C/B	CKT.				
1	20	EMPLOYEE BK RM / DRYER AREA LIGHTS	256	780	LAUNDRY / LINEN / PBXLIGHTS	20	2				
3	20	BREAK ROOM 102A FRIG ERA-004	1800	480	BREAK ROOM 102A DISHWASHER ERA-001	20	4				
5	20	ROOM 405 LIGHTS AND RECEPTS	1632	1800	ICE DISPENSER WEST HALL	20	6				
7	20	ROOM 403 LIGHTS AND RECEPTS	360	1380	LAUND. EQUIPMENT SIDE OUTLETS	20	10				
9	20	102B UPER OUTLET	180	720	PBX RECEPTICAL FRONT AND BACK	20	12				
11	20	PBX RECEPTICAL LAUNDRY SIDE	360	360	ELECTRICAL ROOM RECEPTS	20	14				
13	20	PBX DOUBLE DUPLEX	1440	1440	PUB. BATHROOM LIGHTS	20	16				
15	20	PBX RECEPTICAL ELEVATOR SIDE	360	360	PUB. ELEVATOR LIGHTS	20	18				
17	20	PBX RECEPTICAL LAUNDRY CHUTE SIDE	540	0	SPACES	0	20				
19	0	SPACE	0	0	SPACE	0	20				
21	0	SPACE	0	0	SPACE	0	22				
23	0	SPACE	0	0	SPACE	0	24				
25	0	SPACE	0	0	SPACE	0	26				
27	0	SPACE	0	0	SPACE	0	28				
29	0	SPACE	0	0	SPACE	0	30				
31	20	P&G CHEMICAL SYSTEM	360	1212	FURNACE AC-1	15	32				
33	150*	75# GAS DRYER	#322	656	75# GAS DRYER	#322	34				
35	150*	65 LB. WASHER EXTRACTOR	#311	1200	1920	85 LB. WASHER EXTRACTOR	#312	40			
37	0	SPACE	0	0	SPACE	0	40				
39	0	SPACE	0	0	SPACE	0	40				
41	0	SPACE	0	0	SPACE	0	42				
*GFCI BRKR TOTAL WATTS / PHASE										10,348	8,332
TOTAL WATTS THIS PANEL										27,804	
TOTAL CONNECTED LOAD (FLA)										77	
LINE 1 = 1st 20% @ 50% PER NEC 220.42										10,000	
LINE 2 = REMAINDER @ 40% PER NEC 220.42										3,122	
LINE1+LINE2 = TOTAL AMPS NEC 220.42										36	

GLR PANEL NO. "C"										NQ	
PANEL TYPE	MOUNTING	LOCATION	VOLTAGE								
ML0 225A	FLUSH	ROOM 103A	120/208V, 3PH, 4W, S/N								

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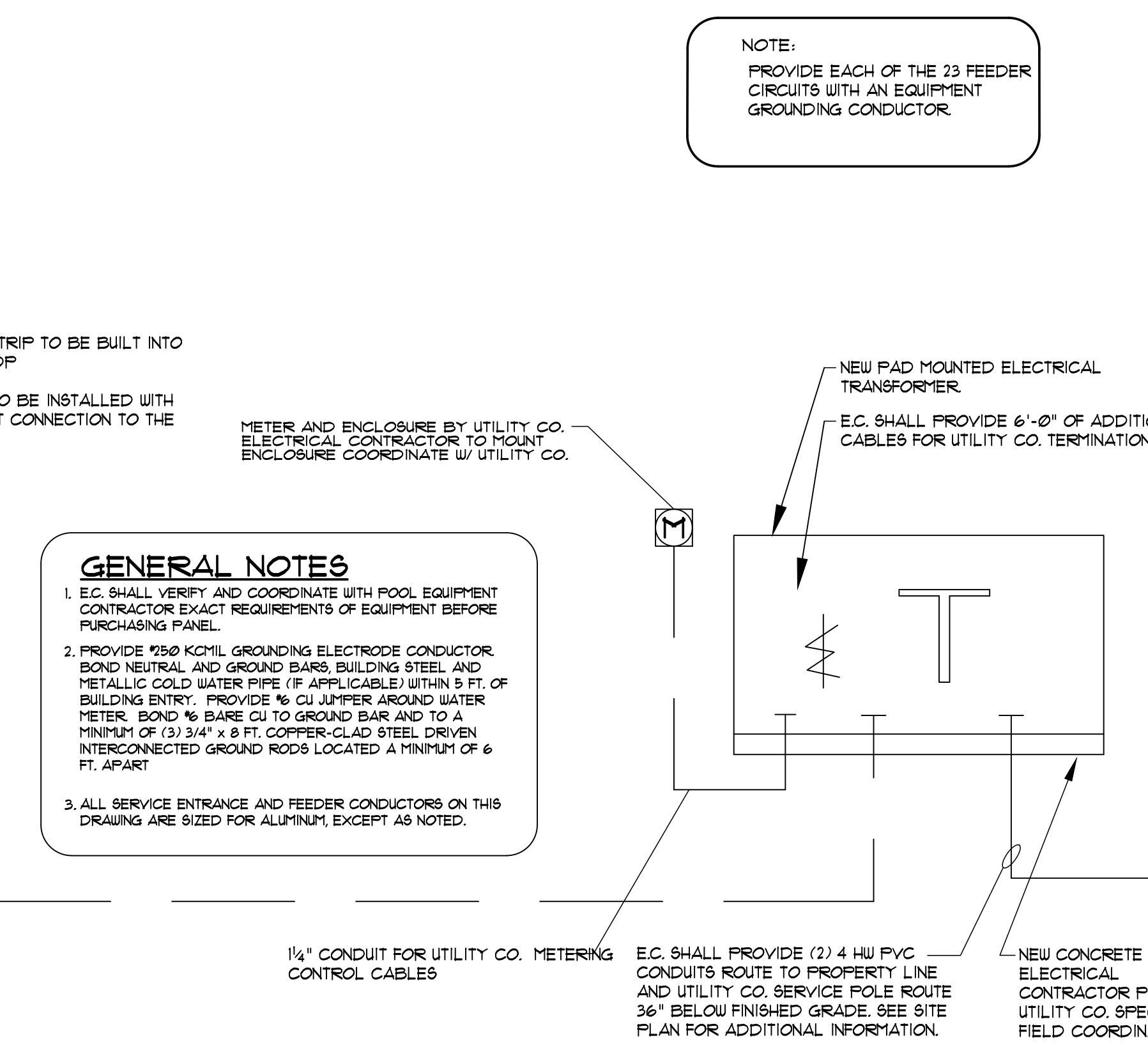
PANEL NO.23116 "MDP" GLR/HP							
CKT. / C/B	MOUNTING	LOCATION	VOLTAGE	DEMAND	MAIN	LOAD*	BREAKER
	DESCRIPTION	A	B	C	AMPS/PANEL	CB	AMPS/PANEL
2	PANEL "A"	11,970	11,970	10,260	95	95	95
3	PANEL "B"	15,026	14,767	15,157	125	55	55
4	PANEL "C"	3,722	3,360	3,124	28	14	14
5	PANEL "AC"	16,827	17,763	17,264	144	144	144
6	PANEL "2A"	17,040	15,330	13,620	128	128	128
7	PANEL "2B"	17,100	15,390	15,390	133	133	133
8	PANEL "2C"	24,123	26,542	26,559	214	91	91
9	PANEL "2D"	22,595	21,702	22,887	186	80	80
10	PANEL "3A"	17,040	15,330	13,620	128	128	128
11	PANEL "3B"	17,100	15,390	15,390	133	133	133
12	PANEL "3C"	22,466	23,285	23,167	191	82	82
13	PANEL "3D"	22,775	21,702	22,887	187	80	80
14	PANEL "4A"	26,167	25,177	23,827	209	209	209
15	PANEL "4B"	17,100	15,390	15,390	133	133	133
16	PANEL "4C"	22,546	23,295	23,347	192	82	82
17	PANEL "4D"	20,816	20,905	21,075	174	75	75
18	PANEL "FP"	9,840	16,094	12,903	108	70	70
19	PANEL "H"	8,198	8,695	9,751	74	55	55
20	PANEL "L"	10,348	8,332	9,124	77	36	36
21	PANEL "OL"	5,576	4,733	2,618	36	0	36
22	PANEL "P"	17,777	18,869	21,002	160	154	154
23	PANEL "EV"	26,624	19,968	19,968	185	185	185
24	ERU-1	26,539	26,539	26,539	221	221	221
25	600A FRAME SPACE FOR FUTURE SOLAR INTERCONNECTION						
	TOTAL WATTS / PHASE	399,315	390,528	384,869			
	TOTAL WATTS THIS PANEL	1,174,712					
	TOTAL CONNECTED LOAD (FLA)	3,261					
		2,420					
	TOTAL WATTS / PHASE	399,315	390,528	384,869			
	TOTAL WATTS THIS PANEL	1,174,712					
	TOTAL CONNECTED LOAD (FLA)	3,261					
		2,420					
	DEMAND LOAD PER NEC	220.42	220.44	220.56			



ELECTRICAL ONE LINE RISER DIAGRAM
(SYSTEM VOLTAGE 120/208V 3+ 4W SN)

SEE NOTE 2.
4" HIGH CONCRETE PAD
BY GENERAL CONTRACTOR

E.C. SHALL PROVIDE (8) 5" C. EACH
WITH (4) 100 KCMIL (AL ROUTE 36"
BELOW FINISHED GRADE)



23116 LIGHT FIXTURE SCHEDULE

Identification Tag	Product	Manufacturer	Model No.	Size	Fixture Description	Mount	Lamp Type	Volts	Watts	Area	Location
ALB-002	Recessed Box	Cooper-Metalux	24GR-LD5-72-F1-UNV-L835-CD1-U	24" L x 48" W x 3.25" H	2x4 Recessed Lensed Troffer A 12 Shielding - Finish White - Trim White - Lens, Acrylic Prismatic Frosted Lens	Recessed ACT	LED 5.0 3500K 80CRI 7200 Lumens	120	56.0	BOH	Food prep/Laundry
ALB-006	Recessed Box	Cooper-Metalux	22SR-LD5-43-F1-UNV-L835-CD1-U	24" L x 24" W x 3.25" H	2x2 General Recessed Troffer - Finish White - Trim White - Lens - Frosted Acrylic Prismatic	Recessed ACT	LED 5.0 3500K 80CRI 4300 Lumens	120	40.1	BOH	Laundry
ALB-012	Recessed Box	Cooper-Metalux	22SR-LD2-29-C-UNV-L835-CD1-U	24" L x 24" W x 4 11/16" H	2x2 EdgeLit "SkyRidge" Center Blade - Finish White - Trim White - Reflector - Lens High Optical Grade Acrylic Prismatic	Recessed ACT	LED 2.0 3500K 80CRI 2900 Lumens	120	23.4	Public	Fitness Ctr/Opt Mtg Room
ALJ-018	Undercabinet	Cooper-Halo	HU30BSC36P HU109P	.76" H x 4.47" W x 32.44" L	3' Undercabinet Strip w/Switch, Acrylic Lens	Surface	LED 3000K 90CRI	120	14.2	BOH	Administration, Employee Areas
ALJ-020	Surface Mounted Wrap	Cooper-Metalux	4WNLED-LD4-40SL-F-UNV-L835-CD1-U	48" L x 7 5/8" W x 2 1/2" H	4' - Surface Mounted Wrap - Finish Frosted Acrylic	Surface	LED 3500K 80CRI 4000 Lumens	120	29.9	BOH	Upper linen rm, elev equip rm, mech/elec rm, water, MATV rm, engineers office, storage, computer / optional 4-bay mtg rm closet
ALJ-038	Surface Mounted Wrap	Cooper-Metalux	2WNLED-LD4-28SL-F-UNV-L835-CD1-U	24" L x 7 5/8" W x 2 1/2" H	2' - Surface Mounted Wrap - Finish Frosted Acrylic	Surface	LED 3500K 80CRI 2800 Lumens	120	24.2	BOH	Upper linen rm, workroom
ALJ-039	LED Strip	Richelleau	FLEXYLED CH Tape Lights #103197122 Warm white strip light, 16'-5' per roll (24W total) 30142010-45 deg. aluminum channel w/ translucent cover *Power Supply Drivers #51230 (30 watt) and #51260 (60 watt)	16'-5" Long x 5/16" Wide, 22'6" total length at Registration Art Work/ 7'-8" length for Connecting Cable and Switch Options as required	LED strip with 45 deg. Channel - Finish White - Lens Translucent	Inside millwork frame of artbox and inside hearth opening at top	LED 3100K 80CRI	12V	24	Public	Registration Desk Artwork - around 4 sides / Hearth opening
ALJ-040	LED Strip	Richelleau	FLEXYLED CH Tape Lights #103197122 Warm white strip light, 16'-5' per roll (24W total) 3014210 aluminum channel w/ translucent cover *Power Supply Drivers #51230 (30 watt) and #51260 (60 watt)	16'-5" Long x 5/16" Wide	LED strip with straight channel - Finish White - Lens Translucent	Under edge of hearth stone seat	LED 3100K 80CRI	12V	24	Public	Under hearth seat
ALJ-041	Cove	Eaton	O.03-1W-830-90-ID-STD-UNV-AN-WM-E-GF0	.72" L x .76" W x .75" H	.75 Liner Cove Asymmetric w/24w Driver	Wall Mount	LED 3000K 80CRI	120	6	Public	Lobby above wood plank ceiling
ALJ-042	Cove	Cooper-Ametrix	CS-SL-8SCT-120-ID-UNV-W-SA-IF, CS-10V-STD (No Substitutes)	12" L x 2.5" W x 1.7" H	Small Profile Cove, power harness required at beginning of each run	Cove	LED 3000K 85CRI	120	3.5	Public	First Floor Elevator Lobby Lobby
ALJ-046	Cove	Elliptar	S315-R04L-S-00-8-0D-0-35-00	2 5/8" x 5 9/16" x 48"	Wet Listed symmetrical, Natatorium construction, Anodized finish, Non dimming	Cove	LED 3500K 80CRI 3450 Lumens	120	27.2	Public	Pool Cove
ALK-005	Wall Mounted Sconce	Easton - Corelite	JS-LL-3L35-1D-120-SU-WA-STD-S	24.75" L x 8.5" W x 2.5" H	Jaylyn Sconce Stainwell with backlight	Wall Mount	LED 3500K TBD 1376	120	23	Public	Stainwell
ALO-006	Natatorium Rated Wall Sconce	Insight Lighting	D2-200-40K-SM-UNV-NO-TW-IP66-CRF	4.12" J x 16" D x 23" L	"DecoLED" Wet Listed natatorium rated fixture with aluminum treated powder-coat painted finish. Stainless Steel Hardware. ETL approved, 5 year warranty - Finish Semi-gloss white - Lens clear light grade acrylic.	Wall	LED 4000K	120	200	Public	Pool - wall mount sconce
ALR-021	Down Light	Cooper Lighting	ML4DM10LSFL9FS1E-TL43R2GMWWB-MF4RC	5.5/16" W x 8 7/8" L, 2.5" Aperture w/5" Trim	Clear lens, 25 deg narrow flood	Ceiling Recessed	LED 3000K 90CRI	120	12.9	Public	Co
ALR-030	Down Light	Cooper-Halo	HC615D010EM7-HM0525930-61MDHIEDM	4.6" H x 7.75" W x 13" L	Downlight 6" Aperture	Ceiling Recessed	LED 3000K 90CRI	120	13.7	Public	Fitness Ctr - Stretch area/Fitness Ctr corridor
ALR-031	Recessed	Cooper-Halo	ML4DM10LSFL9FS1E-TL40R2GMW	4.94" Dia x 1.15" H	2.5" Aperture	Ceiling Recessed	LED 3000K 9.4W 90 900	120	12.9	Guestroom	Bathroom (for use with continuous venting)
ALR-043	Down Light	Cooper-Halo	HC620D010-HM055930-61MDH	13" L x 7.5" W x 7" H	6" Dia	Ceiling Recessed	LED 3000K 90CRI	120	28.5	Public	Pool Vestibule, Vestibule, Cart Storage, Lobby, Corridor, Breakfast
ALR-045	Down Light	Cooper-Halo	HL36A20930ED010ICAT-TIR4SNFL25-TL3R2GNW	5.87" H x 10.23" W x 14.55" L	4" Downlight w/adjustable gimbal	Ceiling Recessed	LED 3000K 90CRI	120	19.5	Public	Coffee Bar
ALR-046	Down Light	Cooper-Halo	ML4DM10LSFL9FS1E-TL40R2GMW	4.6" Dia x 2.68" H	4" Downlight wet rated	Ceiling Recessed	LED 3000K 90CRI	120	9	Guestrooms	Bath / Showers
ALR-050	Down Light	Cooper-Halo	H550ICAT/ML560930/595VV	10.5" L x 5.5" W x 7" H	ML Downlight Recessed Wall wash	Ceiling Recessed	LED 3000K 90CRI	120	13.4	Public	Meeting Room
ALR-051	Down Light	Cooper-Halo	HC620D010-HM6025330-61RWWCW	7.75" Dia x 4.4" H	Downlight Wall Wash	Ceiling Recessed	LED 3000K 90CRI	120	20	Public	Public RR
ALR-052	Down Light	Signify-Lightolier	6RN/CGL-15-30MZ10U/CGRWCC	6 3/8" H x 10 1/8" W x 13 5/8" L	Calcilite LED 6" Dia Wall Wash	Recessed	LED 3000K 90CRI	120	15	Public	Corridors
ALR-053	Down Light	Cooper-Halo	ML4DM10LSFL9FS1E-TL41RMB	5" Dia x 3 3/8" H	4" Dia Downlight w/ 2" Round pinhole, 25deg narrow flood	Ceiling Recessed	LED 3000K 90CRI	120	12.8	Public	Lobby breakfast area in wood plank
ALR-054	Down Light	Cooper-Halo	ML4D05930E-TIR50AWW25-TL41RMB-H245ICAT	5" Dia x 3 3/8" H	4" Downlight w/ 2" Round pinhole, narrow flood asymmetric/wall wash	Ceiling Recessed	LED 3000K 90CRI	120	12.8	Public space	Registration
ALY-007	Down Light	Cooper-Halo	HC610D010EM7-HM6052530-61MDCIEM	13" L x 7.5" W x 7" H	Downlight 6" Recessed Emergency backup - Wet location - Trim Clear	Ceiling Recessed	LED 3000K 80CRI	120	9.9	Exterior	Entry/Exit
ALY-025	Uplight/Flood	Acclaim Lighting	DSW-211-AAEN	8.39" D x 13.3" W x 14.17" H	Drum outdoor flood w/10x60 deg graze and pivoting head of 180 deg	Surface	LED 4000K 80CRI	120-277	85	Exterior	Ends of corridors above roofs at canopy
ALY-026	LED Wall mount	Cooper Lighting/ McGraw Edison	ISC-SA1-A-740-U-T2-GM-CBP-ULG	7" H x 9" D x 18" W	Outdoor Wall Pack Cylindrical up/down	Wall	LED 4000K 70CRI	120-277	20.1	Exterior	Entry/Exit 6'-8" MIN TO BTM OF FIXTURE
ALY-031	LED Cove	Acclaim Lighting	PBA-242-ATLN	2.36" W x 3.3" H x 12" L	Direct view wet listed LED cove color pixel bar preset to Marriott Blue	Surface	LED 3000K	120-277	8	Exterior	Building Accent feature at Entrance
ALY-033	LED Cove	Acclaim Lighting	PBA-242-DTLN	2.36" W x 3.3" H x 48" L	Direct view wet listed LED cove color pixel bar preset to Marriott Blue	Surface	LED 3000K	120-277	32	Exterior	Building Accent feature at Entrance
ALY-034	Down Light	Cooper-Halo Commercial	HC620D010-HM60525840-61MDC	13" L x 7.5" W x 7" H	Downlight Recessed Exterior 6", wet listed	Recessed	LED 4000K 80CRI	120-277	20	Exterior	Porte Cochere
ALZ-008	Flood	Cooper-Lumark	XTOR2B-W, XTORFLD-KNC	6 3/4" L x 5 3/4" W x 3 5/8" H	"Crosstour" with Landscape Flood Kit, knuckle mount	Ground	LED 4000K 70CRI	120	18	Exterior	At porte-cochere, 1 column supporting porte cochere (both sides) and at Flag Poles
ALZ-024	Landscape	Cooper-Lumiere	696-8LED-4025-120/12-CS	6.13" Dia x 9025" H	Exterior In-Ground-mount Recessed	In-Ground	LED 4000K 90CRI	120-277	7.8	Exterior	Front Entrance
BR-400a	Pendant	Challenger Lighting	CA5476-00-GREY	16.53" Dia x 17.3" H	Pendant-Bell, Grey-Med	Ceiling	LED 2700K 80CRI MED BASE A19	120	9.0	Public	Breakfast over Communal Table
BR-400b	Pendant	Challenger Lighting	CA5473-00-BLK	13.78" Dia x 14.56" H	Pendant-Bell, Black Small	Ceiling	LED 2700K 80CRI MED BASE A19	120	9.0	Public	Breakfast over Communal Table
BR-400c	Pendant	Challenger Lighting	CA5470-00-SAND	8.66" Dia x 9.05" H	Pendant-Bell, Sand Extra Small	Ceiling	LED 2700K 90CRI CANDELABRA E12	120	16.0	Public	Breakfast over Communal Table
BR-400d	Pendant	Challenger Lighting	CA5474-00-GREY	13.78" Dia x 14.56" H	Pendant-Bell, Grey Small	Ceiling	LED 2700K 80CRI MED BASE A19	120	9.0	Public	Breakfast over Communal Table
BR-400e	Pendant	Challenger Lighting	CA5472-00-WHT	8.66" Dia x 9.05" H	Pendant-Bell, White Extra Small	Ceiling	LED 2700K 90CRI CANDELABRA E12	120	16.0	Public	Breakfast over Communal Table
BR-400f	Pendant	Challenger Lighting	CA5471-00-BLK	8.66" Dia x 9.05" H	Pendant-Bell, Black Extra Small	Ceiling	LED 2700K 90CRI CANDELABRA E12	120	16.0	Public	Breakfast over Communal Table
BR-400g	Pendant	Challenger Lighting	CA5475-00-SAND	16.53" Dia x 17.3" H	Pendant-Bell, Sand Medium	Ceiling	LED 2700K 80CRI MED BASE A19	120	9.0	Public	Breakfast over Communal Table
BR-401	Wall Sconce	Project Light Inc	176401	8.5" H x 9.33" W x 15.8" D	Wall Sconce w/fixed angled conical shade- Painted Antique Brass	Wall	LED 3000K 80CRI MED BASE A19	120	9.0	Public	Breakfast area - picture area above Banquette wall
BR-402	Pendant	Challenger Lighting	CA5475-00-SAND	16.53" Dia x 17.3" H	Pendant-Bell, Sand Medium	Ceiling	LED 2700K 80CRI MED BASE A19	120	9.0	Public	Breakfast area - picture area above Booth
BR-403	Ceiling	Project Light Inc	176403	18 1/8" Dia x 12 5/16" H	Ceiling Flush Mount Antique Brass	Ceiling	LED 3000K 80CRI 800 LUMENS	120	9.0	Public	Buffet area
E1 & E2	EMERGENCY LIGHTING	Lithonia									

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Fairfield
BY MARRIOTT

JOB TITLE

FAIRFIELD BY MARRIOTT
MARRIOTT #70960
PENDLETON, IN
A NEW 97 ROOM HOTEL

JOB NO.
24126

DATE
05/30/25

REVISIONS

PRELIMINARY NOT FOR CONSTRUCTION

SHEET NO.
E5.2
ELECTRICAL
DIAGRAMS, &
DETAILS

POOL NOTES:

1. PROVIDE GROUNDING PER THE NATIONAL ELECTRICAL CODE, AND IN ACCORDANCE WITH THE POOL MANUFACTURER'S RECOMMENDATIONS, FOR THE SWIMMING POOL.
2. (4) COMBUSTION AIR INTAKE LOUVERS WITH MOTORIZED DAMPER ON INLET SIDE TO BE INTERLOCKED w/POOL BOILER BURNERS. (2) WITHIN 12" OF CEILING AND (2) WITHIN 12" OF FLOOR.
3. FRESH AIR INTAKE LOUVER WITH MOTORIZED DAMPER ON INLET SIDE TO BE INTERLOCKED w/POOL DEHUMIDIFICATION SYSTEM.

ALL POOL METAL COMPONENTS SHALL BE ELECTRICALLY BONDED WITH #8 OR LARGER SOLID COPPER BONDING CONDUCTOR TO COMPLY WITH THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE, SECTION 680-22. PARTS TO BE BONDED SHALL BE AS FOLLOWS:

ALL METALLIC PARTS OF THE POOL STRUCTURE, INCLUDING THE REINFORCING METAL OF THE POOL SHELL, COPING STONES, AND DECK. STEEL TIE WIRES SHALL BE MADE TIGHT AND SHALL BE USED FOR BONDING THE REINFORCING STEEL TOGETHER.

ALL FORMING SHELLS AND MOUNTING BRACKETS OF WET NICHE LUMINARIES SHALL ALSO BE GROUNDED.

ALL METAL FITTINGS WITHIN OR ATTACHED TO THE POOL STRUCTURE REQUIRE BONDING EXCEPT FOR ISOLATED PARTS THAT ARE NOT OVER 4 INCHES IN ANY DIMENSION AND DO NOT PENETRATE INTO THE POOL STRUCTURE MORE THAN 1 INCH.

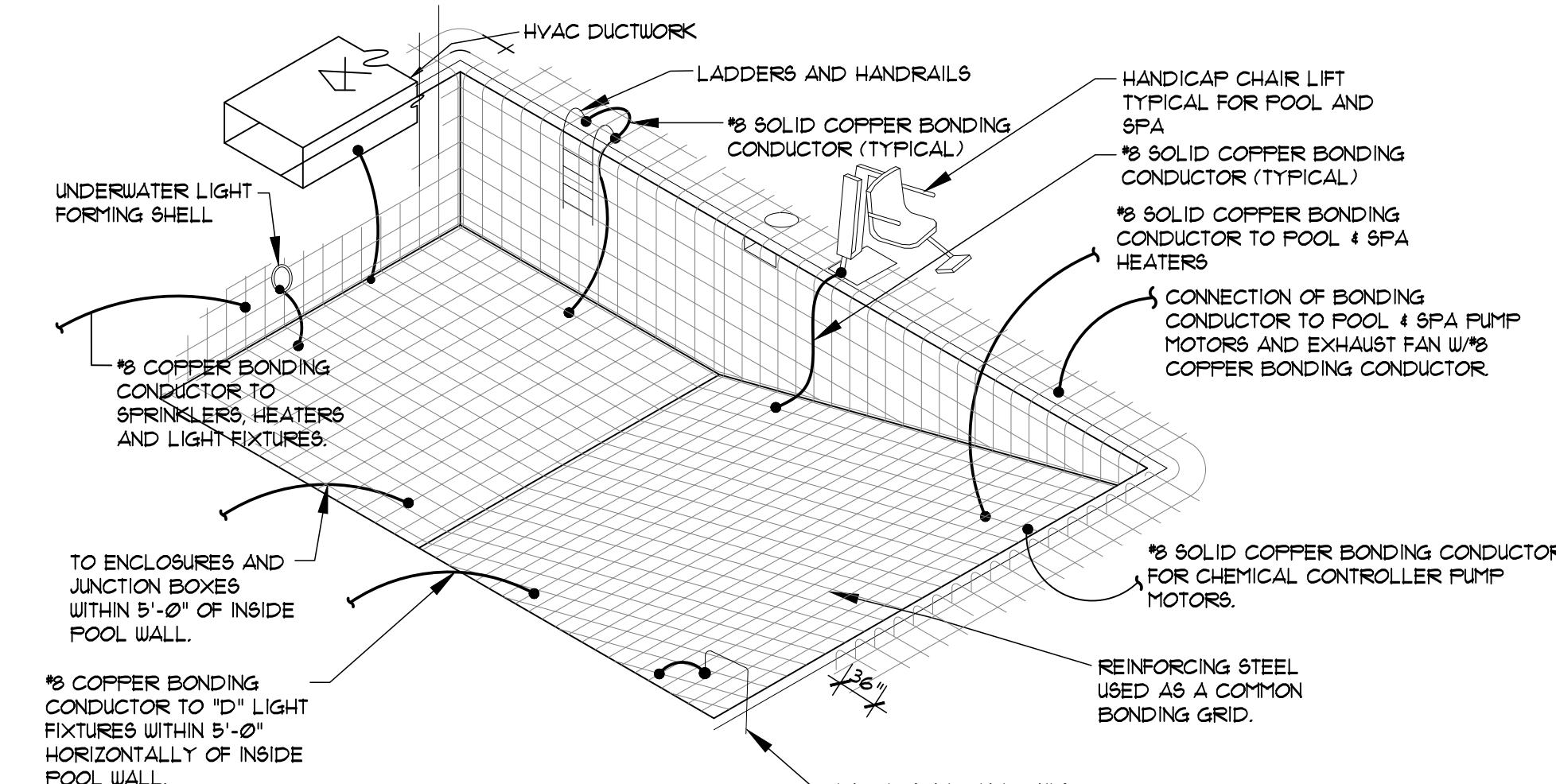
METAL PARTS OF ELECTRICAL EQUIPMENT ASSOCIATED WITH THE POOL WATER CIRCULATING SYSTEM, INCLUDING PUMP MOTORS.

METAL-SHEATHED CABLES AND RACEWAYS, METAL PIPING, AND ALL FIXED METAL PARTS THAT ARE WITHIN 5 FT. HORIZONTALLY OF THE INSIDE WALLS OF THE POOL, AND WITHIN 12 FT. ABOVE THE MAXIMUM WATER LEVEL OF THE POOL, OR ANY PLATFORMS, OR FROM ANY DIVING STRUCTURES AND THAT ARE NOT SEPARATED FROM THE POOL BY A PERMANENT BARRIER.

ALL METALLIC PARTS OF THE POOL STRUCTURE INCLUDING THE REBAR, COPING STONES, DECK METAL PARTS, DUCTWORK AND LUMINARIES SHALL BE CONNECTED INTO A COMMON BONDING GRID WITH A SOLID COPPER CONDUCTOR NOT SMALLER THAN #8.

POOL NOTES & BONDING REQUIREMENTS

NTS



4 TYPICAL POOL BONDING DETAIL

SCALE: N.T.S.

SEE NOTE #3 SHEET E22 FOR LOCATION

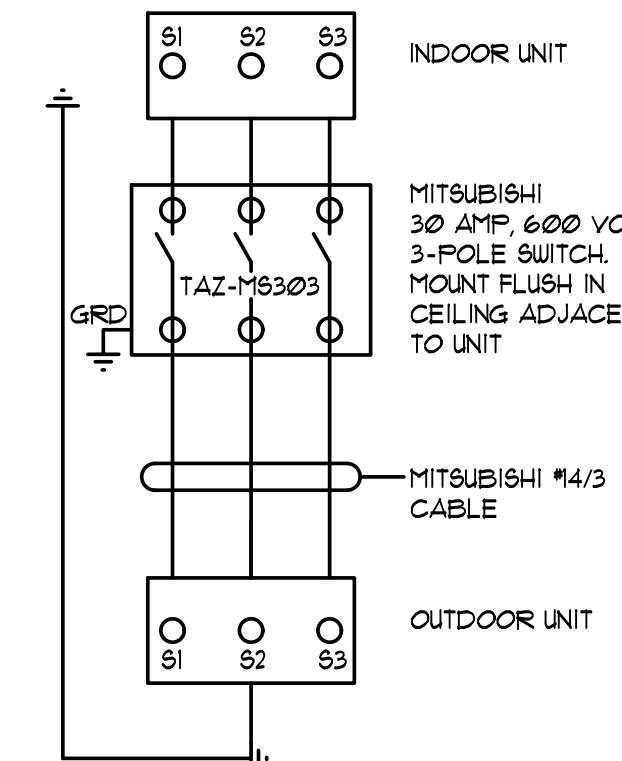
LOBBY & BREAKFAST LIGHT SWITCHING KEY						
SW.	LEG	SW. TYPE	CIRCUIT	DIMMER SIZE	CIRCUIT LOCATION	REMARKS
a	\$D	H-6	100W		LOBBY AREA	0-10V ANALOG DIM.
b	\$D	H-6	100W		REGISTRATION DESK	0-10V ANALOG DIM.
c	\$D	H-6	600W		LOUNGE AREA	0-10V ANALOG DIM.
d	\$D	FP-25	600W		BREAKFAST BUFFET AND COFFEE BAR	0-10V ANALOG DIM.
e	\$D	FP-24	600W		DINING AREA	0-10V ANALOG DIM.
f	\$D	FP-24	600W		PRNDANTS AT BOOTHS AND COMMUNAL TABLE	0-10V ANALOG DIM.
g	\$	P-28			POOL WALL LIGHTS	REAR
h	\$	P-29			POOL WALL LIGHTS	FRONT
j	\$	P-27			POOL CEILING LIGHTS	OVER POOL
k	\$	P-26			POOL UNDERWATER LIGHTS	IN POOL

DIMMERS SHALL NOT BE GANGED TOGETHER WITHIN THE SAME BOX,
\$ = NON DIMMING SD = DIMMING

VERRY DIMMER SIZE AND
ELECTRICAL REQUIREMENTS

7 LIGHT SWITCHING KEY

SCALE: N.T.S.

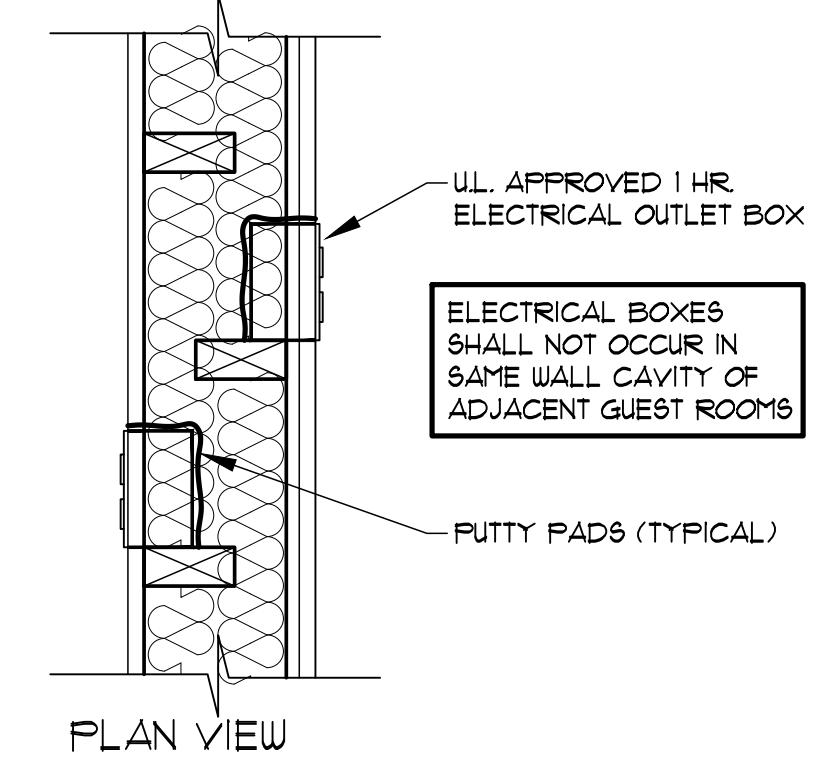


2 MITSUBISHI WIRING DIAGRAM

NTS

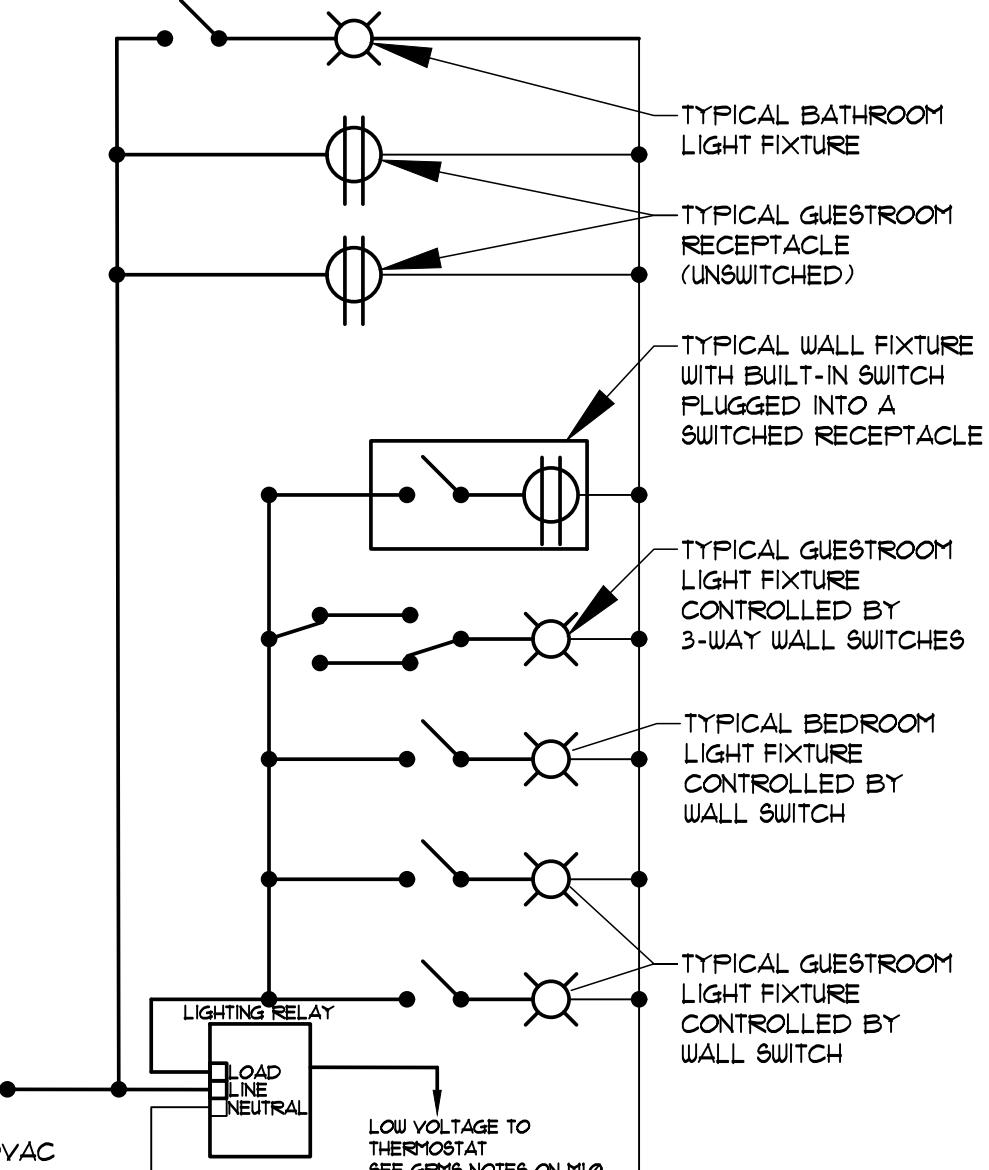
NOTE:
SEE SHEET A5.1 FOR VARIOUS WALL TYPES,
AND A2 SERIES & A4 SERIES FOR
LOCATIONS OF THESE WALLS

NOTE:
GENERAL CONTRACTORS
JUNCTION BOXES WRAPPED WITH 3-M
MPP45 MOLDABLE FIRE PUTTY
INSTALLED PER MANUFACTURER
SPECIFICATIONS AND VERIFY WITH LOCAL
CODE OFFICIALS
PROVIDE PUTTY PADS ON ALL ELECTRICAL
DEVICES IN GUESTROOM PARTY WALLS FOR
SOUND ISOLATION.



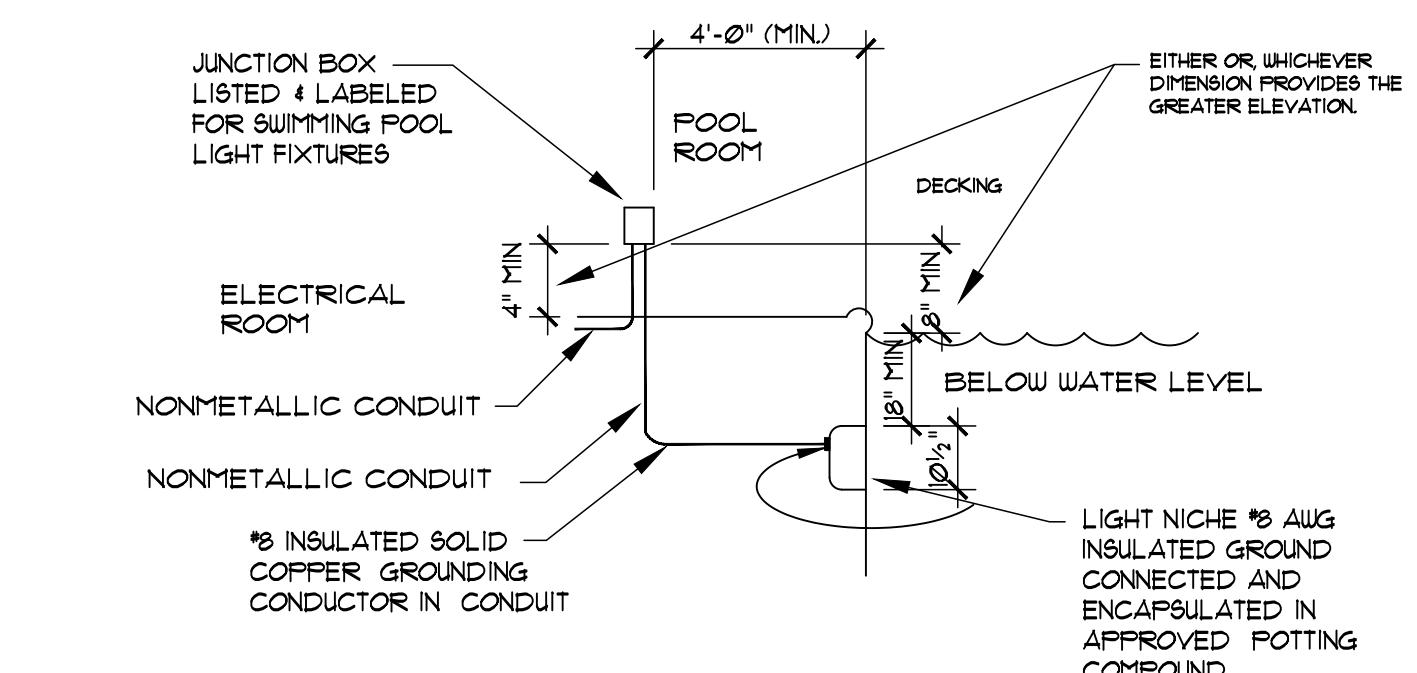
3 BACK TO BACK ELECTRICAL OUTLET BOXES

SCALE: 1 1/2" = 1'-0"



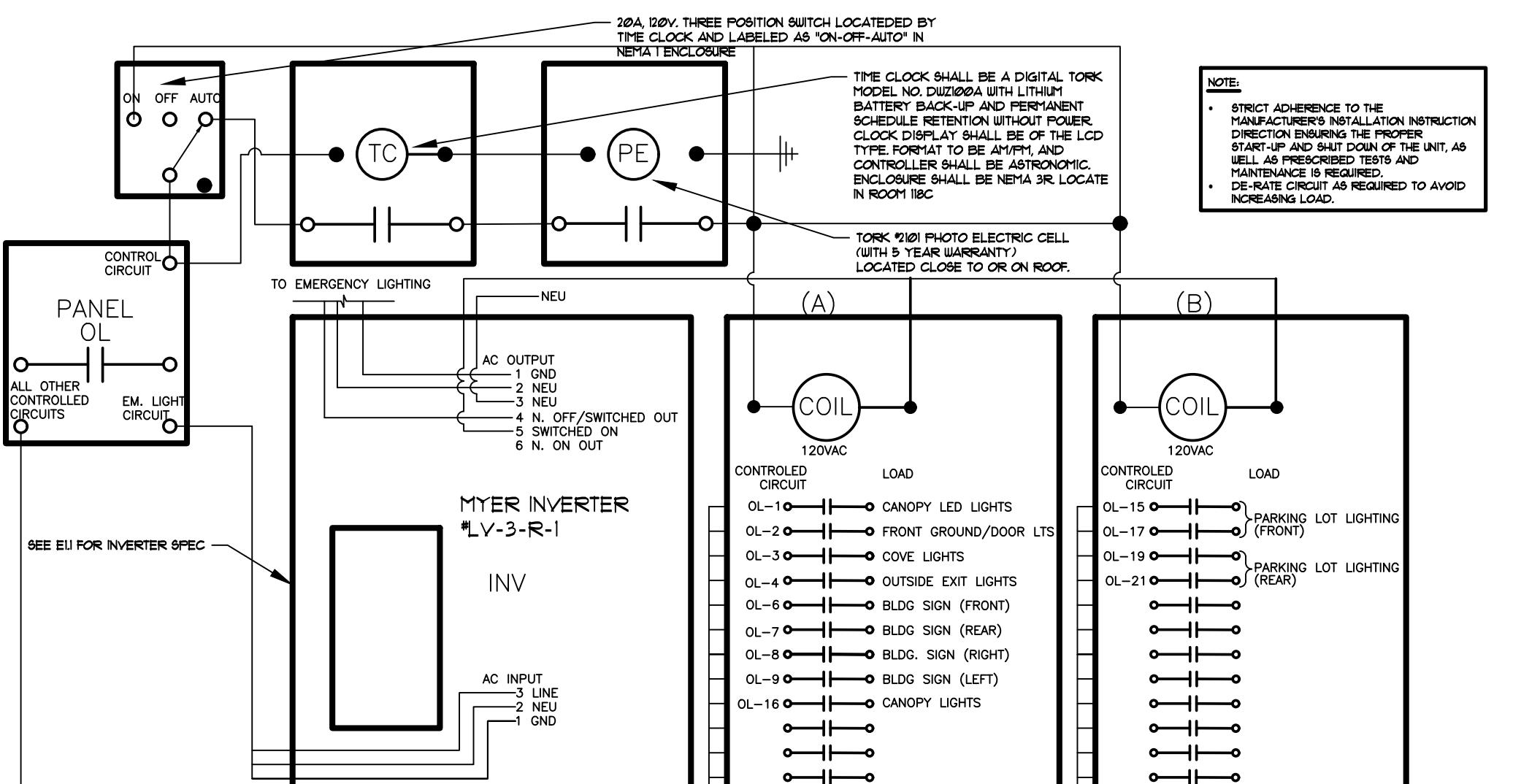
5 LIGHTING RELAY DIAGRAM

NTS



8 SECTION @ POOL LIGHT

SCALE: N.T.S.



6 INVERTER, PHOTO EYE AND TIMER CNTROLLER

SCALE: N.T.S.

NOTE:
DIMMING CONTACTORS
2 POLE LIGHTING CONTACTORS W/20 VAC COILS
IN NEPA ENCLOSURE. CONTACTS SHALL BE
ELECTRICALLY HELD. "NO" DRAFTS 120VAC
CONTACTORS SHALL BE LOCATED IN THE PFB
ROOM. SEE SHEET E7.

