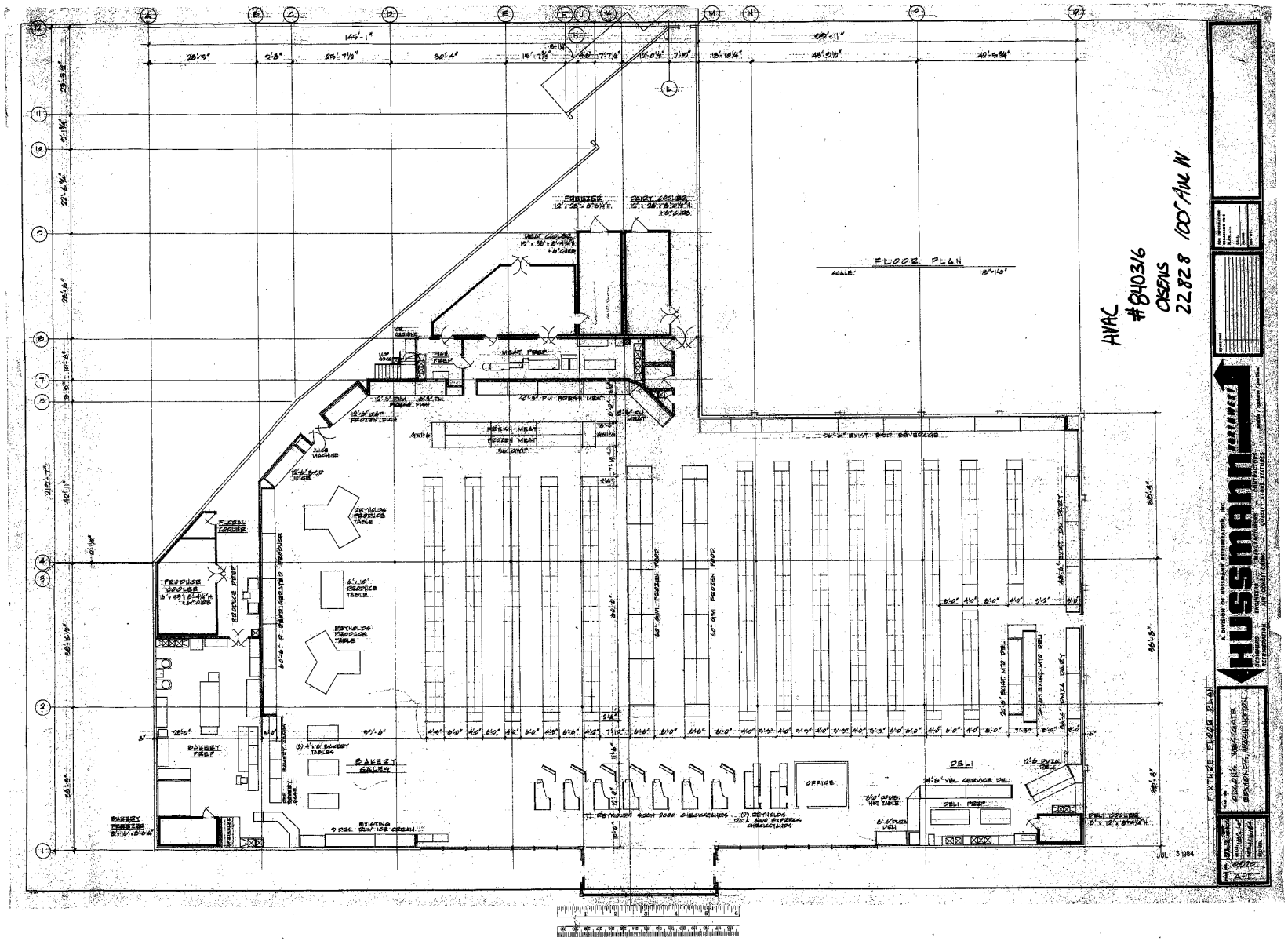
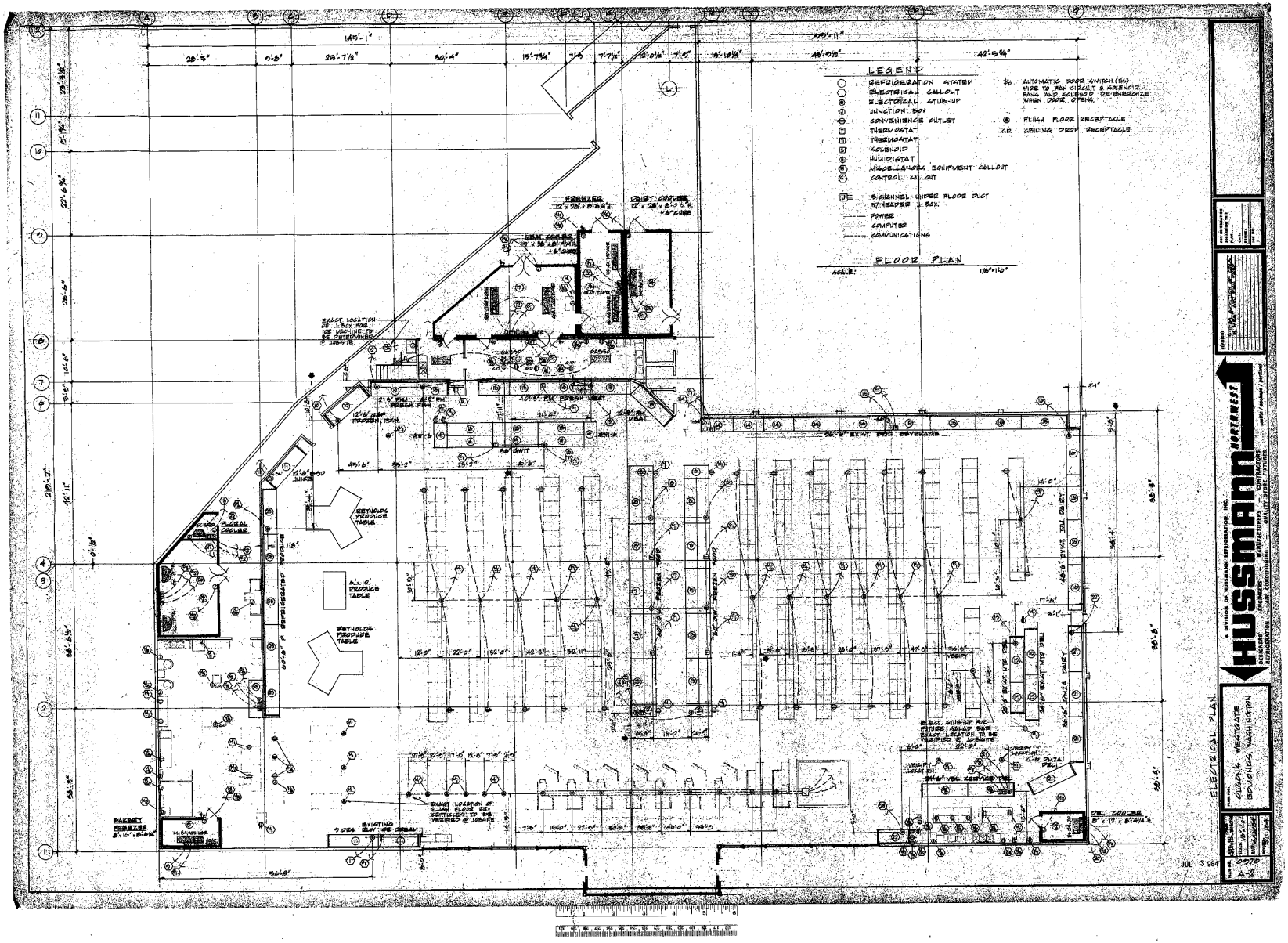

FLOOR PLAN
SCALE:
HVAC
#840316
OSENS
22828 100' AIL W
JUL 3 1984
HUSSMANN
A DIVISION OF FIDELITY REFRIGERATION, INC.
FIXTURE FLOOR PLAN
PRODUCE COOLER
FLORAL COOLER
PRODUCE PREP
REYNOLDS PRODUCE TABLE
6'-10" PRODUCE TABLE
BAKERY PREP
BAKERY COOKER
BAKERY FREEZER
(5) 4'x8' BAKERY TABLES
BAKERY CASES
7' OPEN SLIM ICE CREAM
MEAT PREP
FISH PREP
FROZEN FISH
FROZEN MEAT
BULK ONLY
JUICE MACHINE
ICE MACHINE
OFFICE
DELI
DELI PREP
24'-6" VBL SERVICE DELI
DELI COOLER
OVAL SERVICE DELI
EXISTING


LEGEND
REFRIGERATION SYSTEM
ELECTRICAL CALLOUT
ELECTRICAL STUB-UP
JUNCTION BOX
CONVENIENCE OUTLET
THERMOSTAT
THERMOSTAT
SOLENOID
HUMIDISTAT
MISCELLANEOUS EQUIPMENT CALLOUT
CONTROL CALLOUT
4-CHANNEL UNDER FLOOR DUCT W/ HEADER J-BOX.
POWER
COMPUTER
COMMUNICATIONS
AUTOMATIC DOOR SWITCH (BA) WIRE TO FAN CIRCUIT & SOLENOID. FAN AND SOLENOID DE-ENERGIZE WHEN DOOR OPENS.
FLUSH FLOOR RECEPTACLE
CEILING DROP RECEPTACLE
FLOOR PLAN
SCALE: 1/8"=1'0"
ELECTRICAL PLAN
HUSSMANN NORTHWEST
A DIVISION OF HUSSMANN REFRIGERATION, INC.
DESIGNERS — ENGINEERS — MANUFACTURERS — CONTRACTORS
REFRIGERATION — AIR CONDITIONING — QUALITY STORE FIXTURES
GLADYS WEYGLOTZ
BELLINGHAM, WASHINGTON
JUL 3 1984
0070

ELECTRICAL SCHEDULE — HUSSMANN EQUIPMENT

SYSTEM NUMBER	SYSTEM DESCRIPTION	CASES MODEL NUMBER	CASES LENGTH	CASES QUANTITY	CASES TOTAL LIN. FT.	120 VOLT CIRCUITS ELECTRICAL NUMBER	CYCLING ANTI-SWEAT HEATERS AMPS PER CASE	CYCLING ANTI-SWEAT HEATERS TOTAL AMPS	EARS AND CONSTANT ON HEATERS AMPS PER CASE	EARS AND CONSTANT ON HEATERS TOTAL AMPS	CASE LIGHTS AMPS PER CASE	CASE LIGHTS TOTAL AMPS	208 VOLT DEFROST HEATERS ELECTRICAL NUMBER	VOLTAGE / PHASE	TOTAL LINE CURRENT FOR 208 VOLT 3 PHASE L1	L2	L3	WALK-IN COOLER/FREEZER COILS ELECTRICAL NUMBER	MODEL NUMBER	QUANTITY	VOLTAGE / PHASE	CONTROL LINE AMPS PER COIL	FAN MOTOR AMPS PER COIL	LIGHTS AMPS PER COIL	DRAIN PAN HEATERS AMPS PER COIL	DRAIN PAN HEATERS TOTAL AMPS	TOTAL AMPS	COIL DEFROST HEATERS ELECTRICAL NUMBER	VOLTAGE / PHASE	AMPS PER COIL	TOTAL AMPS	CONDENSING UNIT ELECTRICAL NUMBER	MODEL NUMBER	HORSEPOWER	VOLTAGE / PHASE	MIN. CIRCUIT AMPACITY	REMARKS
1	ICE CREAM	PLW	100' 15'	1	25.0'	1	2.5 2.5	15.5	1.5 3.4	16.7	4.5 9.7	10.15																								
2	ICE CREAM	AWIB-C	6'	2	12'	2	-	-	2.2	4.4	-	-																								
3	FREEZER 12'x 28'																	3	M-MUPWX08	2	120/1	3	1.1	3.5	3.7	7.4	7.4									THIS UNIT REQUIRES A 250V/1Ø CIRCUIT CONNECTED TO SYSTEM A
4	FROZEN MEAT	AWIT 1/2	12'	3	48'	4	-	-	3.0	15.2	4.6	18.8																								
5		AWI	6'	2		5			2.2		-																									
6	FROZEN FOOD	AWI	12'	3	36'	6	-	-	7.2	21.6	5.2	27.6																								
7	FROZEN FOOD	AWI	12'	2	30'	7	-	-	7.2	16.6	5.2	16.4																								
8			6'			8			2.2		-																									
9	FROZEN FOOD	AWI	12'	3	36'	9	-	-	7.2	21.6	5.2	27.6																								
10	FROZEN FOOD	AWI	12'	2	30'	10	-	-	7.2	16.6	5.2	16.4																								
			6'						2.2		-																									
11	BAKERY FREEZER																	5	M-MUPWX08	1	120/1	3	1.1	3.5	7.0	7.0	7.0									
12	FROZEN FISH	WBF	12'	1	12'	12					2.5	2.5																								
13	JUICE	BOD	12'	1	12'	13	1.2	1.2	2.0	2.0	12.1	12.1																								
14	FRESH FISH	FFM	12'	1	12'	14	1.8	1.8	3.0	3.0	8.0	8.0																								
	PULL SYSTEM																																			
15	FRESH FISH		6'	3	52'	15	1.8	4.6	1.2	4.8	2.0	17.4																								
	FRESH MEAT	FU	12'	3			1.8		1.6		2.7																									
16	DAIRY / BEVERAGE	BOD	12'	3	48'	16	1.2	4.8	2.0	7.0	12.1	46.2																								
			8'	3			1.2		1.3		8.0																									
17	DAIRY / BEVERAGE	BOD	12'	4	48'	17	1.2	4.8	2.0	8.0	12.1	48.4																								
18	DELI	JVM	12'	4	48'	18	-	-	1.7	7.6	12.0	48.0																								
19	MEAT COOLER 16'x 30'																																			
20	FRESH MEAT	AWIT 1/2	12'	3	36'	20	-	-	3.6	12.6	4.6	16.8						11	M-TUDWX08	2	120/1	6	.5	6.4	12.0	24.0	24.0									
21	DELI	MTO	12'	3	44'	21	-	-	2.6	9.4	-	-																								
			8'						1.6																											
22	DELI COOLER 8'x 12'																	22	M-TUDW	1	120/1	2	1.1	2.2			2.2									
23	DELI	VBL	12'	2	24'	23	-	-			1.3	2.6																								
24	DELI	DWZ	12'	4	48'	24	-	-	2.8	9.7	14.0	56.0																								
25	DELI	DWZ	8'	1	8'	25	-	-	1.6	1.6	10.0	10.0																								
26	PRODUCE	P	12'	5	60'	26	-	-	1.6	8.0	1.2	6.0																								
27	DETAINERS	PERSHAL ADP.	-	-	-	27	-	-	2.0	2.0	-	-																							UP + 115°	
28	DAIRY COOLER 12'x 28'																	28	M-MUPW	1	120/1	4	.5	4.4			4.4									
	PULL SYSTEM																																			
29	PRODUCE FLR. 16'x 28'																	29	M-TUDW	2	120/1	1	.5	2.0			2.0									
30	FLORAL DIS. 8'x 9'																	30	M-TUDW	1	120/1	1	2.7	2.7			2.7									
31	HEAT PUMP HIGH PRESS																	31	M-TUDW	1	120/1	2	.5	1.6			1.6									
																			M-TUDW	1	120/1	4	.8	5.2												

ELECTRICAL SCHEDULE — MISCELLANEOUS EQUIPMENT

ELECTRICAL NUMBER	DESCRIPTION	MODEL NUMBER	VOLTAGE / PHASE	HORSEPOWER	WATTS	AMPS.	REMARKS
1	POWER SUPPLY		120/1Ø			20.0	
2	WALK-IN LIGHTS		120/1Ø			10.0	
3	FREEZER DOOR HEATER		120/1Ø			10.0	
4	DRY BAKERY CASE		120/1Ø			10.0	FLOOR SPOT-UP LIGHTS
5	ICE MACHINE	SERTOMA VIL-FS-400	208/1Ø			20.0	
6	REF. BAKERY CASE		120/1Ø			10.0	
7	SLICER		120/1Ø			10.0	
8	DELETE						
9	DIVIDER		208/3Ø				CEILING DROP OUTLET
10	ROUNDER		120/1Ø				CEILING DROP OUTLET
11	PAN WASHER		208/3Ø			30.0	UP + 48"
12	STEAM GENERATOR		208/3Ø			50.0	UP + 115"
13	MIXER						AT BOL BY HOBART
14	DONUT FRYER		120/1Ø				
15	PROOF BOX		208/1Ø			40.0	UP + 115"
16	OVEN		120/1Ø			12.0	UP + 115"
17	STAR PIZZA PREP		120/1Ø			11.0	
18	SCHEERMATIC DOUGHNUT FRYER		208/3Ø 220/1Ø			20.2	
19	SOLDATHERM TRAVELING OVEN		208/1Ø		3000	16.4	
20	MICROWAVE OVEN - AMANA		120/1Ø		2100		
21	PIZZA OVEN		120/1Ø		2100	15.0	2 OVENS
22	COFFEE MACHINE - BUNN		120/1Ø		2200		
23	GLOBE SLICER		120/1Ø				
24	CHEESE WRAPPER		120/1Ø		500		
25	VILLO PIZZA WRAPPER		120/1Ø		600		
26	WELLS HOT KETTLE		120/1Ø		640	15.7	

ELECTRICAL NUMBER	DESCRIPTION	MODEL NUMBER	VOLTAGE / PHASE	HORSEPOWER	WATTS	AMPS.	REMARKS
27	SANDWICH PREP TABLE		120/1Ø	1/6		5.0	
28	COMBINATION HOT TABLE	EHS	208/1Ø 120/1Ø		1463 1811	12.1 TOTAL	LOWER WATTAGE
29	MONITOR SLICER	614	120/1Ø			4.0	
30	HOBART CUBER	401	120/1Ø			5.0	
31	HOBART SCALE	3006	120/1Ø			0.5	
32	HOBART WRAPPING MACH.		120/1Ø			0.5	CEILING DROP
33	HOBART T.L.A.		120/1Ø			6.4	" "
34	HOBART MIXER	5216	208/1			2.5	" "
35	HOBART GRINDER	4418	208/3Ø			22.0	" "
36	STONE MIXER	600J	208/3Ø	5HP			
37	AIR HANDLER BUNN	RSA1ALF	460/1Ø	20HP			
38	A/C CONDENSING UNIT BUNN	RSC1AP	460/1Ø			15.0	AC-1
39	BAKERY EXHAUST FAN	149 BRTD	115 V/1Ø	1/8HP			EF-1
40	DELI EXHAUST FAN	144 BRTD	115 V/1Ø	1/6HP			EF-2
41	MACH. ROOM EXHAUST FAN	SIMPLEX ABC 5CM1A	460/1Ø	2HP			EF-3
42	BEATROOM EXHAUST FAN	DEGAN 500	120/1Ø				EF-4 & 5

CONTROL WIRING SCHEDULE

ELECTRICAL NUMBER	DESCRIPTION	ACCESSORY	VOLTAGE / PHASE	WIRE SIZE	SUPPLIED BY	REMARK
1	THERMOSTAT	T	120/1Ø			WIRE SUN TO COMP. CONTROL PANEL
2	THERMOSTAT	T	120/1Ø			WIRE IN ASSEMBLY W/ SOLENOID TO MAIN POWER PANEL
3	SOLENOID	S	120/1Ø			WIRE IN ASSEMBLY W/ THERMOSTAT TO MAIN POWER PANEL
4	THERMOSTAT	T	24V/1Ø			CONNECT TO TERMINALS 11 & 12 ON VIEW PANEL
5	HUMIDISTAT	H	24V/1Ø			CONNECT TO TERMINAL BLOCK 24 IN VIEW PANEL

ELECTRICAL SCHEDULE — HUSSMANN EQUIPMENT

ELECTRICAL NUMBER	DESCRIPTION	MODEL NUMBER	VOLTAGE / PHASE	HORSEPOWER	WATTS	AMPS.	REMARKS
1	BAGEL DOUGH COOLED UNIT HTR.	RESNOR BBH-75	120/1Ø			3.0	UH-1 & 2
2	A/M. FREEZ. DIST. HEATERS	RESNOR K-402	120/1Ø			.17	DH-1
3	LOW TEMP. CONDENSER	HACO-DSM	460 V/3Ø			5.6	
4	MED TEMP. CONDENSER	HACO-SSM	460 V/3Ø			12.0	
5	BAKERY MAKE-UP AIR UNIT	RESNOR HBB100	120V/1Ø			18.6	MU-1

ELECTRICAL NOTES

1. Use materials and methods of installation that conform to all applicable codes and ordinances.
2. No aluminum wire shall be used to connect any Hussmann furnished equipment.
3. Verify location of electrical wiring for refrigerated cases with refrigeration contractor before installation of conduit.
4. Exposed wiring of conduit in coolers, refrigerated cases, or freezers shall be of Hussmann approved conduit.
5. Contact all blower and fan motors located in walk-in boxes to alongside thermostat.
6. Furnish and install conduit, wire nutters, etc. for refrigeration cases and service connections. Conduit shall be installed in such a manner as to prevent condensation of moisture. Conduit shall not contain any exposed electrical connectors, splices, nutters, etc., which are not specifically approved by Hussmann.
7. Assume the responsibility and obligation of providing all conduit and wiring from a point of distribution to location. Upon completion of wiring, the contractor shall test all circuits for continuity, grounds, and shorts. Correct any defects in equipment, by making use of circuits and correcting wiring errors.
8. Mount and/or connect all thermostats, potentials and other electrical controls furnished by Hussmann in accordance with manufacturer's instructions. Connect all motors, controls and other equipment furnished by Hussmann.
9. Furnish and install all conduit, wire, nutters, etc. for all Hussmann fans, motors, heater and/or control equipment, disconnects and all other fixtures as required. These fixtures are furnished by others and installed by the electrical contractor.
10. All conduit for refrigerated cases under building floor slab to be minimum 1" rigid conduit.
11. All fluorescent cases have either one or three electrical circuits to be provided. Connect all fluorescent heaters and fans and to be wired to a common junction box.
12. Electrical contractor shall be responsible for providing and installing all electrical connections to Hussmann furnished equipment.
13. Conduit and wiring for fan motors and heaters shall be provided and installed by the electrical contractor.
14. Electrical contractor shall be responsible for providing and installing all electrical connections to Hussmann furnished equipment.
15. (A) Where a general wiring schematic is provided, it shall be understood that the electrical contractor is responsible for providing and installing all electrical connections required between terminal boxes, panels and equipment furnished by Hussmann. Wiring shall be in accordance with Hussmann wiring diagrams and specifications. Where a general wiring schematic is not provided, the electrical contractor shall be responsible for all connections.

(B)(1). This electrical information is the property of Hussmann Northwest, Inc. It is for the use of persons persons selected by Hussmann to bid or make price and specifications, and is provided at cost requirements for information, as construction aid, and for use in the construction of the building in which Hussmann equipment is to be installed. It is the responsibility of the architect, electrical and mechanical engineers and contractors accuracy of all dimensions and specifications of the Hussmann equipment.

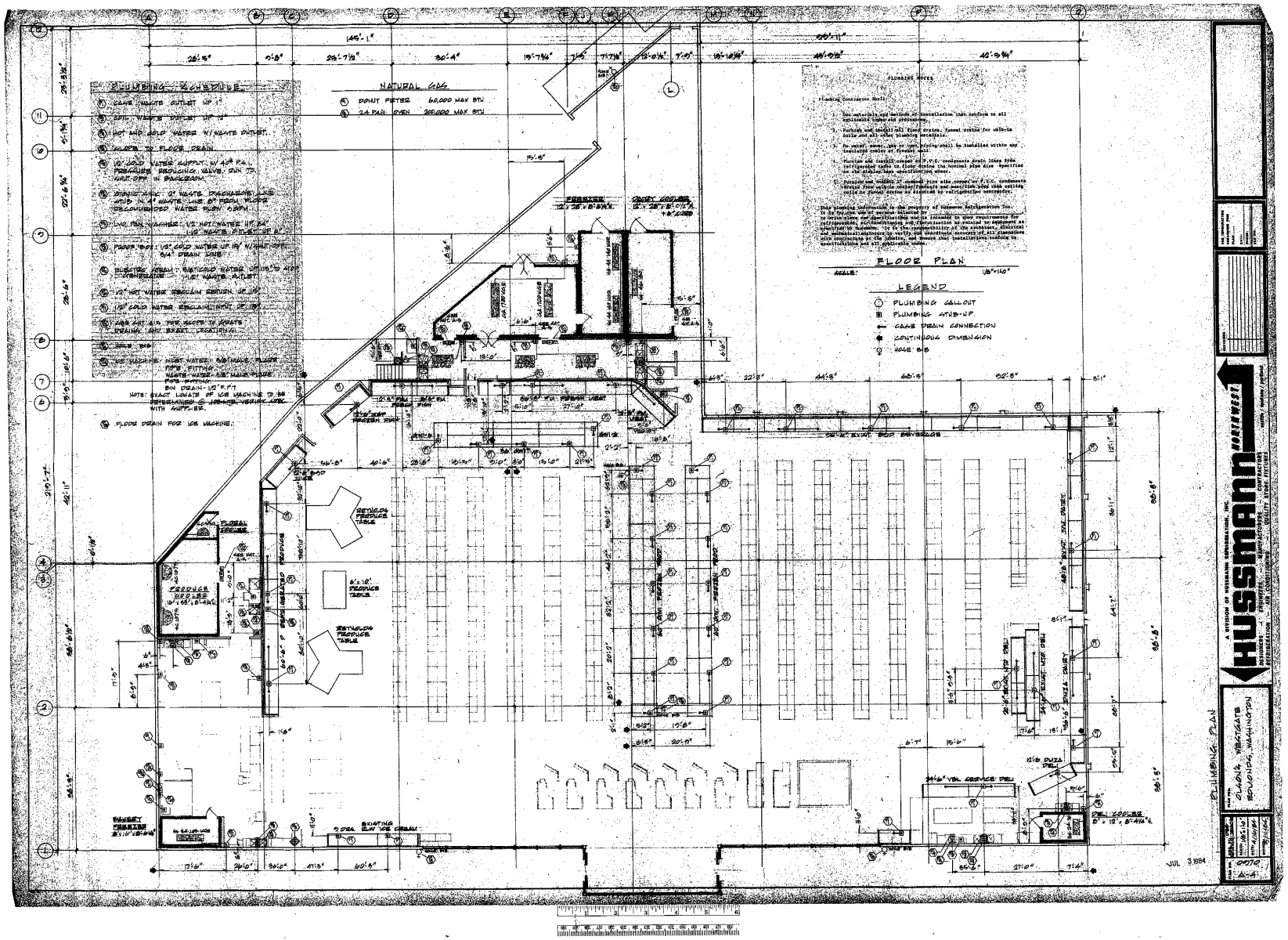
(B)(2). Hussmann Northwest, Inc. assumes no responsibility for any electrical work or equipment not furnished by Hussmann Northwest, Inc.

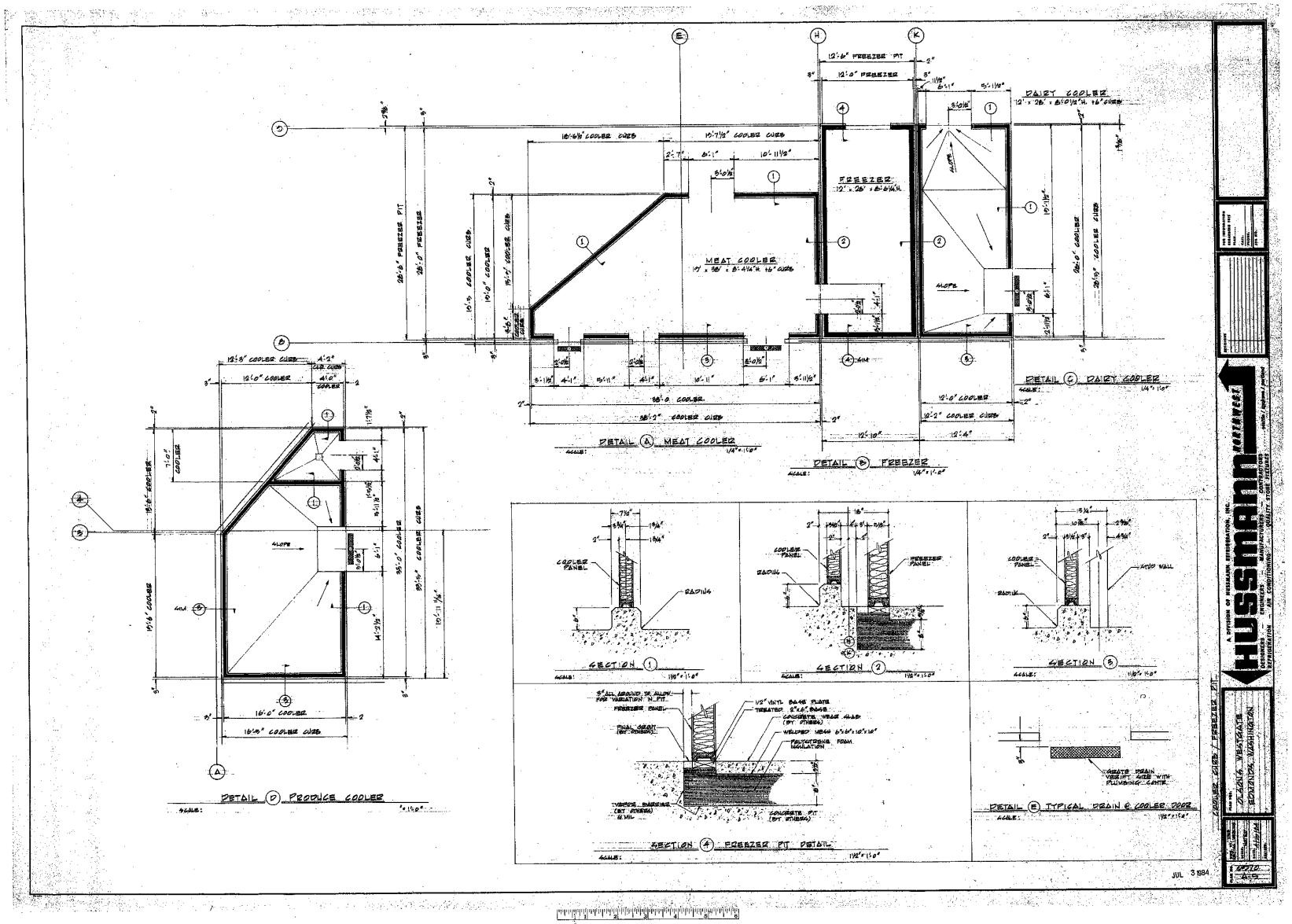
JUL 3 1984

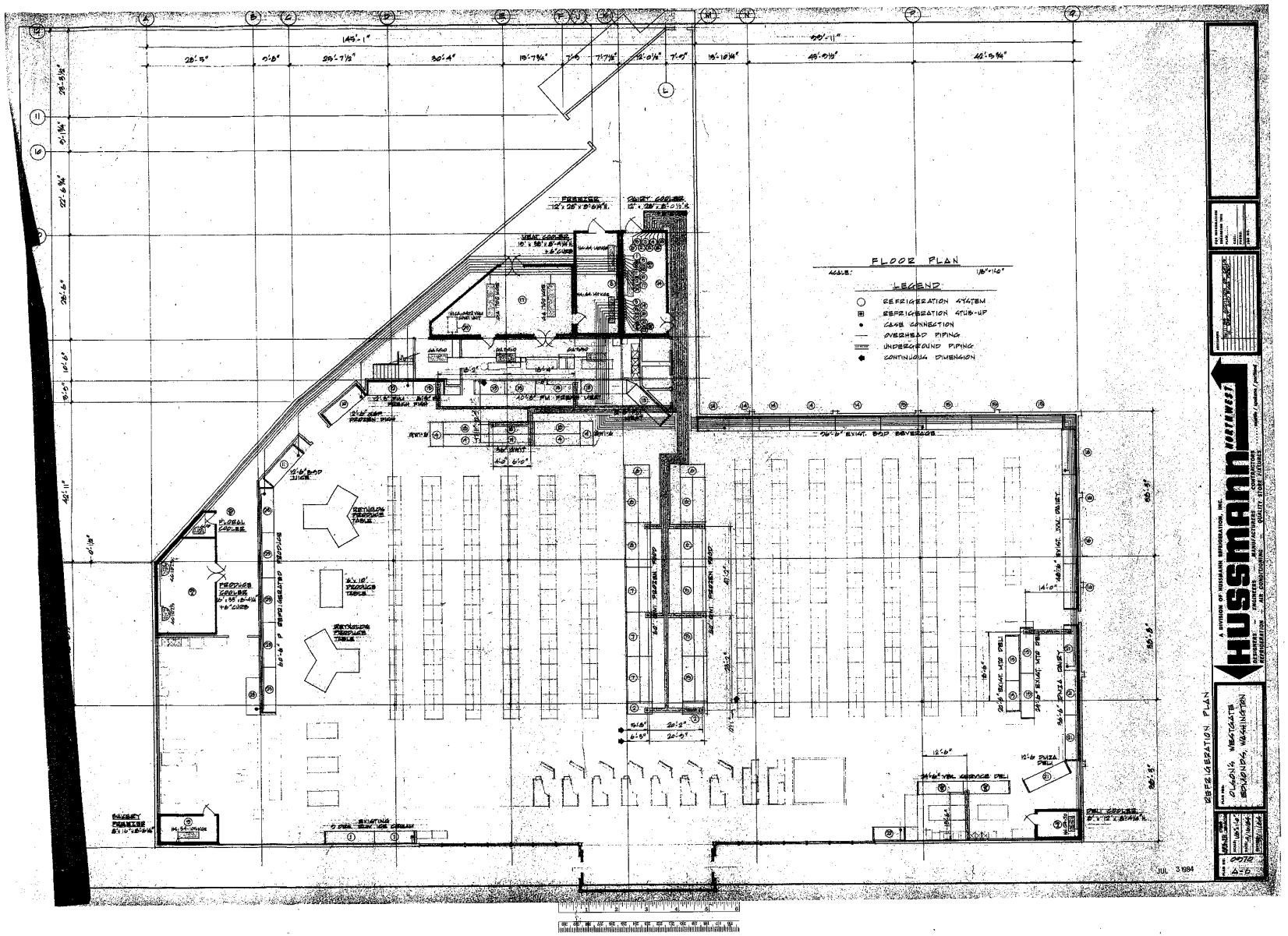
A DIVISION OF HUSSMANN REFRIGERATION, INC.
HUSSMANN NORTHWEST
DESIGNERS — ENGINEERS — MANUFACTURERS — INSTALLERS
QUALITY STORE FIXTURES
SEATTLE / SPOKANE / PORTLAND

ELECTRICAL SCHEDULE

PLAN NO. 0070


PLUMBING SCHEDULE
NATURAL GAS
DONUT FRYER 60,000 MAX BTU
24 PAN OVEN 200,000 MAX BTU
PLUMBING NOTES
FLOOR PLAN
SCALE: 1/8"=1'-0"
LEGEND
PLUMBING CALLOUT
PLUMBING STUB-UP
CAGE DRAIN CONNECTION
CONTINUOUS DIMENSION
HOSE BIB
FLOOR DRAIN FOR ICE MACHINE.
FREEZER
DAIRY COOLERS
PRODUCE DISPLAY
RETAILER PRODUCE TABLE
6'x10' PRODUCE TABLE
BAKERY FREEZER
EXISTING SLW ICE CREAM
DELI COOLERS
PIZZA OVEN
JUL 3 1984
A-4
HUSSMANN NORTHWEST
A DIVISION OF HUSSMANN REFRIGERATION, INC.
DESIGNERS - ENGINEERS - MANUFACTURERS - CONTRACTORS
REFRIGERATION - AIR CONDITIONING - QUALITY STORE FIXTURES
PLUMBING PLAN
SAFEWAY STORES
ELLENSBURG, WASHINGTON


MEAT COOLER
FREEZER
DAIRY COOLER
DETAIL (A) MEAT COOLER
DETAIL (B) FREEZER
DETAIL (C) DAIRY COOLER
DETAIL (D) PRODUCE COOLER
SECTION (1)
SECTION (2)
SECTION (3)
SECTION (4) FREEZER PIT DETAIL
DETAIL (E) TYPICAL DRAIN @ COOLER DOOR
COOLER PANEL
FREEZER PANEL
RADIUS
SLOPE
JUL 3 1984
HUSSMANN
A DIVISION OF HUSSMANN REFRIGERATION, INC.
DESIGNERS — ENGINEERS — MANUFACTURERS — CONTRACTORS
REFRIGERATION — AIR CONDITIONING — QUALITY STORE FIXTURES



REFRIGERATION PLAN

A DIVISION OF HUSSMANN REFRIGERATION, INC.
HUSSMANN NORTHWEST
MANUFACTURERS OF COMMERCIAL REFRIGERATION AND AIR CONDITIONING
QUALITY, STORE FIXTURES
ST. LOUIS / PORTLAND / SEATTLE

FOR USE ON
CLARK'S WESTGATE
BELLINGHAM, WASHINGTON

DRAWN BY: MPA/RJ
SCALE: 1/8"=1'-0"
DATE: 4/16/84
REVISED: 5/18/84

DRAWING NO.
A-5

UNIT LTR	SYSTEM DIAGRAM	SYSTEM DESCRIPTION	SUCTION TEMP.	REQUIRED CAPACITY BTU / HR.	SUCT. PRESS.	CONDENSING UNIT MODEL NO	CONDENSING UNIT CAPACITY	SUCT. TRAP VERT. RISER	SUCT. TRAP HORIZ. RISER	SUCT. TRAP HORIZ. MAIN	EXP. VALVES SUCTION TRACKING INSTALL	EXP. VALVES FIELD INSTALL	COND. VALVES VALVE NUMBER	COND. VALVES OTHER	UNIT COOLERS EVAPORATORS QTY	UNIT COOLERS EVAPORATORS MODEL	UNIT COOLERS EXP. VALVES QTY	UNIT COOLERS EXP. VALVES MODEL	LINE SIZES TO SYSTEM REQ'D CAPACITY	TO SYSTEM LIQUID	TO SYSTEM SUCTION	TO SYSTEM NOTE	TO SYSTEM LIQUID	TO SYSTEM SUCTION	TO SYSTEM NOTE	TO CONDENSER REQ'D CAPACITY	TO CONDENSER LIQUID	TO CONDENSER SUCTION	TO CONDENSER H.G.	TO CONDENSER EQUAL	TO HEAT RECLAIM REQ'D CAPACITY	TO HEAT RECLAIM LIQUID	TO HEAT RECLAIM SUCTION	TO HEAT RECLAIM EQUAL	CONNECTION SIZES LIQUID	CONNECTION SIZES SUCTION	CONNECTION SIZES DRAIN	CONNECTION SIZES RETURN
S1	1	ICE CREAM 8' PRA ELW	-12°	16,200	-35°	PRD-0760	20,200		✓					T-STAT					446'	320'		5/8"	1 5/8"	-												1/2"	1 5/8"		
S2	2	ICE CREAM 12' GWI-60	-20°	4,400	-30°	BAA 0150 HET-	4670		✓					T-STAT					288'	170'		1/2"	7/8"	5/8"												1/2"	1 5/8"		
	3	FREEZER 12' x 28'	-15°	19,900	-22°				✓					T-STAT	2	HGAA-142KAE	2	SREDI2IZP	49'	35'		1/2"	1 5/8"	-												1/2"	1 5/8"		
	4	FROZEN 1/2 56' GWIII HEAT 12' GWI-6	-10°	18,200	-20°				✓					T-STAT					210'	150'		1/2"	1 5/8"	1 1/8"												1/2"	1 5/8"		
	5	FROZEN FOOD 36' GWI	-10°	19,800	-20°				✓					T-STAT					291'	165'		1/2"	1 5/8"	1 5/8"												1/2"	1 5/8"		
	6	FROZEN FOOD 6' GWI-6 24' GWI	-10°	14,850	-20°				✓					T-STAT					189'	135'		1/2"	1 5/8"	-												1/2"	1 5/8"		
	7	FROZEN FOOD 36' GWI	-10°	19,800	-20°				✓					T-STAT					291'	165'		1/2"	1 5/8"	1 5/8"												1/2"	1 5/8"		
	8	FROZEN FOOD 6' GWI-6 24' GWI	-10°	14,850	-20°				✓					T-STAT					189'	135'		1/2"	1 5/8"	-												1/2"	1 5/8"		
	9	BAKERY FREEZER 8' x 16'	-5°	9,200	-15°				✓		12			T-STAT	1	HGAA-105KAE	1	SREDI2IZP	350'	250'		1/2"	1 5/8"	1 1/8"												1/2"	1 1/8"		
	10	FROZEN FISH 12' GGF	-5°	15,480	-13°				✓		12								147'	105'		1/2"	1 5/8"	-												1/2"	1 1/8"		
	11	JUICE 12' DDD	30°	15,120	+10°				✓		12								182'	130'		1/2"	1 5/8"	-												1/2"	1 1/8"		
	12	FISH 12' FHM	22°	18,540	+11°				✓		12								195'	135'		1/2"	1 5/8"	-												1/2"	1 1/8"		
A		PLUS SYSTEM A		160,740		DAIKHRLLK	177,600																								60'	40'	2 1/8"	2 1/8"	7/8"	20'	2 1/8"	1 5/8"		1 5/8"	1 1/8"
	13	FISH 8' FM MEAT 48' FM	22°	29,440	9°				✓					T-STAT					140'	100'		5/8"	1 5/8"	1 1/8"	3/8" 1/2" x 5/8"	40' TO FISH CASE & 40' TO MEAT CASES											1/2"	1 5/8"		
	14	DAIRY BEVERAGE 48' DDD	30°	60,480	10°					✓				T-STAT					182'	190'		7/8"	2 1/8"	1 5/8"													1 1/2"	1 5/8"		
	15	DAIRY BEVERAGE 48' DDD	30°	60,480	10°					✓				T-STAT					262'	180'		7/8"	2 1/8"	1 5/8"													1 1/2"	1 5/8"		
	16	DELI 48' JVM	35°	69,600	15°					✓	30								292'	250'		1/2"	2 1/8"	-													1/2"	1 5/8"		
	17	MEAT COOLER 18' x 36'	28°	33,400	18°				✓		12			T-STAT	2	HGAA-105KAE	2	SREDI5C	91'	65'		5/8"	1 5/8"	-													1/2"	1 1/8"		
	18	FRESH MEAT 1/2 56' GWIT	24°	8,750	18°				✓		12								210'	150'		3/4"	1 1/8"	7/8"													1/2"	1 1/8"		
	19	DELI 44' MTO	26°	25,380	20°						12								371'	265'		5/8"	1 5/8"	1 3/8"													1/2"	1 1/8"		
	20	DELI COOLER 8' x 12'	34°	8,900	30°					✓				T-STAT VALVE	1	HGAA-70	1	SREDI5C	40'	290'		1/2"	1 1/8"	7/8"													1 1/2"	1 5/8"		
	21	SERVICE DELI 24' VDL	34°	6,000	30°									T-STAT VALVE					21'	15'		1/2"	7/8"	5/8"																
	22	DELI 48' DMZ	35°	76,560	21°					✓	15								378'	270'		3/4"	2 1/8"	-													1/2"	1 5/8"		
	23	DELI 8' DMZ	35°	12,960	21°					✓	12								449'	355'		1/2"	1 1/8"	7/8"													1/2"	1 1/8"		
	24	PRODUCE RETARDER	37°	51,700	29°					✓	12								378'	195'		1/2"	7 1/8"	1 5/8"													1/2"	1 1/8"		
	25	DAIRY COOLER 12' x 28'	36°	17,400	29°					✓	12			T-STAT	1	HGAA-180	1	SREDI5C	95'	95'		1/2"	1 1/2"	-													1/2"	1 1/8"		
D		PLUS SYSTEM D		429,950		DSO-1R5K	458,500																								60'	40'	2 5/8"	2 1/8"	7/8"	20'	2 1/8"	2 1/8"		1 5/8"	1 5/8"
	26	PRODUCE COOLER 16' x 28'	40°	19,100	32°					✓				T-STAT VALVE	2	RC1075	2	SREDI0C	42'	30'		1/8"	1 1/8"	-													1 1/2"	1 5/8"		
	27	FLORAL COOLER 8' x 9'	40°	5,100	32°									T-STAT VALVE	1	SC1550	1	SREDI0C	20'	130'		5/8"	1 5/8"	1 1/8"																
S3		SATELITE		24,200		HAT 305 RSK	33,000																																	
	28	FISH PREP MEAT PREP	50°	30,180	50°	HCA 045 VHM	41,800							T-STAT	2	CA 550	2	0-31 / 10 PSI 0-15 / 18 PSI	67'	44'		1/2"	1 1/8"	1 1/8"																

CONDENSING UNITS

	UNIT LTR	NO. OF COMPR.	FACTORY TEST	AMBIENT DEG.	DESIGN SUCT. TEMP.	DESIGN LIQUID TEMP.	REFRIGERANT	MANUAL OF OIL CONT.	CONDENSER MFG.	MAXIMUM CAPACITY
COD	S1	1	-55°	22,200	90,300	100°	502	7½		
COD	S2	1	-35°	4,670	8,280	100°	502	1½		
COD	A	4	-26°	177,600	259,900	100°	502	10		
COD	B	5	7°	480,500	659,000	105°	502	15		
COD	S3	1	30°	33,000	49,600	105°	502	3		
COD	SBUTE	1	30°	12,000	–	–	22	4		

CONDUIT CONDUCTORS

	NAME/CODE	UNIT LTR	TO	DISTANCE	CIRCUITS	VOLTS	CONDUCTOR SIZE	WIRE TYPE	WIRE NAME	LENGTH	WIDTH	HEIGHT	CONDUIT WEIGHT
COD	HGD-.60	S1, S2, A		0.3"	332,780	ALL	DP	3/4	460/3	9.6'	14.1"	6.6'	4.7" 2601
COD	HGD-.75	B, S3		15.1"	698,600	ALL	DD	3/4	460/3	12.5'	18.4"	7.6'	5.9" 3500

NOTES:

(1) For further information, refer to the applicable section of the Refrigeration Specification and accompanying drawings.

(2) Refrigerant capacity is an estimate only. In lieu of more definitive information, use this capacity.

(3) The information supplied by the food supplier.

(4) Liquid length is the approximate distance from the top of the condenser or receiver to the liquid solenoid valve or line. The pipeline distance from the condenser or receiver to the liquid solenoid valve may have more elevation. When so, the length of the liquid line should be increased by the equivalent elevation, taking in account the pressure drop.

(5) Refrigerant volume listed for the refrigerant charge calculation, in pounds. In lieu of information on highest 3 pounds, by a factor of 1.5 to allow for refrigerant charge in the condenser, receiver and evaporator, in addition to the pipe and fittings. The refrigerant charge calculation is based on the condenser, receiver and evaporator, in addition to the pipe and fittings. The refrigerant charge calculation is based on the condenser, receiver and evaporator, in addition to the pipe and fittings.

REQUIRE: ALL LIQUID AND SUCTION LINES TO BE INSULATED WITH 1/2" ARMAFLEX.

REV.	DATE	BY

REV.	DATE	BY

LEGEND NO.:

PREPARED BY:

DATE:

JUL 3 1984

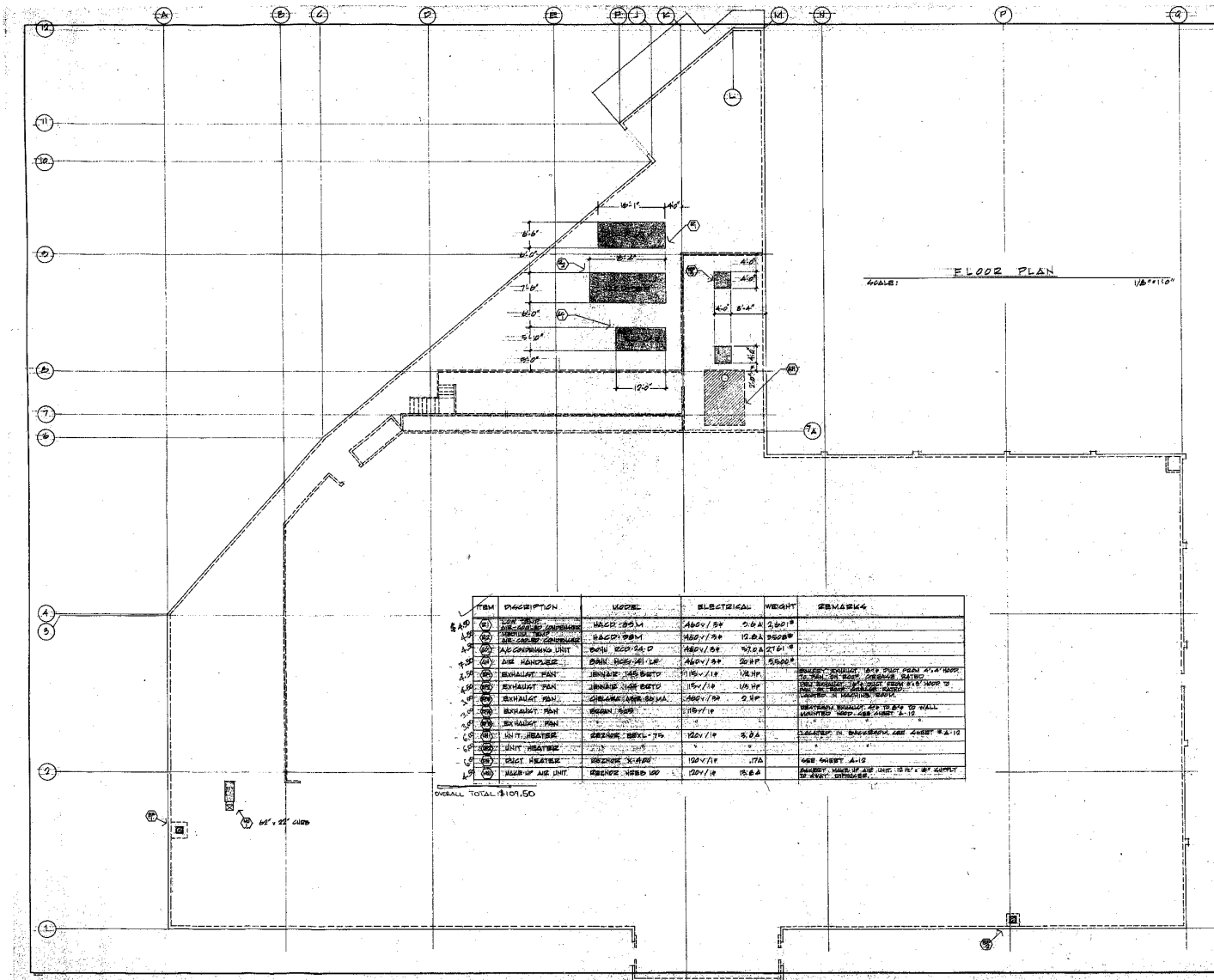
REFRIGERATION SCHEDULE

PROJECT: OLYMPIA WESTGATE
EDMONDS, WASHINGTON

DWG. NO. 0870 A-7

HUSSMANN REFRIGERATION

A DIVISION OF HUSSMANN CORPORATION, INC.
DESIGNERS ... ENGINEERS ... MANUFACTURERS ... INSTALLERS
QUALITY STORE FIXTURES
DESIGN / SERVICE / INSTALLATION



	ITEM	DESCRIPTION	MODEL	ELECTRICAL		WEIGHT	REMARKS
$4,150	(A)	LOW TEMP. AIR-COOLED CONDENSING	HACO-SBM	460V/3Ø	5.6A	2,601#	
4,150	(B)	MEDIUM TEMP. AIR-COOLED CONDENSING	HACO-PBM	460V/3Ø	12.8A	3600#	
4,750	(C)	A/C CONDENSING UNIT	BOHN RCD-24-D	460V/3Ø	43.0A	2,161#	
9,350	(D)	AIR HANDLER	BOHN HCD-41-LE	460V/3Ø	50 HP	5,600#	
2,550	(E)	EXHAUST FAN	JENNAIR JAS 8STD	115V/1Ø	1/4 HP.		SUPPLY EXHAUST, 16"ø DUCT FROM 42"x 42" HOOD TO FAN, 24" BLADE, PRESSURE RATED
4,550	(F)	EXHAUST FAN	JENNAIR JAS 8STD	115V/1Ø	1/4 HP		ONLY EXHAUST, 16"ø DUCT FROM 8'x 8' HOOD TO FAN, 24" BLADE, PRESSURE RATED. MOUNTED IN MACHINE ROOM.
3,150	(G)	EXHAUST FAN	CHICAGO AIR SP-14	460V/3Ø	0.4A		
2,150	(H)	EXHAUST FAN	BROAN 509	115V/1Ø			VENTURA QUALITY, 42"x 12"x 4" TO WALL MOUNTED HOOD. SEE SHEET A-12
2,150	(I)	EXHAUST FAN	" "	" "			
2,150	(J)	EXHAUST FAN	" "	" "			
2,150	(K)	UNIT HEATER	REZNOR RBXL-75	120V/1Ø	3.2A		LOCATED IN BACKROOM. SEE SHEET # A-12
2,150	(L)	UNIT HEATER	" "	" "			
2,150	(M)	DUCT HEATER	REZNOR SCH-100	120V/1Ø	.17A		SEE SHEET A-12
2,150	(N)	MAKE-UP AIR UNIT	REZNOR MBED 100	120V/1Ø	15.6A		MAKE-UP AIR UNIT. 12"W x 8" SUPPLY TO 4"x4" DIFFUSER.

OVERALL TOTAL: $109,150

JUL 3 1984

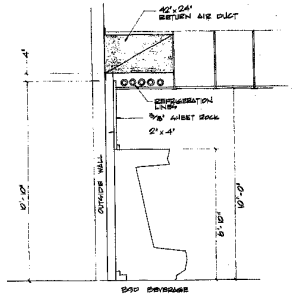
FLOOR PLAN

A DIVISION OF HUSSMANN REFRIGERATION, INC.
HUSSMANN NORTHWEST
REFRIGERATION — FIXTURES — MANUFACTURERS — CONTRACTORS — QUALITY STORE FIXTURES
AIR CONDITIONING — water / appliance / parkland

FOR CONSTRUCTION
PLAN
SECTION
DETAIL
SCHEDULE
JOB NO. 12272
SHEET NO. A-8

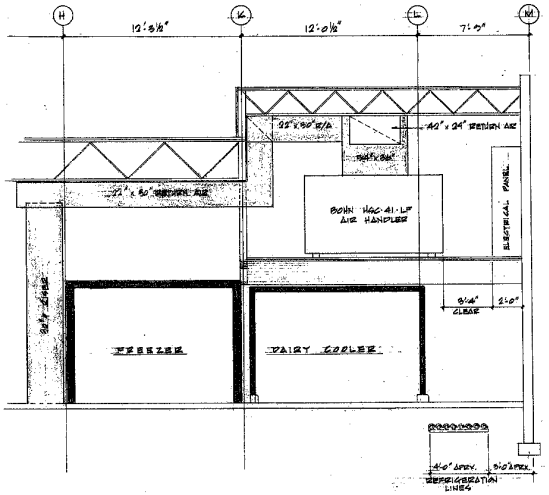
PROJECT NO. 7-5-01
DRAWN BY: TSC
CHECKED BY: TSC
DATE: 4/10/84
REVISED: 7/3/84

PROJECT: TACOMA VILLAGE
BELLINGHAM, WASHINGTON



SECTION 4/11/2 - RETURN AIR DETAIL

SCALE: 1/8"=1'-0"



SECTION 6/11/2 - MACHINE ROOM DETAIL

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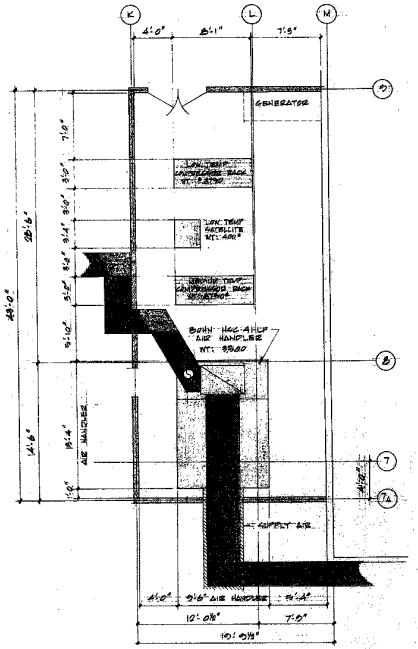
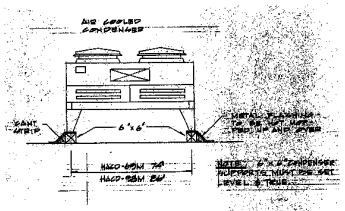
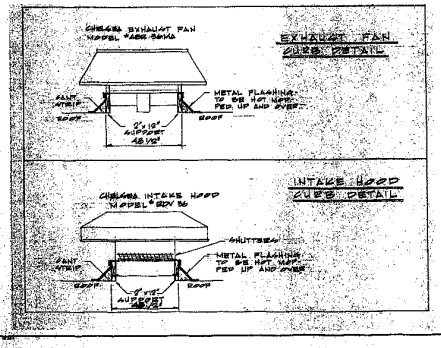


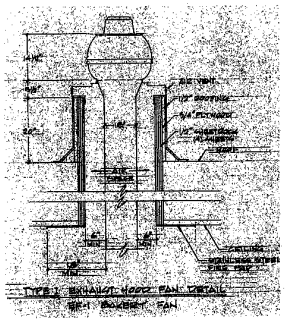
MACHINE ROOM LAYOUT

SCALE: 1/4"=1'-0"



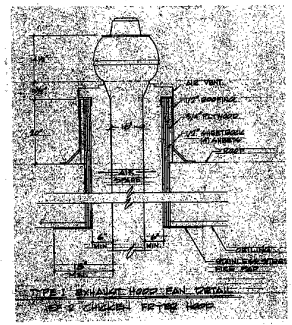
AIR COOLED CONDENSER CURB DETAIL





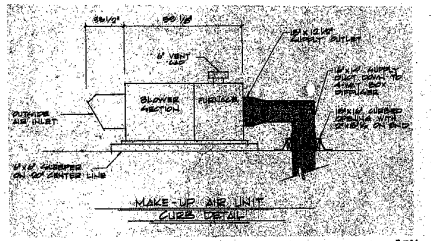
TYPE 1 EXHAUST HOOD FAN DETAIL

BY - BLOWER FAN



TYPE 1 EXHAUST HOOD FAN DETAIL

BY - CHICAGO AFTER HOOD



MAKE-UP AIR UNIT CURB DETAIL

JUL 3 1984

MACHINE ROOM LAYOUT / CURB DETAILS

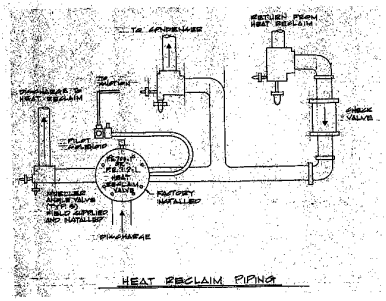
HUSSMANN REFRIGERATION

A DIVISION OF HUSSMANN CORPORATION, INC.

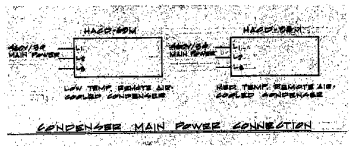
DESIGN - BUILD - MANUFACTURERS - CONTRACTORS - QUALITY FOOD SYSTEMS

REFRIGERATION - AIR CONDITIONING - SERVICE

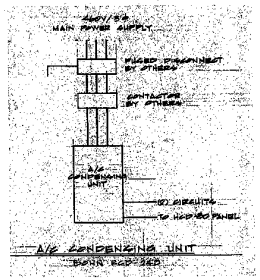
2070



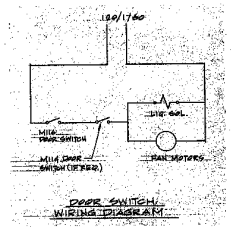
HEAT RECLAIM PIPING



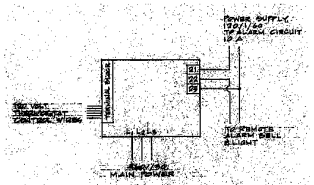
CONDENSER MAIN POWER CONNECTION



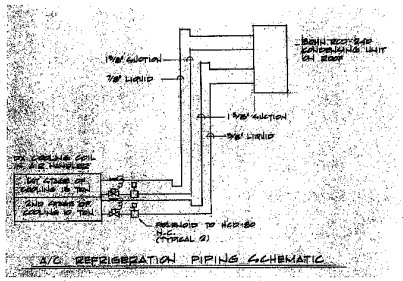
A/C CONDENSING UNIT
SUNN ECD-360



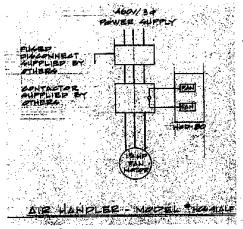
DOOR SWITCH WIRING DIAGRAM



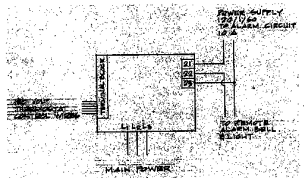
PLUS SYSTEM FIELD WIRING
UNIT A LOW TEMP.
MODEL # ECD-360



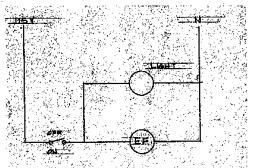
A/C REFRIGERATION PIPING SCHEMATIC



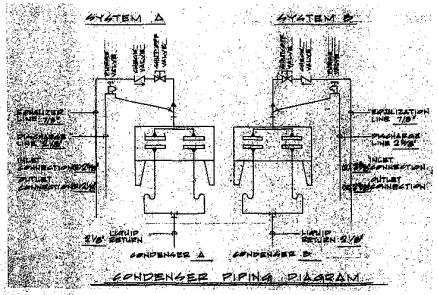
AIR HANDLER - MODEL # HCD-60/80



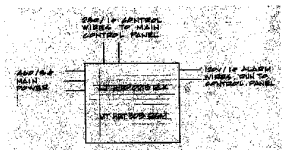
PLUS SYSTEM FIELD WIRING
UNIT B HIGH TEMP.
MODEL # ECD-360



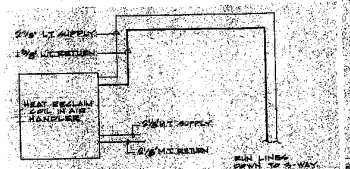
REST ROOM EXHAUST FAN & LIGHT
FIELD WIRING



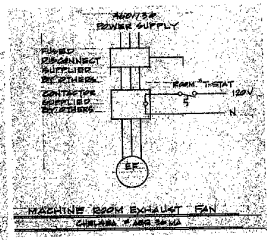
CONDENSER PIPING DIAGRAM



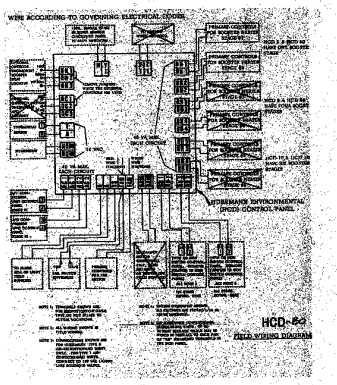
REMOTE SATELLITE
FIELD WIRING



HEAT RECLAIM PIPING SCHEMATIC



MACHINE ROOM EXHAUST FAN
CHELSEA # ARG 24 WA



JUL 3 1984

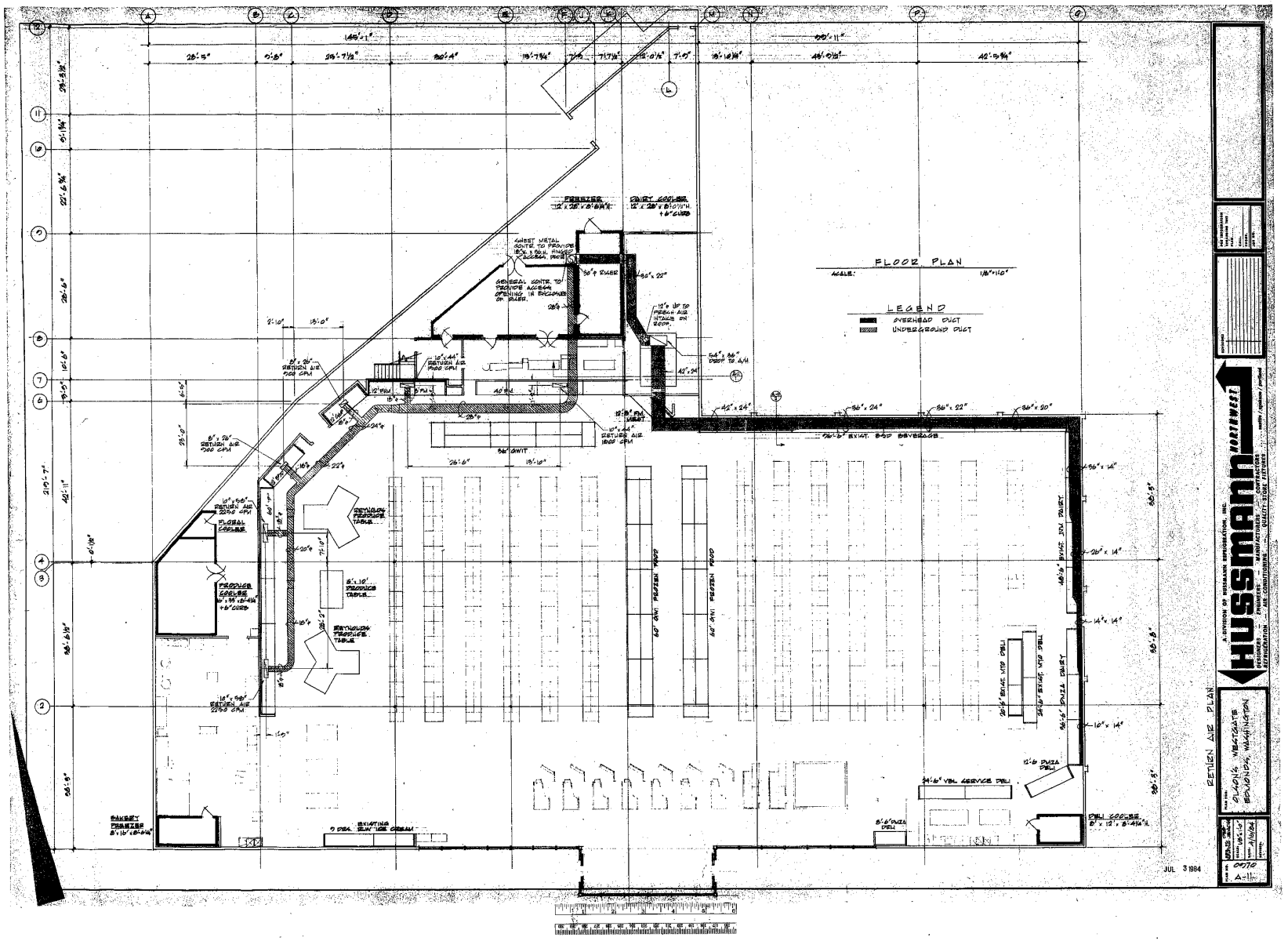
FIELD WIRING DETAILS

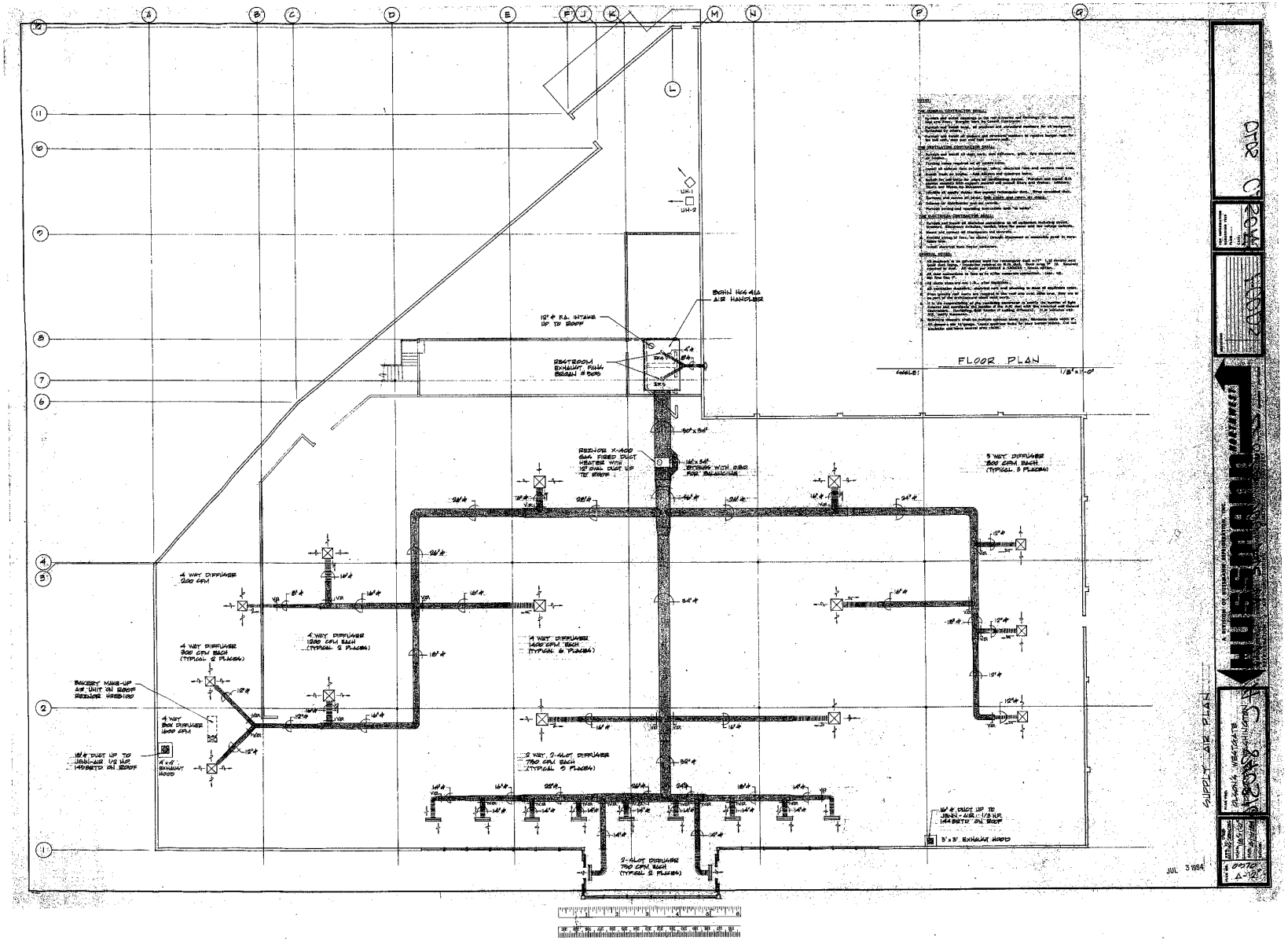
A DIVISION OF HUSSMANN INTERNATIONAL, INC.
HUSSMANN NORTHWEST
REFRIGERATION — AIR CONDITIONING — MANUFACTURERS — CONTRACTORS — QUALITY STORE FIXTURES
.....MEM / Spokane / portland

PROJECT: HOUSE, WESTGATE
EVERETT, WASHINGTON

DRAWN: Tucker
CHECKED:
DATE: 7/26/84
SCALE:

22870
DWG. A-12


FLOOR PLAN
SCALE: 1/16"=1'-0"
LEGEND
OVERHEAD DUCT
UNDERGROUND DUCT
FREEZER
12'-0" x 28'-0" x 8'-10 1/4"H.
DAIRY COOLER
12'-0" x 28'-0" x 8'-10 1/4"H.
+6" CURB
SHEET METAL CONTR. TO PROVIDE 18"x 36"H. HINGED ACCESS. PROB.
GENERAL CONTR. TO PROVIDE ACCESS OPENING IN BULKHEAD OF RAILS.
36"x 36" RAILS
48"x 22"
12" UP TO FRESH AIR INTAKE ON ROOF.
54"x 36" DROP TO A/H
42"x 24"
36"x 24"
36"x 22"
36"x 30"
36"x 14"
26"x 14"
14"x 14"
10"x 14"
8"x 26" RETURN AIR 700 CFM
10"x 44" RETURN AIR 1800 CFM
12"x 24" RETURN AIR 1800 CFM
8"x 26" RETURN AIR 700 CFM
10"x 56" RETURN AIR 2250 CFM
10"x 56" RETURN AIR 2250 CFM
FLORAL COOLER
PRODUCE COOLER
RETAILER PRODUCE TABLE
6'x 10' PRODUCE TABLE
RETAILER PRODUCE TABLE
36" DWIT
26'-6"
18'-10"
40'-0"
12'-0"
5'-0"
2'-10"
15'-0"
24"
22"
16"
20"
18"
36" DWI FROZEN FOOD
36" DWI FROZEN FOOD
26'-0" BVIAT. SOU. DAIRY
48'-0" BVIAT. SOU. DAIRY
26'-0" BVIAT. NTD DELI
24'-0" BVIAT. NTD DELI
36'-0" PIZZA DAIRY
12'-0 PIZZA DELI
24'-0" VBL SERVICE DELI
8'-6" PIZZA DELI
DELI COOLER
8' x 12' x 8'-4 1/4"H.
BAKERY FREEZER
8'-10" x 18'-0 1/4"
O DBL. BVIAT. ICE CREAM
56'-8"
56'-6 1/8"
42'-11"
21'-2"
42'-0"
28'-6"
16'-0"
22'-6 3/4"
29'-2 3/8"
0'-1 3/4"
28'-6"
16'-0"
79'-0"
56'-8"
JUL 3 1984
RETURN AIR PLAN
PLAZA WESTGATE
BELLINGHAM, WASHINGTON
HUSSMANN NORTHWEST
A DIVISION OF HUSSMANN REFRIGERATION, INC.
DESIGNERS — ENGINEERS — MANUFACTURERS — CONTRACTORS
REFRIGERATION — AIR CONDITIONING — QUALITY STORE FIXTURES
0670
A-11


FLOOR PLAN
SCALE: 1/8" = 1'-0"
SUPPLY AIR PLAN
JUL 3 1984
BRAIN HOGAN AIR HANDLER
12" ø F.A. INTAKE UP TO ROOF
RESTROOM EXHAUST FANS BRAIN & DOG
RESNOR X-400 GAS FIRED DUCT HEATER WITH 10" OVAL DUCT UP TO ROOF
16"x 54" STORAGE WITH OSBC FOR BALANCING
5 WAY DIFFUSER 800 CFM EACH (TYPICAL 5 PLACES)
4 WAY DIFFUSER 300 CFM
4 WAY DIFFUSER 1200 CFM EACH (TYPICAL 2 PLACES)
4 WAY DIFFUSER 1400 CFM EACH (TYPICAL 6 PLACES)
4 WAY DIFFUSER 300 CFM EACH (TYPICAL 2 PLACES)
BAKERY MAKE-UP AIR UNIT ON ROOF RESNOR HRED100
4 WAY BOX DIFFUSER 1600 CFM
16"ø DUCT UP TO JBB1-AIR 1/2 H.P. 1464 RPM ON ROOF
4'x 4' EXHAUST HOOD
2 WAY, 2-SLOT DIFFUSER 750 CFM EACH (TYPICAL 3 PLACES)
2-SLOT DIFFUSER 750 CFM EACH (TYPICAL 2 PLACES)
16"ø DUCT UP TO JBB-1-AIR 1/3 H.P. 1464 RPM ON ROOF
3'x 3' EXHAUST HOOD
UH-1
UH-2

CODE : UBC. 1979

General Notes

1. Contractor shall verify all grades / dimensions, and existing conditions on the site before proceeding with work.
2. All exterior foundation walls below grade shall be damproofed on the exterior from top of footing up to finished grade.
3. Insecticide/termite control measures only once. Bid shall be provided compatibly as direct labor.
4. The contractor shall verify all plans and drawings of all trades for openings through slabs, floor, foundation, roof diaphragms, walls, ceilings and chases for ducts, pipes, conduits, equipment, and shall verify size, weight and location with respective suppliers.
5. All work performed by all subcontractors shall be in compliance with all applicable codes and ordinances.
6. All handicapped living units shall be in compliance with the Washington Barrier Free Code.
7. Dimensions shown on drawing are:
   A. To centerline of columns, interior walls and partitions unless noted otherwise.
   B. To the outside face of exterior walls and to the exterior face of stud walls unless otherwise noted.
8. Contractor shall provide adequate fire extinguishers as required by the local fire marshall, and shall also provide a fire-proof protection system to the local fire marshall for approval prior to installation.
9. All interior gypsum wallboard shall be superlite thickness as called for on the drawings.
10. Light and ventilation shall conform to Section 1205 UBC, 1982 Edition.
11. Each dwelling unit shall be equipped with smoke detectors conforming to UBC Standard No. 10-5 and located per section 1210 UBC, 1982 Edition.
12. Kitchen and Bathroom exhaust ducts shall be enclosed with 26 gauge galvanized sheet metal and shall extend to the exterior of the buildings.
13. Laundry dryer venting shall be with 26 gauge galvanized sheet metal ducts enclosed in one-hour construction and extending to the exterior of the buildings.
14. Roof drains and gutters shall be connected to the site drainage system.
15. Footing drains to be connected to the site drainage system.
16. Site drainage system shall be installed per engineering drawings and shall conform to local engineering jurisdiction requirements.
17. Exit stairwells shall conform to UBC Class "D" and Section 1005 (d) of UBC, 1982 Edition.
18. Provide entry/unit entry door with view port and 1" through deed bolt.
19. Provide all lower level patio doors into units with a deed bolt.
20. Provide mechanical ventilation for all utility rooms ducted to the exterior with 26 gauge galvanized sheet metal ducts.
21. Provide steel electrical boxes in fire-rated ceilings as per UBC Section 1005 (b) 6, UBC, 1982 Edition.
22. Water temperature in residential units shall be limited to 120 °F. per Washington Barrier Free Code.
23. The contractor shall provide and install exterior handrails and guard rails as detailed on drawings in all areas requiring same that may not be shown on drawings due to field conditions that may arise during the course of construction.
24. Provide safety glass in all patio doors.
25. Operable shelf locking or locking devices shall be provided on sliding doors.
26. All unit entry doors to be 20 minute fire-rated, self closing and self locking. (3308)
27. All 1½ hr. fire doors to be self locking. (3308)
28. SOUND TRANSMISSION CONTROL PER CHAPTER 35 APPENDIX

Energy Code Requirements

This building is designed under the prescriptive requirements approach, qualifying as a low rise residential building.

1. All glazing shall be double glazing.
2. All metal duct joints to be taped with duct tape.
3. All openings in the exterior walls shall be caulked, sealed, or weatherstripped as appropriate to limit air leakage.
4. Batt insulation shall be carefully installed to avoid tearing or ripping the vapor barrier. All joints (between batt splices) and tears shall be sealed with duct tape (or other approved material).
5. Showers shall be equipped with flow control devices that limit total flow to a maximum of 3 gpm per shower head.
6. Fenestration/all windows shall be rated and tested by the ASTM Standard E 283-73 (rating air leakage rates).
7. R-11 required in walls/floors.
8. R-30 required in ceiling/roof.
9. Heating shall be capable of maintaining 65° F. inside temperature when outside temperature is 20°F.
10. Every hot water heater shall have a label which states that it meets the requirements of ANSI/NAS standard 90-75.
11. Ceiling insulation shall be installed so that it will not be damaged.
12. Continuous approved vapor barriers shall be installed on the heated side of all insulation installed. Joints, ripe and tears in the vapor barrier shall be sealed with duct tape (or other approved material).

Percentage of Glazing

Maximum percentage of gross exterior wall area in glazing are less than the 40% shown in the area

Building #B

	Each Bldg.
Wall Area	= 7,800 sq.ft.
Window Area	= 1,084 sq.ft.
Percentage	= 14.3%≤21% O.K.

Building #A

Wall Area	= 10,758 sq.ft.
Window Area	= 1,500 sq.ft.
Percentage	= 13.9%≤21% O.K.

BUILDING ORDINANCE

Apartments

Occupancy: R-1 (Apartments)
Type of Construction: Type V (Wood Frame Bearing)
Seismic Zone: 1
Gross Floor Area:
Building A: 49,360 sq.ft.
Building B: 14,501 sq.ft.
Total: 63,861 sq.ft.

Maximum Allowable Area Between Fire Ser. Per UBC

Basic Square Footage Allowable for 1st Level =	18,000 sq.ft.
Multi-Story Increase (3b) =	18,000 sq.ft.
Total Without Side Separation =	36,000 sq.ft.

Proposed: = Max. 60 Bldg. (2) 30K

Occupancy Load:
60 sq. ft./person. Total Allowable = 600 sq.ft. per occupant or 10 occupants max.

ZONING ORDINANCE

Site Area:	69,543 sq.ft.
Zoned:	CG
Units Allowed 69,543 sq.ft./1500' =	46.4 units, proposed 42 units
Required Setbacks:	
Street	15'
West	0'
North	0' (adjacent to R-2 zone)
Provided:	
Street	15' & 19.8'
West	107.8'
North	72'
Maximum Height:	O.K. 35'

Parking Summary:

Parking Required:	42 dwelling units
	2 car spaces/unit = 84 spaces
Parking Provided:	84 O.K.
Compact Spaces Allowed:	84 x 0.50 = 42 spaces
Compact Spaces Provided:	38 spaces O.K.

STRUCTURAL NOTES

Soil Bearing	2000 PSF All footings must rest on undisturbed earth. Exterior footings to extend 12" min. below finish grade.
Design Loads	Floors 40 PSF Stairways 100 PSF Roof 25 PSF Wind 20 PSF Equivalent Fluid Pressure 30#/CF
Concrete	f'c = 2000 PSI. Lt. Wt. Concrete = 100#/ft.³ f'c = 900 PSI. 5 sack mix
Reinforcing Steel	fs = 18,000 PSI (ASTM A615, Gr. 40) lap bars 30 diameters provide elbow bars at all corners place steel as shown in drawings and firmly in place while pouring concrete
Embedment Steel	Footing 3" Wall Earthface 2" Walls exposed to weather 1½" Walls inside face 3/4"
Framing Lumber	Stress grade of lumber 1979 Grading Rules Joists, beams, headers construction grade Douglas Fir 6"x6"S x S on larger O.D. Select structural 1500 or more Studs, plates, bracing standard Douglas Fir
Framing	Floor framing size and spacing of joists as per drawings. Roof framing size and spacing of truss as per drawings. Solid blocking at all joists at supports and under stud walls running opposite to direction of joists and where shown on drawings. Unless otherwise noted, bearing stud walls shall consist of the following minimums: First Floor 2 x 4 @ 16" Second Floor 2 x 4 @ 16" Third Floor 2 x 4 @ 16" Double joists under all parallel partitions, provide bridging at all midspans of joists.

Floor Diaphragms

2nd & 3rd Floors: 5/8" standard grade plywood with tongue and groove joints, (ident. index 48/16), unblocked, nailed 6" o.c. at panel edges 10d common nails.

Roof: 1/2" standard grade plywood with exterior glue, (ident. index 24/0), unblocked, nailed 6" o.c. at panel edges 8d common nails.

Note: Space nails 12" o.c. along intermediate framing members.

Shear Wall Nailing

Applies to gypsum wall board and sheathing on each side of all walls to feet and longer wall walls at 7" o.c. for all floors.

Notes:
1. Nails for 5/8" gypsum wallboard to be 5d cooler nails.
2. Nails for 1/2" gypsum sheathing to be 6d, 11 gauge, 1-3/4" long, 7/16" head, diamond point, galvanized.
3. Nail spacing shown applies to all studs, top and bottom plates.

Contractor shall submit roof truss design for approval prior to fabrication and erection.

PROJECT SUMMARY

Bldg.	Unit Type "B" One Bedroom	Unit Type C Two Bedroom	Unit Type D One Bedroom (barrier free)	Unit Type E One Bedroom	Bldg. Total
A	18	11	3	1	33
B		7	1	1	9
Total Units in Project	21	18	4	2	42

Square Footage Per Unit:

Unit Type	Net Area	Deck	Total
"B"	579 sq.ft.	32 sq.ft.	611 sq.ft.
"C"	858 sq.ft.	32 sq.ft.	890 sq.ft.
"D"	579 sq.ft.	32 sq.ft.	611 sq.ft.
"E"	848 sq.ft.	32 sq.ft.	880 sq.ft.

Bldg. A
CITY OF EDMONDS
BLDG. DEPT.
CONDITIONAL PERMIT
WORK: 24 unit apt.
ADDRESS: 7215 212th PL. S.W.
OWNER: G & M Schneebergers
APPROVED DATE: 6/28/84
BY H. Reeves
BLDG. OFFICIAL
KEEP THESE STAMPED PLANS ON JOBSITE FOR ALL INSPECTIONS
PERMIT NO. 840343 SHEET OF

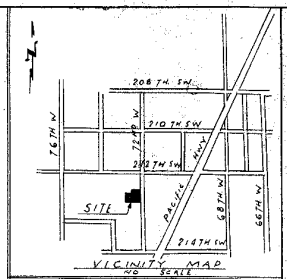
Bldg. B
CITY OF EDMONDS
BLDG. DEPT.
CONDITIONAL PERMIT
WORK: 18 unit apt
ADDRESS: 7219 212th PL S.W.
OWNER: G & M Schneebergers
APPROVED DATE: 6/28/84
BY H. Reeves
BLDG. OFFICIAL
KEEP THESE STAMPED PLANS ON JOBSITE FOR ALL INSPECTIONS
PERMIT NO. 840344 SHEET OF

ZONE CG
SETBACKS:
FRONT
SIDE
REAR
OTHER
HEIGHT

Approval plan attached

LEGAL DESCRIPTION

Lot B as per lot line adjustment for Short Subdivision as recorded under Snohomish County Auditor's No. 7705310698 for La Pierre Industries, Inc., Snohomish County, Washington.



VICINITY MAP
NO SCALE

INDEX TO DRAWINGS

SHEET NO	TITLE
A 1	GENERAL NOTES & VICINITY MAP
A 2	SITE PLAN
A 3	BUILDING 'A' - FLOOR PLAN
A 4	BUILDING 'B' - FLOOR PLAN
A 5	ELEVATIONS - BUILDING 'A'
A 6	ELEVATIONS - BUILDING 'B' & TRASH ENCLOSURES
A 7	BUILDING 'A' & 'B' FOUNDATION & ROOF FRAMING PLAN
A 8	TYPICAL UNIT PLAN
A 9	SECTION AT STAIRS & WALL SECTIONS
A 10	TYPICAL BUILDING SECTION
C 1	GRADING AND DRAINAGE PLAN
C 2	WATER AND SEWER PLAN
L 1	LANDSCAPE PLAN

AN APARTMENT COMPLEX FOR MICHAEL R. MASTRO

EDMONDS, WASHINGTON

MAY 1 1984

TSAO / KUSSMAN & ASSOCIATES, P.S.
ARCHITECTS AND ENGINEERS (206) 324-8780
2367 - EASTLAKE AVENUE EAST SEATTLE, WASHINGTON 98102

A 42 UNIT APARTMENT COMPLEX FOR MICHAEL R. MASTRO
7215 TH PL. SW & 72ND W EDMONDS, WA

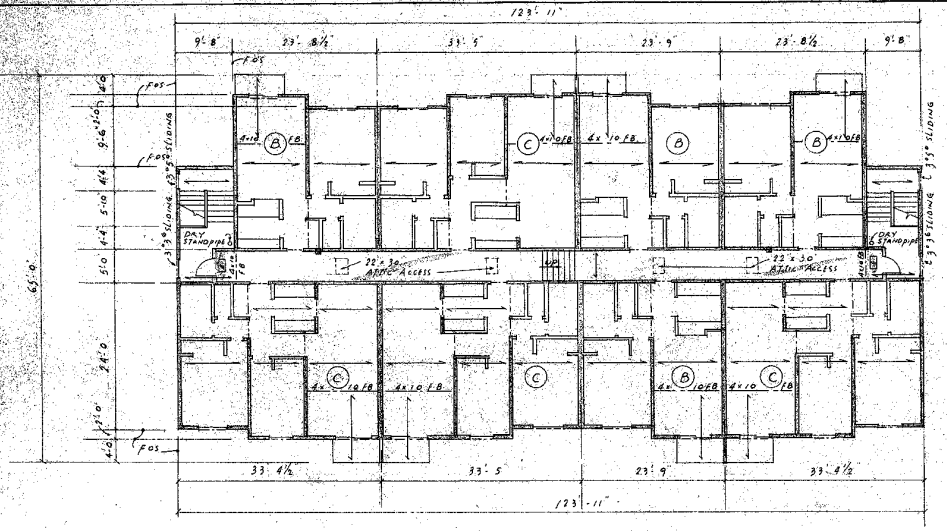
REVISIONS

DATE Apr. 30, 84

GENERAL NOTES & VICINITY MAP

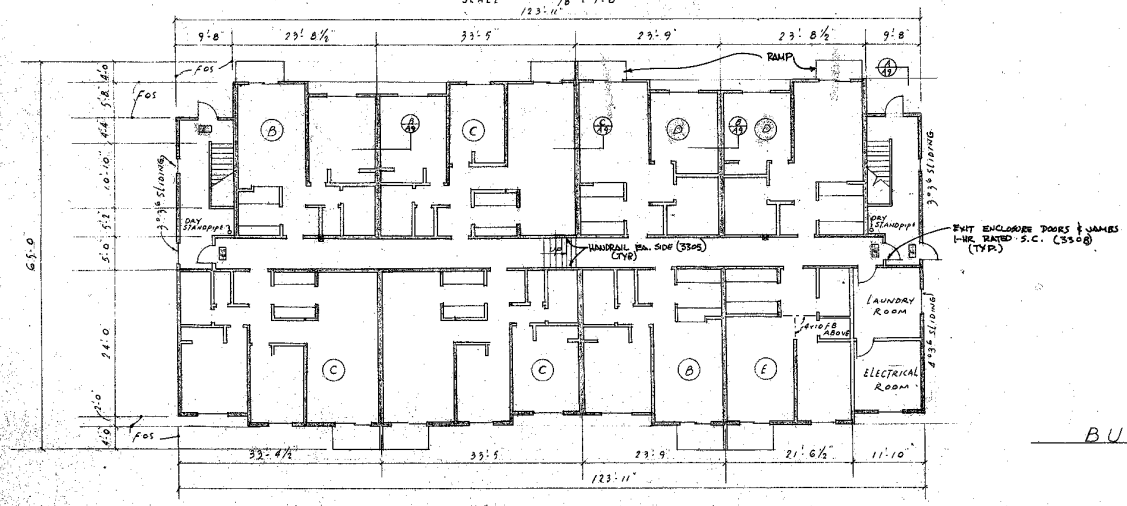
JOB NO. 83/9-1

SHEET A1 OF 10



SECOND & THIRD FLOOR PLAN

SCALE 1/8" = 1'-0"



FIRST FLOOR PLAN

SCALE 1/8" = 1'-0"

LEGEND

1. 2-2x10 HEADER UNLESS OTHERWISE NOTED
2. BEARING WALL
3. LIGHTED EXIT SIGN
4. SPAN DIRECTION FOR FLOOR JOIST 2x10 @ 16" O.C. UNLESS OTHERWISE NOTED
5. FIRE EXTINGUISHER CABINET W/CLASS 2A FIRE EXTINGUISHER
6. F.B. FLUSH BEAM
7. FOS FACE OF STUD
8. (A) UNIT DESIGNATION

BUILDING 'A'

MAY 1984

TSAO / KUSSMAN & ASSOCIATES, P.S.
ARCHITECTS AND ENGINEERS (206) 324-9700
2367-EASTLAKE AVENUE EAST SEATTLE, WASHINGTON 98102-USA

A 42 UNIT APARTMENT COMPLEX FOR MICHAEL R. MASTRO EDMONDS, WA

REVISIONS

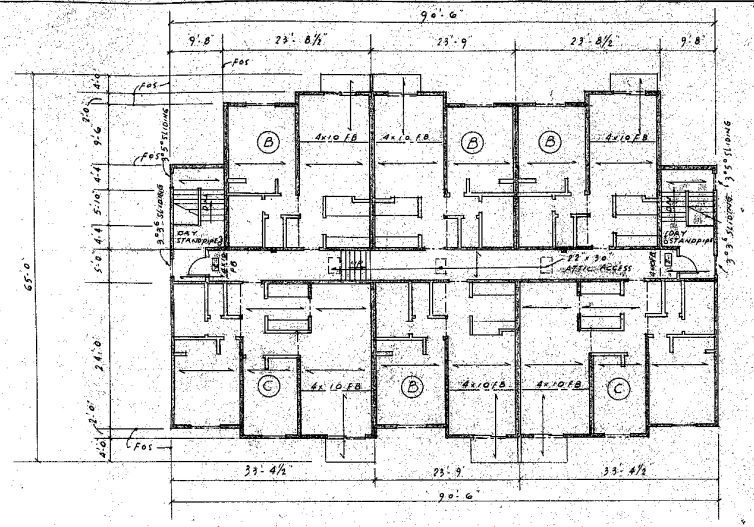
DATE APR 30 84

BUILDING 'A' FLOOR PLAN

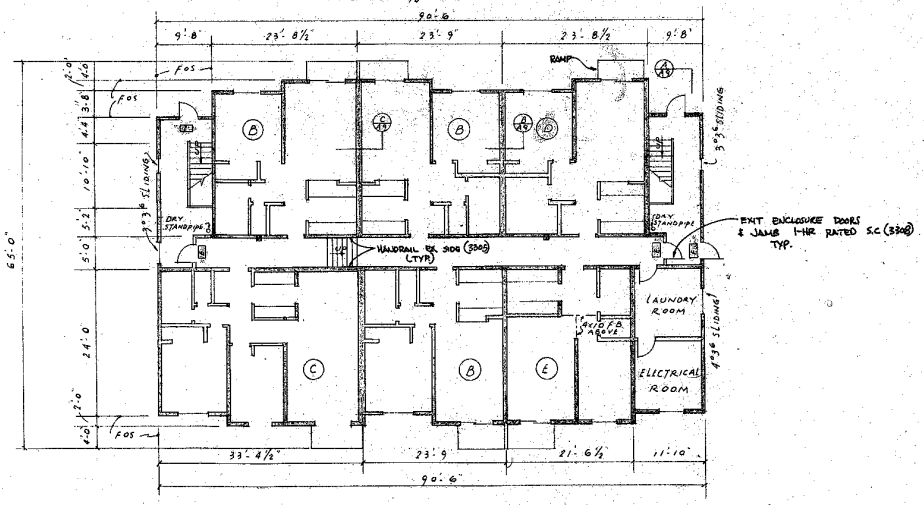
JOB NO. 83197

SHEET: OF

A3 10



SECOND & THIRD FLOOR PLAN
SCALE 1/8" = 1'-0"



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

NOTE:
FOR LEGEND, SEE SHT. A3

BUILDING 'B'

MAY 1 1984

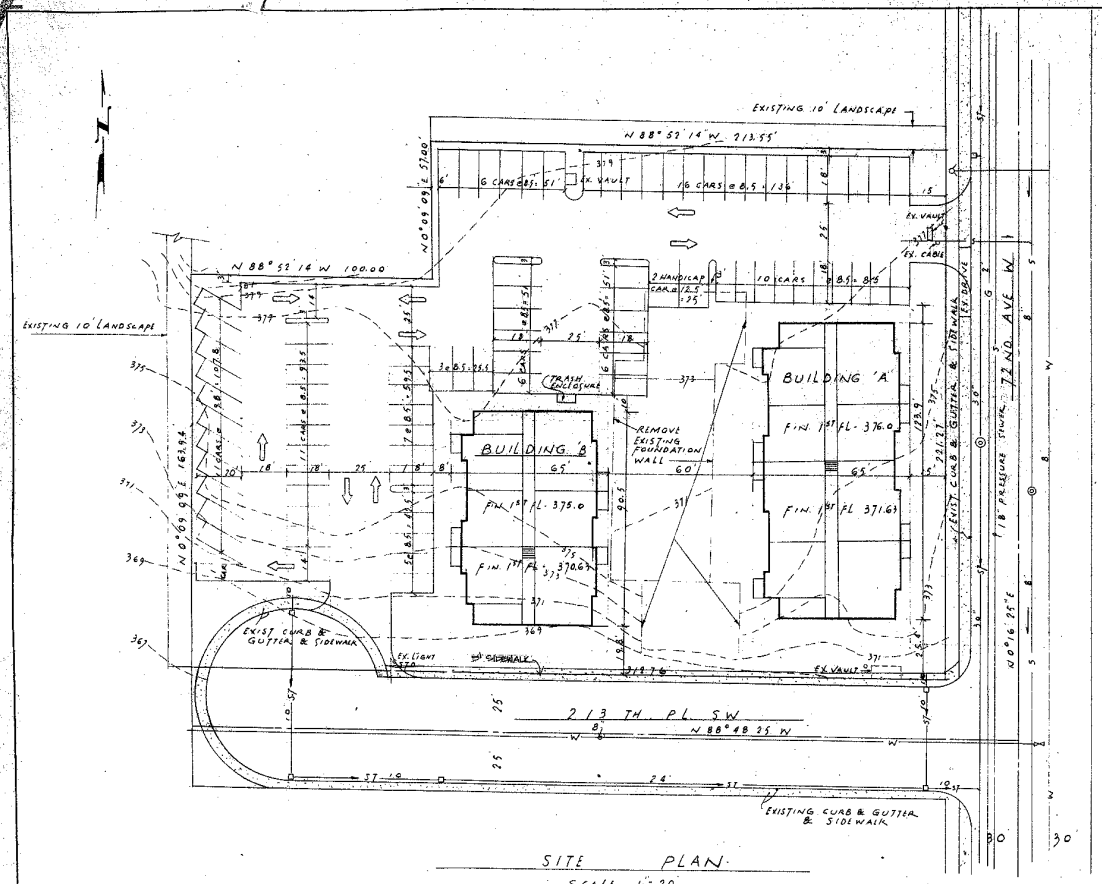
TSAO / KUSSMAN & ASSOCIATES, P.S.
ARCHITECTS AND ENGINEERS (206) 324-8700
2367 EASTLAKE AVENUE EAST SEATTLE WASHINGTON 98102 USA

A 42 UNIT APARTMENT COMPLEX
FOR
MICHAEL R. MASSARO
2173 N.W. 77TH ST. SEATTLE, WA.

REVISIONS
DATE APR. 30 84

BUILDING 'B'
FLOOR PLAN

JOB NO. 83/95
SHEET A4 OF 10



SITE PLAN

SCALE 1" = 20'

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2367-EASTLAKE AVENUE EAST SEATTLE, WASHINGTON 98102 U.S.A.

A 42 UNIT APARTMENT COMPLEX

FOR

MICHAEL R. MASTRO

213TH PL SW & 72ND W, EDMONDS, WA.

REVISIONS

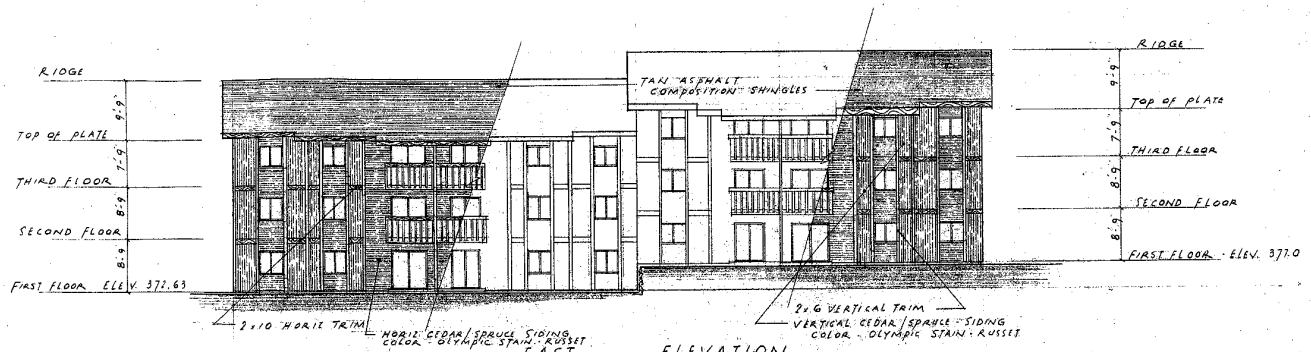
DATE MAY 19 84

SITE PLAN

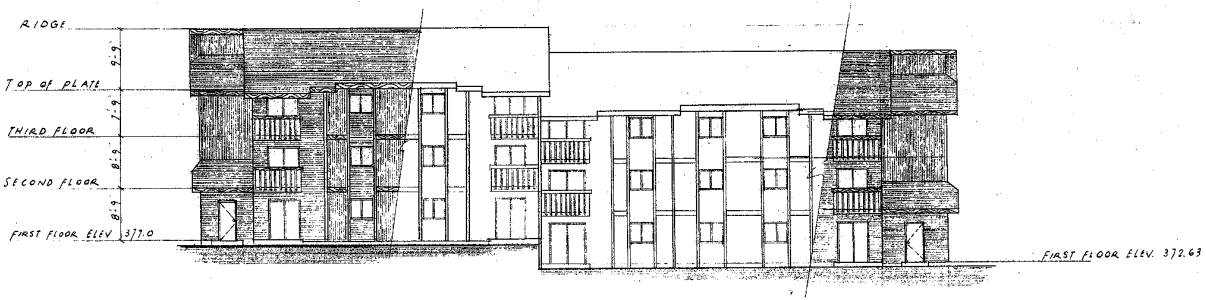
JOB NO. 8379-1

SHEET OF

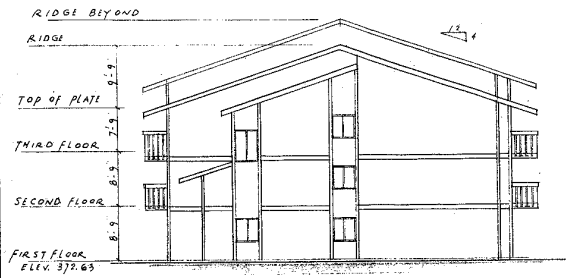
A2 10



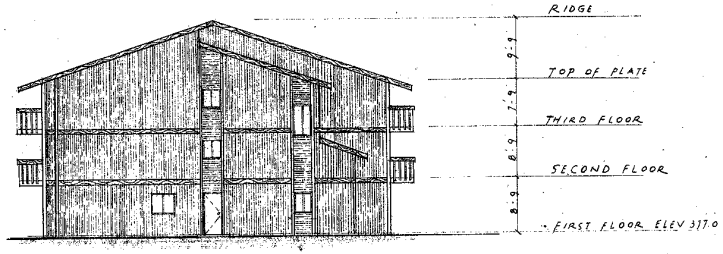
EAST ELEVATION
SCALE 1/8 = 1'-0"



WEST ELEVATION
SCALE 1/8 = 1'-0"



SOUTH ELEVATION
SCALE 1/8 = 1'-0"



NORTH ELEVATION
SCALE 1/8 = 1'-0"

BUILDING 'A'

MAY 1 1984

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A 42 UNIT APARTMENT COMPLEX
FOR
MICHAEL R. MASTRO
213TH PL S.W. & 72ND W. EDMONDS, WA

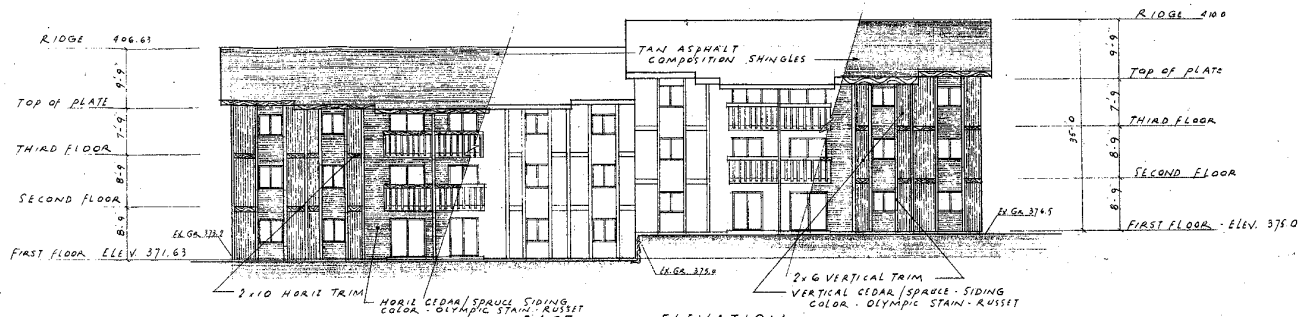
REVISIONS

DATE APR. 30, 84

ELEVATIONS
BUILDING 'A'

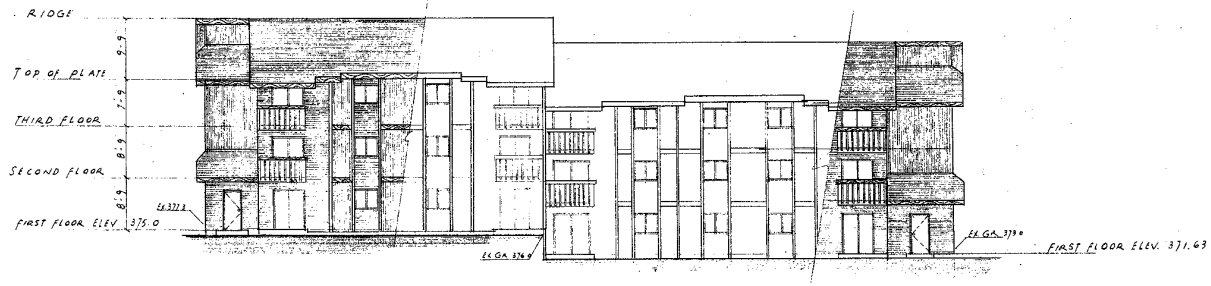
JOB NO. 83/9-1

SHEET	OF
A5	10

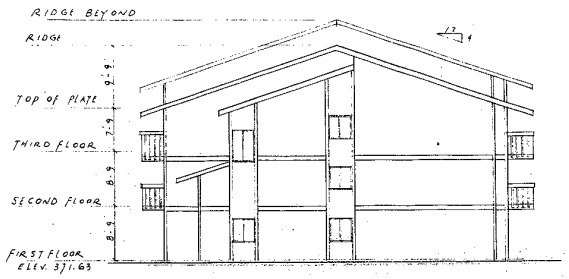


EAST ELEVATION
SCALE 1/8" = 1'-0"

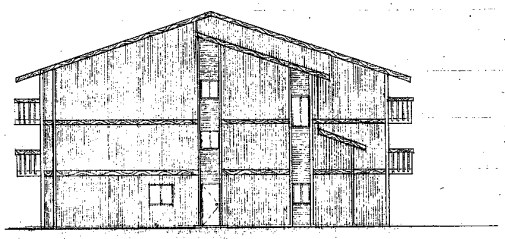
AVERAGE EXIST GRADE $\frac{374.5 + 373.9 + 372.9 + 375.0}{4} = 375.0$



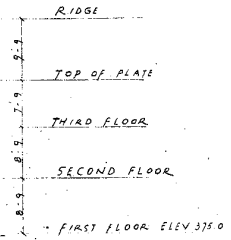
WEST ELEVATION
SCALE 1/8" = 1'-0"



SOUTH ELEVATION
SCALE 1/8" = 1'-0"



NORTH ELEVATION
SCALE 1/8" = 1'-0"



BUILDING 'A'

TSAO / KUSSMAN & ASSOCIATES, P.S.
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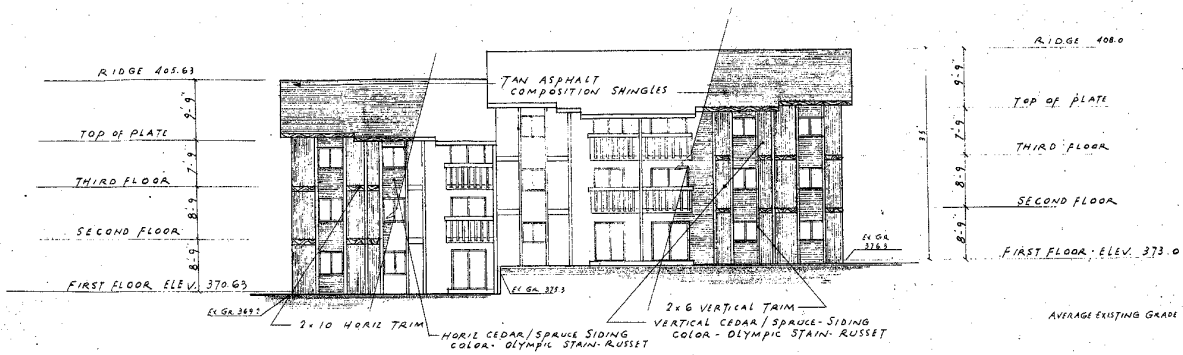
2367-EASTLAKE AVENUE EAST SEATTLE, WASHINGTON 98102 U.S.A.

A 42 UNIT APARTMENT COMPLEX
FOR
MICHAEL R. MASTRO
213TH PL SW & 73RD AV. W. EDMONDS, WA

REVISIONS
MAY 19, 84
DATE APR. 30, 84

ELEVATIONS
BUILDING 'A'

JOB NO. 8319-1
SHEET A5 OF 10



EAST ELEVATION
SCALE 1/8" = 1'-0"

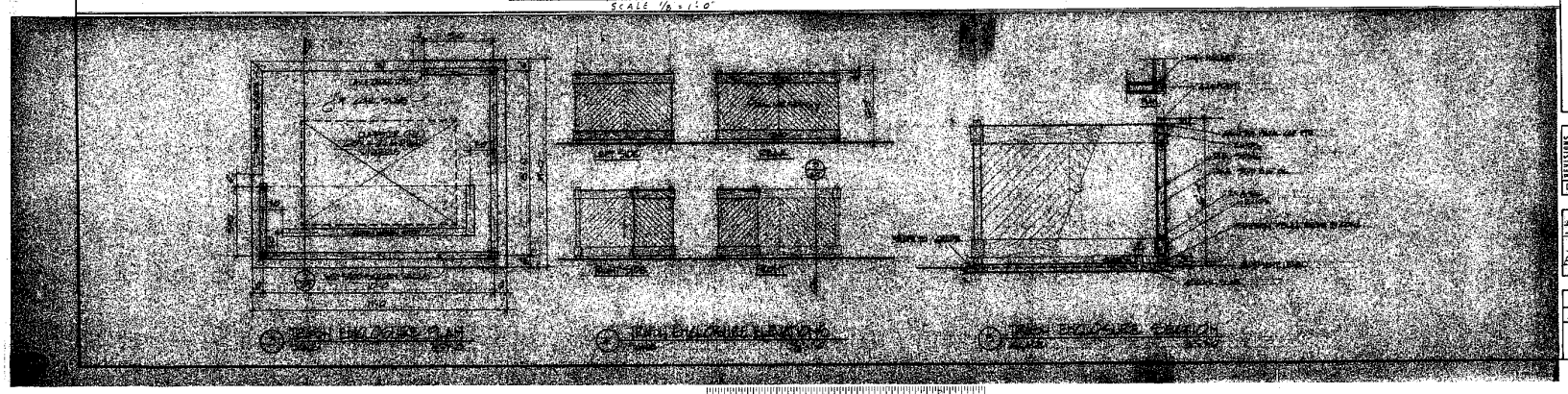
RIDGE 408.0
TOP OF PLATE
THIRD FLOOR
SECOND FLOOR
FIRST FLOOR ELEV. 373.0

AVERAGE EXISTING GRADE $\frac{376.3 + 369.3 + 377.3 + 369.5}{4} = 373.05$

WEST ELEVATION
SCALE 1/8" = 1'-0"

NOTE:
NORTH & SOUTH ELEVATION SIMILAR TO THOSE OF BLDG 'A' EXCEPT FOR FIRST FLOOR ELEVATION. SEE SHT A5

BUILDING 'B'



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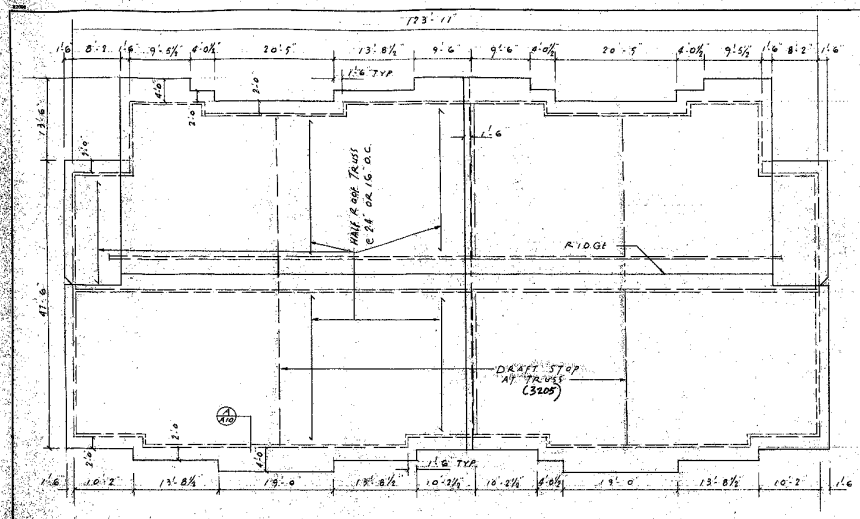
A 42 UNIT APARTMENT COMPLEX
FOR
MICHAEL R. MASTRO
213TH PL SW & 72ND W EDMONDS, WA

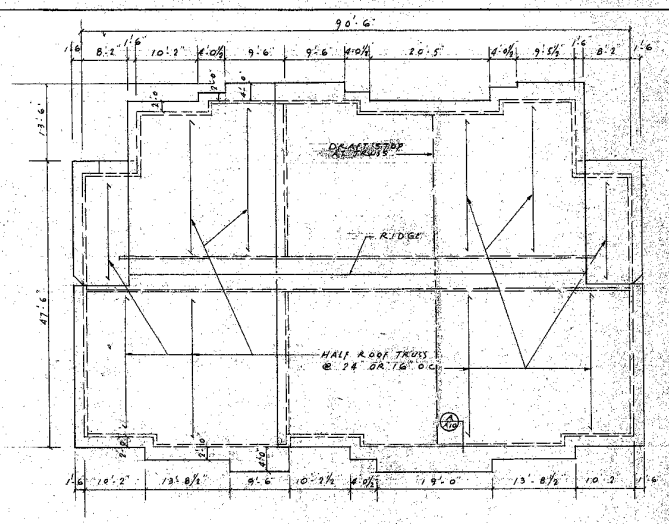
REVISIONS
MAY 19, 84
DATE APR. 30, 84

ELEVATIONS - BUILDING 'B' & TRASH ENCLOSURE DETAIL

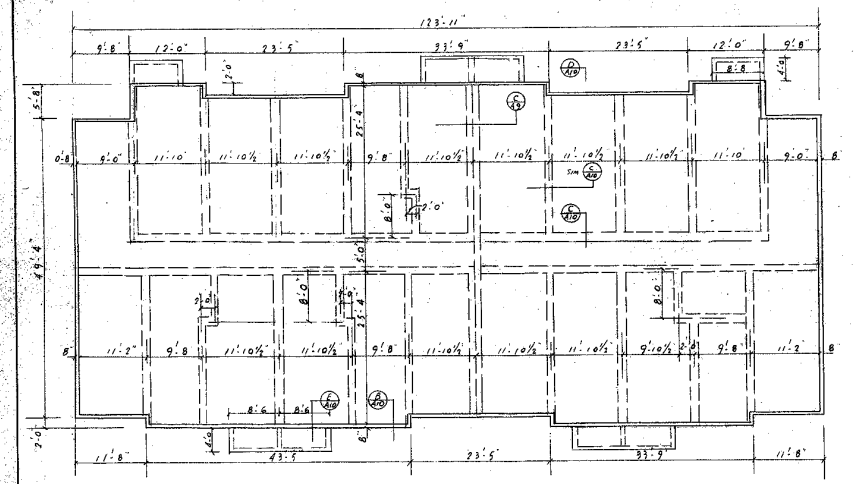
JOB NO. 8319-1
SHEET A6 OF 10



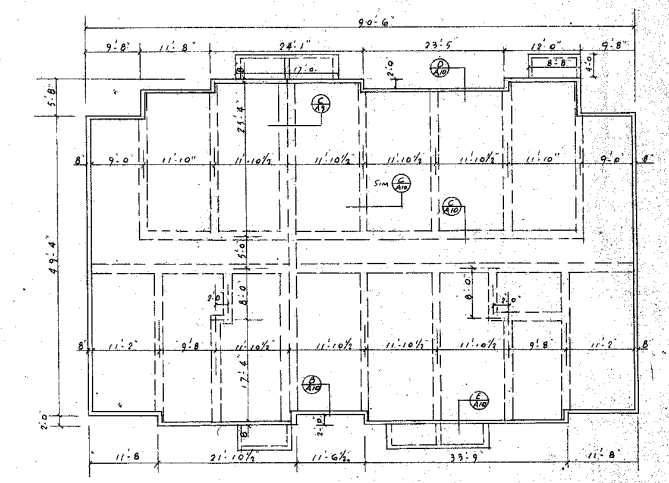
BUILDING 'A' - ROOF FRAMING PLAN
SCALE 1/8" = 1'-0"



BUILDING 'B' - ROOF FRAMING PLAN
SCALE 1/8" = 1'-0"



BUILDING 'A' - FOUNDATION PLAN
SCALE 1/8" = 1'-0"



BUILDING 'B' - FOUNDATION PLAN
SCALE 1/8" = 1'-0"

MAY 1 1984

TSAO / KUSSMAN & ASSOCIATES, P.S.
ARCHITECTS AND ENGINEERS (206) 324-8780
2367 EASTLAKE AVENUE EAST SEATTLE, WASHINGTON 98102 U.S.A.

A 42 UNIT APARTMENT COMPLEX FOR MACHREE & MASTRO
7115 W. 196TH ST. & 72ND AV. W. EDMONDS, WA

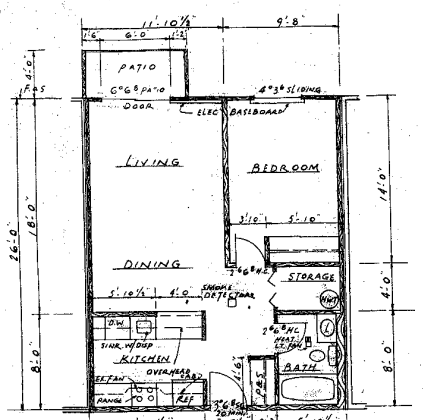
REVISIONS

DATE: APR 30, 84

BUILDING 'A' & 'B' FOUNDATION & ROOF FRAMING PLAN

JOB NO. 8319-1

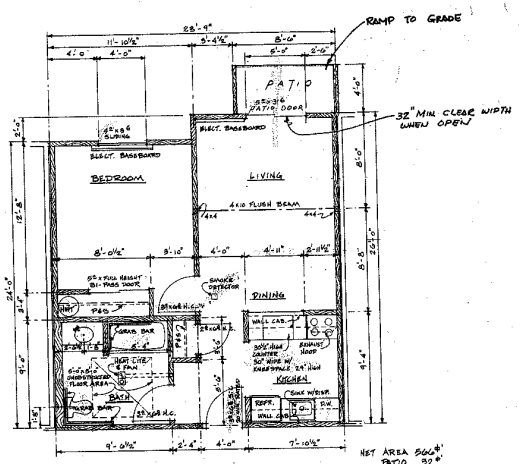
SHEET A7 OF 10



(E) ONE BEDROOM UNIT
SCALE 1/4" = 1'-0"

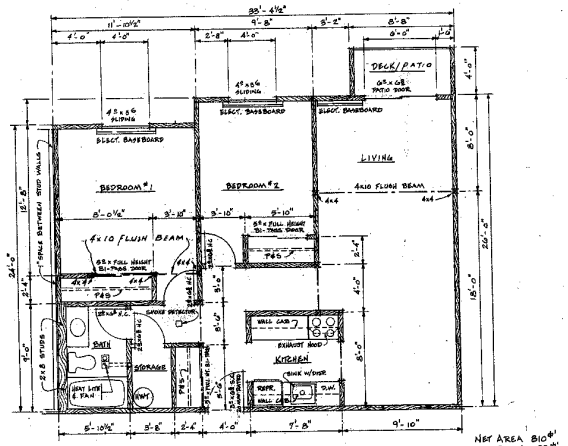
PROVIDE FOR HANDICAPPED
THE FOLLOWING REQUIREMENTS

1. HANDICAP SIGNS AT THESE LOCATIONS
   A. 5' ABOVE GRADE AT FRONT OF PARKING STALLS
   B. BOTH SIDE OF ENTRY DOORS TO BUILDING
2. ALL DOORS TO UNITS, TOILETS & BEDROOMS TO BE 3'-6" x 6'-8" WITH MIN. 18" CLEAR ON STRIKE SIDE
3. LAV. TO BE PLACED IN COUNTER SET 34" ABOVE FLOOR & MIN. 29" CLEAR UNDER COUNTER TOP.
4. HOT WATER TEMPERATURE TO BE LIMITED TO 120° F.
5. WATER CLOSETS TO BE HANDICAP TYPE SEAT HEIGHT 16" TO 18" ABOVE FLOOR
6. GRAB BARS TO BE 1½" Ø W/ 1½" CLEAR OF WALL. AT W.C. 36" x 48" CORNER BARS AND AT TUB 36" x 40" CORNER BARS SET AT 36" HIGH AT TUB AND 33" HIGH AT W.C.
7. KNEESPACE AND 30½" HIGH COUNTER IN KITCHEN AS NOTED ON PLAN

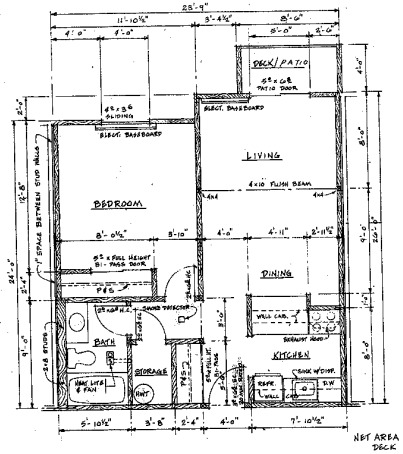


(D) ONE BEDROOM - BARRIER-FREE UNIT
SCALE 1/4" = 1'-0"

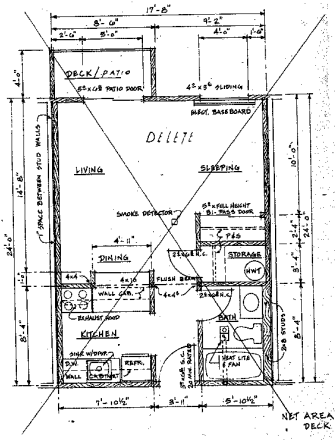
NOTES:
EMERG. EGRESS PER SEC. 1204.



(C) TWO BEDROOM UNIT
SCALE 1/4" = 1'-0"



(B) ONE BEDROOM UNIT
SCALE 1/4" = 1'-0"



(A) STUDIO UNIT
SCALE 1/4" = 1'-0"

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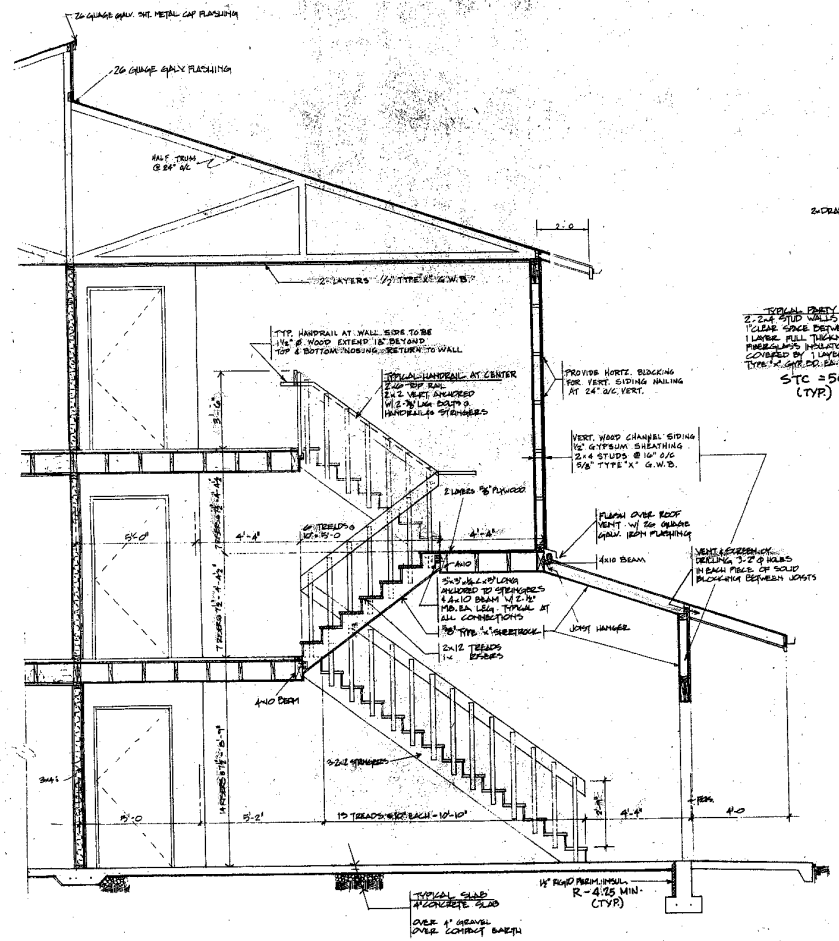
ARCHITECTS AND ENGINEERS (206) 324-6700
2367-EASTLAKE AVENUE EAST SEATTLE, WASHINGTON 98102 U.S.A.

A 42 UNIT APARTMENT COMPLEX
FOR
MICHAEL R. MASTRO

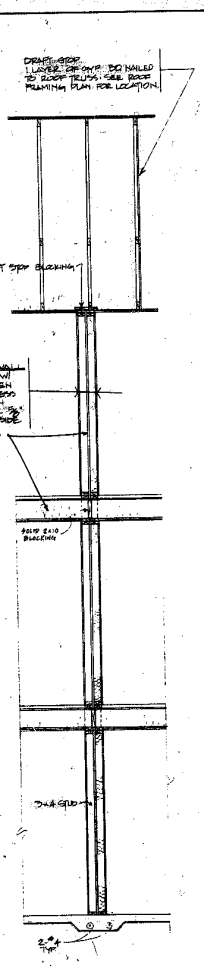
REVISIONS
DATE APR. 30, 84

TYPICAL UNIT PLANS

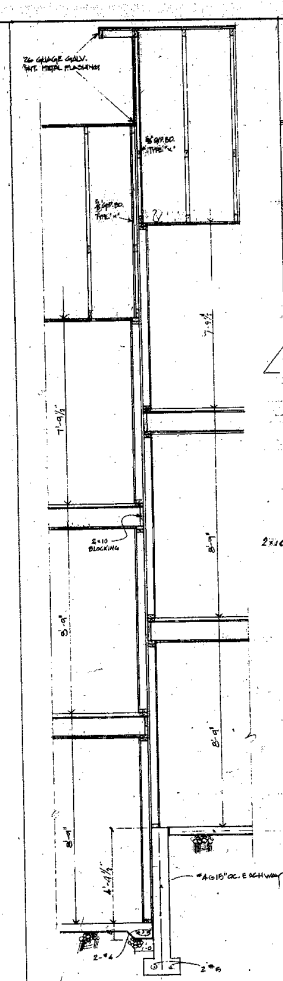
JOB NO. 83.19.1
SHEET A8 OF 10



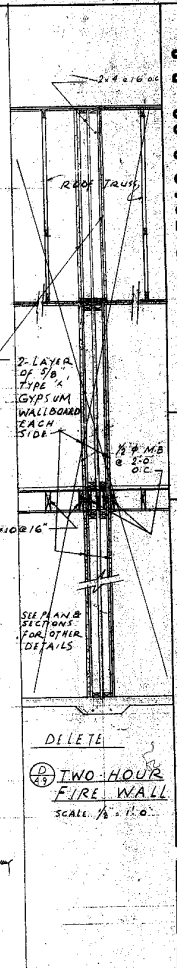
A/A9 STAIR SECTION TYPICAL
SCALE: 3/4" = 1'-0"
FOR STAIR NO 1 & NO. 3



B/A9 TYPICAL PARTY WALL
SCALE: 3/4" = 1'-0"



C/A9 SECTION - STEP DOWN FOOTING
SCALE: 1/8" = 1'-0"



D/A9 TWO-HOUR FIRE WALL
SCALE: 1/8" = 1'-0"

WILLIAM S. TSAO & CO., P.S.
ENGINEERS & ARCHITECTS
2367 EASTLAKE AVENUE EAST
SEATTLE, WASHINGTON 98102 U.S.A.
(206) 324-8780

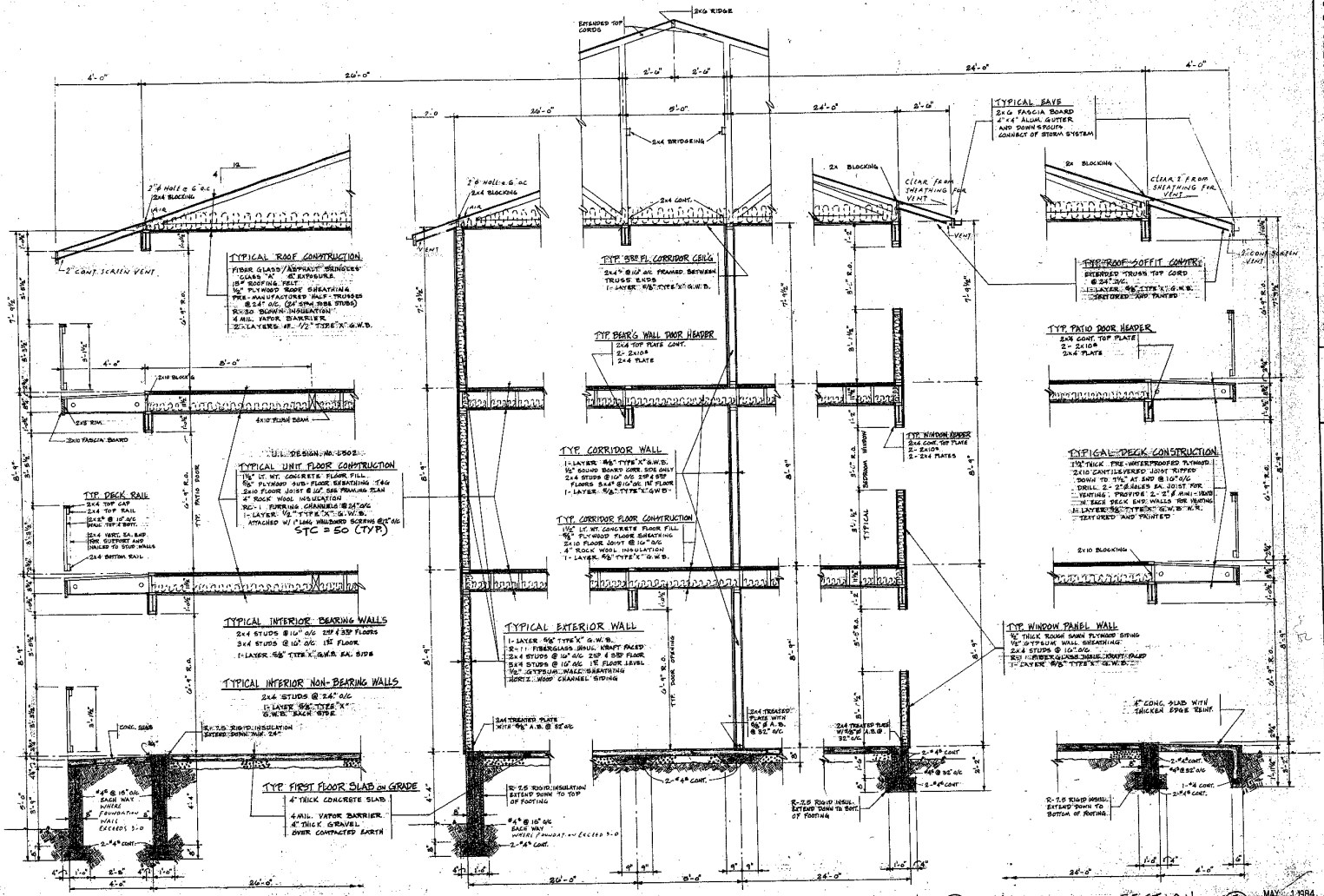
A 42 UNIT APARTMENT COMPLEX
MICHAEL R. MAITRO
713TH PL SW & 72ND WA. EDMONDS, WA.

REVISIONS
DATE APR 30, 84

SECTION & SERIES
WALL SECTIONS

JOB NO. 83.19.1
SHEET A9 OF 10

MAY 1 1984



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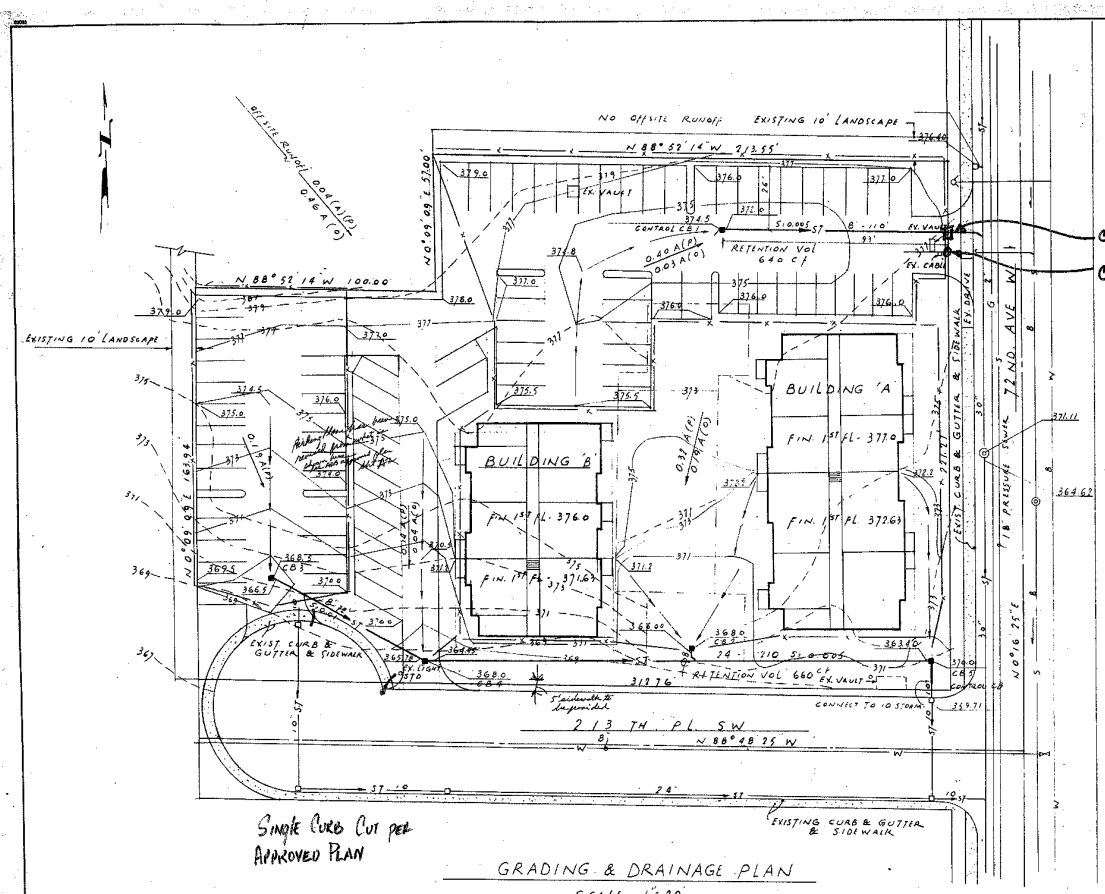
A 42 UNIT APARTMENT COMPLEX
FOR
MICHAEL S. MASTRO
710 7TH PL SW BL 72 NBO WA
BONDURANT WA

REVISIONS 0
DATE APR 30 84

TYP. SECTIONS AND NOTES

JOB NO. 8319-2
SHEET A10 OF 10

MAY 1 1984



GRADING & DRAINAGE PLAN

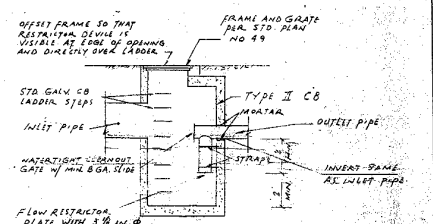
SCALE 1" = 20'

NOTE: CONSTRUCT V-DITCH WITH 1:1 SLOPE ALONG EAST & SOUTH PROPERTY LINE FOR TEMPORARY EROSION CONTROL. MIN. 2-FT DEEP, INSTALL 1' DEEP STRAW BALE @ 100 O.C.

APPROVED FOR CONSTRUCTION
GRADING & DRAINAGE ONLY
DATE: 18 Jun 84

LEGEND

EXISTING		THIS CONTRACT
371	CONTOUR	371
370.0 / 374.0	FINISHED SPOT ELEVATION / CATCH BASIN TOP & INVERT ELEVATION	370.0 / 374.0
12" ST	STORM DRAIN SIZE & APPROX. LENGTH	12" 100' ST
	SWALE	
	DRAINAGE AREA IN ACRES (P) PAVED (O) OTHER	0.10 A(P) 0.20 A(O)
	DRAINAGE BOUNDARY	



CONTROL CATCH BASIN CB 1 & CB 5

NO SCALE

GENERAL NOTES - UTILITY

1. All work materials shall be in conformance with the standards and specifications of the City of Edmonds and the latest edition of the APWA Standards and Specifications, except as modified herewithin.
2. It shall be the contractors responsibility to secure all necessary permits prior to starting construction.
3. All construction is subject to the inspection by the City of Edmonds and the contractor shall notify the City of their schedule in sufficient time to permit inspection prior to and during the work.
4. The contractor shall notify the City of Edmonds Department of Public Works in time to permit inspection of the storm sewers prior to backfilling.
5. Upon completion of the site improvements and underground utilities, the contractor shall furnish an as-built plan to the City of Edmonds which indicates the location of all site improvements including side sewer laterals or tees, or other pertinent information.
6. The contractor shall adjust frames to finish grades upon completion of final road and lot grades.
7. All corrugated metal pipe (CMP) shall be aluminum, 16 gauge, with Helical corrugations.
8. Bedding for corrugated metal sewer shall be Class D. Native bedding material shall not contain stones larger than 8 inches, frozen rocks, or moisture in excess of that permitting thorough compaction.
9. Bedding and backfill compacted to 90% of maximum density, except for top 12 inches of the driveway subgrade shall be compacted 95% of maximum density. Bedding and backfill to be compacted in maximum of 6" lifts.
10. Property owners are to assume maintenance of the drainage system within property lines.
11. All runoff to be directed to drainage system.
12. The contractor shall be responsible for the installation of side sewer (laterals and tees) and the placing of 2 X 4 markers with the length and depth of laterals and tees inscribed on the markers.
13. Upon completion of the site improvements and underground utilities, the contractor shall furnish an as-built plan to the City of Edmonds which indicates the location of all site improvements including side sewer laterals or tees, or other pertinent information.
14. All sanitary sewer pipes shall be rubber gasket concrete or PVC ASTM-D 3034 or D 3034 sewer pipe to conform with APWA Specifications, Section 60, unless otherwise noted.
15. The contractor shall adjust manhole frames to finish grades upon completion of final road and lot grades.
16. All side sewer trench lines shall be min. of 8" diameter.
17. Cleanouts shall be placed 30" from each plumbing exit line.

MAY 1984

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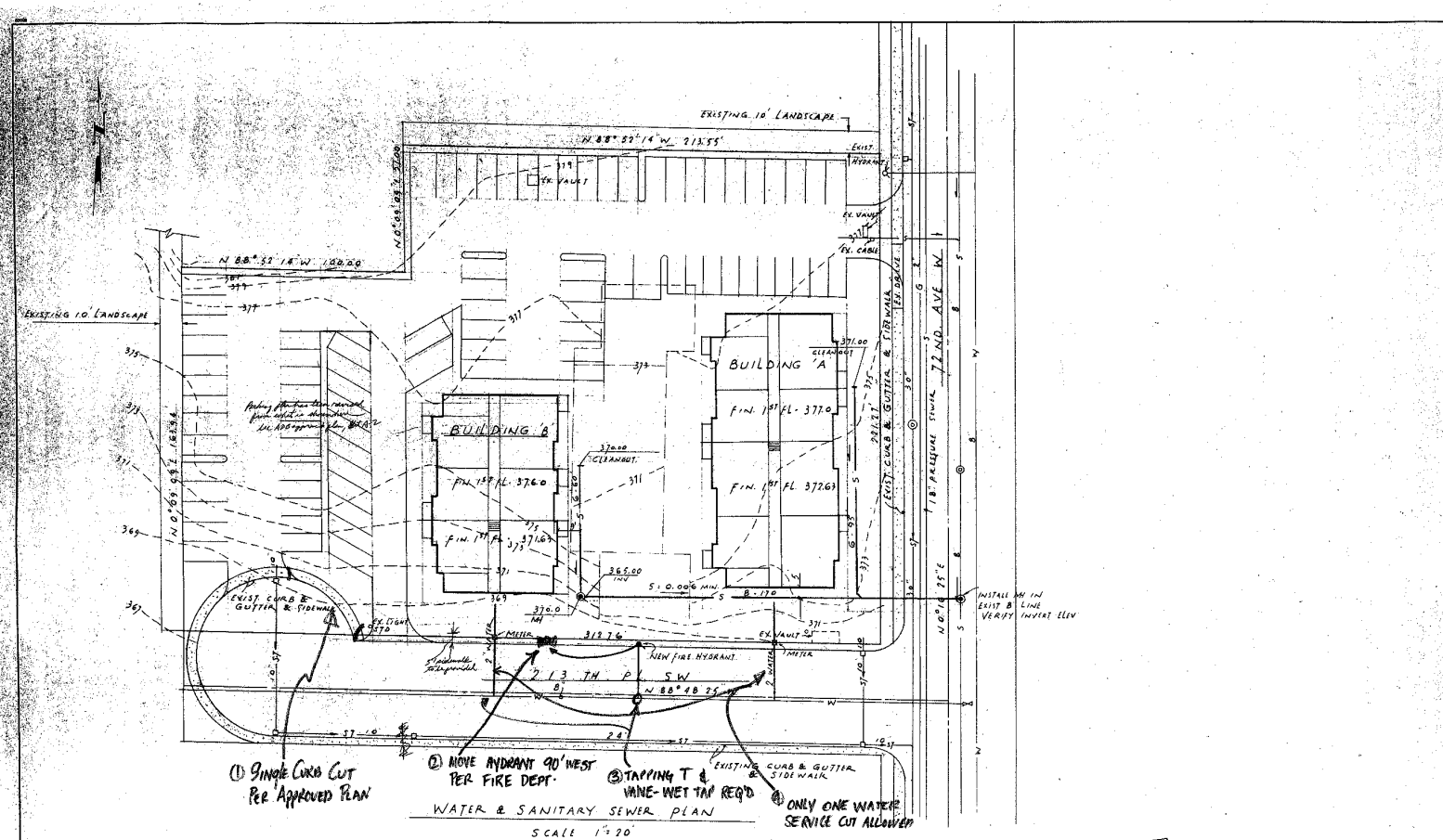
A 42 UNIT APARTMENT COMPLEX
for
MICHAEL R. MASTRO
213 TH PL. SW & 72ND W. EDMONDS WA.

REVISIONS
DATE APR. 30, 84

GRADING & DRAINAGE PLAN

JOB NO. 8319-1

SHEET	OF
C1	2



WATER & SANITARY SEWER PLAN

SCALE 1" = 20'

NOTE FOR NOTES, SEE SHT C1

APPROVED FOR CONSTRUCTION
WATER & SEWER ONLY AS NOTED
DATE: 18 Jun 84
CITY ENGINEER

* Water meter to be installed after completion of Bellinger Sewer Upgrade Project.

MAY 1 1984

TSAO / KUSSMAN & ASSOCIATES, P.S.
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2367 EASTLAKE AVENUE EAST SEATTLE, WASHINGTON 98102 U.S.A.

A 42 UNIT APARTMENT COMPLEX
FOR
MICHAEL R. MASTRO
213TH PL SW & 72ND AV. EDMONDS, WA.

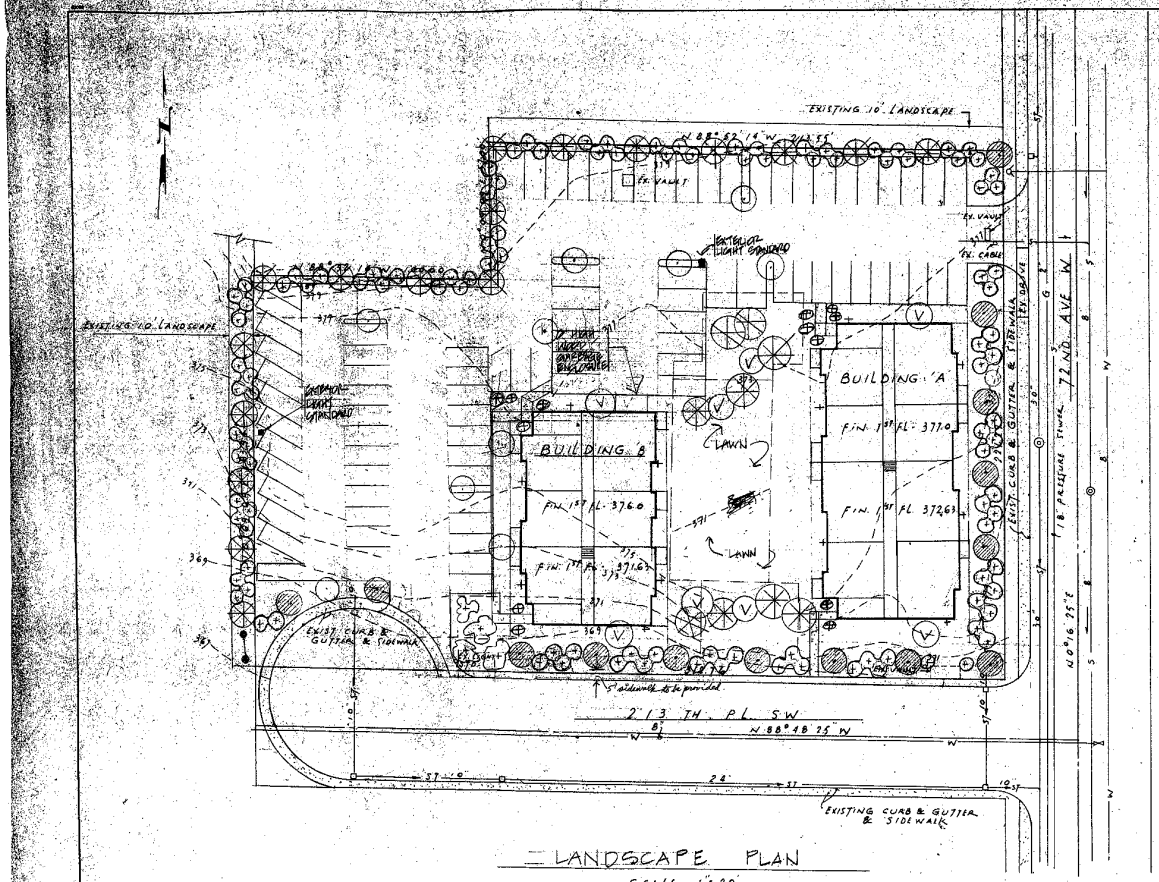
REVISIONS

DATE APR. 30, 84

WATER & SANITARY SEWER PLAN

JOB NO. 8379-1

SHEET C2 OF 2



LANDSCAPE PLAN

SCALE 1" = 20'

PLANT SCHEDULE

KEY	SIZE	QUANTITY	SPACING	BOTANICAL NAME	COMMON NAME
	6-7'	22	30'	PINUS SYLVESTRIS	SCOTCH PINE
	10-12' 2½" caliper	8		ACER RUBRUM	RED LEAF MAPLE
	6-8' 2½" caliper	28	30'		EMERALD QUEEN MAPLE
	5 GAL.	100	4'	PAEONIA BRACHYL.	PAEONIA
	# 1 NT	2000	1.5'	PARTHENOCISUS QUINQUEFOLIA	IVY (GROUND COVER) #
	14-14'	10	2'	ACER CIRCINATUM	VINE MAPLE
	24"	21	2'	RHODODENDRONS	RHODIE

NOTE:
+ INDICATES HOSE BIB FOR WATERING
IVY GROUND COVER EXCEPT LAWN AREAS
TO BE HELD BACK 2' FROM BUILDING

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A 42 UNIT APARTMENT COMPLEX
FOR
MICHAEL P. MASTRO

REVISIONS
DATE APR 30 84
MAY 19 84

LANDSCAPE PLAN

JOB NO. 8379
SHEET L1 OF 1