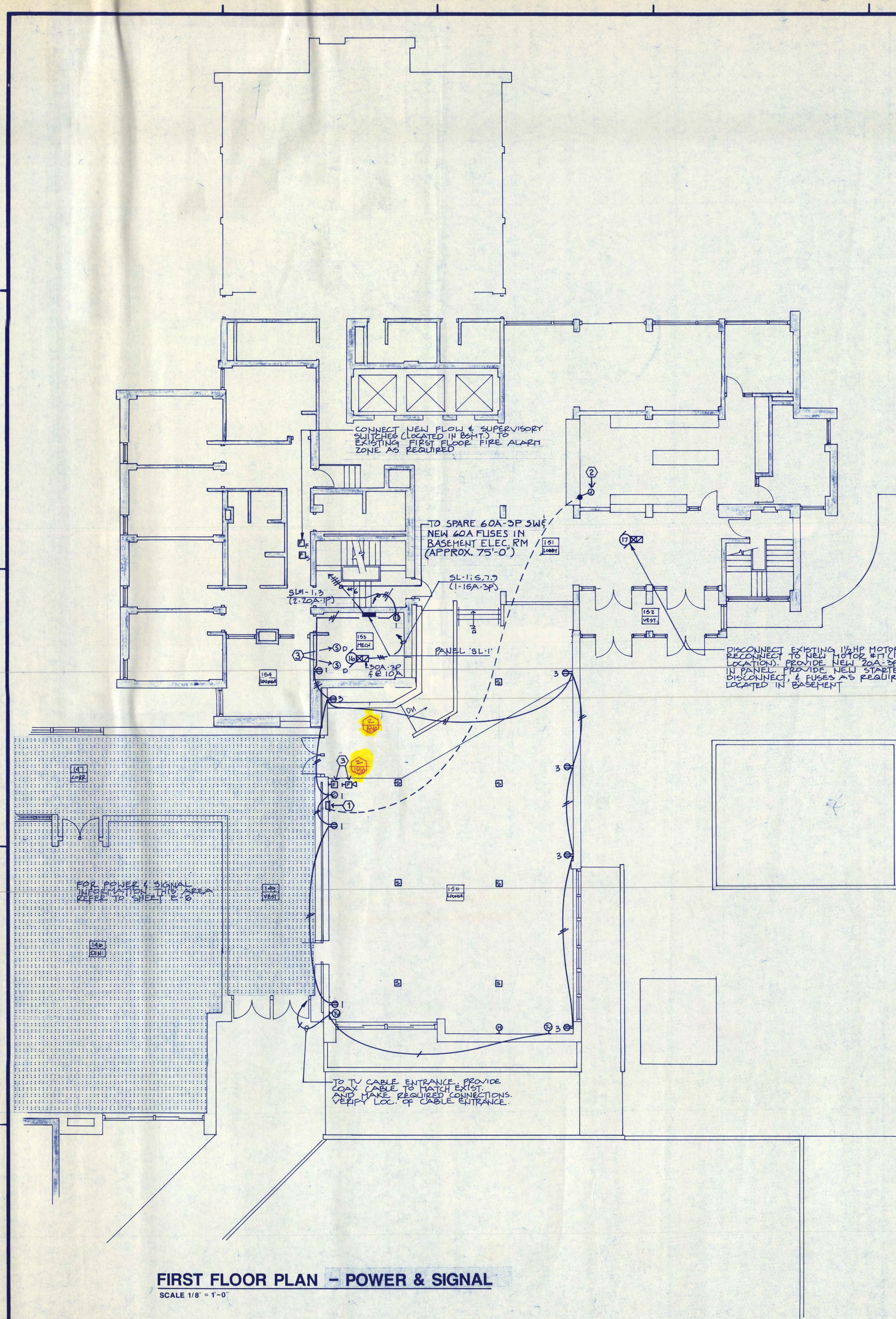
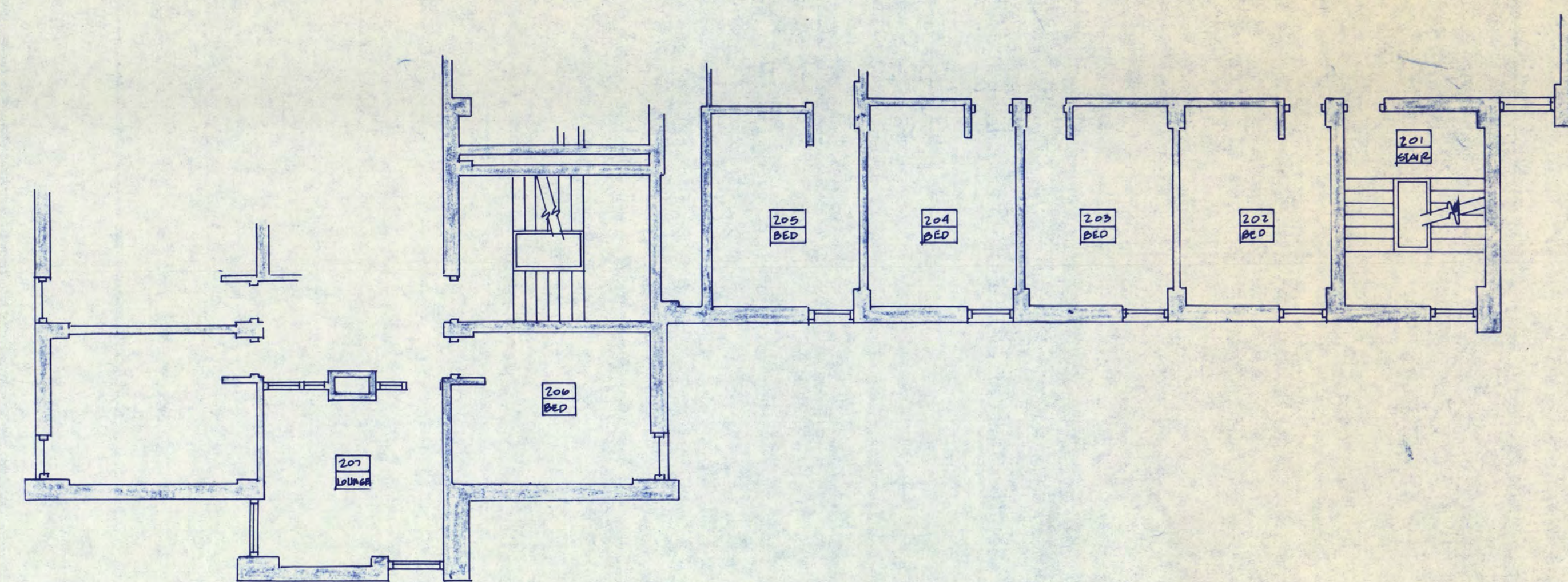




FIRST FLOOR PLAN - POWER & SIGNAL

SCALE 1/8" = 1'-0"



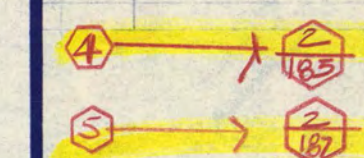
PARTIAL SECOND FLOOR PLAN

SCALE 1/8" = 1'-0"

- 185. Add Electrical Note 4: Microphone outlet to be centered on east wall.
- 186. Reference Electrical Note 4 adjacent to microphone outlet on east wall of Room 150.
- 187. Add Electrical Note 5: Reuse existing audible alarm removed from Garvey Commons.
- 188. Reference Electrical Note 5 adjacent to fire alarm horn in Room 150.

ELECTRICAL NOTES

- ① SOUND SYSTEM AMPLIFIER "A" AND PRE-AMPLIFIER "C" REFER TO DETAIL ON SHEET E-9
- ② MAKE CONNECTION FROM EXISTING AM-FM RECEIVER OUTPUT TO AUXILIARY INPUT OF NEW PRE-AMPLIFIER IN LOUNGE AREA. VERIFY AM-FM RECEIVER LOCATION. INSTALL THIS WIRING IN CONDUIT.
- ③ INTERCONNECT DEVICE INTO EXISTING FA SYSTEM COMPLETE. NEW DEVICE SHALL MATCH AND BE COMPATIBLE WITH EXISTING SYSTEM.



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saint paul, mn 55114 • 612/642-9771

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Raymond J. Bender
DATE 12-15-86 REG NO 11699



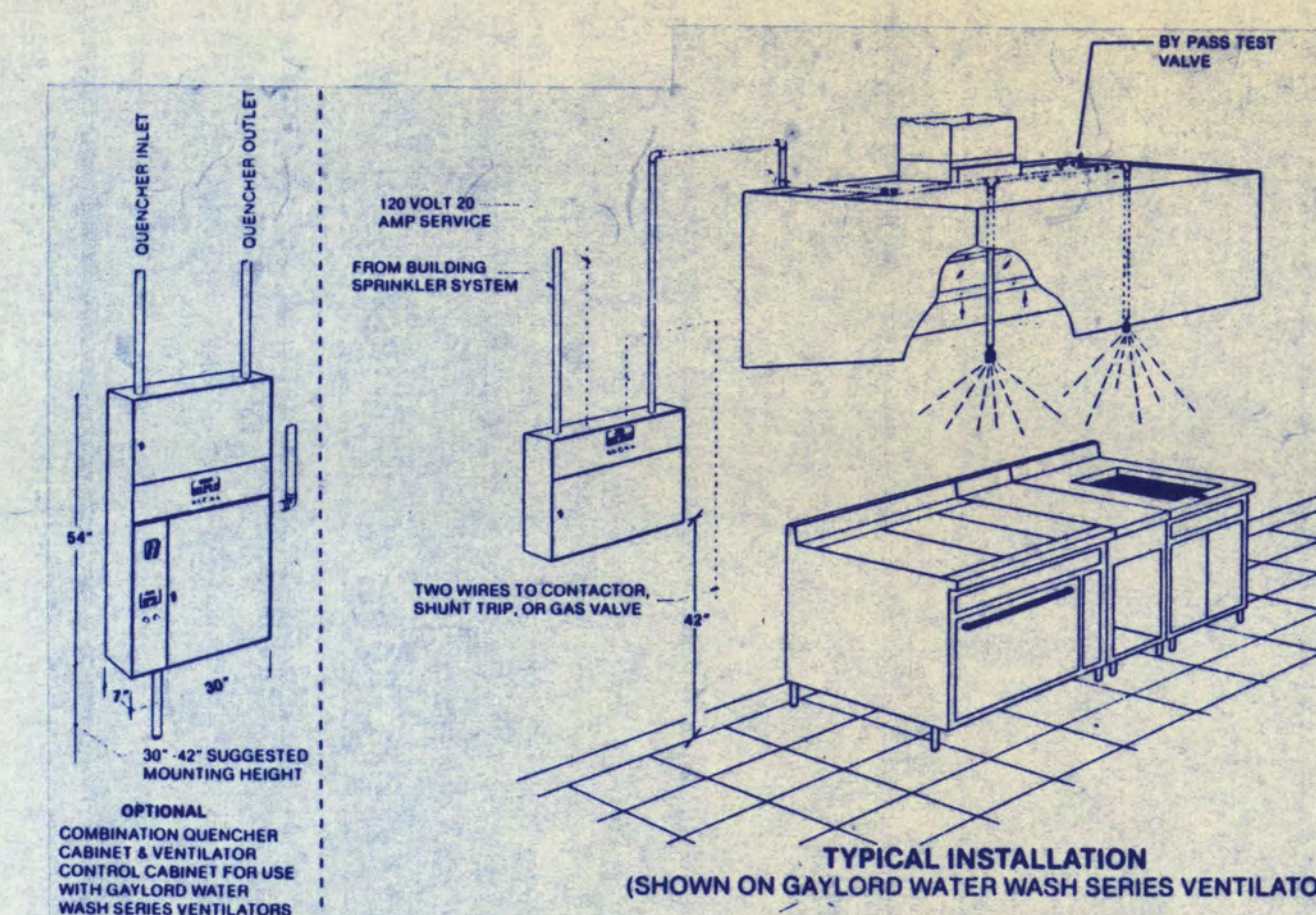
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ST. CLOUD MINNESOTA

REVISED PROJECT NO. 80016
ISSUE DATE 12-15-86
DRAWN BY R.E.F., KDH
CHECKED BPS
APPROVED F.W.
ARCHITECT
SCALE AS NOTED

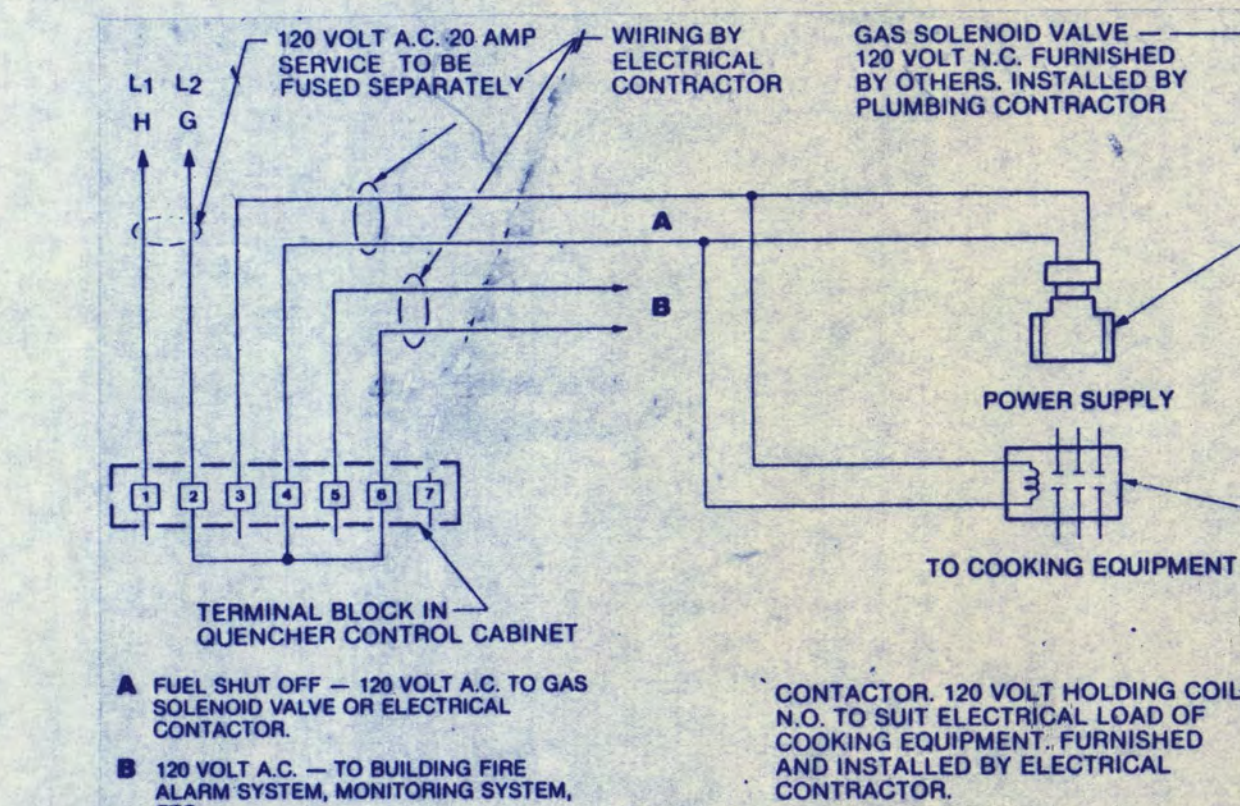


E-8

OF 11



- ## ELECTRICAL NOTES
- ① MAKE 120V CONNECTION TO PREWIRED LIGHTS, DOOR HEATER & ALARM.
 - ② MAKE 208V-1 ϕ CONNECTION TO DEFROST UNIT IN COOLER
 - ③ MAKE 120V CONNECTION TO PREWIRED LIGHTS IN HOOD
 - ④ STUB UP 3/4" MT INTO CHECKOUT STATIONS FOR CARD READER, ETC. CONTROL WIRING. ALSO STUB UP INTO RM. 103. VERIFY LOCATION WITH ARCHITECT.
 - ⑤ MAKE CONNECTION GAS SOLENOID VALVE (BY OTHERS). REFER TO ITEM 34 INSTALLATION DETAIL ON THIS SHEET.



ITEM 34 INSTALLATION DETAIL

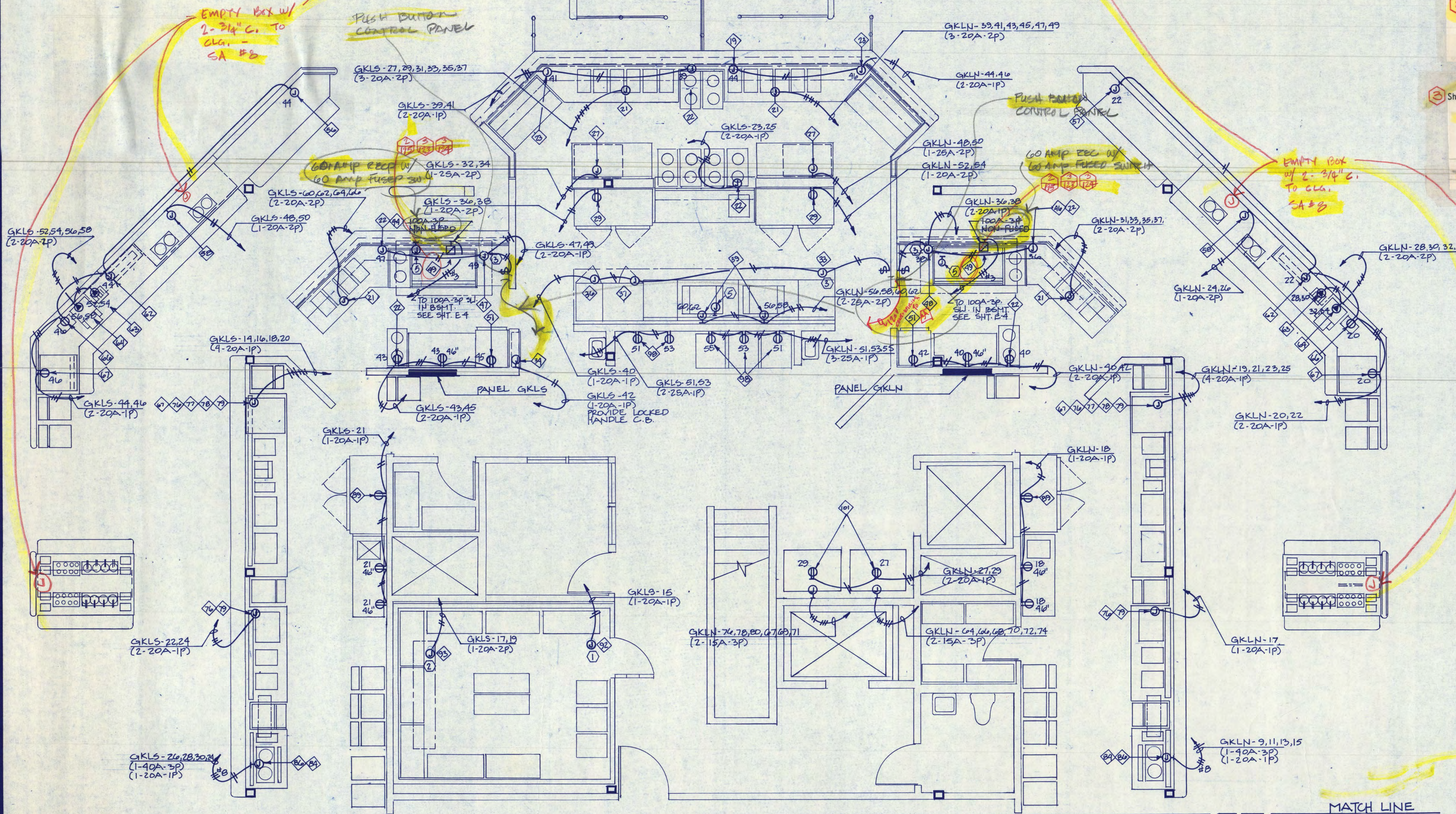
NOT TO SCALE

123. Add: Provide a 100 amp electrically held contactor in each 100 amp feeder to equipment #49, electrical grills. Provide with NEMA 12 enclosure. Locate with 100 amp switches in basement electrical room. Provide separate on-off pushbutton controls adjacent to each grill and 120 volt control wiring to item #34, fire protection system.
124. At each Item #49, add: Delete the 100 amp 3-phase non-fused switch; wiring to remain to serve 60 amp receptacles added by Addendum No. 2.

3 Sheet E-10

123. Add: Provide a 100 amp electrically held contactor in each 100 amp feeder to equipment #49, electrical grills. Provide with NEMA 12 enclosure. Locate with 100 amp switches in basement electrical room. Provide separate on-off pushbutton controls adjacent to each grill and 120 volt control wiring to item #34, fire protection system.

124. At each Item #49, add: Delete the 100 amp 3-phase non-fused switch; wiring to remain to serve 60 amp receptacles added by Addendum No. 2



PARTIAL PLAN-SERVING LINE & KITCHEN

SCALE 1/4"=1'-0"

NOTE:
REFER TO FOOD SERVICE EQUIPMENT
SUPPLIERS DRAWINGS FOR EXACT
ROUGH-IN LOCATION & CONNECTION
TYPE.



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Bayland Bender
DATE 12-15-86 REG. NO. 11698



**FREDRIC WEMLINGER
AND ASSOCIATES INC.**
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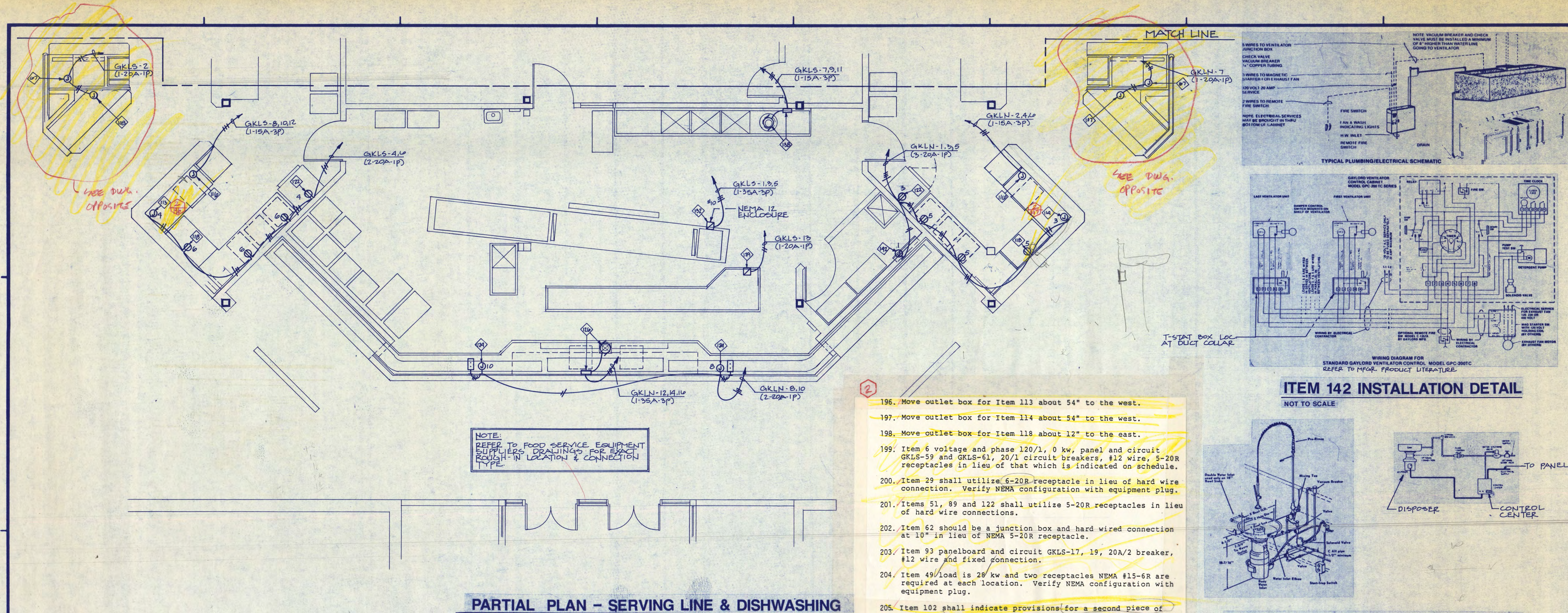
REVISÉ

PROJECT NO. 80015
ISSUE DATE 12-15-86
DRAWN BY REF
CHECKED BPS
APPROVED FW
ARCHITECT
SCALE AS NOTED



E-10

OF 11



PARTIAL PLAN - SERVING LINE & DISHWASHING
SCALE 1/4" = 1'-0"

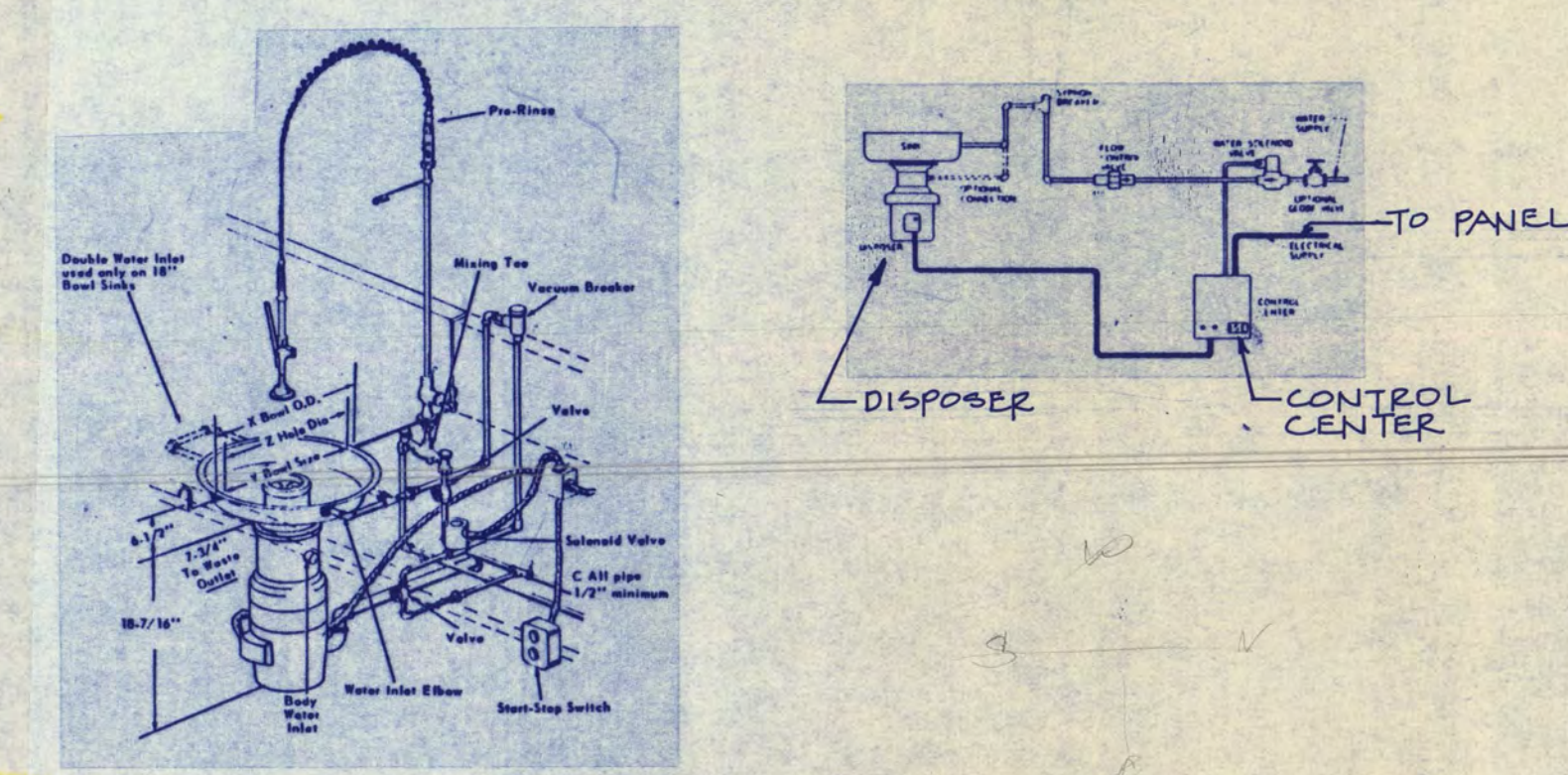
KITCHEN EQUIPMENT SCHEDULE										
ITEM NO.	EQUIPMENT DESCRIPTION	VOLTS	PHASE	AMPS	LOAD KW	HP	PANELBOARD & CIRCUIT NO.	BRANCH C.T. SIZE	CONNECTION RECEPT. NEMA #	REMARKS
2	CASH REGISTER	120/1		1.0			GKLS-68, 20/1	20/1	#12 5-20R	PROVIDE ISOLATED GROUND
4	SALAD BAR, SOUTH	120/1		.2			GKLN-57, 20/1	20/1	#12 5-20R	LIGHTS
6	MOBILE SALAD BAR	120/1		2.0		1/3	GKLS-59, 61, 30/2	30/2	#10 6-30R	FLOOR RECEPT.
7	MOBILE SALAD BAR	120/1		1/3			GKLS-55, 20/1	20/1	#12 5-20R	FLOOR RECEPT.
8	SALAD BAR, NORTH	120/1		.2			GKLN-57, 20/1	20/1	#12 5-20R	LIGHTS
9	ROLL-IN REFRIGERATOR	120/1		4.4	.3		GKLN-57, 20/1	20/1	5-20R	
19	HOT FOOD, DELI COUNTER	120/1		.4			GKLN-44, 20A/1	20A/1	#12	LIGHTS NOTE 1
21	HOT FOOD WELL	208/1		1.0			GKLN-31, 33, 35, 37, 20/1	(2) 20A/2	#12	NOTE 1
22	MOBILE HEATED PLATE DISPENSER	120/1		.8			GKLN-39-49, 20/1	(3) 20A/2	#12	NOTE 1
23	MOBILE REFRIG. SANDWICH COUNTER	120/1		12		1/3	GKLN-39-49, 20/1	(3) 20A/2	#12	NOTE 1
27	FOOD WARMER	208/1		4.5			GKLN-39-49, 20/1	(3) 20A/2	#12	NOTE 1
29	ROLL-IN FREEZER	208/1		1.5	1		GKLN-52, 54, 20A/2	20A/2	#12	NOTE 1
33	EXHAUST HOOD	120/1		.5			GKLS-40, 20A/1	20A/1	#12	X
34	FIRE PROTECTION SYSTEM	120/1		10			GKLS-42, 20A/1	20A/1	#12	X
36	CONVECTION STEAMER	120/1		.2			GKLS-40, 20/1	20/1	#12	X
37	CONVECTION STEAMER	120/1		.2			GKLS-40, 20/1	20/1	#12	X
39	FRYER WITH FILTER	208/1					GKLN-56, 58, 25A/2P	25A/2P	#12	X
44	GRILL COUNTER, SOUTH	120/1		.1			GKLN-49, 20A-1	20A-1	#12	X
46	GRILL COUNTER, NORTH	120/1		.1			GKLN-38, 20A/1	20A/1	#12	LIGHTS NOTE 1
47	EXHAUST HOOD, SOUTH	120/1		.5			GKLS-49, 20A/1	20A/1	#12	X
48	EXHAUST HOOD, NORTH	120/1		.5			GKLN-38, 20A/1	20A/1	#12	X
49	GRILL WITH MOBILE STAND	208/3		2.0			MAIN SWBD, 100A-3	100A-3	#3	X
51	REACH-IN REFRIGERATOR, 1-SEC.	120/1		.6		1/4	GKLN-42, 20A/1	20A/1	#12	X
56	SOUP & BREAD COUNTER, SOUTH	120/1		.5			GKLS-44, 20A/1	20A/1	#12	X
57	SOUP & BREAD COUNTER, NORTH	120/1		.5			GKLN-22, 20A/1	20A/1	#12	X
58	SOUP WELL	208/1		4.6	1.0		GKLN-24, 26, 20A/2	20A/2	#12	X
62	HEAT LAMP	120/1		.4			GKLN-22, 20A/1	20A/1	#12	X

KITCHEN EQUIPMENT SCHEDULE										
ITEM NO.	EQUIPMENT DESCRIPTION	VOLTS	PHASE	AMPS	LOAD KW	HP	PANELBOARD & CIRCUIT NO.	BRANCH C.T. SIZE	CONNECTION RECEPT. NEMA #	REMARKS
63	TOASTER, 4-SLOT	208/1		1.95			GKLN-28, 30, 20A/2	20A/2	#12	
64	CONVEYOR TOASTER	208/1		18.3	3.8		GKLN-52, 54, 25A/2	25A/2	#12	
66	REFRIG. BUTTER DISPENSER	120/1		1.0			GKLN-20, 20A/1	20A/1	#12	
67	ICE & CARB. BEVERAGE	120/1		6			GKLN-20, 20A/1	20A/1	#12	NOTE 1
76	JUICE DISPENSER	120/1		7.3			GKLN-25, 20A/1	20A/1	#12	NOTE 1
77	JET SPRAY	120/1		5	.5		GKLN-23, 20A/1	20A/1	#12	NOTE 1
78	ICED TEA DISPENSER	120/1		.1	.02		GKLN-23, 20A/1	20A/1	#12	NOTE 1
79	BULK MILK DISPENSER	120/1		1.0			GKLN-17, 20A/1	20A/1	#12	NOTE 1
84	HOT CHOCOLATE & DISPENSER	120/1		1.4			GKLN-15, 20A/1	20A/1	#12	NOTE 1
86	COFFEE URN	208/3		31	11.5		GKLN-26, 29, 30, 40A/3	40A/3	#8	NOTE 1
89	ROLL-IN REFRIGERATOR, 2-SEC.	120/1		9.6	1.0		GKLN-18, 20A/1	20A/1	#12	X
92	DAIRY REFRIGERATOR	120/1		.6			GKLS-15, 20A/1	20A/1	#12	X
93	DAIRY REFRIGERATION SYSTEM	208/1		9.9			GKLN-17, 20A/2	20A/2	#12	X
98	MOBILE HOT CABINET	120/1		2.0			GKLN-51, 25A/1	25A/1	#12	X
101	ICE MAKER LG/BIN	120/1		9.8		1/2	GKLN-27, 29, 20A/1	(2) 20A/1	#12	X
108	HOT FUDGE DISPENSER	120/1		.5		1/2	GKLN-7, 20A-1	20A-1	#12	X
113	DESSERT COUNTER, SOUTH	120/1		.3			GKLS-4, 20A-1	20A-1	#12	X
114	DESSERT COUNTER, NORTH	120/1		.3			GKLN-3, 20A/1	20A/1	#12	X
116	SOFT SERVE ICE CREAM MACHINE	208/3		2.0		1 HP	GKLN-2, 4, 6, 15A/3	15A/3	#12	X
118	ICE CREAM CABINET WITH DIPPER WELL	120/1		5.5			GKLN-5, 20A/1	20A/1	#12	X
122	ROLL-IN REFRIGERATOR, 1-SEC.	120/1		9	.7		GKLN-3, 20A/1	20A/1	#12	X
124	TRAY RETURN CONVEYOR & SOILED DISH TABLE	120/1				1/2	GKLN-8, 10, 20A/1	20A/1	#12	X
126	DISPOSER	208/3		6.9		5	GKLN-12, 14, 16, 35A/3	35A/3	#10	X

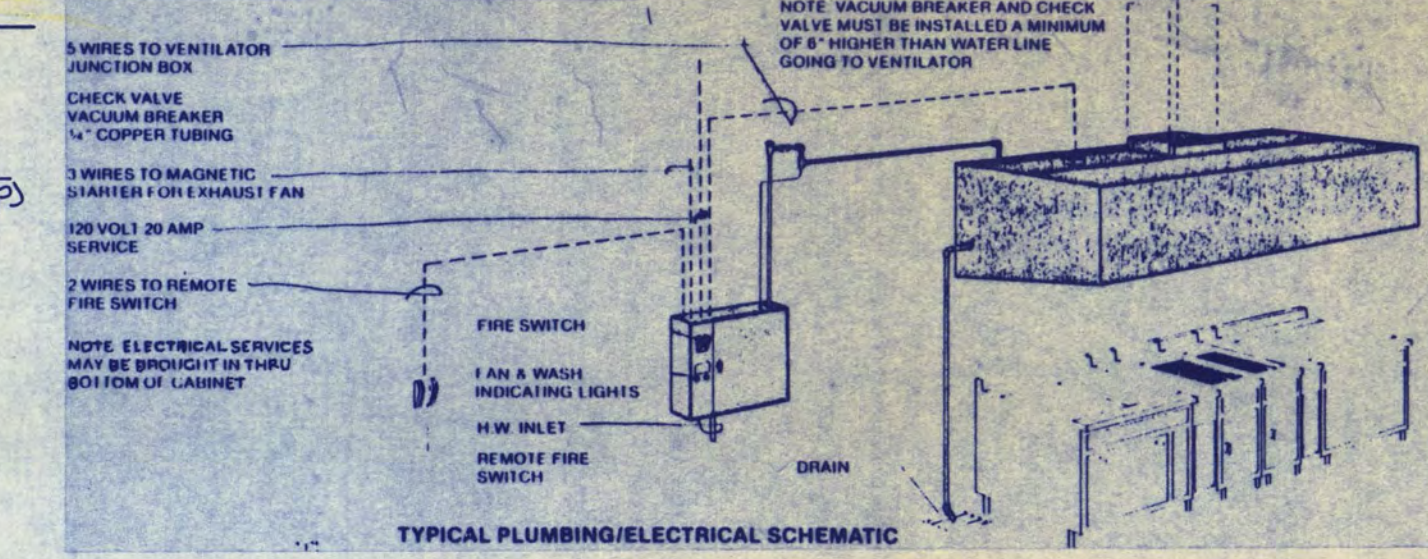
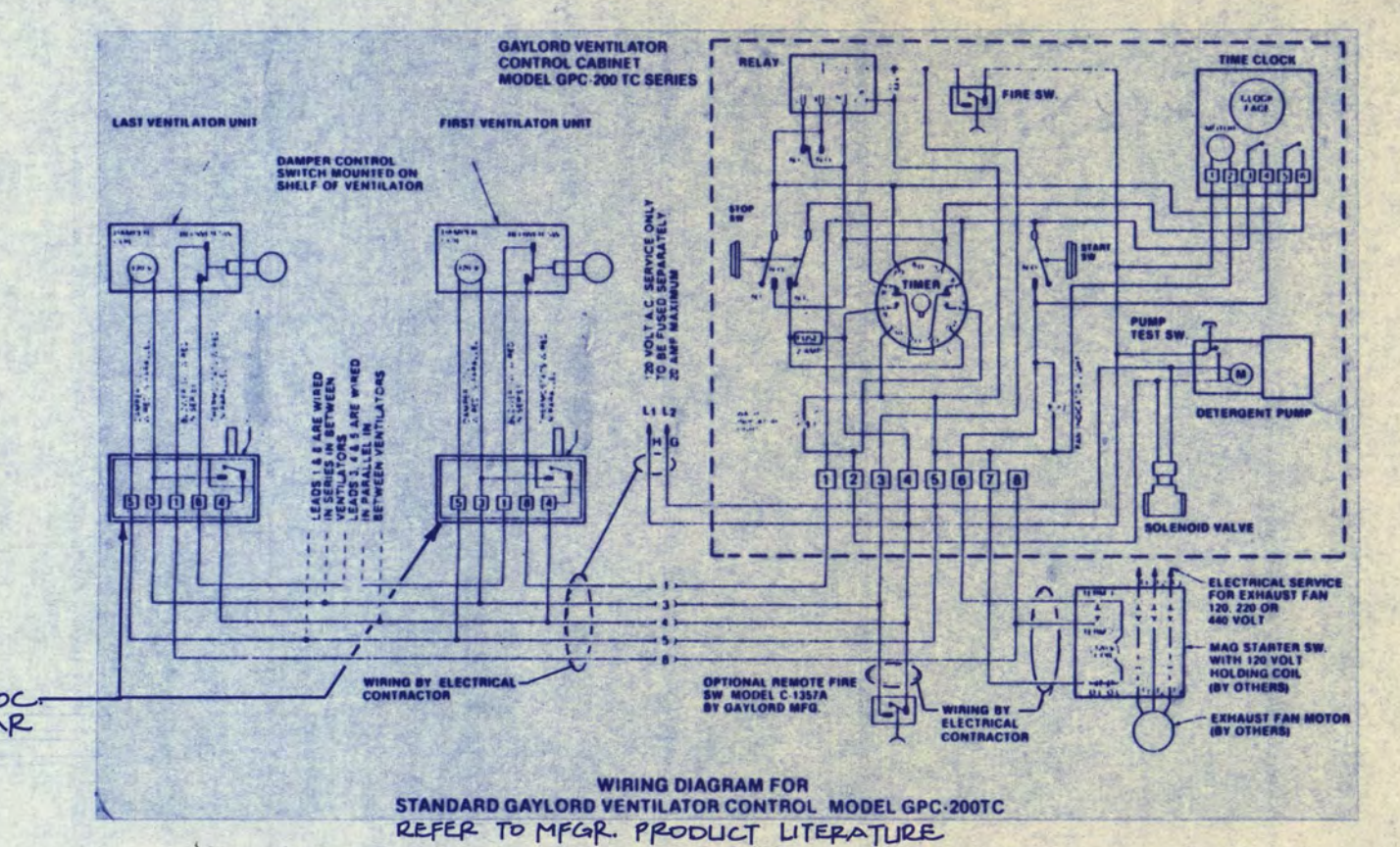
KITCHEN EQUIPMENT SCHEDULE										
ITEM NO.	EQUIPMENT DESCRIPTION	VOLTS	PHASE	AMPS	LOAD KW	HP	PANELBOARD & CIRCUIT NO.	BRANCH C.T. SIZE	CONNECTION RECEPT. NEMA #	REMARKS
129	BUSING CONVEYOR	120/1				1/2	GKLS-12, 20/1	20/1	#12	X
132	DISH MACHINE	208/3		29.5			GKLS-1, 3, 5, 35A-3P	35A-3P	#10	X
138	DISPOSER W/SPRAY RINSE	208/3		3.3		2	GKLS-7, 9, 11, 15A/3	15A/3	#12	X
142	PLUMBING ENCLOSURE PANEL	120/1		1.0			GKLN-1, 20A/1	20A/1	#12	X
102	CARBONATED BEV. SYSTEM	120/1		44.9		3	GL-23, 25, 35A/2	35A/2	#10	X
103	PACKAGE REF. V/HEAT RECLAIM	208/3		44.9			MAIN SWBD, 60A-3P	60A-3P	#10	X

KITCHEN EQUIPMENT SCHEDULE NOTES
1. MAKE CONNECTION TO PRE-WIRED CABINETS (BY OTHERS).
2. SAME AS NOTE 1 EXCEPT WHERE DUPLEX RECEPTACLE IS SHOWN.

ITEMS 126 & 138 INSTALLATION DETAIL
NOT TO SCALE



ITEM 142 INSTALLATION DETAIL
NOT TO SCALE



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Raymond Bender
DATE 12-15-80 REG NO 11698

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APPROVED FW
ARCHITECT
SCALE AS NOTED

E-11
NORTH OF 11