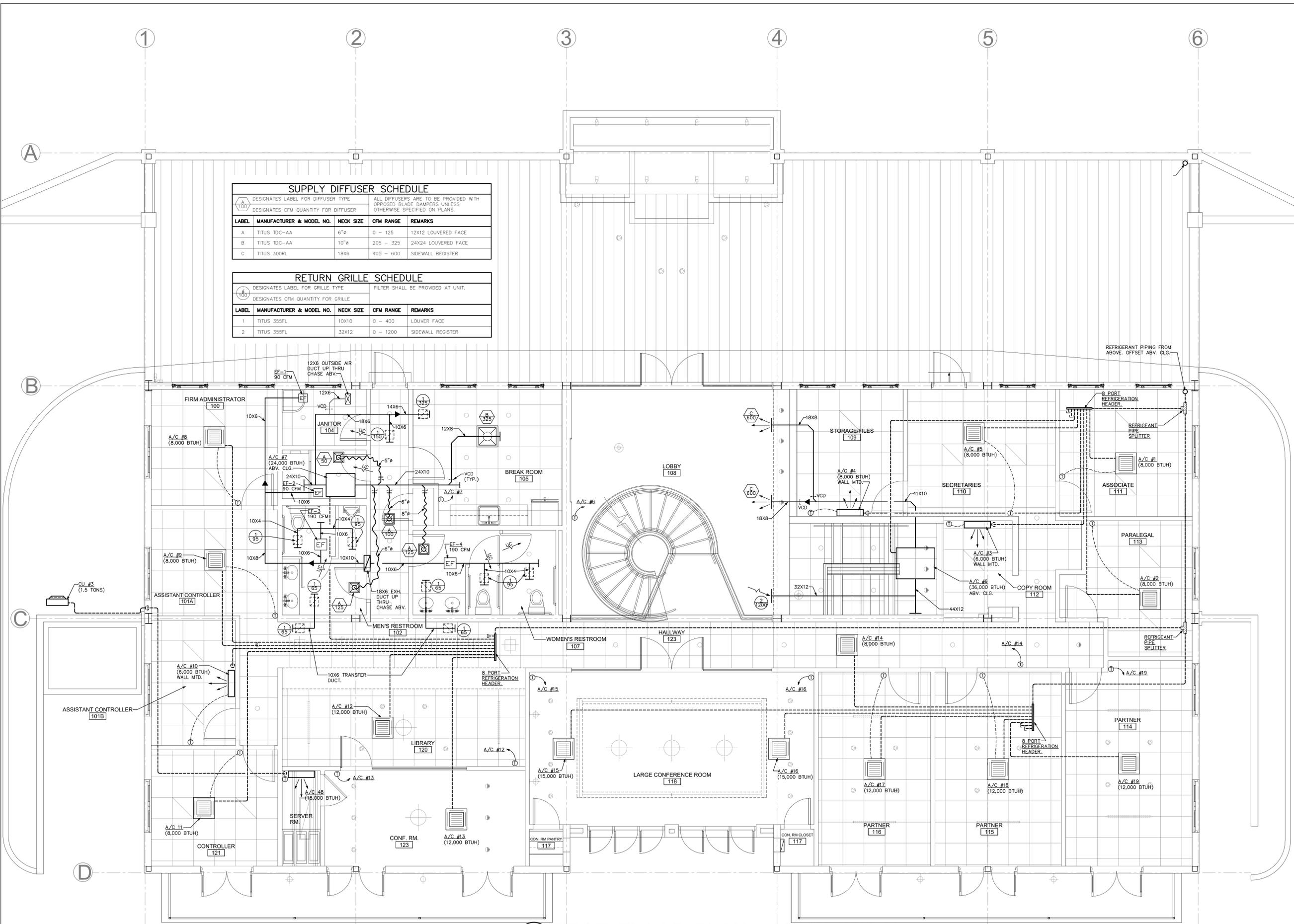


SUPPLY DIFFUSER SCHEDULE				
DESIGNATES LABEL FOR DIFFUSER TYPE		ALL DIFFUSERS ARE TO BE PROVIDED WITH OPPOSED BLADE DAMPERS UNLESS OTHERWISE SPECIFIED ON PLANS.		
DESIGNATES CFM QUANTITY FOR DIFFUSER				
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
A	TITUS TDC-AA	6"ø	0 - 125	12X12 LOUVERED FACE
B	TITUS TDC-AA	10"ø	205 - 325	24X24 LOUVERED FACE
C	TITUS 300RL	18X6	405 - 600	SIDEWALL REGISTER

RETURN GRILLE SCHEDULE				
DESIGNATES LABEL FOR GRILLE TYPE		FILTER SHALL BE PROVIDED AT UNIT.		
DESIGNATES CFM QUANTITY FOR GRILLE				
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
1	TITUS 355FL	10X10	0 - 400	LOUVER FACE
2	TITUS 355FL	32X12	0 - 1200	SIDEWALL REGISTER

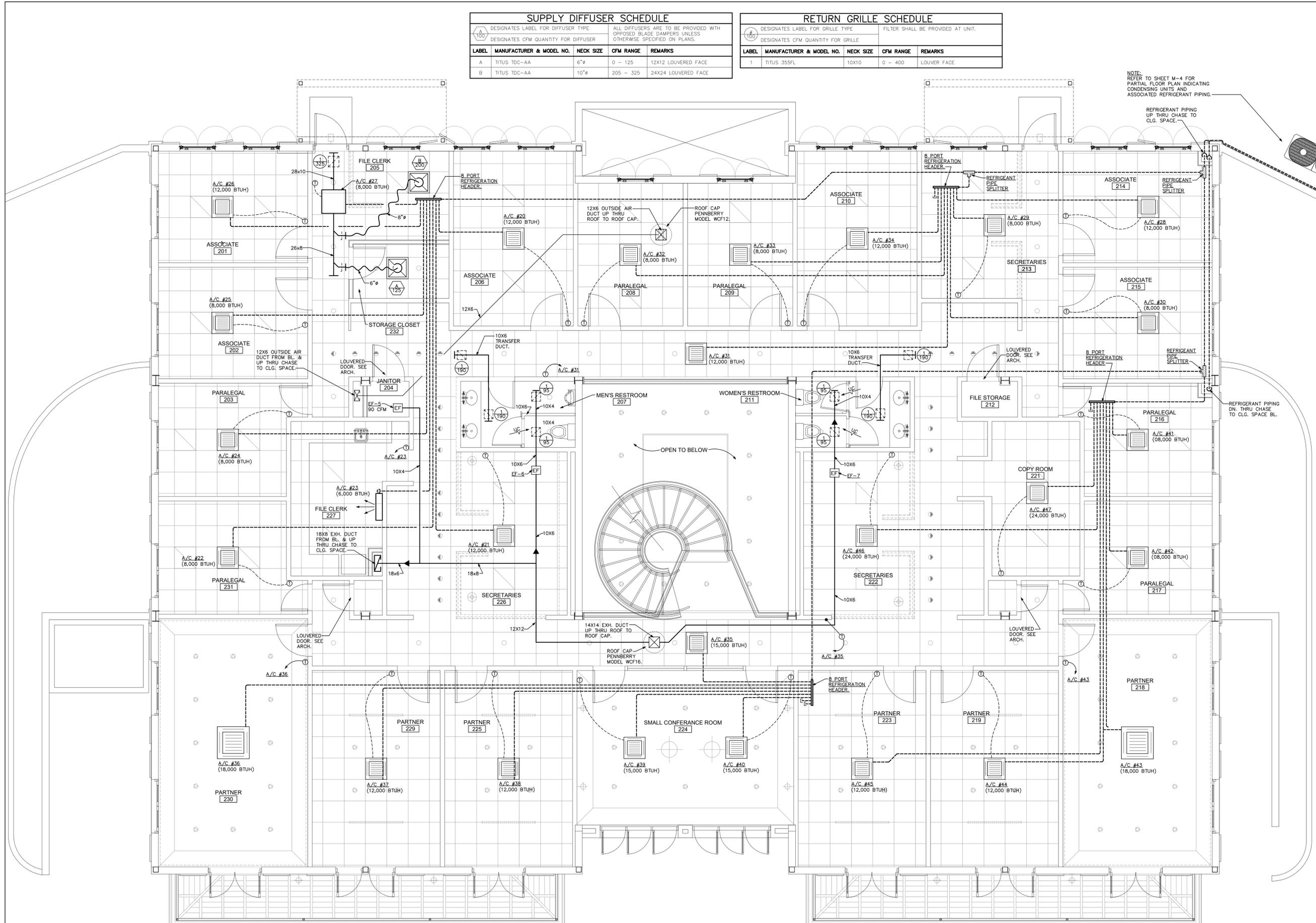


1 FIRST FLOOR PLAN - MECHANICAL
SCALE: 1/4"=1'-0"

M1

SUPPLY DIFFUSER SCHEDULE				
△	DESIGNATES LABEL FOR DIFFUSER TYPE			
100	DESIGNATES CFM QUANTITY FOR DIFFUSER			
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
A	TITUS TDC-AA	6"φ	0 - 125	12X12 LOUVERED FACE
B	TITUS TDC-AA	10"φ	205 - 325	24X24 LOUVERED FACE

RETURN GRILLE SCHEDULE				
⊙	DESIGNATES LABEL FOR GRILLE TYPE			
100	DESIGNATES CFM QUANTITY FOR GRILLE			
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
1	TITUS 355FL	10X10	0 - 400	LOUVER FACE



NOTE:
REFER TO SHEET M-4 FOR
PARTIAL FLOOR PLAN INDICATING
CONDENSING UNITS AND
ASSOCIATED REFRIGERANT PIPING.

1 SECOND FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

CU #1 MITSUBISHI CITY MULTI VRF OUTDOOR UNIT SCHEDULE

System Tag	Tag Reference	Model Number	Nominal Cooling Capacity (BTU/h)	Cooling Efficiency IEER/SEER	Design Cooling Outdoor Temp DB (°F)	Corrected Cooling Total Capacity (BTU/h)	Voltage / Phase	Electrical-Per Module 208/230 or [460V]			Notes / Options
								MCA 208/230	RFS	MOCP	
System 1	CU #1	PUHY-P192TSKMU-A-BS	192,000.0	19.1 / 12.5	95.0	183,057.7	208/230V / 3-phase 3-wire	45/42, 25/23	50, 30	73/67, 42/38	1, 2, 3, 4, 5
Notes & Options:											
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)											
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)											
3 Efficiency values for IEER, SEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.											
4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.											
5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.											

A/C #1-19 - MITSUBISHI CITY MULTI VRF INDOOR UNIT SCHEDULE

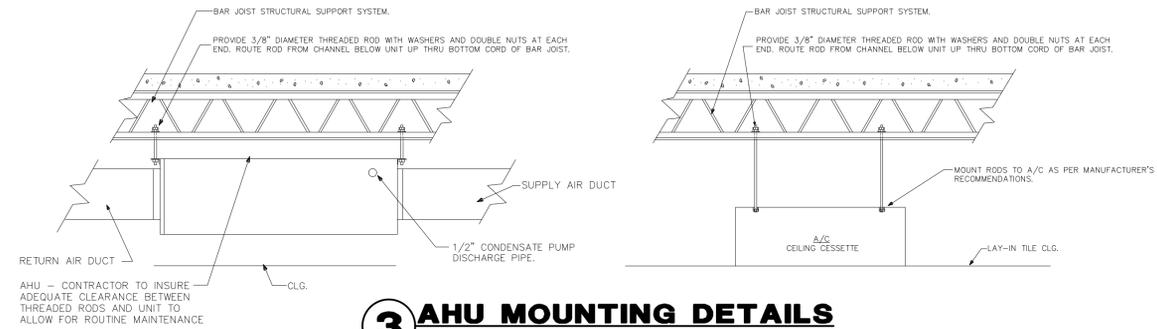
System Tag	Room Name	Tag Reference	Model	Type	Nominal Cooling Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F) / [Water in temp]	Corrected Capacity				Dim Liquid/Suction (inch)	Peak Fan Airflow (cfm) / [Design gpm]	Voltage / Phase	Power Cooling 208V/230V (kW)	Electrical MCA	Notes / Options
							Cooling Diversity Full/Partial	Cooling Total Capacity	Cooling Sensible Capacity	Heating Capacity						
System 1	Associate 111	A/C #01	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	DEMAND	6,537.8	6,002.4	7,570.0	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6
System 1	Paralegal 113	A/C #02	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	DEMAND	6,537.8	6,002.4	7,570.0	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6
System 1	Copy Rm. 112	A/C #03	PKFY-P06NBMU-E2	Wall mounted type	6,000.0	80.0/67.0	DEMAND	4,903.3	3,820.8	5,635.4	1/4 / 1/2	208	208/230V/1-phase	0.03	0.19/0.19	1, 2, 3, 4, 5, 6
System 1	Storage/Files 109	A/C #04	PKFY-P06NBMU-E2	Wall mounted type	6,000.0	80.0/67.0	DEMAND	4,903.3	3,820.8	5,635.4	1/4 / 1/2	208	208/230V/1-phase	0.03	0.19/0.19	1, 2, 3, 4, 5, 6
System 1	Secretaries 110	A/C #05	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	DEMAND	6,537.8	6,002.4	7,570.0	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6
System 1	Lobby 108	A/C #06	PEFY-P36NMHU-E2	Ceiling concealed type (ducted)	36,000.0	80.0/67.0	DEMAND	29,420.0	25,260.7	33,644.4	3/8 / 5/8	1342	208/230V/1-phase	0.620/0.610	4.16(208V)	1, 2, 3, 4, 5, 6
System 1	Break Rm./Toilet Rms	A/C #07	PEFY-P24NMHU-E2	Ceiling concealed type (ducted)	24,000.0	80.0/67.0	DEMAND	19,613.3	14,765.4	22,710.0	3/8 / 5/8	671	208/230V/1-phase	0.330/0.320	2.11(208V)	1, 2, 3, 4, 5, 6
System 1	Firm Adm 100	A/C #08	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	DEMAND	6,537.8	6,002.4	7,570.0	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6
System 1	Assist. Controller 101A	A/C #09	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	DEMAND	6,537.8	6,002.4	7,570.0	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6
System 1	Assist. Controller 101B	A/C #10	PKFY-P06NBMU-E2	Wall mounted type	6,000.0	80.0/67.0	DEMAND	4,903.3	3,820.8	5,635.4	1/4 / 1/2	208	208/230V/1-phase	0.03	0.19	1, 2, 3, 4, 5, 6
System 1	Controller 121	A/C #11	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	DEMAND	6,537.8	6,002.4	7,570.0	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6
System 1	Library 120 Left	A/C #12	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	DEMAND	9,806.7	7,721.4	11,355.0	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6
System 1	Library 120 Right	A/C #13	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	DEMAND	9,806.7	7,721.4	11,355.0	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6
System 1	Corridor	A/C #14	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	DEMAND	6,537.8	6,002.4	7,570.0	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6
System 1	Large Conf. Rm. 118 Left	A/C #15	PLFY-P15NMCU-ER4	Ceiling cassette (4-way airflow) type	15,000.0	80.0/67.0	DEMAND	12,258.3	8,747.5	14,298.9	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6
System 1	Large Conf. Rm. 118 Right	A/C #16	PLFY-P15NMCU-ER4	Ceiling cassette (4-way airflow) type	15,000.0	80.0/67.0	DEMAND	12,258.3	8,747.5	14,298.9	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6
System 1	Partner 116	A/C #17	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	DEMAND	9,806.7	7,721.4	11,355.0	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6
System 1	Partner 115	A/C #18	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	DEMAND	9,806.7	7,721.4	11,355.0	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6
System 1	Partner 114	A/C #19	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	DEMAND	9,806.7	7,721.4	11,355.0	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6
Notes & Options:																
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)																
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)																
3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities																
4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.																
5 Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system. Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply. It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.																
6 It is recommended to always base heating corrected capacity on full demand.																

CU #2 - MITSUBISHI CITY MULTI VRF OUTDOOR UNIT SCHEDULE

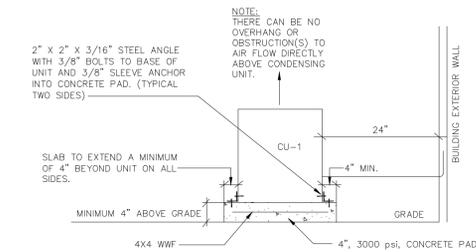
System Tag	Tag Reference	Model Number	Nominal Cooling Capacity (BTU/h)	Cooling Efficiency IEER/SEER	Design Cooling Outdoor Temp DB (°F)	Corrected Cooling Total Capacity (BTU/h)	Voltage / Phase	Electrical-Per Module 208/230 or [460V]			Notes / Options
								MCA 208/230	RFS	MOCP	
System 1	CU #2	PUHY-P240TSKMU-A-BS	240,000.0	18.1 / 12	95.0	223,646.0	208/230V / 3-phase 3-wire	45/42, 45/42	50, 50	73/67, 73/67	1, 2, 3, 4, 5
Notes & Options:											
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)											
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)											
3 Efficiency values for IEER, SEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.											
4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.											
5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.											

A/C #20-47 - MITSUBISHI CITY MULTI VRF INDOOR UNIT SCHEDULE

System Tag	Room Name	Tag Reference	Model	Type	Nominal Cooling Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F) / [Water in temp]	Corrected Capacity				Refrig Pipe Dim Liquid/Suction (inch)	Peak Fan Airflow (cfm)	Voltage / Phase	Power Cooling 208V/230V (kW)	Electrical MCA/MFS	Notes / Options
							Cooling Diversity Full/Partial	Cooling Total Capacity	Cooling Sensible Capacity	Heating Capacity						
System 1	Assoc. 206	A/C #20	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,270.4	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Secretaries 226	A/C #21	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,270.4	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Paralegal 231	A/C #22	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	FULL DEMAND	5,753.0	5,715.8	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6	
System 1	File Clerk 227	A/C #23	PKFY-P06NBMU-E2	Wall mounted type	6,000.0	80.0/67.0	FULL DEMAND	4,314.7	3,944.5	1/4 / 1/2	208	208/230V/1-phase	0.03	0.19	1, 2, 3, 4, 5, 6	
System 1	Paralegal 203	A/C #24	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	FULL DEMAND	5,753.0	5,715.8	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6	
System 1	Associate 202	A/C #25	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	FULL DEMAND	5,753.0	5,715.8	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6	
System 1	Associate 201	A/C #26	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,270.4	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	File Clerk 205	A/C #27	PEFY-P12NMHU-E2	Ceiling concealed type (ducted)	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,011.3	1/4 / 1/2	371	208/230V/1-phase	0.09	1.20(208V)	1, 2, 3, 4, 5, 6	
System 1	Associate 214	A/C #28	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,270.4	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Secretaries 213	A/C #29	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	FULL DEMAND	5,753.0	5,715.8	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6	
System 1	Associate 215	A/C #30	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	FULL DEMAND	5,753.0	5,715.8	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6	
System 1	Corridor	A/C #31	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,270.4	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Paralegal 208	A/C #32	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	FULL DEMAND	5,753.0	5,715.8	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6	
System 1	Paralegal 209	A/C #33	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	FULL DEMAND	5,753.0	5,715.8	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6	
System 1	Associate 210	A/C #34	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,270.4	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Corridor 2	A/C #35	PLFY-P15NMCU-ER4	Ceiling cassette (4-way airflow) type	15,000.0	80.0/67.0	FULL DEMAND	10,786.8	8,156.5	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Partner 230	A/C #36	PLFY-P18NBMU-E2	Ceiling cassette (4-way airflow) type	18,000.0	80.0/67.0	FULL DEMAND	12,944.1	11,694.7	3/8 / 1/2	636	208/230V/1-phase	0.04	0.64	1, 2, 3, 4, 5, 6	
System 1	Partner 229	A/C #37	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,270.4	3/8 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Partner 225	A/C #38	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,270.4	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Small Conf. Rm. Left	A/C #39	PLFY-P15NMCU-ER4	Ceiling cassette (4-way airflow) type	15,000.0	80.0/67.0	FULL DEMAND	10,786.8	8,156.5	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Right	A/C #40	PLFY-P15NMCU-ER4	Ceiling cassette (4-way airflow) type	15,000.0	80.0/67.0	FULL DEMAND	10,786.8	8,156.5	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Paralegal 216	A/C #41	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	FULL DEMAND	5,753.0	5,715.8	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6	
System 1	Paralegal 217	A/C #42	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	FULL DEMAND	5,753.0	5,715.8	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6	
System 1	Partner 218	A/C #43	PLFY-P18NBMU-E2	Ceiling cassette (4-way airflow) type	18,000.0	80.0/67.0	FULL DEMAND	12,944.1	11,694.7	1/4 / 1/2	636	208/230V/1-phase	0.04	0.64	1, 2, 3, 4, 5, 6	
System 1	Partner 219	A/C #44	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,270.4	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Partner 223	A/C #45	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,270.4	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Secretaries 222	A/C #46	PLFY-P12NMCU-ER4	Ceiling cassette (4-way airflow) type	12,000.0	80.0/67.0	FULL DEMAND	8,629.4	7,270.4	1/4 / 1/2	390	208/230V/1-phase	0.06	0.35	1, 2, 3, 4, 5, 6	
System 1	Copy Room 221	A/C #47	PLFY-P08NMCU-ER4	Ceiling cassette (4-way airflow) type	8,000.0	80.0/67.0	FULL DEMAND	5,753.0	5,715.8	1/4 / 1/2	350	208/230V/1-phase	0.05	0.29	1, 2, 3, 4, 5, 6	
Notes & Options:																
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)																
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)																
3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities																
4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.																
5 Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system. Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply. It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.																
6 It is recommended to always base heating corrected capacity on full demand																



3 AHU MOUNTING DETAILS
NO SCALE



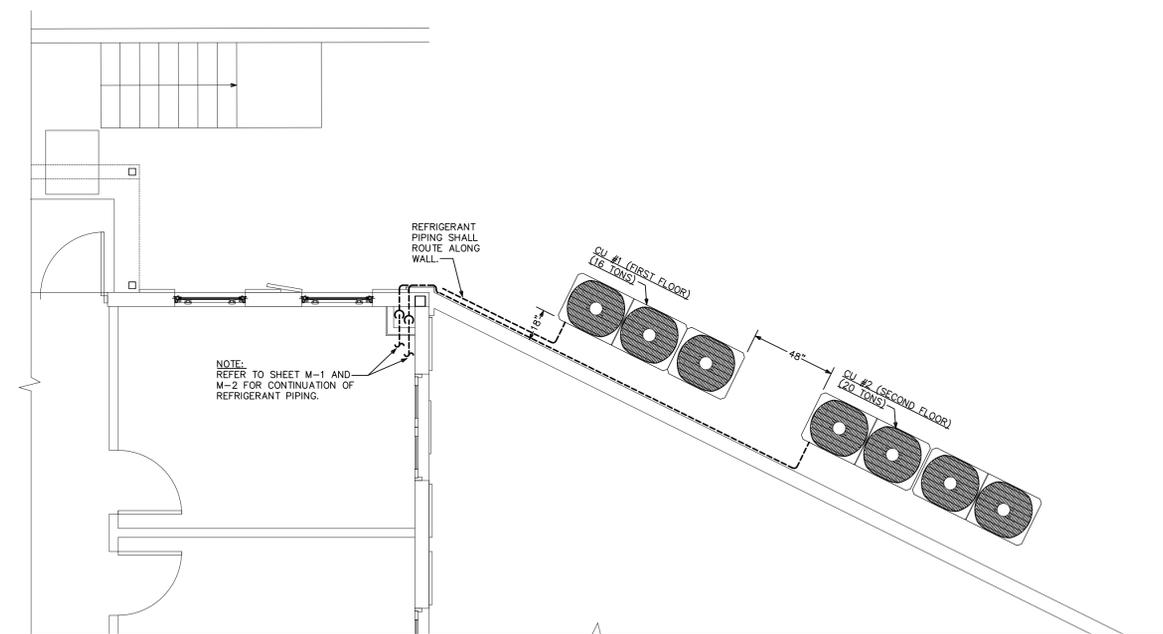
2 COND. UNIT MTG. DETAIL
NO SCALE

FAN SCHEDULE										
LABEL	TYPE OF UNIT - AREA SERVED	MANUFACTURER & MODEL NO.	CFM	SP	MOUNTING ARRANGEMENT	MOTOR H.P.	ENCLOSURE TYPE	RPM	VOLTAGE	NOTES
EF-1,2,5	CABINET FAN - REFER TO PLANS	PENN ZEPHYR Z6	90	.125"	CEILING MOUNTED	50 WATTS	OPEN DRIP PROOF	1055	115V/1Ø	1
EF-3,4,6,7	CABINET FAN - REFER TO PLANS	PENN ZEPHYR Z6H (TDA)	190	.125"	INLINE	108 WATTS	OPEN DRIP PROOF	1550	115V/1Ø	1

NOTES: 1.) REFER TO ELECTRICAL PLANS FOR CONTROL.

CU #3 - MITSUBISHI CITY MULTI VRF OUTDOOR UNIT SCHEDULE										
System Tag	Tag Reference	Model Number	Nominal Cooling Capacity (BTU/h)	Cooling Efficiency SEER	Design Cooling Outdoor Temp (DB) (°F)	Corrected Cooling Total Capacity (BTU/h)	Voltage / Phase	Electrical-Per Module		Notes / Options
								MCA 208	MOCP	
System 1	CU #3	PUY-A18NHA4-BS	18,000.0	15.3	95.0	18,078.8	208/1phase	13A	20A	1, 2, 3, 4, 5
Notes & Options:										
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB).										
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB).										
3 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.										
4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.										
5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.										

A/C #48 - MITSUBISHI CITY MULTI VRF INDOOR UNIT SCHEDULE													
System Tag	Room Name	Tag Reference	Model	Type	Nominal Cooling Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F)	Corrected Capacity			Refrig Pipe Dim Liquid/Suction (inch)	Peak Fan Airflow (cfm)	Electrical MCA/MFS	Notes / Options
							Cooling Diversity Full/Partial	Cooling Total Capacity	Cooling Sensible Capacity				
System 1	Server Room	A/C #48	PKA-A18HA4	Wall mounted type	18,000.0	80.0/67.0	FULL DEMAND	18,078.8	12,268.4	1/2 / 1/4	425	Powered by Outdoor	1, 2, 3, 4, 5, 6
Notes & Options:													
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB).													
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB).													
3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities.													
4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.													
5 Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system. Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply. It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.													
6 It is recommended to always base heating corrected capacity on full demand.													



1 PART. SECOND FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

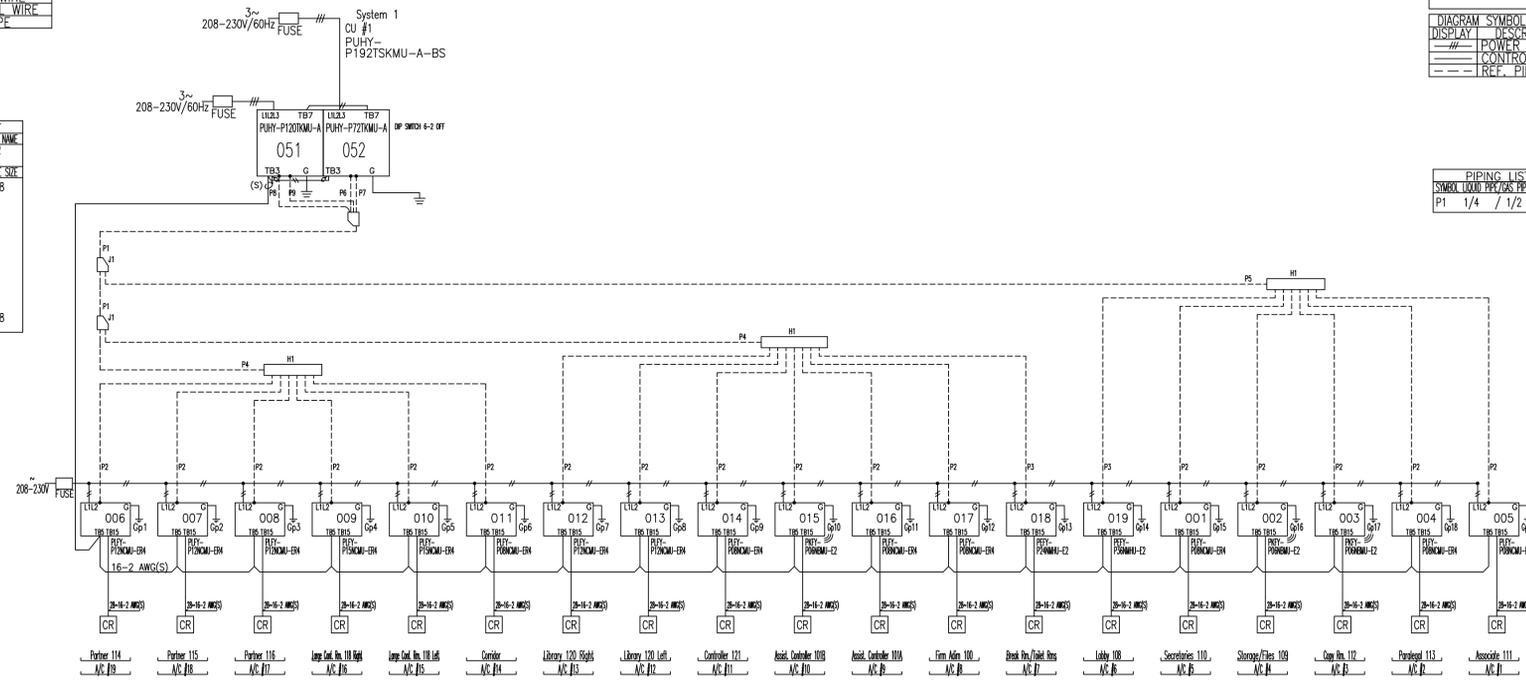
DUDLEY, TOPPER & FEUERZEIG, LLP

CITY MULTI
SYSTEM SCHEMATIC DWG.

Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm(1/8 AWG) : 1.25mm(1/8 AWG) or more. 0.75mm(20 AWG) : between 0.5mm(24 AWG) and 0.75mm(20 AWG).

DIAGRAM SYMBOL LEGEND	CONT.No	PAGE
--- POWER WIRE		
--- CONTROL WIRE		
--- REF. PIPE		

PIPING LIST
SYMBOL BRANCH PIPE MODEL NAME
J1 CMY-Y202S-G2
H1 CMY-Y108C-G
SYMBOL LIQUID PIPING PIPE SIZE
P1 5/8 / 1-1/8
P2 1/4 / 1/2
P3 3/8 / 5/8
P4 3/8 / 7/8
P5 3/8 / 3/4
P6 3/8 /
P7 / 7/8
P8 1/2 /
P9 / 1-1/8



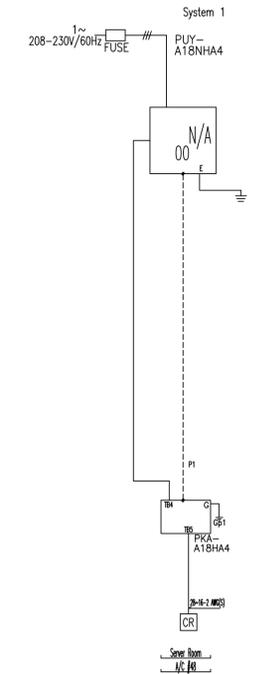
SYSTEM #1 (ICU #1 - A/C #1 - 19)

CITY MULTI
SYSTEM SCHEMATIC DWG.

Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm(1/8 AWG) : 1.25mm(1/8 AWG) or more. 0.75mm(20 AWG) : between 0.5mm(24 AWG) and 0.75mm(20 AWG).

DIAGRAM SYMBOL LEGEND	CONT.No	PAGE
--- POWER WIRE		
--- CONTROL WIRE		
--- REF. PIPE		

PIPING LIST
SYMBOL LIQUID PIPING PIPE SIZE
P1 1/4 / 1/2



SYSTEM #3 (ICU #3 - A/C #48)

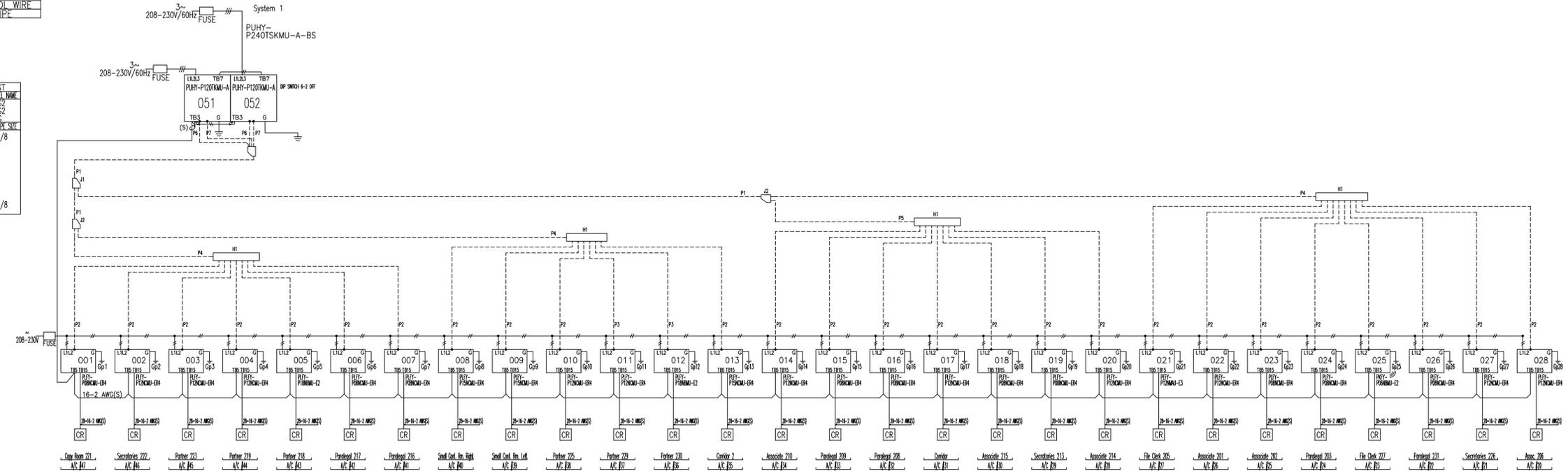
DUDLEY, TOPPER & FEUERZEIG, LLP

CITY MULTI
SYSTEM SCHEMATIC DWG.

Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm(1/8 AWG) : 1.25mm(1/8 AWG) or more. 0.75mm(20 AWG) : between 0.5mm(24 AWG) and 0.75mm(20 AWG).

DIAGRAM SYMBOL LEGEND	CONT.No	PAGE
--- POWER WIRE		
--- CONTROL WIRE		
--- REF. PIPE		

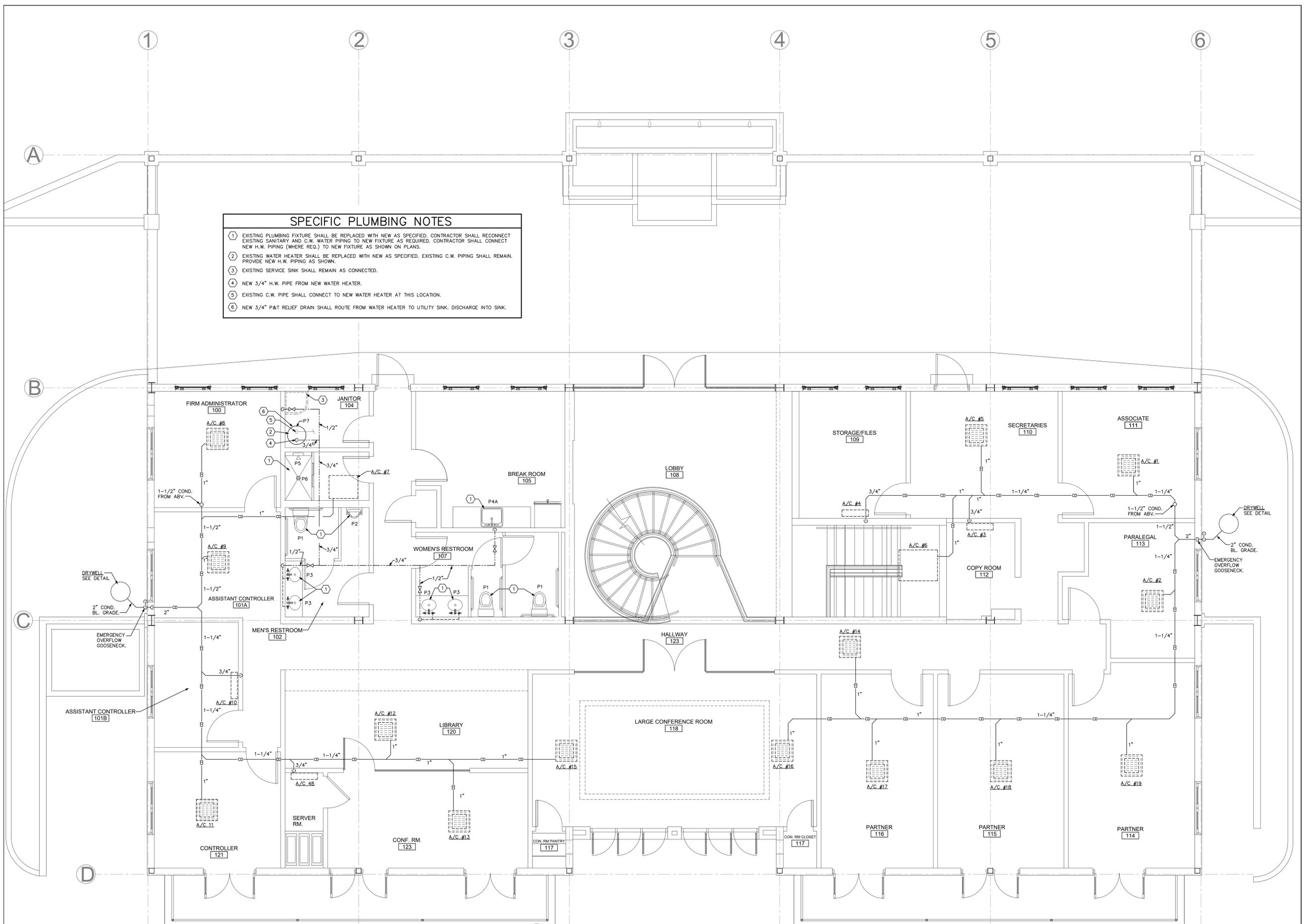
PIPING LIST
SYMBOL BRANCH PIPE MODEL NAME
J1 CMY-Y302S-G2
J2 CMY-Y202S-G2
H1 CMY-Y108C-G
SYMBOL LIQUID PIPING PIPE SIZE
P1 5/8 / 1-1/8
P2 1/4 / 1/2
P3 3/8 / 1/2
P4 3/8 / 7/8
P5 3/8 / 3/4
P6 1/2 /
P7 / 1-1/8



SYSTEM #2 (ICU #2 - A/C #20 - 47)

M5

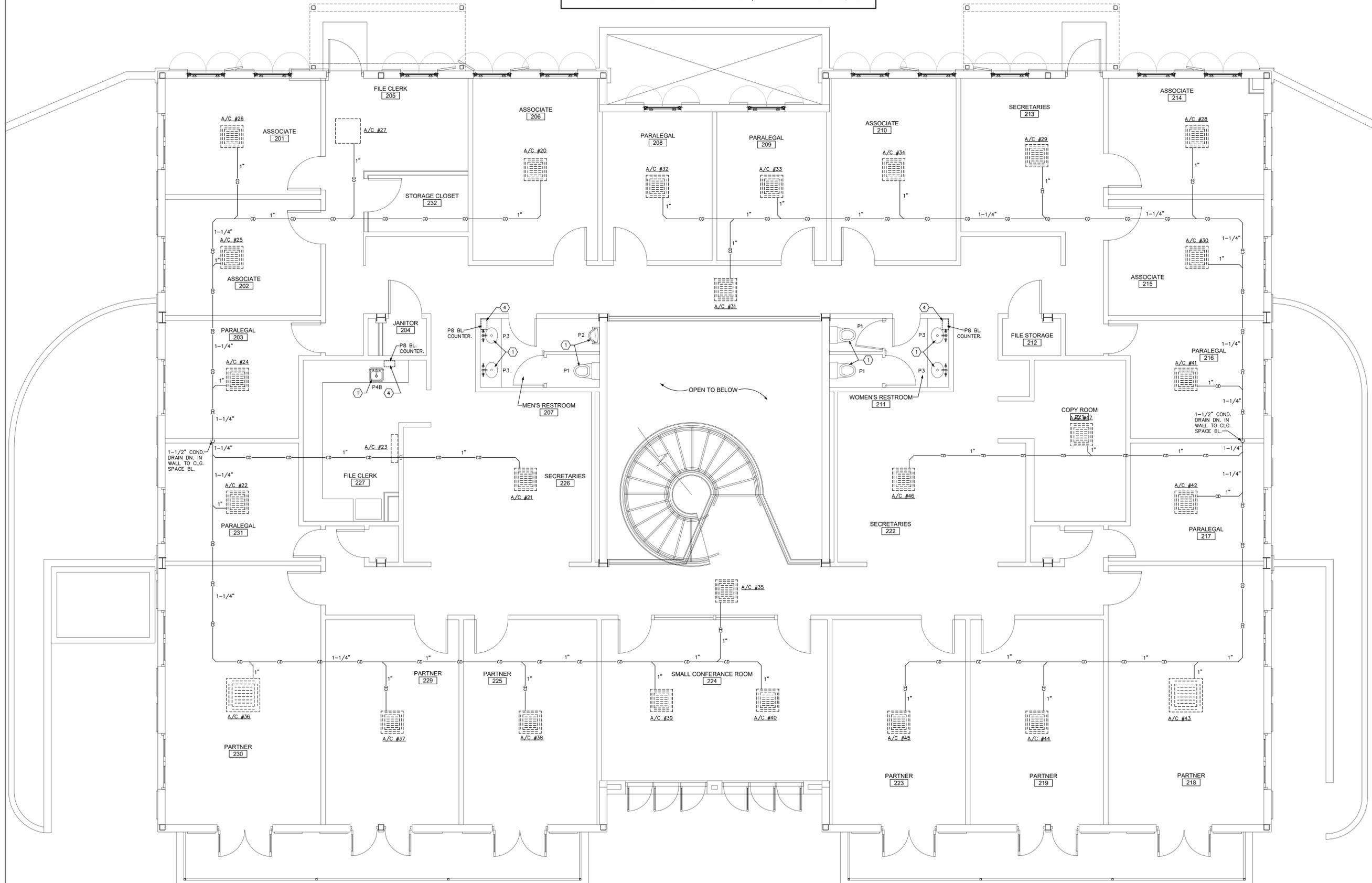
- SPECIFIC PLUMBING NOTES**
- ① EXISTING PLUMBING FIXTURE SHALL BE REPLACED WITH NEW AS SPECIFIED. CONTRACTOR SHALL RECONNECT EXISTING SANITARY AND C.W. WATER PIPING TO NEW FIXTURE AS REQUIRED. CONTRACTOR SHALL CONNECT NEW H.W. PIPING (WHERE REQ.) TO NEW FIXTURE AS SHOWN ON PLANS.
 - ② EXISTING WATER HEATER SHALL BE REPLACED WITH NEW AS SPECIFIED. EXISTING C.W. PIPING SHALL REMAIN. PROVIDE NEW H.W. PIPING AS SHOWN.
 - ③ EXISTING SERVICE SINK SHALL REMAIN AS CONNECTED.
 - ④ NEW 3/4" H.W. PIPE FROM NEW WATER HEATER.
 - ⑤ EXISTING C.W. PIPE SHALL CONNECT TO NEW WATER HEATER AT THIS LOCATION.
 - ⑥ NEW 3/4" P&T RELIEF DRAIN SHALL ROUTE FROM WATER HEATER TO UTILITY SINK. DISCHARGE INTO SINK.



1 FIRST FLOOR PLAN - PLUMBING
SCALE: 1/4"=1'-0"

SPECIFIC PLUMBING NOTES

- ① EXISTING PLUMBING FIXTURE SHALL BE REPLACED WITH NEW AS SPECIFIED. CONTRACTOR SHALL RECONNECT EXISTING SANITARY AND WATER PIPING TO NEW FIXTURE AS REQUIRED.
- ② EXISTING WATER HEATER SHALL REMAIN AS CONNECTED.
- ③ EXISTING SERVICE SINK SHALL REMAIN AS CONNECTED.
- ④ NEW INSTA-HOT TANKLESS WATER HEATER AS SPECIFIED MOUNTED BELOW COUNTER. CONTRACTOR SHALL CONNECT EXIST. C.W. TO NEW WATER HEATER AND ROUTE NEW 1/2" H.W. PIPE TO FIXTURES AS REQUIRED.



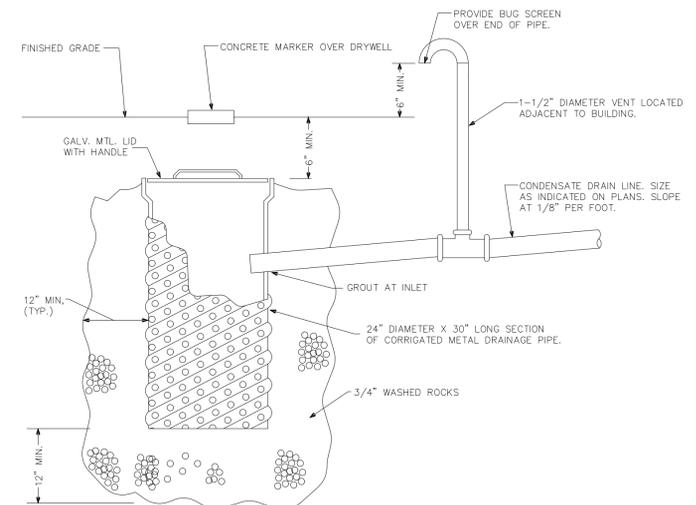
1 SECOND FLOOR PLAN - PLUMBING
SCALE: 1/4"=1'-0"

GENERAL PLUMBING NOTES

- DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, EQUIPMENT, ETC.. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION. CONTRACTOR IS RESPONSIBLE TO INSTALL ALL FIXTURES AND EQUIPMENT IN STRICT COMPLIANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. THIS REQUIREMENT IS TO SUPERSEDE ANY DETAILS OR INFORMATION CONTAINED ON THESE DRAWINGS.
- ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL, STATE, AND ALL LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
- THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. ALL EXECUTION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
- ALL MATERIAL SHALL BE NEW.
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
- ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OR PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- THE PLUMBING CONTRACTOR SHALL SECURE AND PAY ALL PERMIT FEES, INSPECTIONS, AND TESTS.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) ONE YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- VERIFY LOCATION, SIZE AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- ALL FIXTURES SHALL BE PROVIDED WITH READILY ACCESSIBLE STOPS.
- ALL BELOW FLOOR SLAB WATER PIPING SHALL BE FLEXIBLE "TEMPRITE PEX (CROSS-LINKED POLYETHYLENE)" INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS FOUND HERE: WWW.LUBRIZOL.COM. ALL ABOVE SLAB WATER PIPING SHALL BE "FLOWGUARD GOLD CPVC" INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS FOUND HERE: WWW.FLOWGUARDGOLD.COM. ALL WATER PIPING AS SPECIFIED OR APPROVED EQUAL. ALL 2" WATER PIPING SHALL BE TYPE "L" COPPER AND TYPE "K" COPPER FOR 2 1/2" AND LARGER. (OR APPROVED EQUAL)
- SOIL, WASTES AND VENT PIPING SHALL BE PVC #40 DMY. WASTE AND VENT PIPING ABOVE SLAB SHALL BE PVC. IF APPROVED BY LOCAL AUTHORITIES HAVING JURISDICTION, OTHERWISE CAST IRON. PVC SHALL NOT BE INSTALLED IN A/C RETURN AIR PLENUM OR PENETRATE FIRE RATED WALLS OR FLOORS.
- AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE PVC #40 OR COPPER DRAIN WASTE AND BENT PIPE AND FITTINGS. INSULATE ALL CONDENSATE PIPING EXCEPT EXTERIOR PIPING. INSTALL ALL CONDENSATE PIPING FOR AIR CONDITIONING UNITS AS REQUIRED PER LOCAL CODES.
- FURNISH AND INSTALL APPROVED WATER HAMMER ARRESTORS AT EACH GROUP OF FIXTURES. INSTALLATION OF WATER HAMMER ARRESTORS SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE AND INSTALL AN APPROVED WATER HAMMER ARRESTOR AT EACH FIXTURE OR DEVICE THAT HAS A SOLENOID WATER CONTROL VALVE.
- PROVIDE CHROME PLATED COMBINATION COVERED PLATE AND CLEANOUT PLUG FOR ALL WALL CLEANOUTS, JOSAM 58890.
- INSULATE LINES AS FOLLOWS:
 - 1-1/2" THICK ARMAFLEX PREFORMED INSULATION SHALL BE PROVIDED ON BOTH C.W. & H.W. WHEN PIPING IS LOCATED OUTSIDE OF THE INSULATED BUILDING ENVELOPE.
 - 1-1/2" THICK ARMAFLEX PREFORMED INSULATION SHALL BE PROVIDED ON HW PIPING & H.W. RECIRC. PIPING, ONLY WHEN THERE IS A H.W. RECIRCULATING PIPING SYSTEM.
 - CONDENSATE PIPING: 1/2" THICK ARMAFLEX PREFORMED OR APPROVED EQUAL.

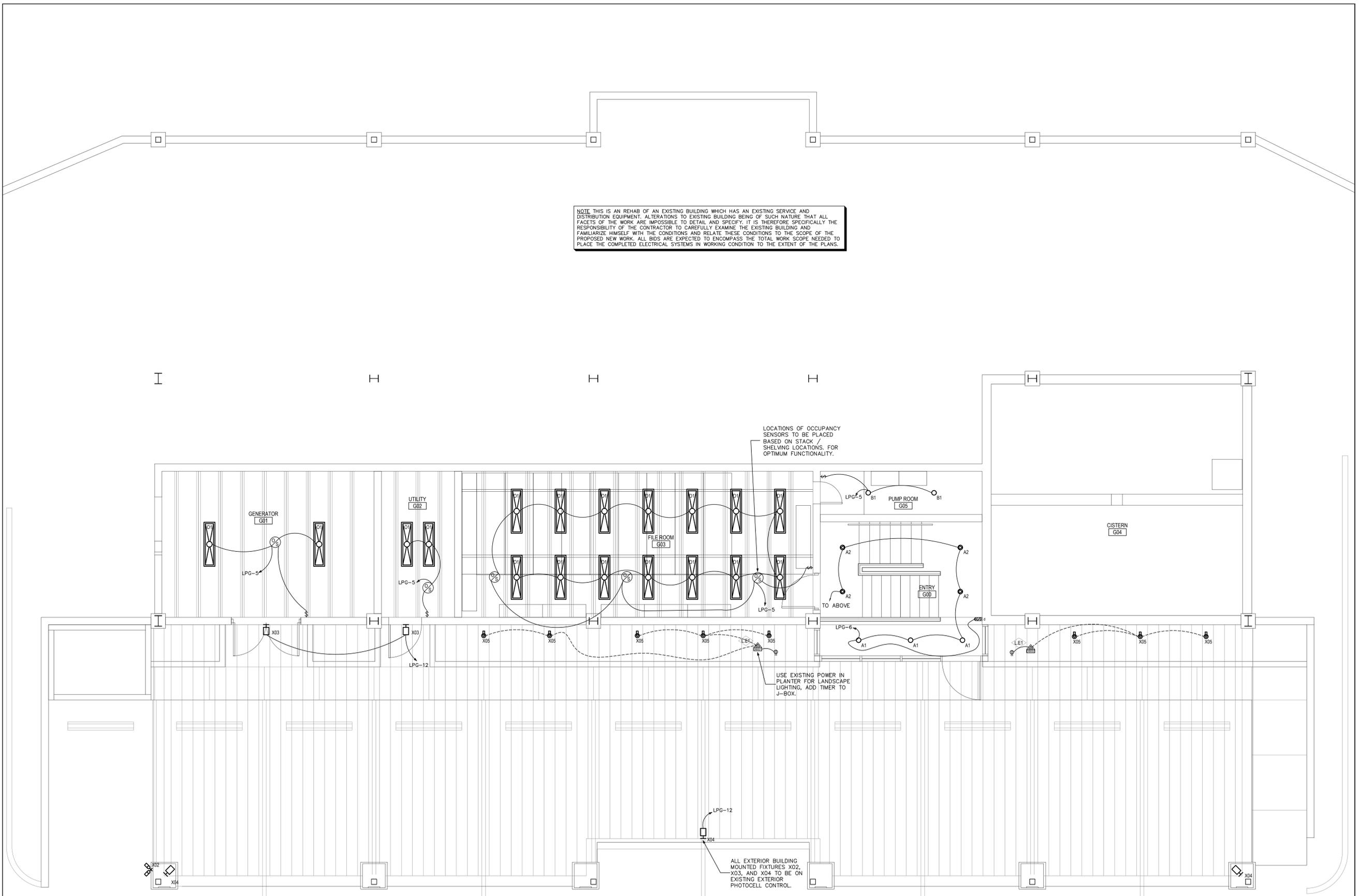
PLUMBING FIXTURE SCHEDULE

<p>P-1 (HANDICAPPED FLOOR MOUNTED FLUSH TANK WATER CLOSET) SHALL BE AN AMERICAN STANDARD MODEL 270AA.001 CADET 3 RIGHT HEIGHT ELONGATED 1.6 GPF TOILET, VITREOUS CHINA, CADET FLUSHING SYSTEM, TANK TYPE, FLOOR MOUNTED, FLOOR OUTLET, WITH AMERICAN STANDARD OPEN FRONT SEAT WITH COVER MODEL 5325.024. * http://www.americanstandard-us.com/assets/documents/amstd/spec/SpecSheet_6117.pdf</p>
<p>P-2 (HANDICAPPED URINAL AND FLUSH VALVE) SHALL BE AN AMERICAN STANDARD WASHBROOK MODEL 6501.511 3/4" TOP SPUD, 1.0 GPF. URINAL INCLUDES AMERICAN STANDARD MANUAL FLUSH VALVE MODEL 6045.102 FOR 3/4" TOP SPUD URINAL. * http://www.americanstandard-us.com/assets/documents/amstd/spec/SpecSheet_4875.pdf * http://www.americanstandard-us.com/assets/documents/amstd/spec/SpecSheet_4085.pdf</p>
<p>P-3 (HANDICAPPED LAVATORY COUNTER WITH BUILT IN LAV AND FAUCET) SHALL BE AN MTI PETRA COUNTER-SINK 9 WITH TWO BOWLS SEAMLESSLY INTEGRATED WITH COUNTER. COORDINATE FINAL SPECIFICATIONS OF COUNTER AND FAUCETS WITH ARCH./OWNER PRIOR TO CONSTRUCTION. * http://mtibaths.com/products/sinks/counter-sinks/MTC5-809/</p>
<p>P-4A (HANDICAPPED SINGLE BOWL STAINLESS STEEL SINK) SHALL BE A "JUST" MODEL US-1821-A-18 GA, 21"x18" SINGLE BOWL, SEAMLESS DIE-DRAWN CONSTRUCTION OF TYPE 304, 18-8 STAINLESS STEEL. INTERIOR AND TOP SURFACES POLISHED TO A NONPOROUS HAND-BLENDED JUST FINISH WITH HIGHLIGHTED BOWL RIM. FULLY COATED UNDERSIDE INSULATED FOR SOUND AND REDUCES CONDENSATION. STRAIGHT-SIDED COMPARTMENT WITH RADIUS CORNERS PROVIDES GREATER CAPACITY. SELF-RIMMING TOP MOUNT GRIP-RIM PLUS WITH STAINLESS STEEL MOUNTING CHANNELS. CONFORMS TO ASME/ANSI A112.19.3M. CERTIFIED CONFORMANCE WITH ASME A112.19.3/CSA B45.4. FAUCET SHALL BE A "JUST" MODEL J-1174-KS. * http://sinks.justmfg.com/PDF/US1821A.pdf</p>
<p>P-4B (HANDICAPPED SINGLE BOWL STAINLESS STEEL SINK) SHALL BE A "JUST" MODEL US-1818-A-18 GA, 18"x18" SINGLE BOWL, SEAMLESS DIE-DRAWN CONSTRUCTION OF TYPE 304, 18-8 STAINLESS STEEL. INTERIOR AND TOP SURFACES POLISHED TO A NONPOROUS HAND-BLENDED JUST FINISH WITH HIGHLIGHTED BOWL RIM. FULLY COATED UNDERSIDE INSULATED FOR SOUND AND REDUCES CONDENSATION. STRAIGHT-SIDED COMPARTMENT WITH RADIUS CORNERS PROVIDES GREATER CAPACITY. SELF-RIMMING TOP MOUNT GRIP-RIM PLUS WITH STAINLESS STEEL MOUNTING CHANNELS. CONFORMS TO ASME/ANSI A112.19.3M. CERTIFIED CONFORMANCE WITH ASME A112.19.3/CSA B45.4. FAUCET SHALL BE A "JUST" MODEL J-1174-KS. * http://sinks.justmfg.com/PDF/US1821A.pdf</p>
<p>P-5 (HANDICAPPED SHOWER MIXING VALVE) SHOWER SHALL INCLUDE AN SPEAKMAN MODEL SM-5040. SENTINELPRO SHOWER SYSTEM INCLUDES SENTINELPRO CONCEALED ANTI-SCALD THERMOSTATIC/PRESSURE BALANCING SHOWER VALVE & COMBINATION. CHROME PLATED BRASS WALL PLATE. CHROME PLATED METAL LEVER HANDLE. ADJUSTABLE TEMPERATURE LIMIT STOP (T.L.S), FACTORY SET @ 110 F. BRASS BODY WITH INTEGRAL SPRING CHECK STOPS. DUAL ELEMENT THERMOSTATIC/PRESSURE BALANCING CARTRIDGE. FOUR PORT VALVE WITH 1/2" FEMALE COPPER SWEAT INLETS AND SHOWER OUTLET. 1/2" NPT FEMALE TUB OUTLET. FURNISHED WITH 1/2" PIPE PLUG. CHROME PLATED BRASS SUPPLY ELL WITH WALL FLANGE. 69" SQUARE LOCK STAINLESS STEEL HOSE WITH RUBBER LINER. SWIVEL CONNECTOR. IN-LINE VACUUM BREAKER. 30" CHROME PLATED BRASS SLIDE BAR WITH MOUNTING SCREWS. VS-100-AF HANDSHOWER WITH FLOW CONTROL DEVICE REDUCES FLOW TO 2.5 GPM. * http://www.speckmancompany.com/products/detail/SM-5040 SHOWER STALL COORDINATE FINAL SPECIFICATIONS OF SHOWER STALL WITH ARCHITECT/ OWNER PRIOR TO BID.</p>
<p>P-6 SHOWER DRAIN SHALL BE A JOSAM MODEL FD-200-4CP, 2"Ø PIPE CONNECTION, 4"Ø DRAIN TOP. * http://www.josam.com/images/psamnk1/sbmt1/s06_FD-200-4CP.pdf</p>
<p>P-7 (WATER HEATER - MEDIUM DUTY - TALL MODEL) SHALL BE A LOCHINVAR MODEL KT040K0, 40 GALLON GLASSUNED STORAGE TANK. TALL TANK TYPE WATER HEATER WITH (2) - 4.5 KW ELECTRIC ELEMENTS WIRED FOR NON-CONCURRENT INDEPENDENT OPERATION AT 208 VOLTS, SINGLE PHASE INCOMING POWER. 3 YEAR LIMITED WARRANTY ON STORAGE TANK AGAINST TANK FAILURE. WATER HEATER SHALL MEET OR EXCEED ALL APPLICABLE SECTIONS OF ASHRAE STANDARD 90-90A AND NAECA REQUIREMENTS FOR ENERGY CONSERVATION. * http://www.lochinvar.com/_linetiles/RE-21.pdf</p>
<p>P-8 (INSTA-HOT WATER HEATER BELOW LAVATORY) WATER HEATER SHALL BE A "CHRONOMITE" MODEL SR-20L/208, 4.1 KW TANKLESS WATER HEATER @ 208V/1Ø, 20 AMPS. * http://www.chronomite.com/uploads/filelibrary/InstantFlowSRLowFlow-IFSRLF.PDF</p>
<p>NOTES: 1.) ALL PLUMBING FIXTURES SHALL BE AS SPECIFIED OR APPROVED EQUAL. 2.) PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUT-OFF.</p>



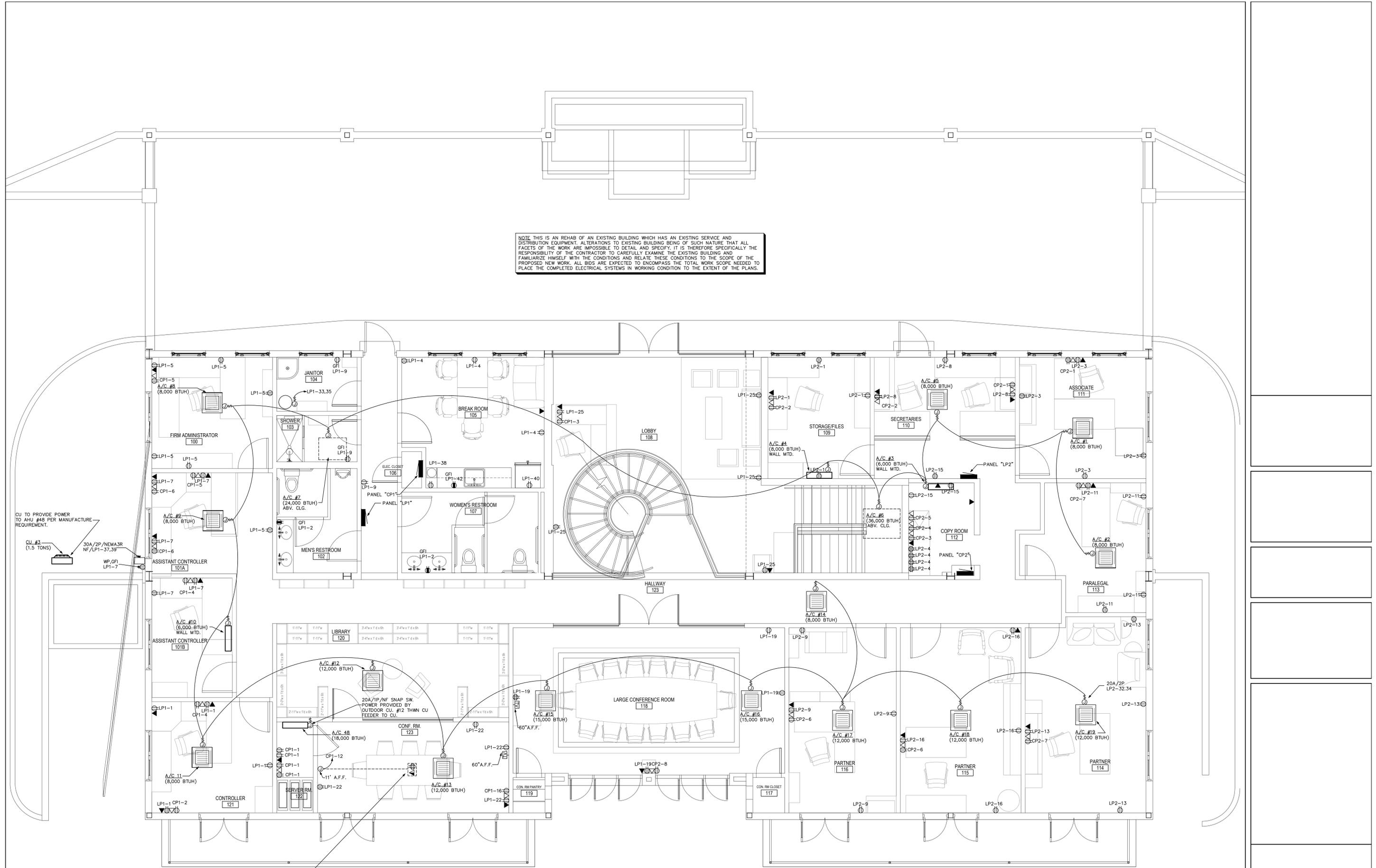
1 DRYWELL DETAIL
NO SCALE

NOTE THIS IS AN REHAB OF AN EXISTING BUILDING WHICH HAS AN EXISTING SERVICE AND DISTRIBUTION EQUIPMENT. ALTERATIONS TO EXISTING BUILDING BEING OF SUCH NATURE THAT ALL FACETS OF THE WORK ARE IMPOSSIBLE TO DETAIL AND SPECIFY. IT IS THEREFORE SPECIFICALLY THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE EXISTING BUILDING AND FAMILIARISE HIMSELF WITH THE CONDITIONS AND RELATE THESE CONDITIONS TO THE SCOPE OF THE PROPOSED NEW WORK. ALL BIDS ARE EXPECTED TO ENCOMPASS THE TOTAL WORK SCOPE NEEDED TO PLACE THE COMPLETED ELECTRICAL SYSTEMS IN WORKING CONDITION TO THE EXTENT OF THE PLANS.



1 **GROUND FLOOR PLAN - ELECTRICAL**
SCALE: 1/4"=1'-0"

NOTE: THIS IS A REHAB OF AN EXISTING BUILDING WHICH HAS AN EXISTING SERVICE AND DISTRIBUTION EQUIPMENT. ALTERATIONS TO EXISTING BUILDING BEING OF SUCH NATURE THAT ALL FACETS OF THE WORK ARE IMPOSSIBLE TO DETAIL AND SPECIFY. IT IS THEREFORE SPECIFICALLY THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH THE CONDITIONS AND RELATE THESE CONDITIONS TO THE SCOPE OF THE PROPOSED NEW WORK. ALL BIDS ARE EXPECTED TO ENCOMPASS THE TOTAL WORK SCOPE NEEDED TO PLACE THE COMPLETED ELECTRICAL SYSTEMS IN WORKING CONDITION TO THE EXTENT OF THE PLANS.



CU TO PROVIDE POWER TO AHU #48 PER MANUFACTURE REQUIREMENT.

CU #3 (1.5 TONS)

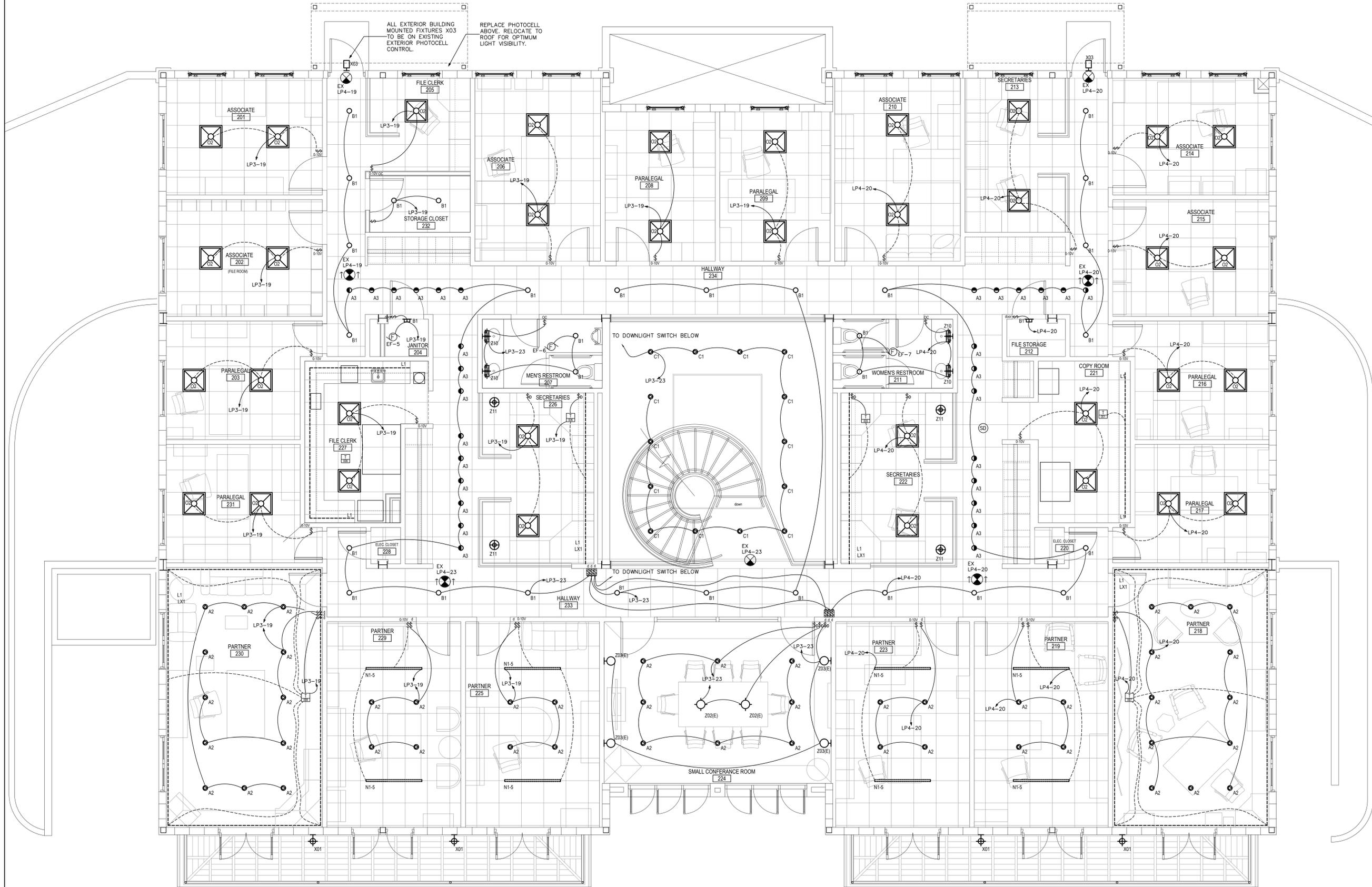
30A/2P/NEMA3R NF/LP1-37,39

WP,GF1 LP1-7

POWER AND DATA COMBINATION USE VILLA SERIES OR EQUAL PS-I-144 DUPLEX RECEPTACLE TC-KS01-BK CAT 5 JACK TC-KS06-BL USB PORT IN-EC

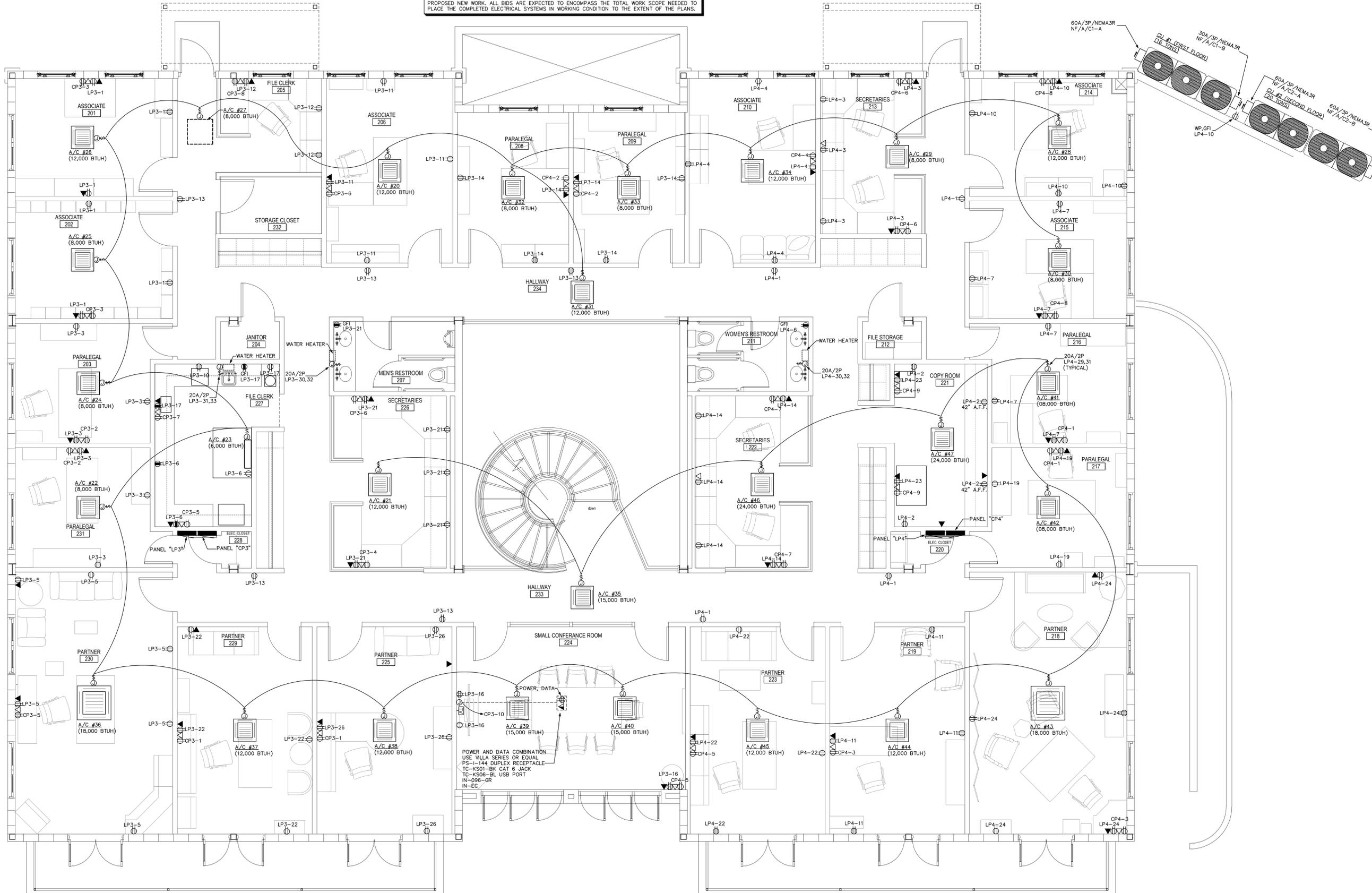
3 FIRST FLOOR PLAN - POWER
SCALE: 1/4"=1'-0"

NOTE: THIS IS AN REHAB OF AN EXISTING BUILDING WHICH HAS AN EXISTING SERVICE AND DISTRIBUTION EQUIPMENT. ALTERATIONS TO EXISTING BUILDING BEING OF SUCH NATURE THAT ALL FACETS OF THE WORK ARE IMPOSSIBLE TO DETAIL AND SPECIFY. IT IS THEREFORE SPECIFICALLY THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH THE CONDITIONS AND RELATE THESE CONDITIONS TO THE SCOPE OF THE PROPOSED NEW WORK. ALL BIDS ARE EXPECTED TO ENCOMPASS THE TOTAL WORK SCOPE NEEDED TO PLACE THE COMPLETED ELECTRICAL SYSTEMS IN WORKING CONDITION TO THE EXTENT OF THE PLANS.



4 SECOND FLOOR PLAN - LIGHTING
SCALE: 1/4"=1'-0"

NOTE THIS IS AN REHAB OF AN EXISTING BUILDING WHICH HAS AN EXISTING SERVICE AND DISTRIBUTION EQUIPMENT. ALTERATIONS TO EXISTING BUILDING BEING OF SUCH NATURE THAT ALL FACETS OF THE WORK ARE IMPOSSIBLE TO DETAIL AND SPECIFY. IT IS THEREFORE SPECIFICALLY THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH THE CONDITIONS AND RELATE THESE CONDITIONS TO THE SCOPE OF THE PROPOSED NEW WORK. ALL BIDS ARE EXPECTED TO ENCOMPASS THE TOTAL WORK SCOPE NEEDED TO PLACE THE COMPLETED ELECTRICAL SYSTEMS IN WORKING CONDITION TO THE EXTENT OF THE PLANS.



5 SECOND FLOOR PLAN - POWER
SCALE: 1/4"=1'-0"

PANEL SCHEDULE CP1																	
60 AMP, 120/208 VOLT, SINGLE PHASE, THREE WIRE, M.L.D., 10000 AMPS MINIMUM A.I.C. BRACING, FLUSH MOUNTED, TYPE NEMA 1 ENCLOSURE																	
#	BKR.	WIRE AND CONDUIT				LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LOAD DESCRIPTION	WIRE AND CONDUIT				BKR.	#	
		COND.	NEUTRAL	GND	C.						KEYS	KEYS	C.	GND			NEUTRAL
1	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	2
3	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	4
5	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	6
7							SPACE	0	0	SPACE						8	
9							SPACE	0	0	SPACE						10	
11							SPACE	0	0	SPACE						12	
13							SPACE	0	0	SPACE						14	
15							SPACE	0	0	SPACE						16	
17							SPACE	0	0	SPACE						18	
19							SPACE	0	0	SPACE						20	
21							SPACE	0	0	SPACE						22	
23							SPACE	0	0	SPACE						24	
25							SPACE	0	0	SPACE						26	
27							SPACE	0	0	SPACE						28	
29							SPACE	0	0	SPACE						30	
31							SPACE	0	0	SPACE						32	
33							SPACE	0	0	SPACE						34	
35							SPACE	0	0	SPACE						36	
37							SPACE	0	0	SPACE						38	
39							SPACE	0	0	SPACE						40	
41							SPACE	0	0	SPACE						42	
WIRE/CONDUIT KEY							1800	1440	PEAK PHASE (A) UNBALANCED NEUTRAL LOAD AMPS = 15. AMPS								
1234									NON DIVERSIFIED LOAD AT 208 VOLT, SINGLE PHASE = 15.6 AMPS								
L-TEMP RATING							3,240		PRINTED ON PANELS PROGRAM SERIAL NUMBER 2001.4001								
CONDUIT TYPE									REGISTERED TO - TODD W. CAREY AND ASSOCIATES								
INSULATION																	
WIRING TYPE																	

PANEL SCHEDULE LP1																		
100 AMP, 120/208 VOLT, THREE PHASE, FOUR WIRE, M.L.D., 10000 AMPS MINIMUM A.I.C. BRACING, FLUSH MOUNTED, TYPE NEMA 1 ENCLOSURE																		
#	BKR.	WIRE AND CONDUIT				LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LINE C	LOAD DESCRIPTION	WIRE AND CONDUIT				BKR.	#	
		COND.	NEUTRAL	GND	C.							KEYS	KEYS	C.	GND			NEUTRAL
1	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	2	
3	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	4	
5	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	540	540	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	6	
7	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	1080	1080	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	8	
9	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	900	900	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	10	
11							SPACE	0	0	SPACE						12		
13							SPACE	0	0	SPACE						14		
15							SPACE	0	0	SPACE						16		
17							SPACE	0	0	SPACE						18		
19	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	20	
21	20/1	#12	#12	#12	1/2	CHAL	LIGHTS	1028	1028	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	22	
23	20/1	#12	#12	#12	1/2	CHAL	LIGHTS	720	720	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	24	
25	20/1	#12	#12	#12	1/2	CHAL	LOBBY RECEPTACLES	1191	1191	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	26	
27							SPACE	0	0	SPACE						28		
29							SPACE	0	0	SPACE						30		
31							SPACE	0	0	SPACE						32		
33							SPACE	0	0	SPACE						34		
35							SPACE	0	0	SPACE						36		
37							SPACE	0	0	SPACE						38		
39							SPACE	0	0	SPACE						40		
41							SPACE	0	0	SPACE						42		
30/2	#10						WATER HEATER	0	2250	SPACE						34		
20/2	#12						CONDENSING UNIT #3	1200	1200	SPACE						38		
37							SODA MACHINE	1440	1352	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	40	
39							REFRIGERATOR	1440	1440	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	42	
41							MICROWAVE	1200	1200	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	44	
WIRE/CONDUIT KEY							6152	7870	5721	PEAK PHASE (A) UNBALANCED NEUTRAL LOAD AMPS = 40. AMPS								
1234										NON DIVERSIFIED LOAD AT 208 VOLT, THREE PHASE = 54.8 AMPS								
L-TEMP RATING							19,743		PRINTED ON PANELS PROGRAM SERIAL NUMBER 2001.4001									
CONDUIT TYPE									REGISTERED TO - TODD W. CAREY AND ASSOCIATES									
INSULATION																		
WIRING TYPE																		

PANEL LP6 DIVERSIFICATION CALCULATIONS	
RECEPTACLES (21) -	3756 VA TOTAL
FIRST 10 KVA AT 100% -	3756
LIGHTING -	2375 X 125% = 2969
MOTOR LOADS AT 100% -	2496
PLUS 25% OF THE LARGEST MOTOR -	624
MISC NON-CONTINUOUS LOADS AT 100% -	2640
TOTAL DIVERSIFIED PANEL LOAD -	12485
LOAD AT 120/208V/1-PHASE/3-WIRE -	60.0A

PANEL LP1 DIVERSIFICATION CALCULATIONS	
RECEPTACLES (36) -	6480 VA TOTAL
FIRST 10 KVA AT 100% -	6480
LIGHTING -	2219 X 125% = 2774
HVAC LOAD AT 100% -	2704
PLUS 25% OF THE LARGEST MOTOR -	676
MISC NON-CONTINUOUS LOADS AT 100% -	8339
TOTAL DIVERSIFIED PANEL LOAD -	20973
LOAD AT 120/208V/3-PHASE/4-WIRE -	58.3A

PANEL CP1 DIVERSIFICATION CALCULATIONS	
RECEPTACLES (15) -	2700 VA TOTAL
FIRST 10 KVA AT 100% -	2700
MISC NON-CONTINUOUS LOADS AT 100% -	540
TOTAL DIVERSIFIED PANEL LOAD -	3240
LOAD AT 120/208V/1-PHASE/3-WIRE -	15.6A

PANEL LP2 DIVERSIFICATION CALCULATIONS	
RECEPTACLES (34) -	6120 VA TOTAL
FIRST 10 KVA AT 100% -	6120
LIGHTING -	786 X 125% = 983
HVAC LOAD AT 100% -	2178
PLUS 25% OF THE LARGEST MOTOR -	545
TOTAL DIVERSIFIED PANEL LOAD -	9826
LOAD AT 120/208V/3-PHASE/4-WIRE -	27.3A

PANEL CP2 DIVERSIFICATION CALCULATIONS	
RECEPTACLES (15) -	2700 VA TOTAL
FIRST 10 KVA AT 100% -	2700
TOTAL DIVERSIFIED PANEL LOAD -	2700
LOAD AT 120/208V/1-PHASE/3-WIRE -	13.0A

PANEL SCHEDULE CP2																	
60 AMP, 120/208 VOLT, SINGLE PHASE, THREE WIRE, M.L.D., 10000 AMPS MINIMUM A.I.C. BRACING, FLUSH MOUNTED, TYPE NEMA 1 ENCLOSURE																	
#	BKR.	WIRE AND CONDUIT				LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LOAD DESCRIPTION	WIRE AND CONDUIT				BKR.	#	
		COND.	NEUTRAL	GND	C.						KEYS	KEYS	C.	GND			NEUTRAL
1	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	2
3	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	4
5	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	6
7	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	8
9							SPACE	0	0	SPACE						10	
11							SPACE	0	0	SPACE						12	
13							SPACE	0	0	SPACE						14	
15							SPACE	0	0	SPACE						16	
17							SPACE	0	0	SPACE						18	
19							SPACE	0	0	SPACE						20	
21							SPACE	0	0	SPACE						22	
23							SPACE	0	0	SPACE						24	
WIRE/CONDUIT KEY							1440	1260	PEAK PHASE (A) UNBALANCED NEUTRAL LOAD AMPS = 12. AMPS								
1234									NON DIVERSIFIED LOAD AT 208 VOLT, SINGLE PHASE = 13. AMPS								
L-TEMP RATING							2,700		PRINTED ON PANELS PROGRAM SERIAL NUMBER 2001.4001								
CONDUIT TYPE									REGISTERED TO - TODD W. CAREY AND ASSOCIATES								
INSULATION																	
WIRING TYPE																	

PANEL SCHEDULE LP2																	
100 AMP, 120/208 VOLT, THREE PHASE, FOUR WIRE, M.L.D., 10000 AMPS MINIMUM A.I.C. BRACING, FLUSH MOUNTED, TYPE NEMA 1 ENCLOSURE																	
#	BKR.	WIRE AND CONDUIT				LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LINE C	LOAD DESCRIPTION	WIRE AND CONDUIT				BKR.	#
		COND.	NEUTRAL	GND	C.							KEYS	KEYS	C.	GND		
1	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	LIGHTS	CHAL	1/2	#12	#12	#12	20/1	2
3	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	4
5							SPACE	0	0	SPACE						6	
7							SPACE	0	0	SPACE						8	
9	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	540	540	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	10
11	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	SPACE						12	
13	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	SPACE						14	
15	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	SPACE						16	
17							SPACE	0	0	SPACE						18	
19							SPACE	0	0	SPACE						20	
21							SPACE	0	0	SPACE						22	
23							SPACE	0	0	SPACE						24	
25							SPACE	0	0	SPACE						26	
27							SPACE	0	0	SPACE						28	
29							SPACE	0	0	SPACE						30	
31							SPACE	0	0	SPACE						32	
33							SPACE	0	0	SPACE						34	
35							SPACE	0	0	SPACE						36	
37							SPACE	0	0	SPACE						38	
39							SPACE	0	0	SPACE						40	
41							SPACE	0	0	SPACE						42	
30/2	#10						AIR HANDLING UNIT #2										

PANEL SCHEDULE CP3																					
60 AMP, 120/208 VOLT, SINGLE PHASE, THREE WIRE, M.L.D., 10000 AMPS MINIMUM A.I.C. BRACING, FLUSH MOUNTED, TYPE NEMA 1 ENCLOSURE																					
#	BKR.	WIRE AND CONDUIT				LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LOAD DESCRIPTION	WIRE AND CONDUIT				BKR.	#					
		COND.	NEUTRAL	GND	C. KEYS						KEYS	C.	GND	NEUTRAL			COND.				
1	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLES	360	360	-----	360	360	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	2
3	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	-----	360	360	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	4
5	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	-----	360	360	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	6
7	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	-----	360	360	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	8
9							SPACE	0	0	-----	0	0	-----	SPACE							
11							SPACE	0	0	-----	0	0	-----	SPACE							
13							SPACE	0	0	-----	0	0	-----	SPACE							
15							SPACE	0	0	-----	0	0	-----	SPACE							
17							SPACE	0	0	-----	0	0	-----	SPACE							
19							SPACE	0	0	-----	0	0	-----	SPACE							
21							SPACE	0	0	-----	0	0	-----	SPACE							
23							SPACE	0	0	-----	0	0	-----	SPACE							
24							SPACE	0	0	-----	0	0	-----	SPACE							
WIRE/CONDUIT KEY								1234													
TEMP RATING								L-78-86 Deg. F.													
CONDUIT TYPE								A-EMT													
INSULATION								H-THWN													
WIRING TYPE								C-CU WIRE													
PEAK PHASE (A) UNBALANCED NEUTRAL LOAD AMPS =								12. AMPS													
NON DIVERSIFIED LOAD AT 208 VOLT, SINGLE PHASE =								11.3 AMPS													
PRINTED ON PANELS PROGRAM SERIAL NUMBER 2001.4001								REGISTERED TO - TODD W. CAREY AND ASSOCIATES													

PANEL SCHEDULE CP4																					
60 AMP, 120/208 VOLT, SINGLE PHASE, THREE WIRE, M.L.D., 10000 AMPS MINIMUM A.I.C. BRACING, FLUSH MOUNTED, TYPE NEMA 1 ENCLOSURE																					
#	BKR.	WIRE AND CONDUIT				LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LOAD DESCRIPTION	WIRE AND CONDUIT				BKR.	#					
		COND.	NEUTRAL	GND	C. KEYS						KEYS	C.	GND	NEUTRAL			COND.				
1	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	-----	360	360	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	2
3	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	-----	360	360	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	4
5	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	-----	360	360	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	6
7	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	-----	360	360	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	8
9	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	360	360	-----	360	360	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	10
11							SPACE	0	0	-----	0	0	-----	SPACE							
13							SPACE	0	0	-----	0	0	-----	SPACE							
15							SPACE	0	0	-----	0	0	-----	SPACE							
17							SPACE	0	0	-----	0	0	-----	SPACE							
19							SPACE	0	0	-----	0	0	-----	SPACE							
21							SPACE	0	0	-----	0	0	-----	SPACE							
23							SPACE	0	0	-----	0	0	-----	SPACE							
24							SPACE	0	0	-----	0	0	-----	SPACE							
WIRE/CONDUIT KEY								1234													
TEMP RATING								L-78-86 Deg. F.													
CONDUIT TYPE								A-EMT													
INSULATION								H-THWN													
WIRING TYPE								C-CU WIRE													
PEAK PHASE (A) UNBALANCED NEUTRAL LOAD AMPS =								15. AMPS													
NON DIVERSIFIED LOAD AT 208 VOLT, SINGLE PHASE =								14.7 AMPS													
PRINTED ON PANELS PROGRAM SERIAL NUMBER 2001.4001								REGISTERED TO - TODD W. CAREY AND ASSOCIATES													

PANEL SCHEDULE LP3																					
100 AMP, 120/208 VOLT, THREE PHASE, FOUR WIRE, M.L.D., 10000 AMPS MINIMUM A.I.C. BRACING, FLUSH MOUNTED, TYPE NEMA 1 ENCLOSURE																					
#	BKR.	WIRE AND CONDUIT				LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LINE C	LOAD DESCRIPTION	WIRE AND CONDUIT				BKR.	#				
		COND.	NEUTRAL	GND	C. KEYS							KEYS	C.	GND	NEUTRAL			COND.			
1	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	1080	1080	-----	1080	1080	-----	SPACE							
3	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	1080	1080	-----	1080	1080	-----	SPACE							
5	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	540	540	-----	540	540	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	6
7							SPACE	0	0	-----	0	0	-----	SPACE							
9							SPACE	0	0	-----	0	0	-----	SPACE							
11	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	1440	1440	-----	1440	1440	-----	REFRIGERATOR	CHAL	1/2	#12	#12	#12	20/1	10
13	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	540	540	-----	540	540	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	12
15							SPACE	0	0	-----	0	0	-----	SPACE							
17	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	540	540	-----	540	540	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	16
19	20/1	#12	#12	#12	1/2	CHAL	LIGHTS	1151	1151	-----	1151	1151	-----	SPACE							
21	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	900	900	-----	900	900	-----	SPACE							
23	20/1	#12	#12	#12	1/2	CHAL	LIGHTS	720	720	-----	720	720	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	22
25							SPACE	0	0	-----	0	0	-----	SPACE							
27							SPACE	0	0	-----	0	0	-----	SPACE							
29							SPACE	0	0	-----	0	0	-----	SPACE							
31	25/2	#10	---	#10	1/2	CHAL	WATER HEATER	0	2080	-----	0	2080	-----	WATER HEATER	CHAL	1/2	#12	---	#10	25/2	30
33							SPACE	0	0	-----	0	0	-----	SPACE							
35							SPACE	0	0	-----	0	0	-----	SPACE							
37							SPACE	0	0	-----	0	0	-----	SPACE							
39							SPACE	0	0	-----	0	0	-----	SPACE							
41							SPACE	0	0	-----	0	0	-----	SPACE							
42							SPACE	0	0	-----	0	0	-----	SPACE							
WIRE/CONDUIT KEY								1234													
TEMP RATING								L-78-86 Deg. F.													
CONDUIT TYPE								A-EMT													
INSULATION								H-THWN													
WIRING TYPE								C-CU WIRE													
PEAK PHASE (A) UNBALANCED NEUTRAL LOAD AMPS =								41.1 AMPS													
NON DIVERSIFIED LOAD AT 208 VOLT, THREE PHASE =								61.8 AMPS													
PRINTED ON PANELS PROGRAM SERIAL NUMBER 2001.4001								REGISTERED TO - TODD W. CAREY AND ASSOCIATES													

PANEL SCHEDULE LP4																					
100 AMP, 120/208 VOLT, THREE PHASE, FOUR WIRE, M.L.D., 10000 AMPS MINIMUM A.I.C. BRACING, FLUSH MOUNTED, TYPE NEMA 1 ENCLOSURE																					
#	BKR.	WIRE AND CONDUIT				LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LINE C	LOAD DESCRIPTION	WIRE AND CONDUIT				BKR.	#				
		COND.	NEUTRAL	GND	C. KEYS							KEYS	C.	GND	NEUTRAL			COND.			
1	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	-----	720	720	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	2
3	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	900	900	-----	900	900	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	4
5							SPACE	0	0	-----	0	0	-----	SPACE							
7	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	180	180	-----	180	180	-----	BATH ROOM RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	6
9							SPACE	0	0	-----	0	0	-----	SPACE							
11	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	-----	720	720	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	10
13							SPACE	0	0	-----	0	0	-----	SPACE							
15							SPACE	0	0	-----	0	0	-----	SPACE							
17							SPACE	0	0	-----	0	0	-----	SPACE							
19	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	-----	720	720	-----	SPACE							
21							SPACE	0	0	-----	0	0	-----	SPACE							
23	20/1	#12	#12	#12	1/2	CHAL	RECEPTACLE	720	720	-----	720	720	-----	RECEPTACLE	CHAL	1/2	#12	#12	#12	20/1	22
25							SPACE	0	0	-----	0	0	-----	SPACE							
27							SPACE	0	0	-----	0	0	-----	SPACE							
29							SPACE	0	0	-----	0	0	-----	SPACE							
31	20/2	#12	---	#12	1/2	CHAL	AIR HANDLING UNIT #2	0	1664	-----	0	2080	-----	WATER HEATER	CHAL	1/2	#12	---	#12	25/2	30
33							SPACE	0	0	-----	0	0	-----	SPACE							
35							SPACE	0	0	-----	0	0	-----	SPACE							
37							SPACE	0	0	-----	0	0	-----	SPACE							
39							SPACE	0	0	-----	0	0	-----	SPACE							
41							SPACE	0	0	-----	0	0	-----	SPACE							
42							SPACE	0	0	-----	0	0	-----	SPACE							
WIRE/CONDUIT KEY								1234													
TEMP RATING								L-78-86 Deg. F.													
CONDUIT TYPE								A-EMT													
INSULATION								H-THWN													
WIRING TYPE								C-CU WIRE													
PEAK PHASE (A) UNBALANCED NEUTRAL LOAD AMPS =								45. AMPS													
NON DIVERSIFIED LOAD AT 208 VOLT, THREE PHASE =								50.3 AMPS													
PRINTED ON PANELS PROGRAM SERIAL NUMBER 2001.4001								REGISTERED TO - TODD W. CAREY AND ASSOCIATES													

ELECTRICAL NOTES:

- GENERAL: ALL WORK SHALL CONFORM TO THE LATEST APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL JURISDICTIONAL CODES.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE DRAWINGS AND ANY APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, THE CONTRACTOR SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM, AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL THE OWNER HAS DIRECTED THE CORRECTIVE ACTION TO BE TAKEN.
- THE CONTRACTOR SHALL COORDINATE THE PROPOSED LOCATIONS OF ALL ELECTRICAL MATERIALS AND EQUIPMENT WITH THE REPRESENTATIVES OF THE OTHER TRADES INVOLVED BEFORE STARTING INSTALLATION OF THOSE ITEMS.
- COORDINATE THE INSTALLATION OF REQUIRED SUPPORTING DEVICES, CONDUIT, AND SLEEVES TO BE SET IN CAST-IN-PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS, AS THEY ARE CONSTRUCTED.
- UNLESS OTHERWISE SPECIFIED ON THE PLANS, ALL SPECS ARE NOT INTENDED TO BE PROPRIETARY. SUBSTITUTIONS WILL BE ACCEPTABLE FOR EQUAL RATED AND LISTED UNITS.
- SCOPE: EXCEPT WHERE OTHERWISE SPECIFICALLY INDICATED ON THE DRAWINGS BY "FUTURE", "BY OTHERS", OR BY A SIMILAR NOTATION, IT IS THE INTENT THAT THE CONTRACTOR FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS NECESSARY TO PROVIDE ALL SYSTEMS IN COMPLETE AND OPERATING CONDITION.