



MICROGRAPHICS DEPARTMENT

BUILDING PLANS ORDER FORM (initials)

MI 441863

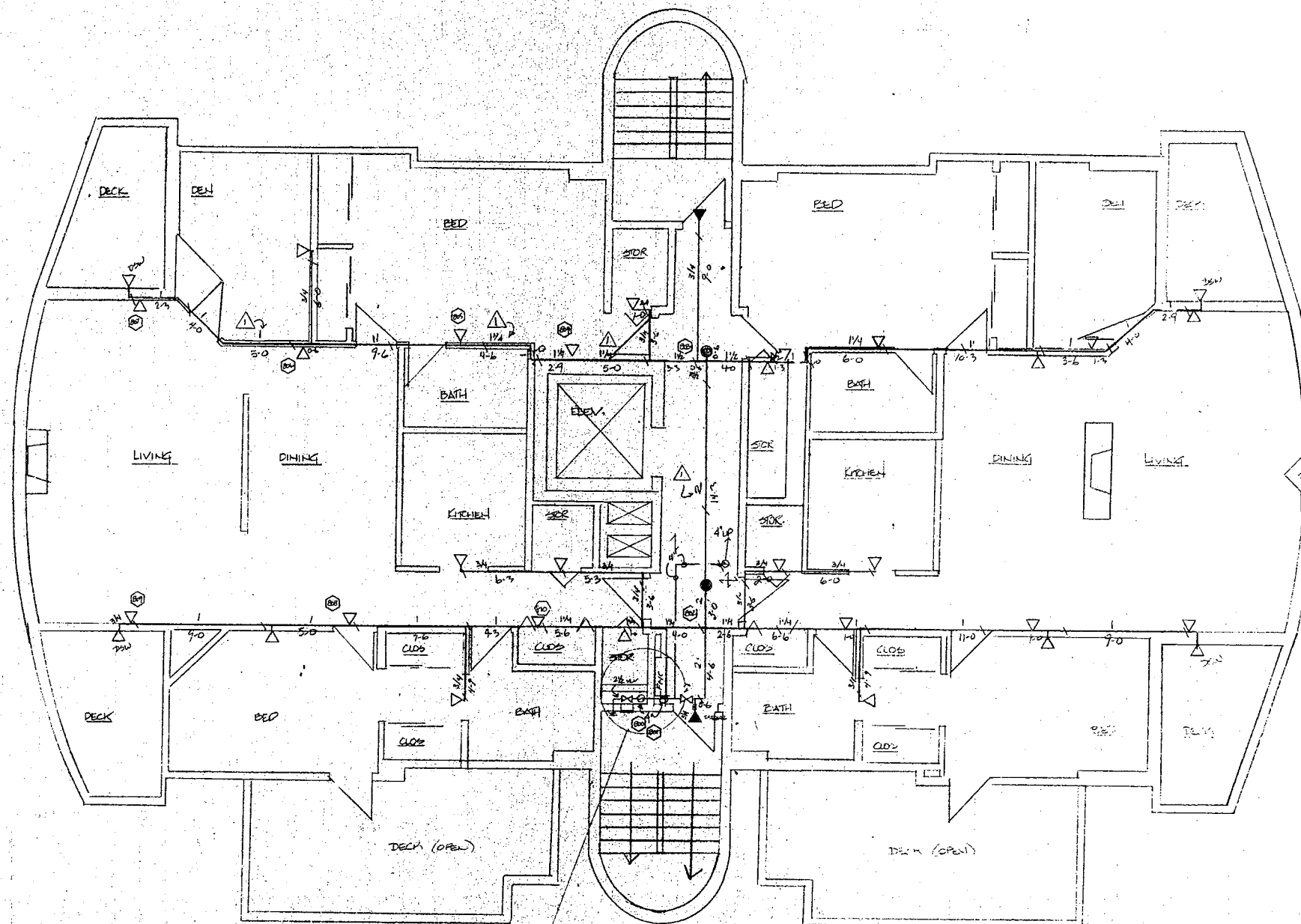
DATE Rev/Spr/Pl/El From Microfiche	ADDRESS	PERMIT #	PAGE #	FRAME #	TOTAL
PLU	1272 Comdx	B 211638	02/02	# 1	1
SPR	"	"	01/01	ALL #1-8	8
	"	"	05/06	ALL #1-8	8
PLU	"	"	01/02	ALL #1-8	8
	"	"	06/06	ALL #1-3	3
CITY OF VANCOUVER COMMUNITY SERVICES PAID MAR 08 2011					
BY-LAW ADMINISTRATION					
TOTAL					28

NOTE: Refunds will not be issued once the frame(s) that you select have been printed.

SYSTEM DETAILS

- SYSTEM IS DESIGNED & SHALL BE INSTALLED IN ACCORDANCE WITH NFPA #13 & CITY BY-LAWS.
- DESIGN IS BASED ON ARCHITECTURAL DRAWINGS BY: HYNEL JONES ARCHITECT DATED: JUNE 7, 1990.
- PIPE LENGTHS ARE CENTRE TO CENTRE & MUST BE FIELD MEASURED TO ENSURE ACCURACY.
- STARTER PIECES, RISERS, & RISER NIPPLES TO BE FIELD MEASURED & CUT ON SITE.
- SPRINKLER PIPING ELEVATIONS ARE RELATIVE TO THE MUNICIPAL MAIN LOCATION. UNSPRINKLERED AREAS IN ACCORDANCE WITH NFPA #13 AND VAN. BLDG. BYLAW: BATHROOMS NOT EXCEEDING 55 SF WITH NONCOMBUSTIBLE PLUMBING FIXTURES, SMALL CLOSETS NOT EXCEEDING 24 SQ. FT. WHERE THE LEAST DIMENSION IS < 3' & THE WALLS & CEILING ARE SURFACED WITH DRYWALL (N.F.P.A. #13 1989).
- STANDARD PENDENT OR UPRIGHT SPRINKLER MAXIMUM COVERAGE: LIGHT HAZARD (LOBBIES, PEDESTRIAN CANOPIES, CORRIDORS, RESIDENTIAL SUITES, CONCEALED SPACES) - SMOOTH CEILING, 225 SQ. FT.; ORDINARY HAZARD (STORAGE AREAS, PARKING GARAGE) - ALL TYPES OF CEILING CONSTRUCTION - 130 SQ. FT.
- STANDARD SIDEWALL SPRINKLER MAXIMUM COVERAGE: NON COMBUSTIBLE SMOOTH CEILING/CONC. CONSTRUCTION - 196 SQ. FT. NON COMBUSTIBLE SMOOTH CEILING/CONC. CONSTRUCTION (INCL. LATH & PLASTER) AT - 168 SQ. FT.
- UPRIGHT/PENDENT SPRINKLER POSITION BENEATH CEILING: NON COMBUSTIBLE SMOOTH CEILING - 1'-12".
- SIDEWALL SPRINKLER POSITION WITH RESPECT TO WALL AND CEILING: NOT MORE THAN 6" AND NOT LESS THAN 4".
- SPRINKLER SPECIFICATIONS:
- SPRINKLER PIPING: BLACK STEEL SCHEDULE 40 (THREADED FITTINGS OR COUPLINGS), SIZES: 1" TO 2" BLACK STEEL SCHEDULE 10 (LISTED COUPLINGS), SIZES: > 2"
- STEEL PIPING SHALL NOT BE WELDED UNLESS APPROVED BY THE PROF. ENGINEER.
- WATER FILLED PIPING SHALL BE PROTECTED FROM FREEZING BY INSULATING COVERINGS, FROSTPROOF CASINGS, OR OTHER RELIABLE MEANS CAPABLE OF MAINTAINING A MINIMUM TEMPERATURE OF 40 DEG. F.
- SWAY BRACING SHALL BE STANDARD IN ADDITION TO THE FOLLOWING: LATERAL SWAY BRACES SPACED 40' ON CENTRE SHALL BE INSTALLED WHERE PIPING IS HUNG BY SINGLE RODS EXCEEDING 6" IN LENGTH. LONGITUDINAL SWAY BRACES SPACED 80' ON CENTRE SHALL BE INSTALLED ON FEED AND CROSS MAINS.
- PIPING SUPPORT AND HANGERS: HANGERS SHALL BE LISTED ADJUSTABLE FLAT IRON TYPE WITH SIDE BEAM BRACKET OR BE U-TYPE CONSTRUCTED OF MILD STEEL. THE BUILDING STRUCTURE WHERE SUCH HANGERS ARE ATTACHED SHALL BE DESIGNED TO SUPPORT THE ADDITIONAL LOAD OF THE WEIGHT OF THE WATER FILLED PIPE PLUS 250 LBS.
- FIRE DEPARTMENT CONNECTION SHALL BE LOCATED WITH 150' OF A FIRE HYDRANT AND BE UNOBSTRUCTED IN ACCORDANCE WITH THE VAN. BUILDING BY-LAW.
- SPRINKLER SYSTEM IS HYDRAULICALLY DESIGNED - SEE HYDRAULIC DESIGN SUMMARY SHEETS WHICH FORM PART OF THIS PLAN.
- UNDERGROUND SPRINKLER CONNECTION SHALL BE INSTALLED IN ACCORDANCE WITH N.F.P.A. #24 PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES AND LOCAL CITY BY LAWS.
- INFORMATION FOR WATER SUPPLY GRAPH OBTAINED FROM CITY OF VANCOUVER: WATER STATIC PRESSURE: 75 PSI SUMMER STATIC PRESSURE: 68 PSI RESIDUAL PRESSURE OF 63 PSI & FLOW OF 1200 USGPM
- A MINIMUM 7" SHALL BE PROVIDED BETWEEN FLOOR AND SPRINKLER PIPING IN PARKING AREA.
- THE SPRINKLERS ARE NOT INTENDED TO BE USED IN LIEU OF HEAT DETECTORS REQUIRED AS PART OF A FIRE DETECTION AND ALARM SYSTEM REQUIRED BY THE VANCOUVER BUILDING BYLAW REGULATIONS.
- DRY SYSTEM PIPING SHALL BE SLOPED TO FACILITATE DRAINING IN ACCORDANCE WITH N.F.P.A. #13.
- DRY SYSTEM VOLUME IS 290 GALLONS, A QUICK OPENING DEVICE IS NOT REQ'D.

- LEGEND
- HYDRAULIC REFERENCE POINT (NODE)
 - SWAY BRACING
 - LATERAL SWAY BRACING
 - LONGITUDINAL SWAY BRACING
 - 4 WAY SWAY BRACE
 - UPRIGHT SPRINKLER: RASCO MODEL "6" K = 5.62 165 F. NUMBER: 116
 - UPRIGHT SPRINKLER: RASCO MODEL "6" K = 5.62 286 F. NUMBER: 4
 - PENDENT SPRINKLER: RASCO MODEL "F1" K = 5.62 155 F. NUMBER: 18
 - SIDEWALL SPRINKLER: RESIDENTIAL RELIABLE RES-MACH1 1/2" ORIFACE K = 5.4 165 F. NUMBER: 266
 - PENDENT SPRINKLER: RESIDENTIAL RELIABLE RES-MACH1 1/2" ORIFACE K = 5.4 165 F. NUMBER: 20
 - HORIZONTAL DRY SPRINKLER: RASCO MODEL "63" 165 F. NUMBER: 28
 - QUICK RESPONSE SPRINKLER: SSU: RASCO MODEL "GFR" 165 F. K = 5.62 NUMBER: 3.



SEE DETAIL FIG. # B OF B

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REVIEWED

WORKING DWGS. L.L. of 8, page 7

FOR: STANDPIPES AND SPRINKLERS ONLY

FORMING PART OF: BP2110338

BY: PKH

DATE: MAY 10 1991

SUBJECT TO INSPECTION, DETAIL PLAN HAS NOT DONE FULL COMPLIANCE TO LATEST VANCOUVER BUILDING BY-LAWS. FROM 13 & 14 STANDARDS IS TOTAL RESPONSIBILITY OF PROFESSIONAL ENGINEER. GIVING ASSURANCE OF STANDPIPE AND/OR SPRINKLER SYSTEM COMPLIANCE.

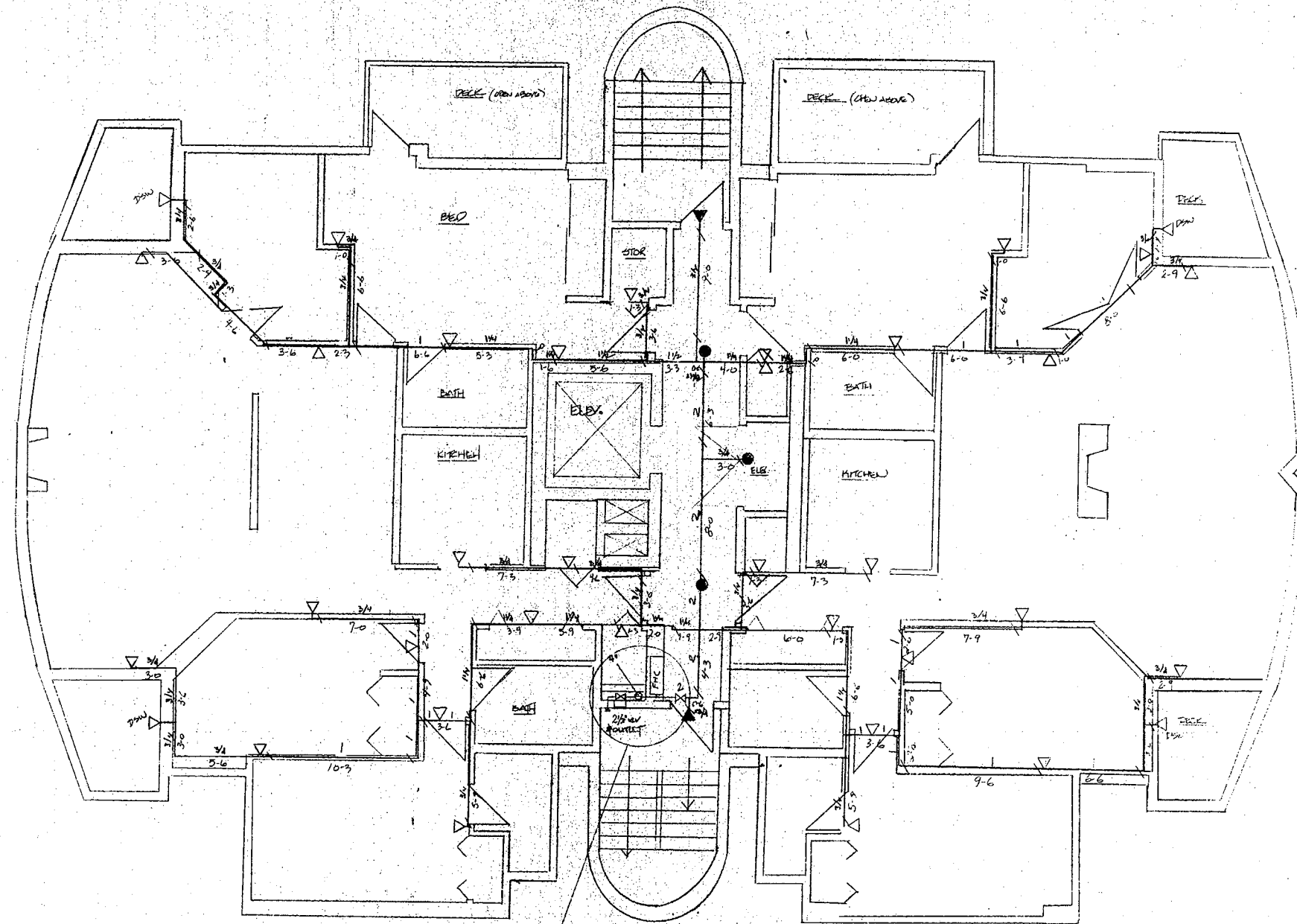
AGB SYSTEMS ENGINEERING LTD.
9020 DIXON AVENUE
RICHMOND, B.C.
V6X 1E4 274-5195



MAY 3 1991

CIR MECHANICAL LTD. 444-1334		PROJECT: 1272 CONDO #1, VANCOUVER BC	
DATE: MAY 10	REVISION: 1	BY: PKH	DATE: MAY 10
DATE: MAY 10	REVISION: 2	BY: PKH	DATE: MAY 10
DATE: MAY 10	REVISION: 3	BY: PKH	DATE: MAY 10
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DATE: MAY 10	REVISION: 9	BY: PKH	DATE: MAY 10
DATE: MAY 10	REVISION: 10	BY: PKH	DATE: MAY 10

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SEE DETAIL DWG 8 OF 8

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WORKING DWGS. (1 of 8) page 1

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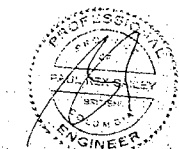
FORMING PART OF: BP211633

BY: PKH

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SUBJECT TO INSPECTION. DETAIL PLAN CHECK NOT DONE. FULL COMPLIANCE TO LATEST VANCOUVER BUILDING BY-LAWS, N.B.A. 13 & 14 STANDARDS IS TOTAL RESPONSIBILITY OF PROFESSIONAL ENGINEER GIVING ASSURANCE OF STANDPIPE AND/OR SPRINKLER SYSTEM COMPLIANCE.

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CIR MECHANICAL LTD. 444-4334	
PROJECT: 1272 CONOR ST. VANCOUVER BC	
DATE: MAR 91	BY: [Signature]
DATE: [Blank]	BY: [Blank]
DATE: [Blank]	BY: [Blank]
6TH FLOOR + 7TH FLOOR	
2 OF 8	

DATE FILMED: MAY 21 '91

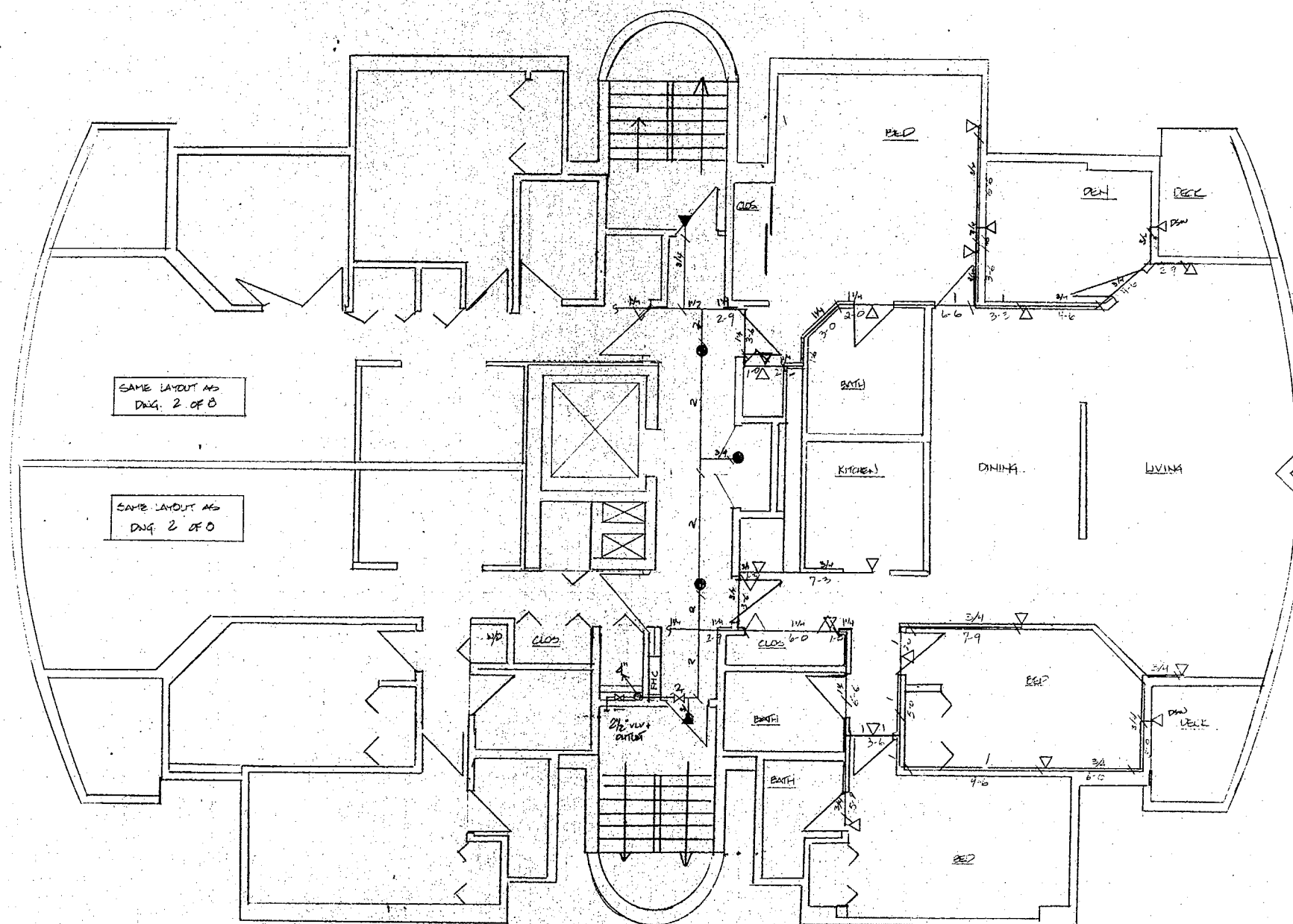
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DWG. 2 OF 8

SAME LAYOUT AS
DWG. 2 OF 8

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WORKING DWGS. (3 of 8) page 1

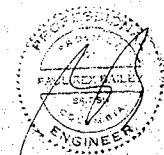
FOR: STANPIPES AND SPRINKLERS ONLY
FORMING PART OF B.P. 11638

BY: PKH

DATE: MAY 10 1991

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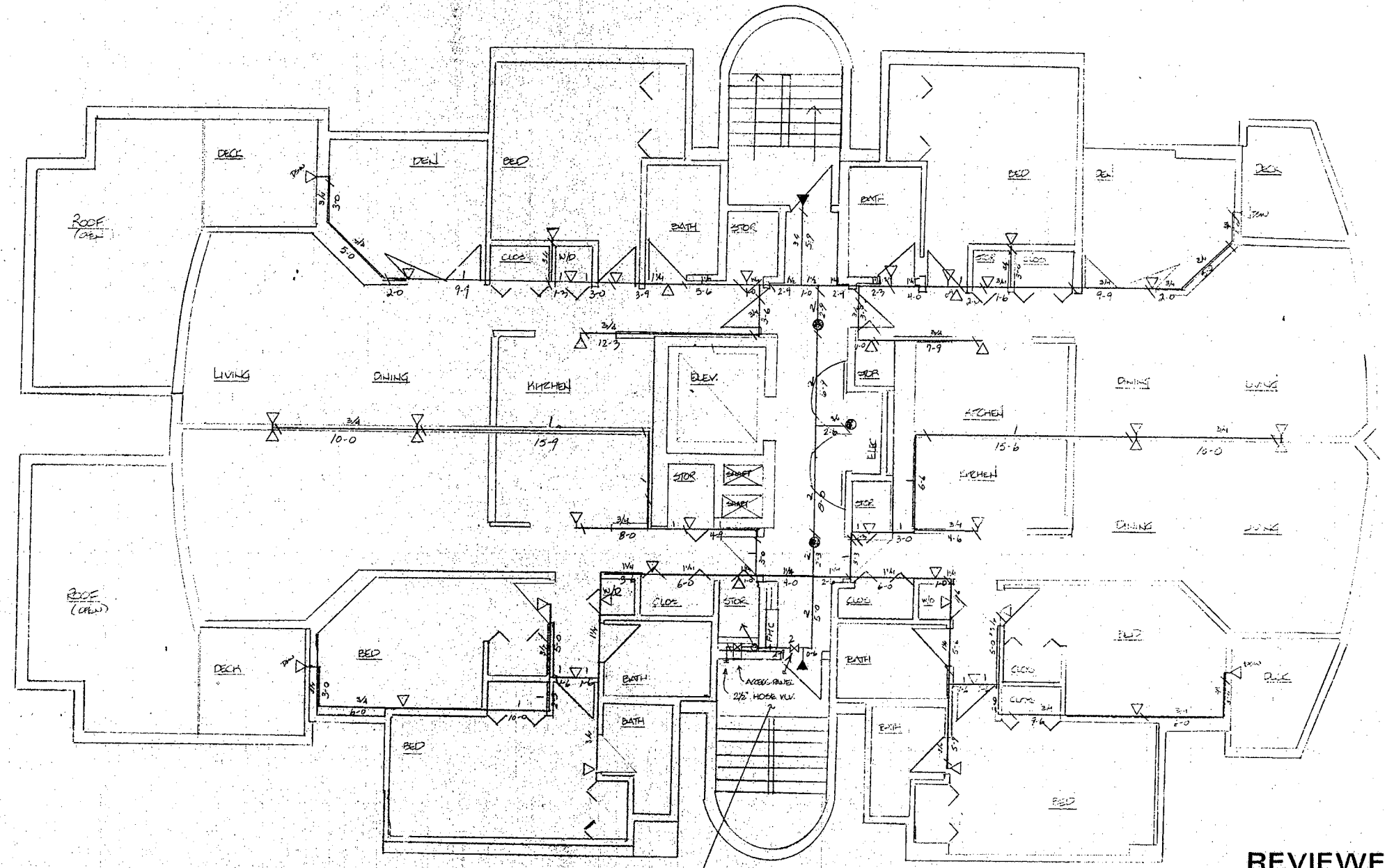
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CIR MECHANICAL LTD 444-4394	
PROJECT: 1272 COMOX ST. VANCOUVER BC	
SCALE: 1/4"=1'-0"	DATE: MAR '91
BY: PKH	DATE: MAY '91
TITLE: 5TH FLOOR	
3 OF 8	

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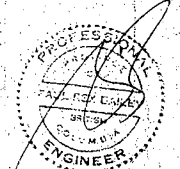


TYPICAL FLOOR CONTROL
VALVE ASSEMBLY
(SEE SCHEMATIC)

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DATE: MAY 1, 1991
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CIR MECHANICAL LTD 444-8334		PROJECT 1212 COMOX ST VANCOUVER	
SCALE 1/8" = 1'-0"	DATE MAY 1 1991	BY PKH	DATE MAY 1 1991
PROJECT 1212	DATE MAY 1 1991	BY PKH	DATE MAY 1 1991
TITLES 2ND, 3RD AND 4TH FLOORS		4 OF 8	

Table 1

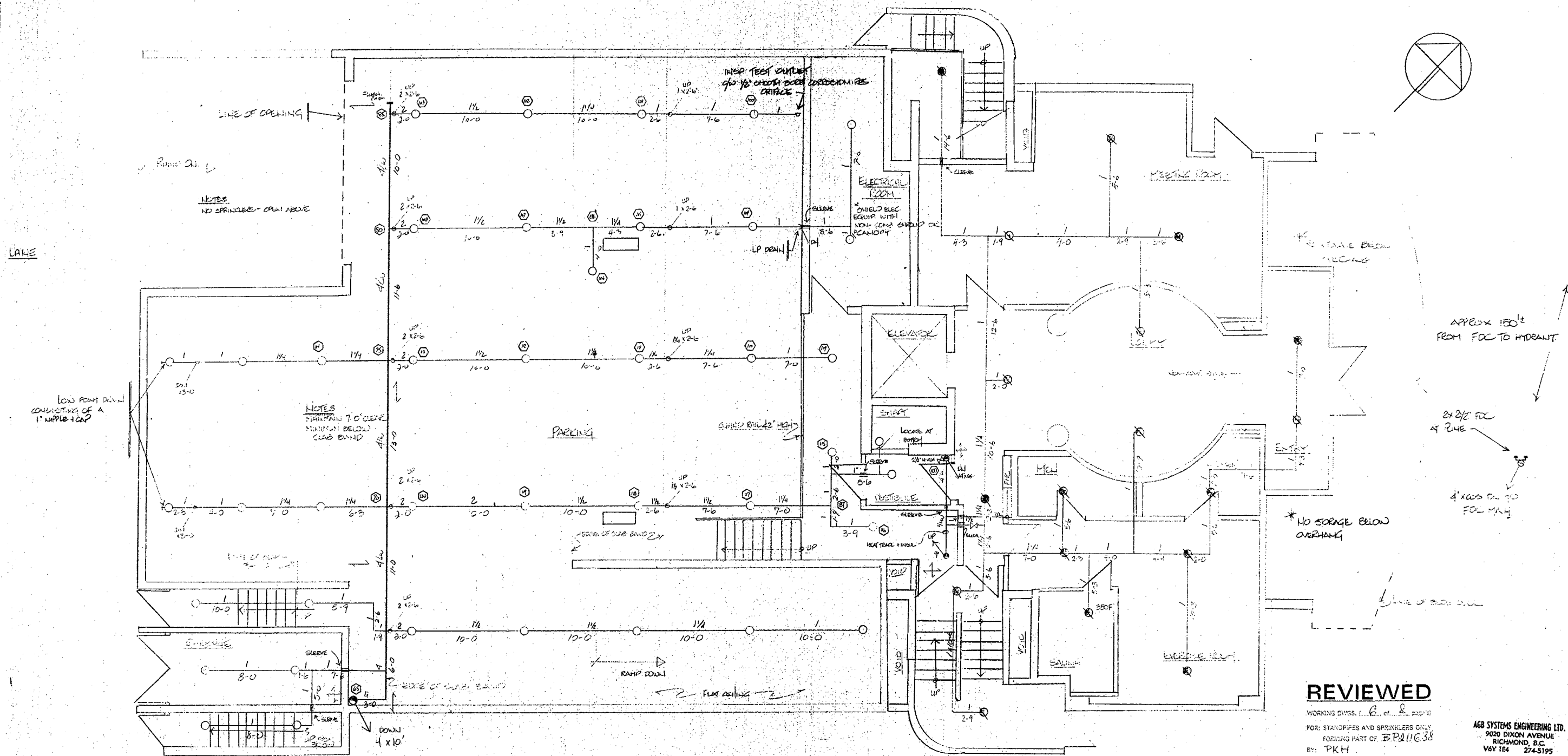
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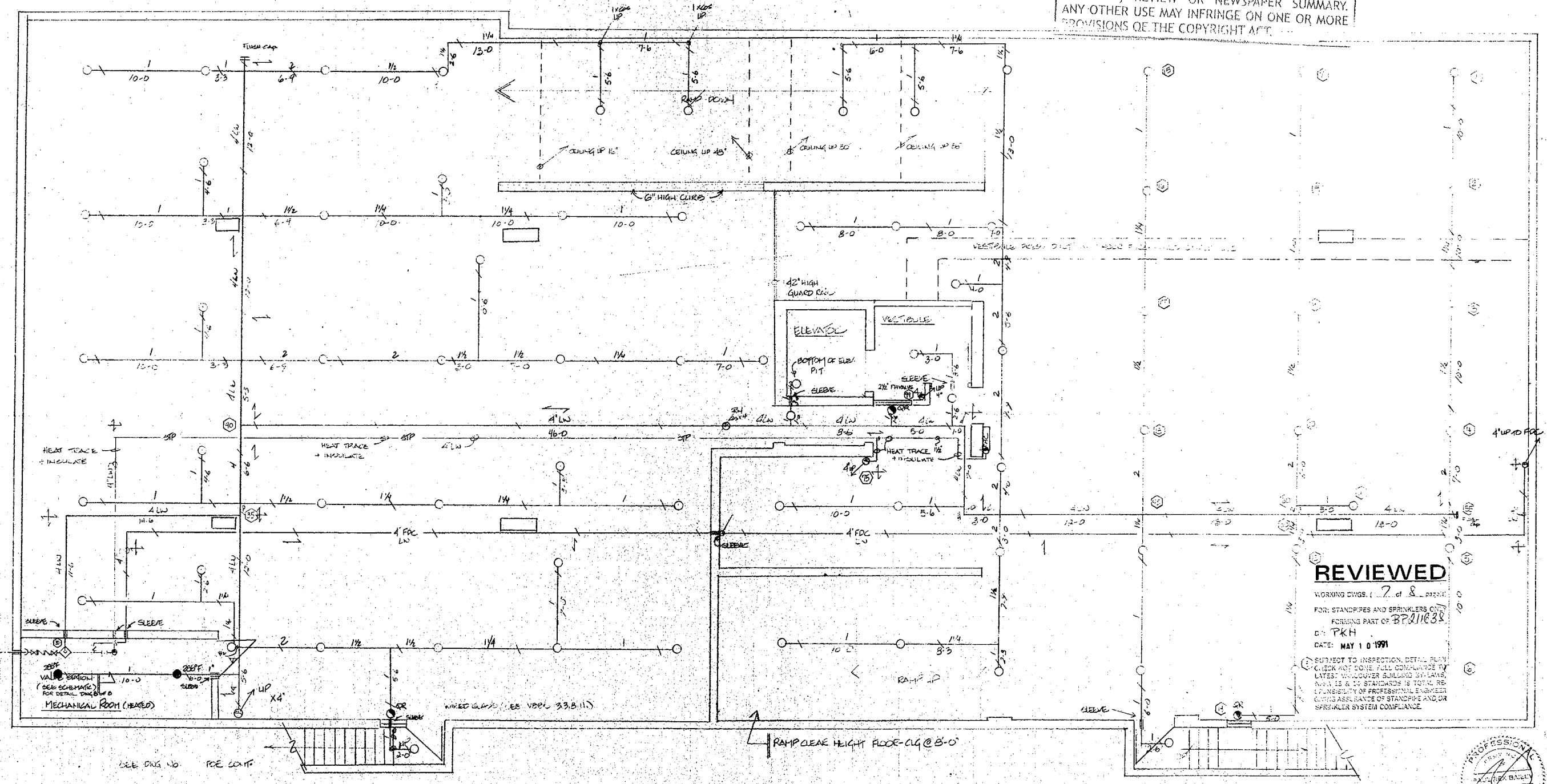
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DATE: MAR 91			
DESIGNED BY: [Signature]	CHK:		
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FORMING PART OF BP211638
D: PKH
DATE: MAY 10 1991
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MAY 15 & 16 STANDARDS IS TOTAL RE-
LYING ON THE PROFESSIONAL ENGINEER
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SPRINKLER SYSTEM COMPLIANCE.

Lower Parade Level
1/4" = 1'-0"

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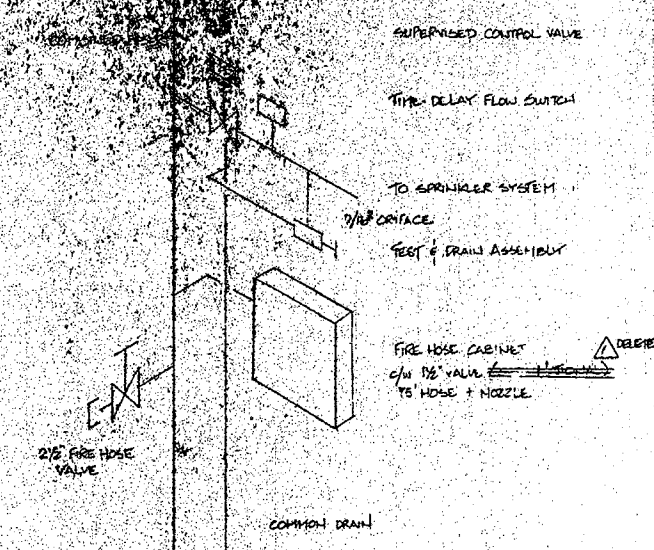


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DATE: DEC 91	BY: DATE
DATE: 1272 CONDO STREET VANCOUVER BC	7 & 8

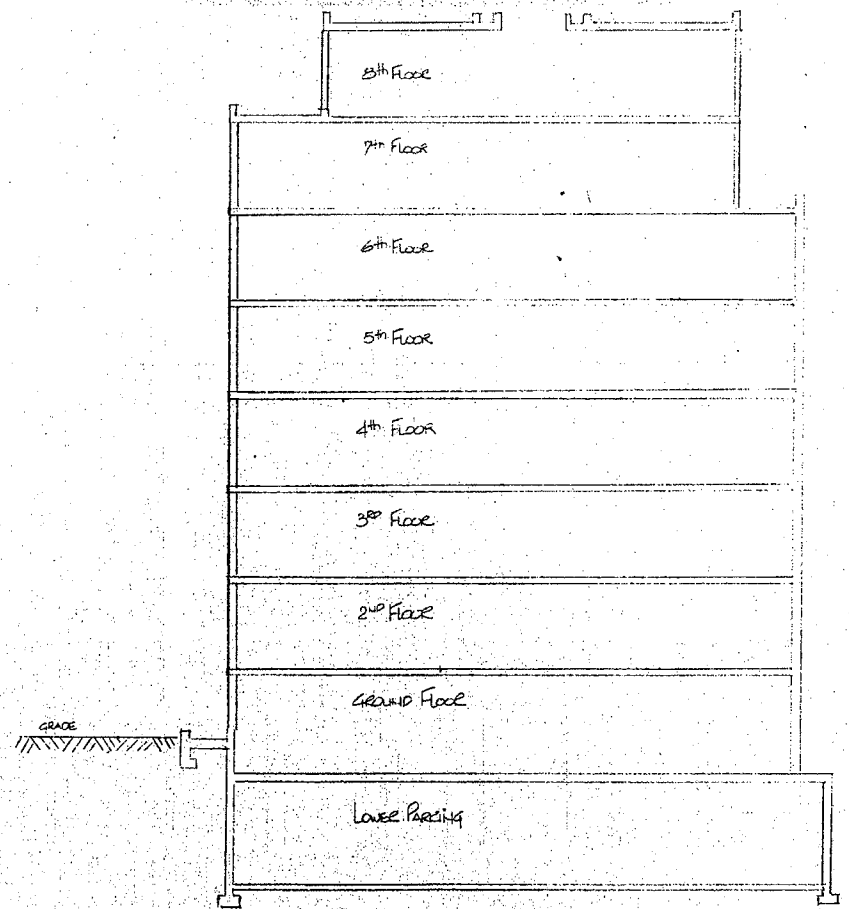
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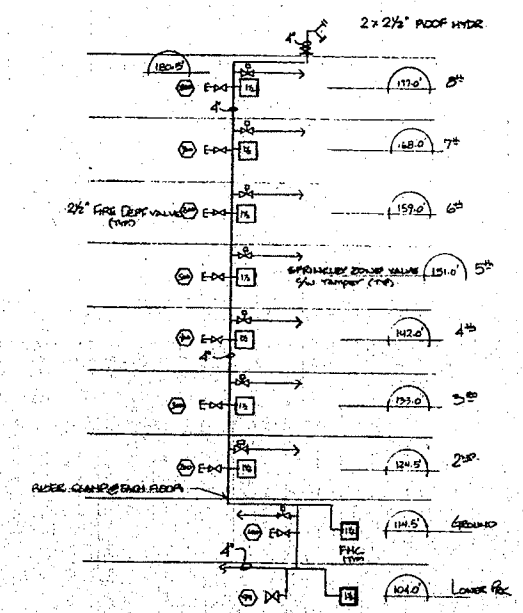
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RISER SCHEMATIC
(NOT TO SCALE)



ELEVATION
1/8" = 1'-0"

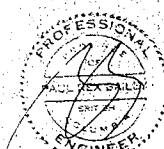


RISER SCHEMATIC
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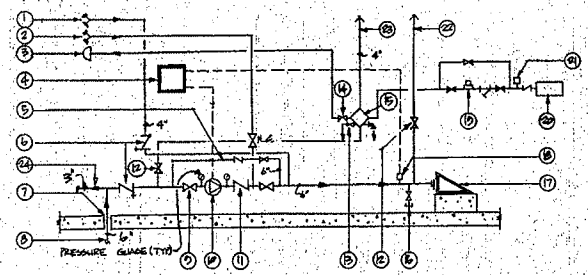
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FOR: STANDPIPES AND SPRINKLERS ONLY
FORMING PART OF 32411233
DATE: MAY 10 1991
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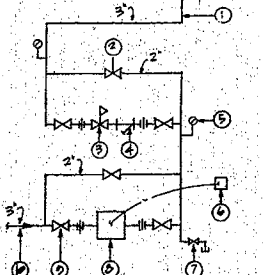


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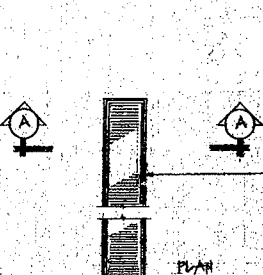
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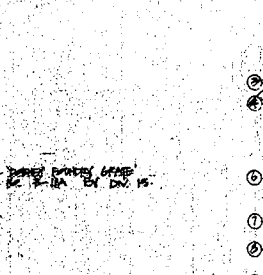
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2. TEST VALVE
3. FIRE PUMP CONTROLLER
4. STARTER
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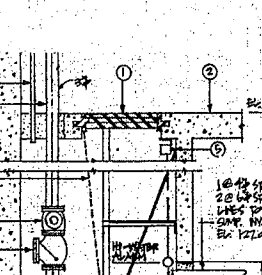
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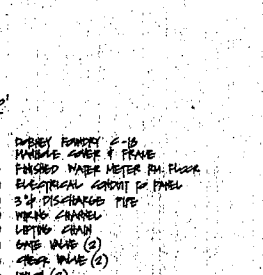
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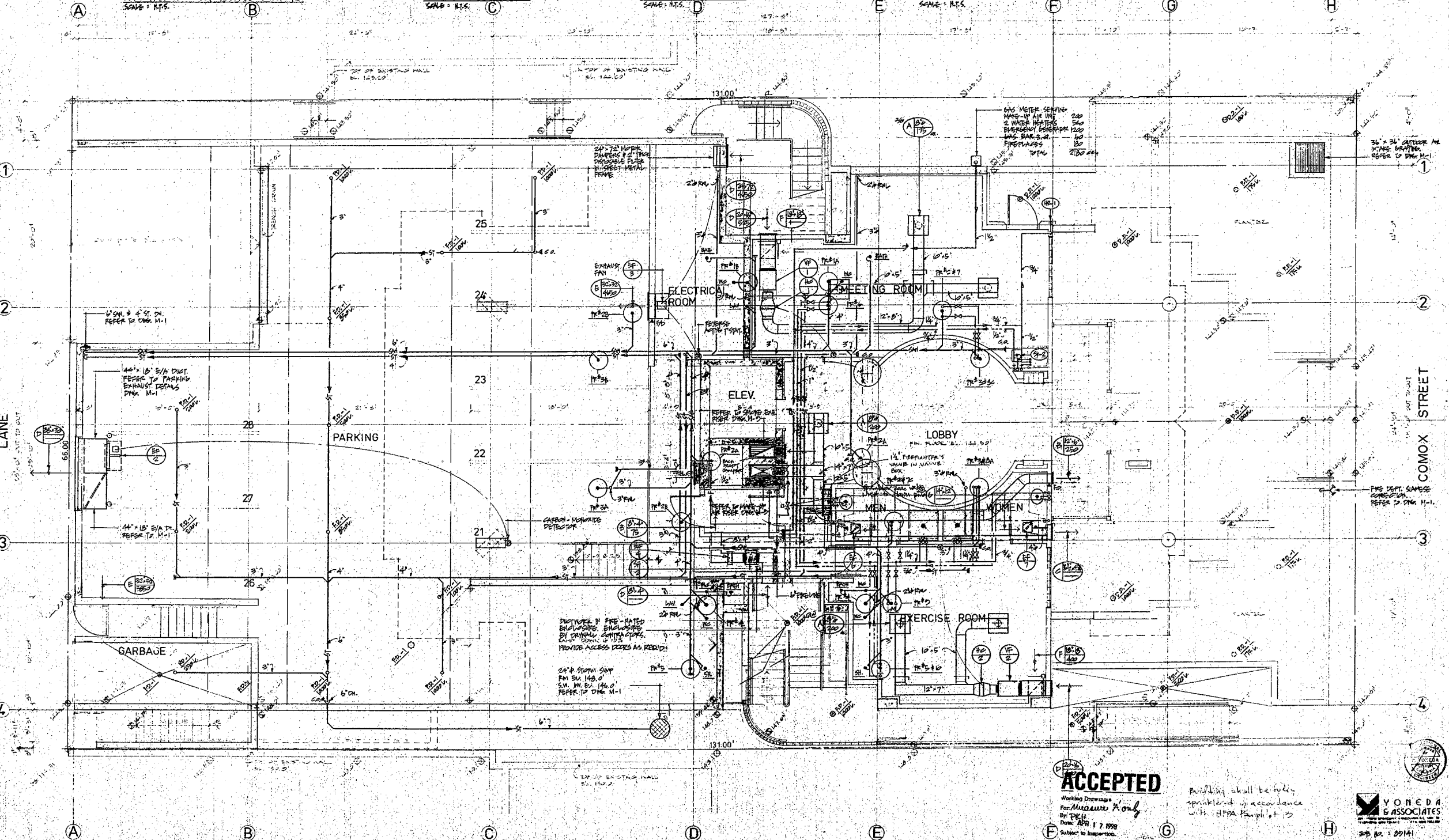
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RECEIVED
MAR 13 1998
PERMITS & LICENSING DEPT.

HYWEL JONES ARCHITECT

BOB STAMPS LANDING: VANCOUVER B.C. V5Z 3Z1 604/679-1599

General Notes	DATE	BY	REVISION
1. ISSUED FOR BUILDING PERMIT	MAR 12, 1998	HYWEL JONES	1
2. ISSUED FOR BUILDING PERMIT	MAR 22, 1998	HYWEL JONES	2
3. ISSUED FOR BUILDING PERMIT	MAR 31, 1998	HYWEL JONES	3
4. ISSUED FOR BUILDING PERMIT	APR 15, 1998	HYWEL JONES	4



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proposed apartment building
1272 comox street vancouver bc
atlas west development corporation

GROUND FLOOR PLAN
MECHANICAL

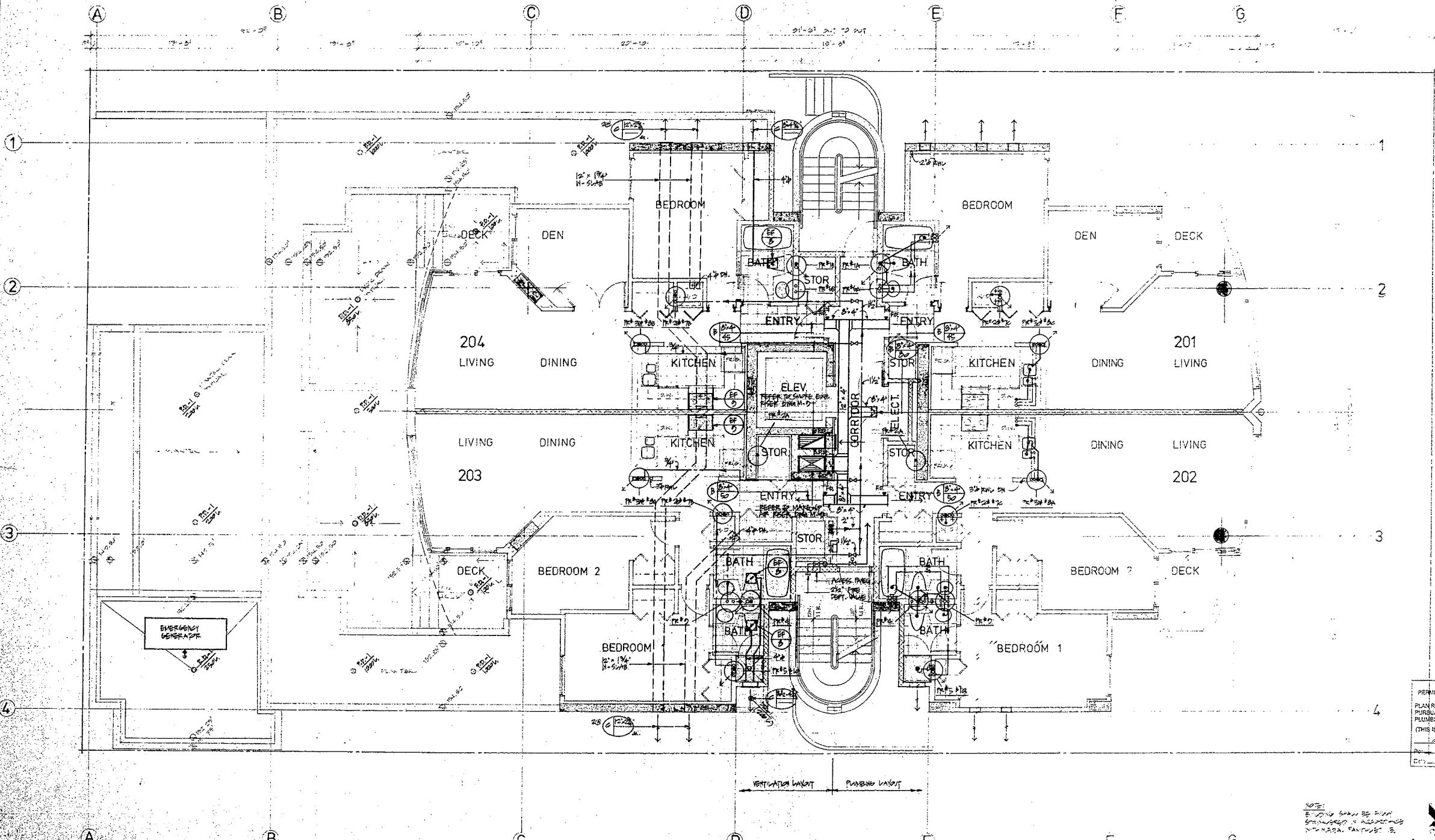
SCALE: 1/4" = 1'-0"
DATE: MAR 12, 1998
DRAWN: JD

ACCEPTED
Working Drawings
For Measure 4000
Date: APR 17 1998
Subject: 1272 Comox St.

YONEDA & ASSOCIATES
245 B.C. 60141

GENERAL NOTES:

- Provide complete and fully operational mechanical systems to meet requirements described herein and in accordance with applicable codes and ordinances.
- Visit the site before submitting tender and examine local and existing conditions on which the work is dependent. No consideration will be granted for misunderstanding of work to be done resulting from failure to visit the site.
- Should the contractor discover any specified equipment, material or installation which may be in violation of law, ordinance, or regulations of authorities having jurisdiction promptly bring the matter to the attention of the consultant.
- Assume responsibility for laying out of work and for damage caused by improper execution of work.
- Protect finished and unfinished work from damage. Repair damage to parts of building resulting from improper execution of work.
- Give notices, obtain permits and pay all fees (including service connection fees) for the work specified herein. Certify that work installed conforms with the laws and regulations of authorities having jurisdiction.
- Protect equipment and materials in storage on site, during and after installation until final acceptance. Thoroughly clean piping, ducts and equipment of dirt, cuttings and other foreign substances.
- All necessary cutting, coring and patching of existing wall, floor and roof required to complete new mechanical installation shall be included in this contract.
- All piping material shall be in accordance with B.C. Plumbing Code and local building by-law with the following minimum standards.
 - Water piping shall be type L copper with wrought copper fittings. Joints shall be made using flux and 95/5 solder.
 - Sanitary and storm piping above grade shall be DWV cast iron pipe with cast iron fittings. Joints shall be made using MJ mechanical fasteners. Sanitary and storm piping below grade shall be DWV ABS/RVC piping with ABS/RVC fittings. Joints shall be solvent welded.
 - AC piping will not be accepted.
 - Gas piping shall be Schedule 40 pipe with Schedule 40 fittings. Joints shall be screwed or welded as required by the B.C. Gas Code.
- Provide flash type steel framed panel, concealed type hoppers, one type operator, prime coated (for painting on site by general contractor) access doors in finished ceilings, and walls for concealed mechanical components such as valves, coils, fire dampers, volume dampers, cleanouts and controls. Use stainless steel access covers for wall cleanout in washrooms.
- Check and confirm connections and invert elevations of all services prior to commencing work.
- Provide sleeves for piping passing through floor slab. Caulk around piping and fill all space between piping and floor slab with approved fire retardant material to maintain required fire rating, where necessary.
- Provide flashing and counterflashing where pipes, ducts, and other mechanical parts pass through weather or waterproofed walls, floors, and roofs.
- Provide each plumbing fixture with its own trap, drain and vent in accordance with applicable codes. Provide chrome plated flexible supplies to fixtures with handle stops, petcocks and shutcocks. Provide trap primers where required by B.C. Plumbing Code. Install traps so they can be easily removed for servicing and cleaning.
- Plumbing fixtures shall be product of one manufacturer and plumbing traps shall also be the product of one manufacturer. All finished surfaces shall be clear, smooth and bright, free from flaws and blemishes and bear CSA approval.
- Upon completion, flush plumbing systems before installation of fixtures to remove foreign material in piping.
- Install gas piping in open or ventilated spaces and install manual shut-off valves on equipment in readily accessible locations. Flush gas lines and provide drip legs.
- Follow ASHRAE and SMACNA standards for gauges, ductwork construction, balancing, adjustment and equipment installation. All work shall conform to NFPA 90-A and 91.
- Provide insulation c/w vapour barrier to all domestic hot and cold water lines and supply air ductwork. Pipe insulation shall be 1" thick except for pipe size 2 1/2" and smaller, use 3/4" thick insulation. Use 1" thick insulation on all supply air ducts.
- All systems, equipment and material shall be tested. Testing procedures shall be as required by specification below or authority having jurisdiction. Carry out hydraulic tests for 8 hour period and maintain pressure with an approved pressure drop. Where leakage occurs, repair and retest.
 - Test domestic water piping to 150 psig water pressure at system low point.
 - Test drainage system by filling with water to produce water pressure of 5 feet minimum 25 feet maximum. Check for proper grade and obstruction by ball test.
 - Test gas piping as required by authorities having jurisdiction.
 - Test low velocity ducts for tightness such that leakage is inaudible and not detectable by feel.
 - Test sprinkler system in accordance with requirements of the NFPA No. 13, Insurance and local authorities having jurisdiction.
- All air systems shall be balanced. Provide balancing reports in accordance with ASHRAE Manual. Submit 3 copies of operating and maintenance manuals for all mechanical systems installed. Manuals to be bound in hard covered binders with proper indexing as per recommendations of ASHRAE manuals.
- Where pipes, ducts, cables, etc., partially penetrate or pass through fire rated walls or floors, or make separation walls or floors, seal all voids between pipe or duct and wall with a UIC approved caulking to the hourly rating required by the National Building Code or local codes. Firestopping shall be installed by a contractor separately engaging in this work.
- Provide one year warranty on all equipment and labour.
- Submit 6 copies of shop drawings for approval for equipment used.
- Keep in job office an extra set of white prints and record daily changes and deletions. At completion of project turn over to owner one complete set of as-built drawings showing all changes. (Cost of as-built copies shall be included by the mechanical contractor.)
- Provide complete automatic dry sprinkler system in accordance with NFPA-13 in the underground parking garage. Provide wet standpipes with fire hose cabinets to NFPA-13 for City of Vancouver requirements. Contractor to submit complete fabrication drawings and hydraulic calculations to City for approval.
- Controls:
 - All controls shall be electric and shall be the responsibility of the Division 16 contractor.
 - All control wiring shall be run in conduit. Conduit to be supplied and installed by the Division 16 contractor.
 - Make-up Air System MUA-1
 - Make-up air system shall run continuously.
 - Provide an adjustable discharge temperature controller (initial setting 60 degrees F) to control the duct heater of the make-up air unit.
 - Interlock the make-up air unit to the fire alarm panel by Division 16 contractor to shutdown during a fire emergency.
 - Smoke Exhaust System SE-2
 - Division 16 contractor shall be responsible to interlock the smoke dampers to the fire alarm panel.
 - Smoke exhaust fan shall be manually energized at the fire alarm panel by fire fighting personnel. Wiring to stop/start switch shall be by Division 16 contractor.
- Provide vibration isolation systems for mechanical equipment where required. Isolators shall have seismic restraints c/w snubbers. Isolation system shall be designed by a Professional Engineer, retained by this contractor, and drawings bearing the seal of the Engineer shall be submitted.



CITY OF VANCOUVER
PERMITS AND LICENSES DEPARTMENT
PLAN REVIEWED AND ACCEPTED
PURSUANT TO THE VANCOUVER
PLUMBING BY-LAW.
(THIS IS PART OF PLUMBING PERMITS)
DATE: 11/12/2013
BY: [Signature]
REV: 01

YONEDA & ASSOCIATES
PLUMBING ENGINEER
DATE: 11/12/2013
BY: [Signature]

HYWEL JONES ARCHITECT

608 STAMPS LANDING VANCOUVER B.C. V6Z 3Z1 (604) 674 1599

proposed apartment building
1272 comox street vancover bc
atlas west development corporation

NOT ACCEPTABLE
for New Building Application.

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SECOND FLOOR PLAN

M-3 of 9

EQUIPMENT SCHEDULES							
EXHAUST FANS - BASED ON GREENHECK UNLESS NOTED OTHERWISE							
NO.	MODEL	SERVICE	CFM	S.P.	H.P.	RPM	E.E.C.
EF-1	SM-24	LOWER PARKING	3850	2.25"	1/2	705	120/1/60
EF-2	SM-24	UPPER PARKING	3850	2.25"	1/2	705	120/1/60
EF-3	SM-24	ELECTRICAL RM.	4650	2.25"	1/2	850	120/1/60
EF-4	SM-18-24-B	ELECTRICAL RM.	2375	0.145"	1/4	1140	120/1/60
EF-5	DELV-610	SHOPE EXHAUST	800	2.6"	1/4		120/1/60
EF-6	BRAH-676	WASH. MACHROOM	110	0.125"	1/8		120/1/60
EF-7	BRAH-676	WASH. MACHROOM	110	0.125"	1/8		120/1/60
EF-8	BRAH-675	T.P. BATHROOM	75	0.153"	1/2		120/1/60
EF-9	W-TIME-111-B100H	TYP. KITCHEN	200	0.105"	1/4		120/1/60

ACCESSORIES:
EF-1, 2 & 3: WALL HOUSING GUARD, WALL MOUNT HOUSING, CHIMNEY & CHIMNEY GUARD.

MAKE-UP AIR UNIT: BASED ON 1.0 E. (METER CITY ENERGY)							
NO.	MODEL	HEAT.	CFM	S.P.	H.P.	RPM	E.E.C.
MAU-1	UTB-11-200	200,000	2,375	1.0	1.0	850	200/3/60

ACCESSORIES:
MAU-1: 70" STAIRS, FUSES, CONTROLS, MOTORIZED CHIMNEY ON NITRO INLET, MOUNT UNIT ON THE STAIRS.

SUPPLY FAN: BASED ON GREENHECK							
NO.	MODEL	SERVICE	CFM	S.P.	H.P.	RPM	E.E.C.
SF-1	CAF-25		75	0.375"	1/8	1050	200/1/60

ACCESSORIES:
HEATING COILS REL. 304. HEAT-ONLY T-SHATS

VENTILATION FANS: BASED ON 'DEATH'							
NO.	MODEL	SERVICE	CFM	S.P.	H.P.	RPM	E.E.C.
VF-1	207 BLOWER		535	0.5"	1/4	1075	200/1/60
VF-2	207 BLOWER		400	0.5"	1/4	1040	200/1/60

ACCESSORIES:
VF-1: HEATING COIL HE-1, HEAT-ONLY T-SHATS.
VF-2: HE-2.

HEATING COILS: BASED ON 'CHRYSLER'							
NO.	MODEL	HEAT.	CFM				E.E.C.
HC-1	DRE/10/10/6/5	5.0 KW	525				200/1/60
HC-2	DRE/10/10/6/3	3.0 KW	400				200/1/60
HC-3	DRE/10/10/6/2	2.0 KW	75				200/1/60

EMERGENCY POWER

PUMPS:							
NO.	MODEL	CFM	FT. HEAD	HP	RPM		E.E.C.
P-1	WATERS' WHITE	60	15	1/2			200/3/60
P-2		60	15				200/3/60
P-3	WATERS' S-405-10	500	20	3/4			200/3/60
P-4	BY SPRINKLER/STANDARD CONTRACT	10	115	1/8			120/1/60
P-5	WATERS' WTS-20-42	10	7				120/1/60

EMERGENCY POWER

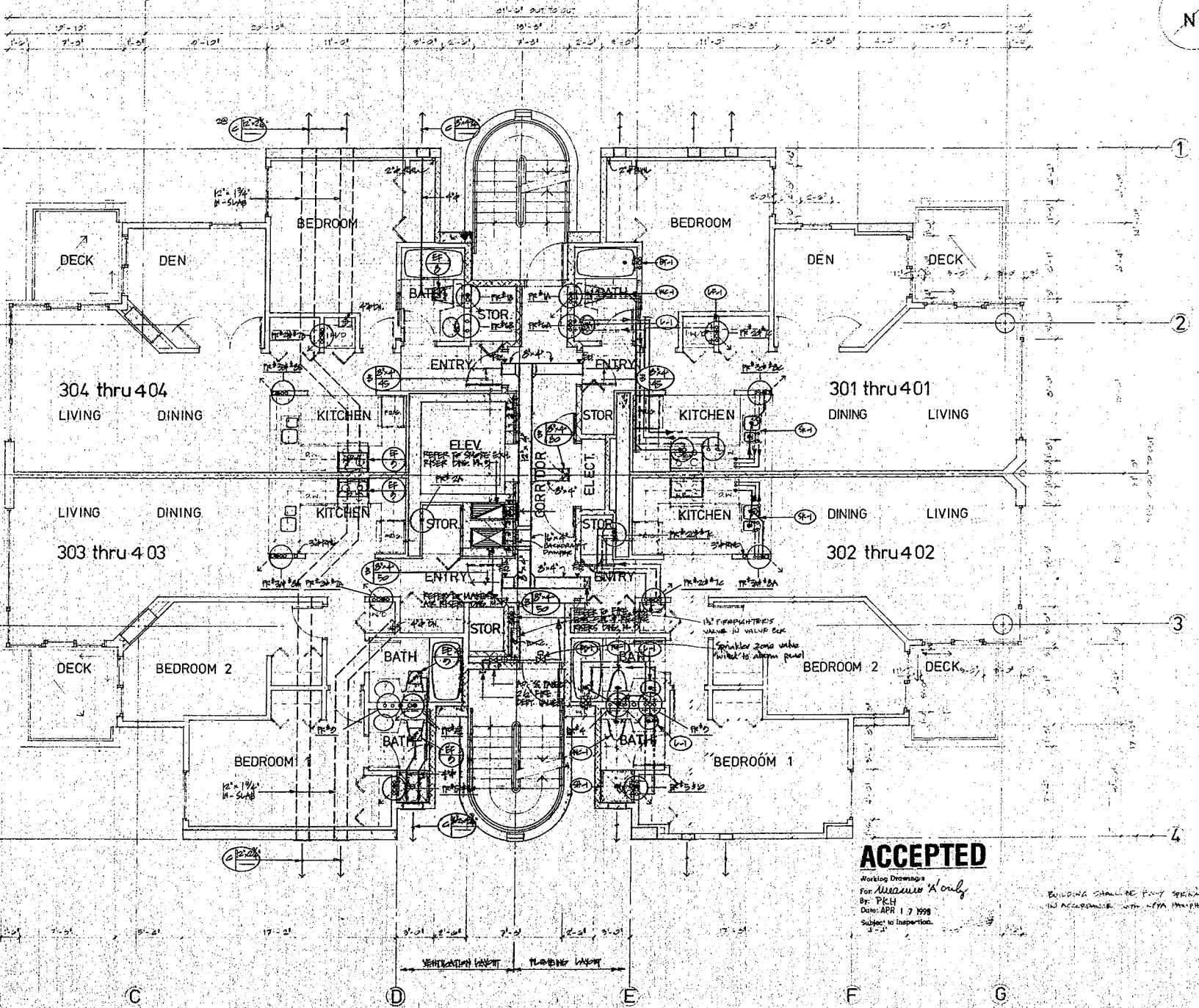
WATER HEATERS: BASED ON 'A.O. SMITH'							
NO.	MODEL	GAS INLET	STORAGE	RECOVERY @ 100°F RISE			
WH-1	BT-270	270,000 BTU/H	57 GAL.	50.2 GPH.			
WH-2							

ACCESSORIES:
P-1: FETTER VALVE, DRAIN, AUTO. CONTROLS

PLUMBING FIXTURE SCHEDULE: BASED ON AMERICAN STANDARD, 'FLAT' & 'TUB'			
TYPE	MODEL	TRM	ACCESSORIES
WC-1	AF-2150-200T-2		WASHITE 20 SEAT, WHITE TRUCK 47T212 SUPPLY
U-1	AF-2474-200T	WOMEN 4125-A	TRUCK 47T212 SUPPLIES TRUCK 33T311 P-TIME
BT-1	AC-0125 OR AC-0127	WOMEN 3101 SHOWER VALVE WOMEN 3201 SHOWER HEAD WOMEN 3340-20 TUB SEAT	WOMEN 3040 WASTE & OVERFLOW COLOR - WHITE
SK-1	'WALTON' DS-1826-H	WOMEN 7533-B SINKS WOMEN 7533-B FAUCET	TRUCK 47T212 SUPPLIES TRUCK 33T311 P-TIME
SK-2	'WALTON' HU-1313-X	2 COMPARTMENT BAR SINK	4" IN TRM SAME AS SK-1
SH-1	'FLAT' 32 IN. MOUNTED SINK	WOMEN 3101 SHOWER VALVE WOMEN 3201 SHOWER HEAD	SHOWER DOOR/SHOWER BY OTHERS
LP-1	SIMMONS' H-600	WOMEN 3101 SHOWER VALVE WOMEN 3201 SHOWER HEAD	1/2" N.A.A. WATER INLET-CONNECTING 1/2" STAINLESS STEEL
RD-1	'ZURN' Z-100	ROOF	RAINFALL RECEPTOR INTERLOCK CHAMP
FD-1	'ZURN' ZAH-21-B	FLOOR	
PD-1	'ZURN' Z-351	PLANTER	
DD-1	'ZURN' ZAH-41-B	DECK	
VB-1	'ZURN' ZN-1505-10	VACUUM	VACUUM BREAKER, KEY

GRILLE & DIFFUSER SCHEDULE: BASED ON 'B.H. PRICE'		
TYPE	PRODUCT	DESCRIPTION
A	DIFFUSER	SDA/1/M/24/24/B13
B	GRILLE	6/22/5/3/0/0/B13
C	LOUVER	BRN BRK & BLK VENT
D	LOUVER	'AIRCLITE' K-600
E	GRILLE	C/10/V/0/0/0/B13
F	GRILLE	C/60/0/0/0/0/B13
G	DOOR GRILLE	'AIRCLITE' T-605

COLOR BY ARCHITECT



ACCEPTED
Working Drawings
For *MECHANICAL ONLY*
BY: PCH
DATE: APR 17 1998
Subject to Inspection

RECEIVED
MAR 15 1998
BUILDING & LICENSING DEPT.

HYWEL JONES ARCHITECT
608 STAMPS LANDING VANCOUVER B.C. V5Z 3Z1 604-679-1595

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APR 7 1998
PERMITS & LICENSING DEPT.

proposed apartment building
1272 comox street
atlas west development corporation

NOT ACCEPTABLE
for New Building Application.

TYPICAL FLOOR PLAN
3rd thru 4th
MECHANICAL

SCALE: 1/4" = 1'-0"
DATE: MAR 15, 1998
DRAWN: JPD

VONEDA & ASSOCIATES
300 W. 10TH AVE. VANCOUVER, B.C. V6C 1A1
TEL: 604-681-1111

M-4 of 9

EQUIPMENT SCHEDULES							
EXHAUST FANS: BASED ON 'GREENHECK' UNLESS NOTED OTHERWISE							
NO.	MODEL	SERVICE	CFM	S.P.	H.P.	R.M.	E.E.C.
EF-1	SPN-24	LOWER PARKING	3350	0.25"	1/2	755	120/1/60
-2	SPN-24	UPPER PARKING	3350	0.25"	1/2	755	120/1/60
-3	SPN-24	ELECTRICAL RM.	4650	0.25"	1/2	850	120/1/60
-4	SPN-13-24-B	EVEN MOUNTING RM.	2375	0.125"	1/6	1140	120/1/60
-5	DEWH-610	SAFETY EXHAUST	320	0.6"	1/4		120/1/60
-6	BRAM-676	MEN'S WASHROOM	110	0.125"	1/3		120/1/60
-7	BRAM-676	WOMEN'S WASHROOM	110	0.125"	1/3		120/1/60
-8	BRAM-675	TOP BATHROOM	75	0.125"	1/2		120/1/60
-9	BRAM-676	TOP KITCHEN	200	0.125"	1/4		120/1/60

ACCESSORIES:
EF-1, 2 & 3: WALL HANGING GUARD, WALL MOUNT HANGING, DAMPER & DAMPER GUARD

MAKE-UP AIR UNIT: BASED ON 'L.C.E. (WATER CITY ENERGY)							
NO.	MODEL	HEAT.	CFM	S.P.	H.P.	R.M.	E.E.C.
MAU-1	UTB-11-200	200,000	2,575	1.0	1.0	850	200/1/60

ACCESSORIES:
MOUNTING STARTERS, FUSES, CONTROLS, VOLTAGE CHANGERS ON INTAKE MUST MOUNT UNIT ON PIPE STAND

SUPPLY FAN: BASED ON 'GREENHECK'							
NO.	MODEL	SERVICE	CFM	S.P.	H.P.	R.M.	E.E.C.
SF-1	SPN-25	200,000	2,575	1.0	1.0	850	200/1/60

ACCESSORIES:
HEATING COILS HL-344, HEAT-ONLY T'STATS

VENTILATION FANS: BASED ON 'DEWH'							
NO.	MODEL	SERVICE	CFM	S.P.	H.P.	R.M.	E.E.C.
VF-1	207 BLOWER		365	0.5"	1/4	1075	200/1/60
-2	207 BLOWER		400	0.5"	1/4	1040	200/1/60

ACCESSORIES:
VF-1: HEATING COIL HL-1, HEAT-ONLY T'STAT
VF-2: "

HEATING COILS: BASED ON 'CHROMALOX'							
NO.	MODEL	HEAT.	CFM	S.P.	H.P.	R.M.	E.E.C.
HC-1	DHF/2/12x6/5	30 KW	565				200/1/60
-2	DHF/2/12x6/5	30 KW	400				200/1/60
-3	DHF/2/12x6/5	30 KW	75				200/1/60

ACCESSORIES:
HC-1: HEATING COIL HL-1, HEAT-ONLY T'STAT
HC-2: "

PUMPS:							
NO.	MODEL	SERVICE	CFM	S.P.	H.P.	R.M.	E.E.C.
P-1	MYERS' WHITE		60	15	1/2		200/1/60
-2	"		60	15	"		200/1/60
-3	MYERS' 3-403-10		500		20	2600	200/1/60
-4	BY SPRINGER/STANLEY CONTRACTOR		10	115	1/3		120/1/60
-5	MYERS' VPS-20-42		10	7			120/1/60

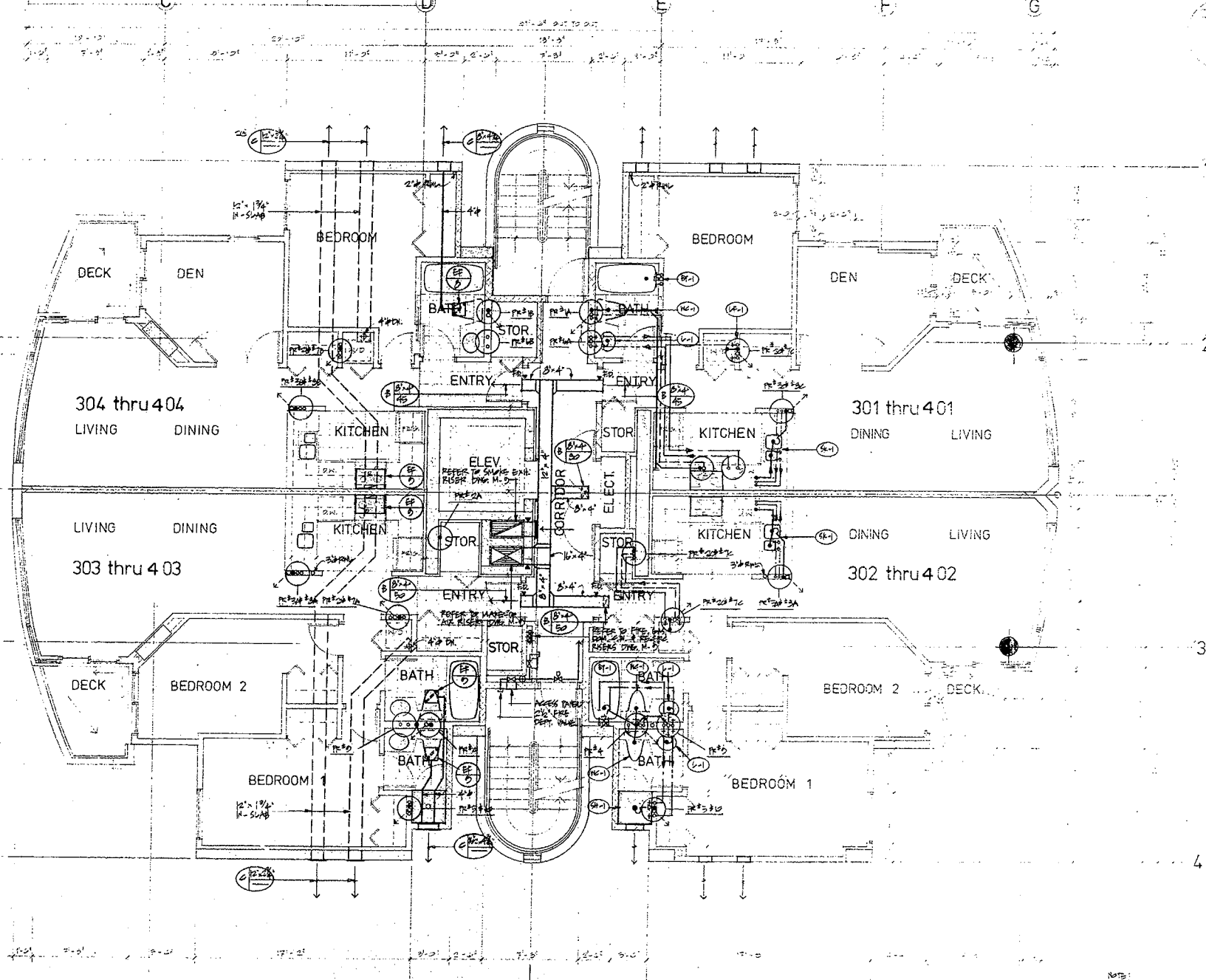
ACCESSORIES:
P-1, 2 & 3: FREE FLOW, PRAN, AUTO CONTROLS

WATER HEATERS: BASED ON 'A.O. SMITH'							
NO.	MODEL	GAS INPT	STORAGE	RECOVERY @ 100°F RISE			
WH-1	BT-210	270,000 BTU/H	57 GAL	262 G.P.H.			
-2	"						

ACCESSORIES:
WH-1: FREE FLOW, PRAN, AUTO CONTROLS

PLUMBING FIXTURE SCHEDULE: BASED ON 'AMERICAN STANDARD', 'FIAT' & 'ZURN'			
TYPE	NOTE	ITEM	ACCESSORIES
WC-1	AF-2120 'CADET-2' WATERCLOSET		VALVITE '30 SEAT - WHITE TECH 471212 SUPPLIES
WC-2	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-3	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-4	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-5	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-6	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-7	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-8	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-9	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-10	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-11	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-12	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-13	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-14	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-15	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-16	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-17	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-18	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-19	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-20	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-21	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-22	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-23	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-24	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-25	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-26	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-27	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-28	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-29	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-30	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-31	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-32	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-33	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-34	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-35	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-36	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-37	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-38	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-39	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-40	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-41	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-42	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-43	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-44	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-45	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-46	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-47	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-48	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-49	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-50	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-51	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-52	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-53	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-54	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-55	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-56	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-57	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-58	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
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WC-60	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-61	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-62	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-63	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-64	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-65	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
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WC-67	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-68	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-69	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-70	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-71	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-72	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-73	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-74	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-75	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-76	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-77	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-78	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-79	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-80	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-81	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-82	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-83	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
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WC-85	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-86	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-87	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-88	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-89	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-90	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-91	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-92	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-93	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-94	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-95	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-96	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-97	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-98	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-99	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP
WC-100	AF-2120 'CADET-2' WATERCLOSET		TECH 471212 SUPPLIES TECH 331311 P-TRAP

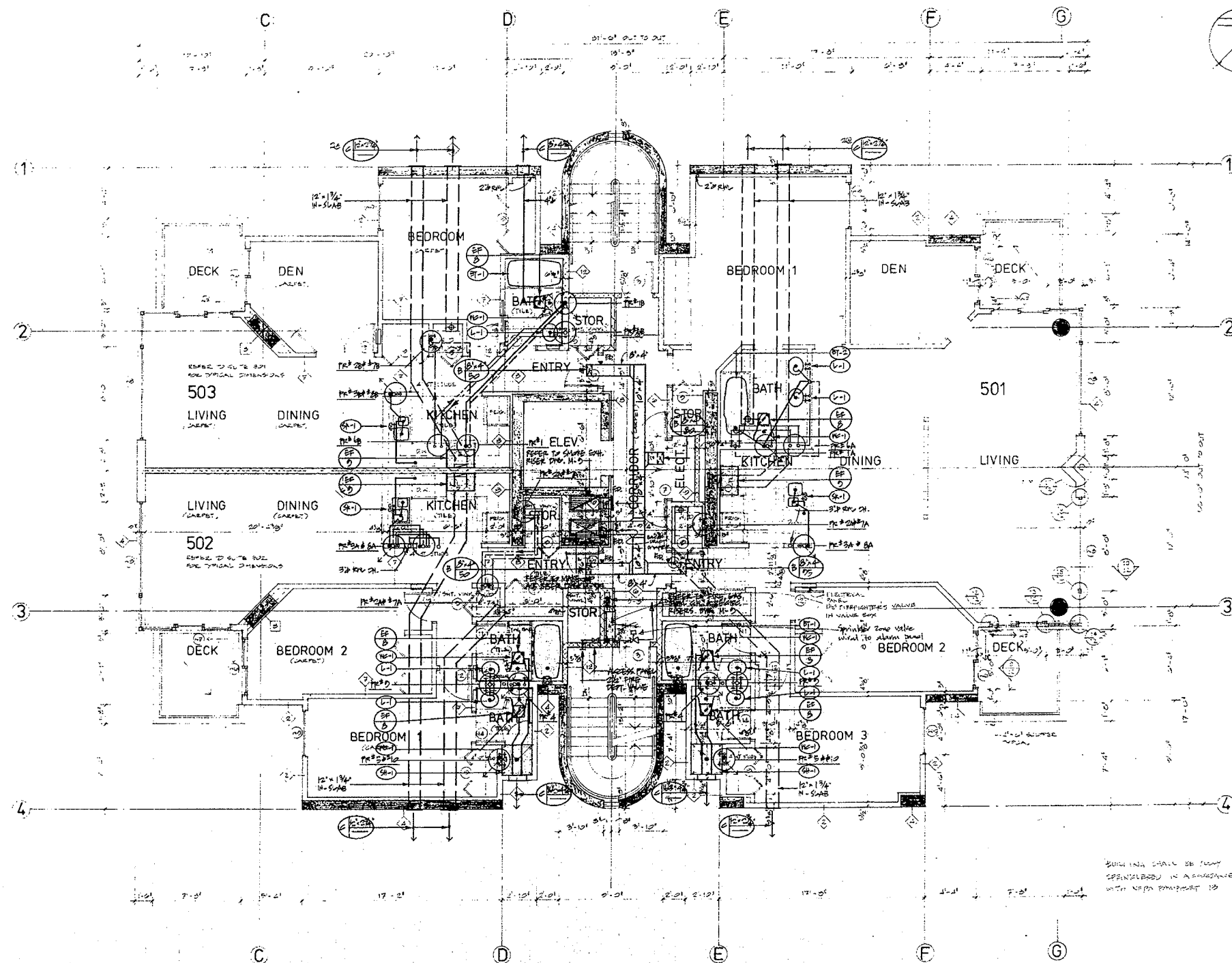
GRILLE & DIFFUSER SCHEDULE: BASED ON 'E.B. PRICE'			
TYPE	PRODUCT	DESCRIPTION	ACCESSORIES
A	DIFFUSER	SOFA/1/M/24/B13	100-6 COMBINATION EQUILIBRIUM GRID & DAMPER
B	GRILLE	0/22/5/3/0/0/B13	ATTACHED BLADE DAMPER
C	LOUVER	REV. BLADE & BLADE VENT	INSECT SCREEN MILU FINISH
D	LOUVER	'AIRONITE' K-600	INSECT SCREEN MILU FINISH
E	GRILLS	C/70/V/0/0/0/B13	
F	GRILLS	C/80/0/3/0/0/B13	
G	DOR GRILLS	'AIRONITE' T-605	COLOR BY MECHANICAL



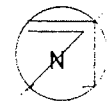
HYWEL JONES ARCHITECT

808 STAMPS LANDING - VANCOUVER B.C. V6Z 3T1 601/479-1599

REVISIONS: 1. 10/10/99, 2. 10/10/99, 3. 10/10/99, 4. 10/10/99, 5. 10/10/99, 6. 10/10/99, 7. 10/10/99, 8. 10/10/99, 9. 10/10/99, 10. 10/10/99, 11. 10/10/99, 12. 10/10/99, 13. 10/10/99, 14. 10/10/99, 15. 10/10/99, 16. 10/10/99, 17. 10/10/99, 18. 10/10/99, 19. 10/10/99, 20. 10/10/99, 21. 10/10/99, 22. 10/10/99, 23. 10/10/99, 24. 10/10/99, 25. 10/10/99, 26. 10/10/99, 27. 10/10/99, 28. 10/10/99, 29. 10/10/99, 30. 10/10/99, 31. 10/10/99, 32. 10/10/99, 33. 10/10/99, 34. 10/10/99, 35. 10/10/99, 36. 10/10/99, 37. 10/10/99, 38. 10/10/99, 39. 10/10/99, 40. 10/10/99, 41. 10/10/99, 42. 10/10/99, 43. 10/10/99, 44. 10/10/99, 45. 10/10/99, 46. 10/10/99, 47. 10/10/99, 48. 10/10/99, 49. 10/10/99, 50. 10/10/99, 51. 10/10/99, 52. 10/10/99, 53. 10/10/99, 54. 10/10/99, 55. 10/10/99, 56. 10/10/99, 57. 10/10/99, 58. 10/10/99, 59. 10/10/99, 60. 10/10/99, 61.



NOTES:
 - FOR ALL TYPES REFER TO SCHEDULE TWO AND
 - FOR ALL TYPES REFER TO SCHEDULE TWO AND
 - FOR ALL TYPES REFER TO SCHEDULE TWO AND
 - ALL DUCTS TO HAVE MECHANICAL VENTILATION
 - TO MEET THE REQUIREMENTS OF SUBSECTION 2.2.2.2
 - OF THE B.C. BUILDING ACT.



ACCEPTED

Working Drawings
 For: *Alumina House*
 By: PKH
 Date: APR 17 1990
 Subject to Inspection.

YONEDA & ASSOCIATES
 305 H.R. - 80141

REVISION	DATE	BY	FOR
1	APR 17 1990	PKH	FOR BUILDING PERMIT
2			
3			

proposed apartment building
 1272 comox street
 atlas west development corporation
 1272 comox street
 atlas west development corporation

5th FLOOR PLAN
 MECHANICAL

SCALE: 1/4" = 1'-0"
 DATE: MAR 12, 1990
 DRAWN: SP

M-5 of 9

HYWEL JONES ARCHITECT

608 STAMPS LANDING - VANCOUVER B.C. V6Z 3Z1 604/879-1599

NOT ACCEPTABLE
 for New Building Application.
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608 STAMPS LANDING. VINCULOVER B.C. V57 321-604/R79-1599	RECEIVED SEP 17 1952 POSTAL RECEIVED DESK
△ FILE 10/30	RECEIVED IN THE BUREAU. PRESENT
—	ISSUED FOR BUREAU PERMIT
△	APR 12/50
—	GENERAL RESIDUALS
△	REMOVED FRONT & REAR FACADE
△	DATE
△	REVISION

proposed apartment building
1272 comox street vancouver bc
atlantis west development corporation

5th FLOOR PLAN
MECHANICAL

SCALE: $\frac{1}{4}'' = 1'-0''$
DATE: MAR. 12, 1972
DRWN: JD

M-5 of 9

CITY OF VANCOUVER
PERMITS AND LICENSES DEPARTMENT
PLAN REVIEWED AND ACCEPTED
PURSUANT TO THE VANCOUVER
PLUMBING BY-LAW.
(THIS IS PART OF PLUMBING PERMITS #
6P211638)
W. H. H. H. H.
90 09 26

YONEDA ASSOCIATES
20000 KENNEDY AVENUE, SUITE 100, NEWTON, MA 02459
TEL: 617-552-1100 FAX: 617-552-1101

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HYWEL JONES ARCHITECT

608 STAMP'S LANDING VANCOUVER B.C. V5Z 3Z1 604.879.1599

RECEIVED
MAR 13 1993
PERMITS & LICENSES DEPT.

RECEIVED
APR 17 1993
PERMITS & LICENSES DEPT.

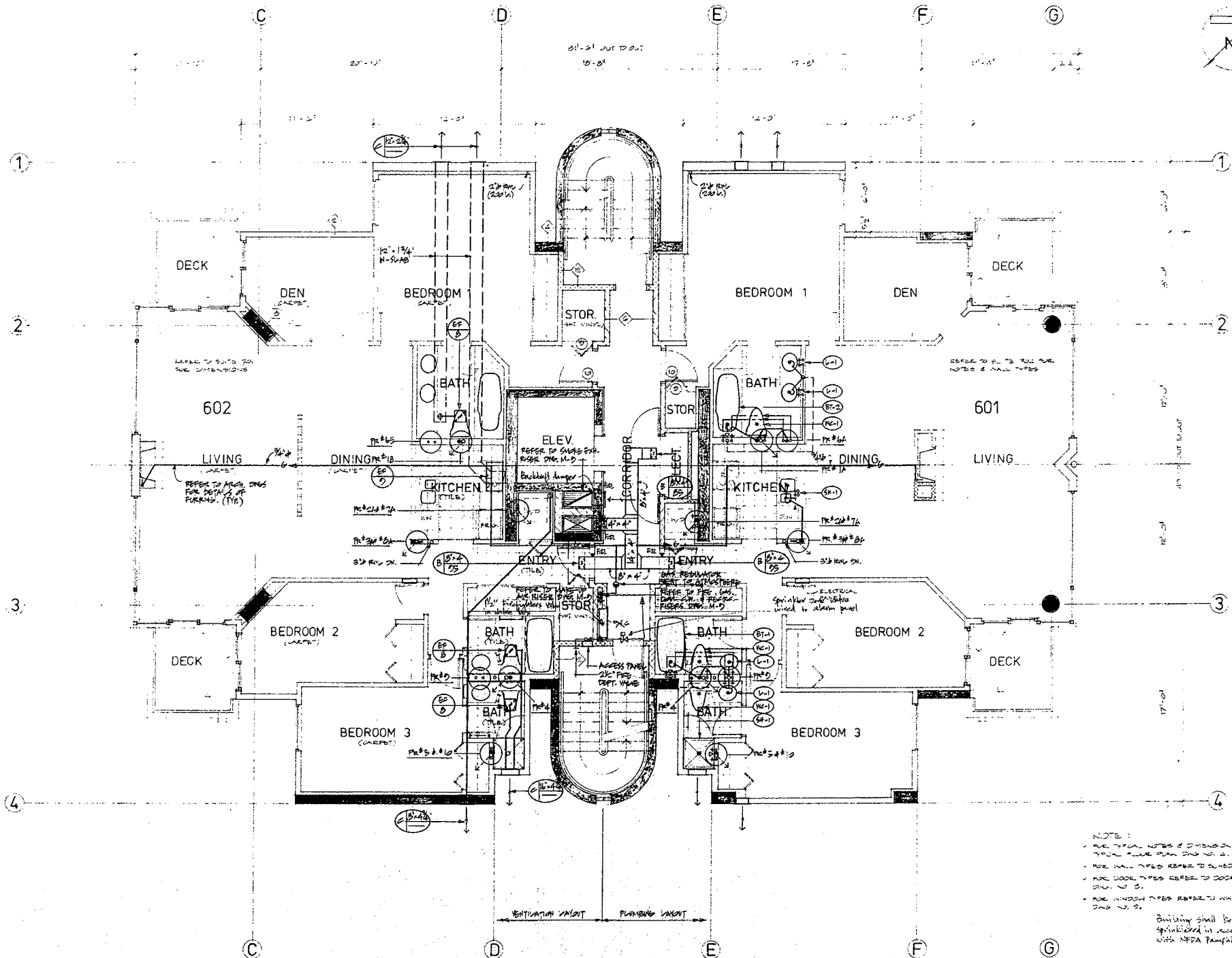
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proposed apartment building
1272 comox street vancover bc
atlas west development corporation

6th FLOOR PLAN
MECHANICAL

SCALE 1/4" = 1'-0"
DATE MAR. 10, 1993
DRWN JD

M-6 of 9



ACCEPTED

Working Drawings
For Measure Only
By: PKH
Date: APR 17 1993
Subject: 1272 Comox Street

- NOTES:
- 1. ALL ROOMS SHALL BE VENTILATED TO THE OUTSIDE.
 - 2. ALL HALLWAYS SHALL BE VENTILATED TO THE OUTSIDE.
 - 3. ALL KITCHENS SHALL BE VENTILATED TO THE OUTSIDE.
 - 4. ALL BATHS SHALL BE VENTILATED TO THE OUTSIDE.
 - 5. ALL BEDROOMS SHALL BE VENTILATED TO THE OUTSIDE.
 - 6. ALL DEN'S SHALL BE VENTILATED TO THE OUTSIDE.
 - 7. ALL DECKS SHALL BE VENTILATED TO THE OUTSIDE.
 - 8. ALL STAIRS SHALL BE VENTILATED TO THE OUTSIDE.
 - 9. ALL ELEVATOR SHAFTS SHALL BE VENTILATED TO THE OUTSIDE.
 - 10. ALL MECHANICAL EQUIPMENT SHALL BE LOCATED OUTSIDE THE BUILDING.
 - 11. ALL MECHANICAL EQUIPMENT SHALL BE ACCESSIBLE FOR MAINTENANCE.
 - 12. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM THE ELEMENTS.
 - 13. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM VANDALISM.
 - 14. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM THEFT.
 - 15. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM FIRE.
 - 16. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM COLLISION.
 - 17. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM OVERHEATING.
 - 18. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM UNDERHEATING.
 - 19. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM MOISTURE.
 - 20. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM DIRT AND DEBRIS.
 - 21. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM PESTS.
 - 22. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM NOISE.
 - 23. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM VIBRATION.
 - 24. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM SHOCK.
 - 25. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM ELECTRICAL INTERFERENCE.
 - 26. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM MAGNETIC INTERFERENCE.
 - 27. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM RADIATION.
 - 28. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM ULTRAVIOLET RADIATION.
 - 29. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM INFRARED RADIATION.
 - 30. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM X-RAYS.
 - 31. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM GAMMA RAYS.
 - 32. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM COSMIC RAYS.
 - 33. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM GRAVITATIONAL WAVES.
 - 34. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM DARK MATTER.
 - 35. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM DARK ENERGY.
 - 36. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM ANTIMATTER.
 - 37. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM SUPERNOVAE.
 - 38. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM BLACK HOLES.
 - 39. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM WHITE HOLES.
 - 40. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM WORMHOLES.
 - 41. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM TIME TRAVEL.
 - 42. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM SPACE TRAVEL.
 - 43. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM INTERDIMENSIONAL TRAVEL.
 - 44. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM MULTIVERSE TRAVEL.
 - 45. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM PARALLEL UNIVERSES.
 - 46. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM ALTERNATE REALITIES.
 - 47. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM DIMENSIONS.
 - 48. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM REALITY.
 - 49. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM EXISTENCE.
 - 50. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM NON-EXISTENCE.
 - 51. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM NOTHING.
 - 52. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM SOMETHING.
 - 53. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM EVERYTHING.
 - 54. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM NOBODY.
 - 55. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM EVERYBODY.
 - 56. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM NO ONE.
 - 57. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM ALL.
 - 58. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM NONE.
 - 59. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM SOME.
 - 60. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM MANY.
 - 61. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM FEW.
 - 62. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM SEVERAL.
 - 63. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM A FEW.
 - 64. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM A FEW MORE.
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 - 97. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM A FEW MORE.
 - 98. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM A FEW MORE.
 - 99. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM A FEW MORE.
 - 100. ALL MECHANICAL EQUIPMENT SHALL BE PROTECTED FROM A FEW MORE.

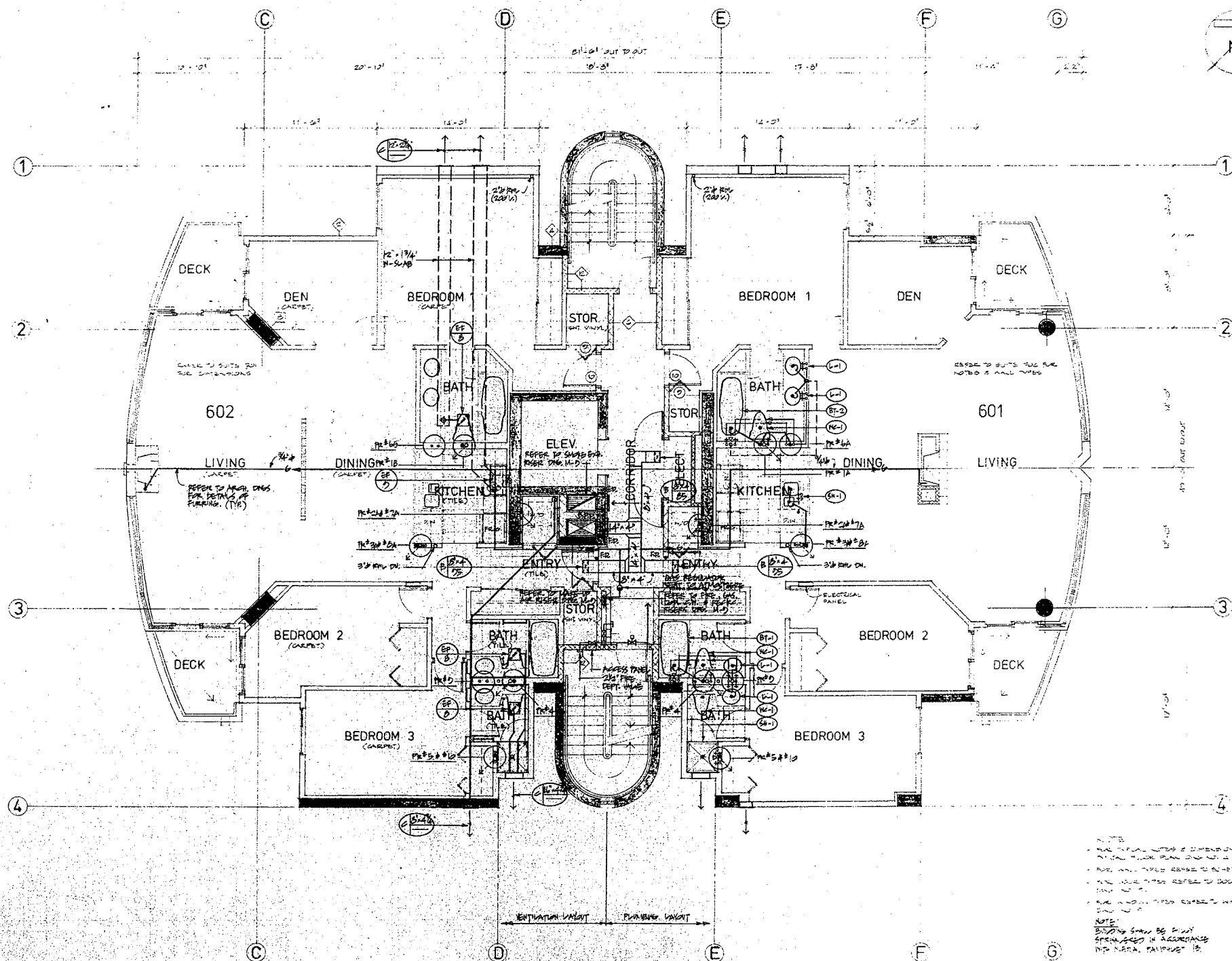
VONEDA & ASSOCIATES
1272 COMOX STREET VANCOUVER BC V5Z 3Z1
TEL: 604.879.1599 FAX: 604.879.1599

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HYWEL JONES ARCHITECT

608 STAMPS	LANDING: VANCOUVER B.C. V5Z 9V1 604/879-1599
FILED BY: HJ	RECEIVED: HJ
DATE: MAR 12/90	ISSUED FOR: B.C. PERMIT
DATE: APR 19/90	DESIGNED BY: HJ
DATE: JUN 4/90	PERMITTED BY: HJ
DATE: JUL 1/90	REVISION: HJ



CITY OF VANCOUVER
PERMITS AND LICENSES DEPARTMENT
PLAN REVIEWED AND ACCEPTED
PURSUANT TO THE VANCOUVER
PLUMBING BY-LAW.
(THIS IS PART OF PLUMBING PERMITS #
021635
0000-5
90.09.26)

NOTE:
- ALL PLUMBING WORK IS TO BE DONE IN ACCORDANCE WITH THE VANCOUVER PLUMBING BY-LAW.
- ALL PLUMBING WORK IS TO BE DONE IN ACCORDANCE WITH THE VANCOUVER PLUMBING BY-LAW.
- ALL PLUMBING WORK IS TO BE DONE IN ACCORDANCE WITH THE VANCOUVER PLUMBING BY-LAW.
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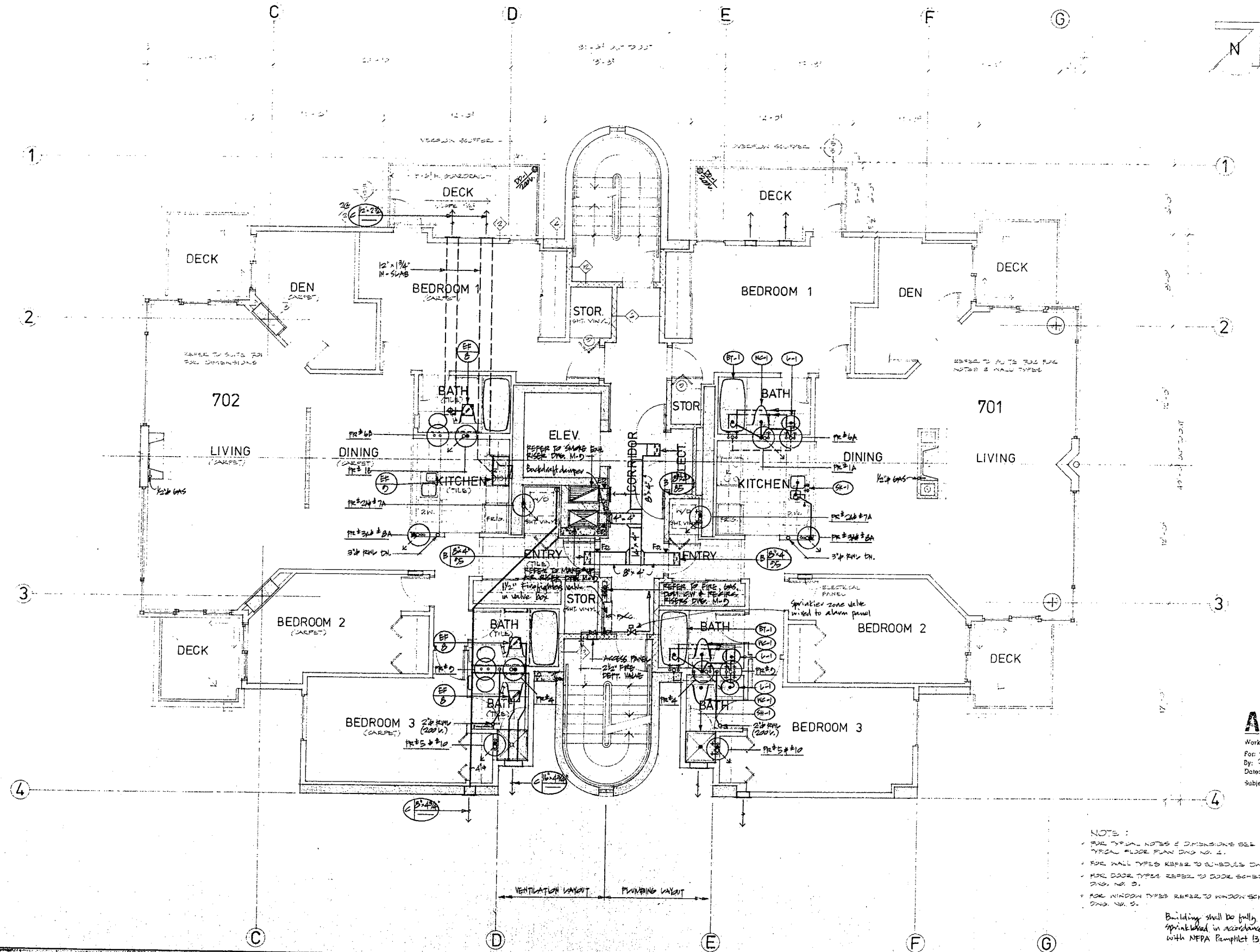
VONEDA
& ASSOCIATES

proposed apartment building
1272 comox street vancover bc
atlas west development corporation

6th FLOOR PLAN
MECHANICAL

SCALE 1/4" = 1'-0"
DATE MAR 12, 1990
DRAWN HJ

M-6 of 9



NOT ACCEPTABLE
for New Building Application.

proposed apartment building
1272 comox street vancouver bc
atlas west development corporation

ACCEPTED

Working Drawings
For: Measure & Conf
By: PKH
Date: APR 17 1990
Subject: Inspection.

- NOTES:
- FOR TYPICAL NOTES & DIMENSIONS SEE TYPICAL FLOOR PLAN DWS NO. 1.
 - FOR WALL TYPES REFER TO SCHEDULE DWS NO. 2.
 - FOR DOOR TYPES REFER TO DOOR SCHEDULE DWS NO. 3.
 - FOR WINDOW TYPES REFER TO WINDOW SCHEDULE DWS NO. 4.

Building shall be fully sprinklered in accordance with NFPA Pamphlet 13.

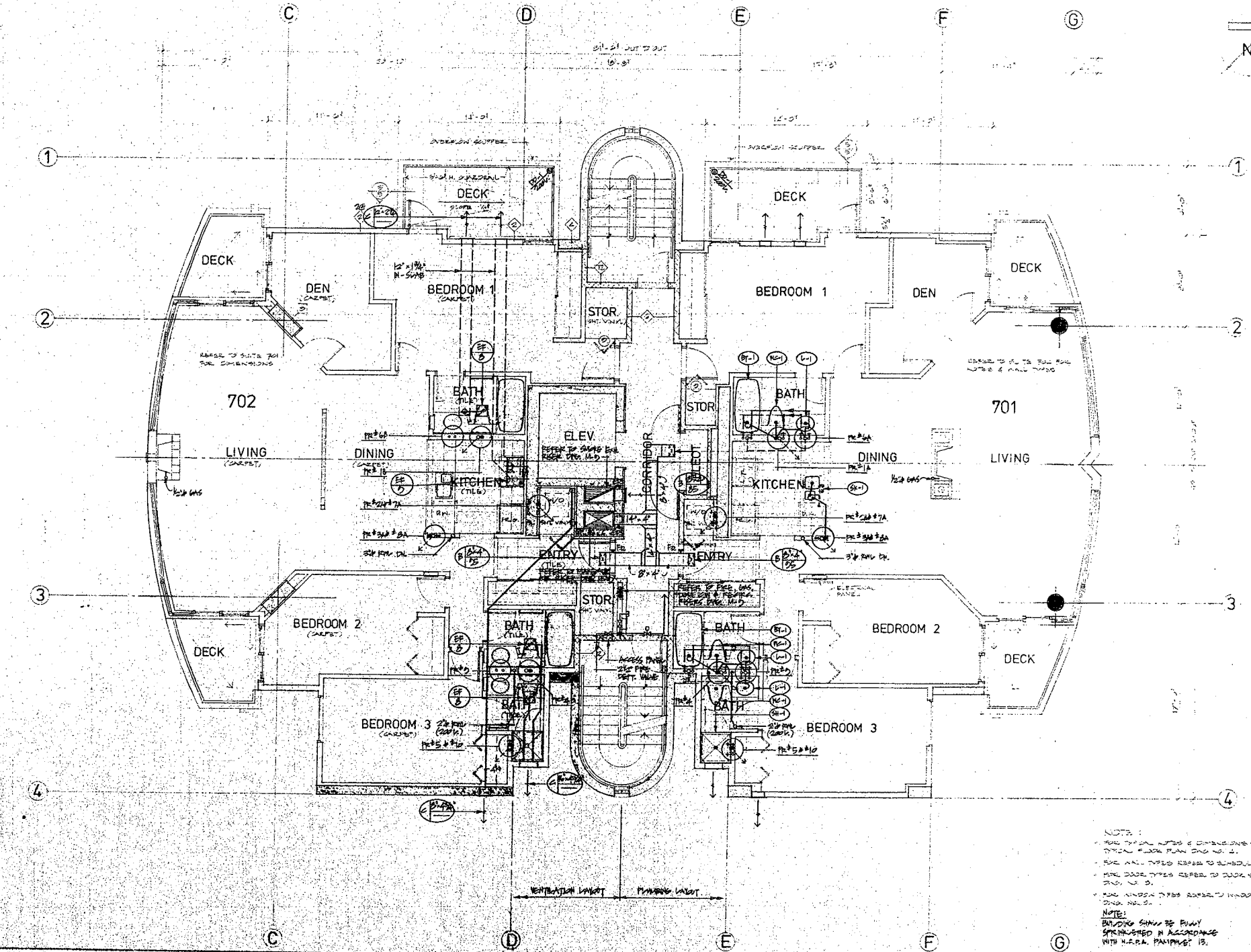
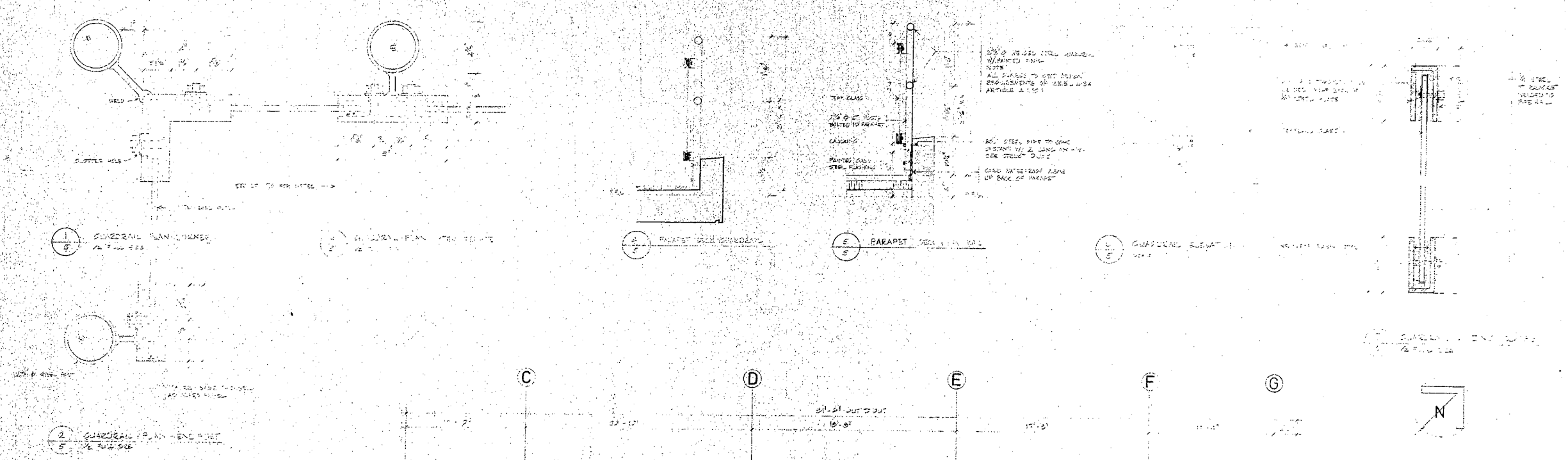
YONEDA & ASSOCIATES
1111 WEST BROADWAY, VANCOUVER, B.C. V6E 1E1
TEL: 681-7331 FAX: 681-1818
JOB NO.: 80141

7th. FLOOR PLAN
MECHANICAL

SCALE: 1/4" = 1'-0"
DATE: MAR. 12, 1990
DRWN: JD

M-7 of 9

608 STAMPS	LANE	DATE
APR 17 1990	1541	68004
APR 17 1990	1541	68004



NOTE:
 * ALL OTHER NOTES & ASSIGNMENTS ARE
 GIVEN *WITHIN* FOUR DAYS *OF* THE
 DUE DATE. *PLEASE* BE RESPONSIBLE. *THIS* IS *A
 HARD* *COURSE* *WITH* *STRESS* *TO* *YOUR* *SCHEDULES*
 AND *HOURS*.
 AND *KNOW* *YOUR* *SCHEDULE* *TO* *KNOW* *SCHEDULE*
 AND *HOURS*.

NOTE:
 BUILDING SCHEDULE BY PUNNY
 SCHEDULED IN ACCORDANCE
 WITH N.E.R. PARAGRAPH 13.

CITY OF VANCOUVER
PERMITS AND LICENSES DEPARTMENT

PLAN REVIEWED AND ACCEPTED
PURSUANT TO THE VANCOUVER
PLUMBING BY-LAW.

(THIS IS PART OF PLUMBING PERMITS
CP21438)

W. J. [Signature]
90.09.26

SCALE: 1/4" = 1'-0"
DATE: MAR. 12, 1993
DRWN: JD

M-7 of 9

HYWEL JONES ARCHITECT

HYWEL JONES ARCHITECT
608 STAMPS LANDING · VANCOUVER, B.C. V5Z 3Z1 · 604/879-1599

RE	RE
PERMITS	

△	PLATE 15, 50	REVISED FOR BUREAU, PERMIT
—	MAR 12/50	ISSUED FOR BUREAU, PERMIT

7th FLOOR PLAN
MECHANICAL

ACCEPTED

proposed apartment building
1272 comox street vancover bc
atlas. west development corporation

for New Building Application

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HYWEL JONES ARCHITECT

508 STAMPS LANDING - VANCOUVER R.C. V57 3/71 6031 070 1000

DATE	DESCRIPTION
JAN 05 1990	ISSUE RECORD
JAN 05 1990	ISSUE RECORD
JAN 05 1990	ISSUE RECORD

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ANY OTHER USE MAY INFRINGE ON THE MORE
ANY OTHER USE MAY INFRINGE ON THE MORE
ANY OTHER USE MAY INFRINGE ON THE MORE

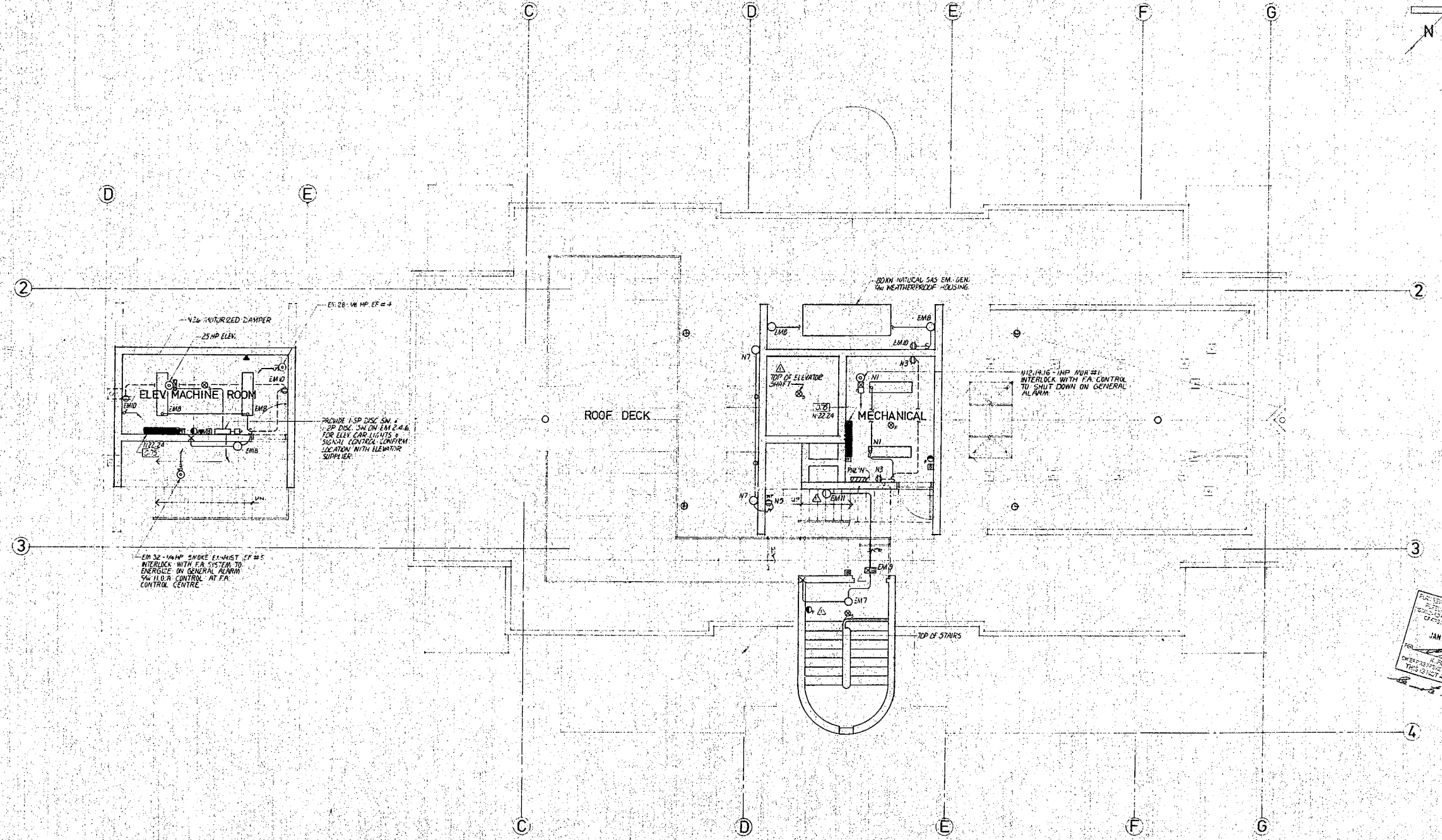
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ROOF/PENTHOUSE PLAN

DRWN AS
CHKD AN
SCALE 1/4" = 1' - 0"
DATE

E7
OF 8



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SUMMARY

HYWEL JONES ARCHITECT

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atlas west development corporation

ONE-LINE & RISER DIAGRAMS, SYMBOL
SCHEDULE & NOTES

DRWN: AS
CHK'D: AN
SCALE: 1"=10'-0"
DATE: 1/5/90

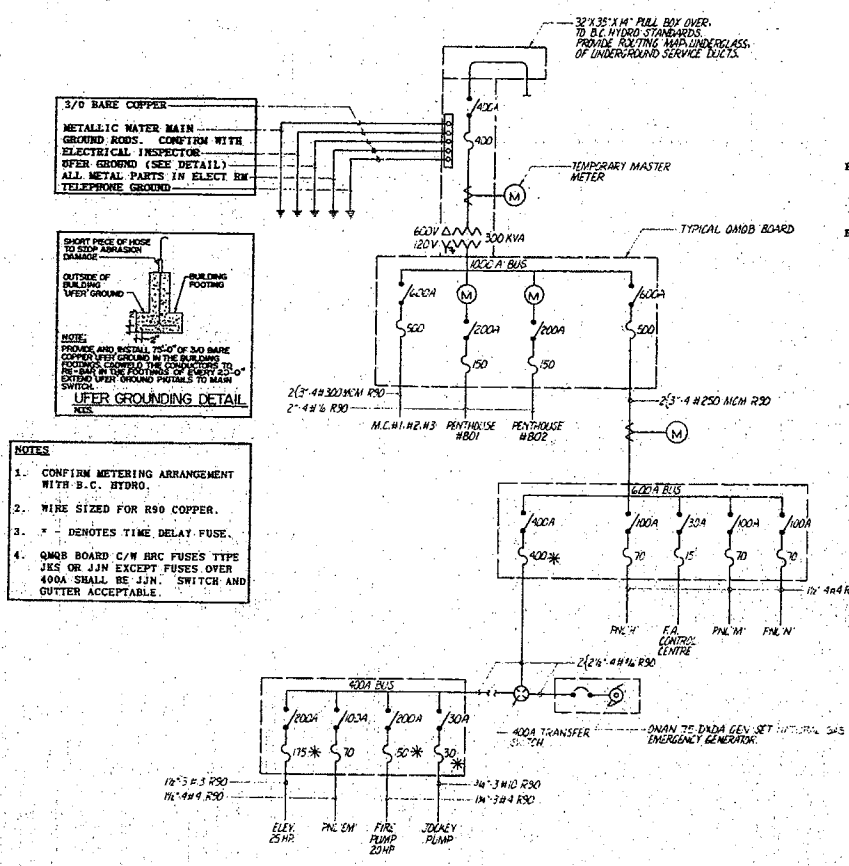
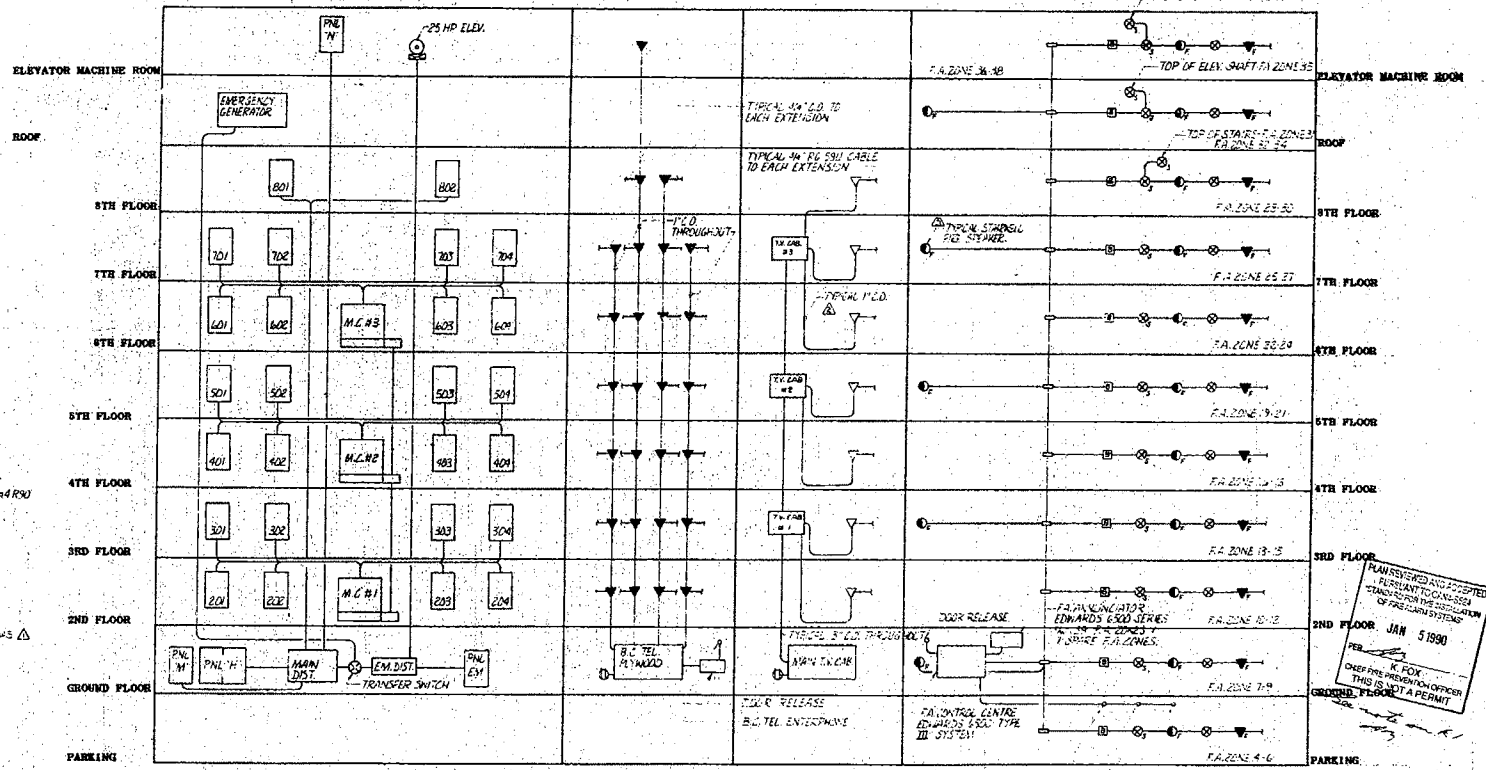
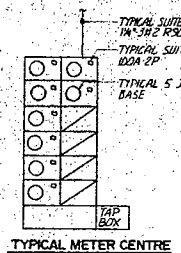
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JAN 05 1990
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ANNOUCEMENT
& ASSOCIATES LTD.
1100 BURNHAMTHORPE AVE. W.
VANCOUVER, B.C. V6C 1A6
TEL: 681-1111

NO.	DESCRIPTION	QTY	UNIT	REMARKS
1	3/0 BARE COPPER	100	FT	
2	2" X 1/2" X 1/2" RIGID PVC	100	FT	
3	1/2" X 1/2" X 1/2" RIGID PVC	100	FT	
4	1/4" X 1/2" X 1/2" RIGID PVC	100	FT	
5	1/8" X 1/2" X 1/2" RIGID PVC	100	FT	
6	1/4" X 1/2" X 1/2" RIGID PVC	100	FT	
7	1/8" X 1/2" X 1/2" RIGID PVC	100	FT	
8	1/4" X 1/2" X 1/2" RIGID PVC	100	FT	
9	1/8" X 1/2" X 1/2" RIGID PVC	100	FT	
10	1/4" X 1/2" X 1/2" RIGID PVC	100	FT	
11	1/8" X 1/2" X 1/2" RIGID PVC	100	FT	
12	1/4" X 1/2" X 1/2" RIGID PVC	100	FT	
13	1/8" X 1/2" X 1/2" RIGID PVC	100	FT	
14	1/4" X 1/2" X 1/2" RIGID PVC	100	FT	
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98	1/4" X 1/2" X 1/2" RIGID PVC	100	FT	
99	1/8" X 1/2" X 1/2" RIGID PVC	100	FT	
100	1/4" X 1/2" X 1/2" RIGID PVC	100	FT	

NOTES:
1. ALL WIRE OCCUPANCY RATES SHALL BE USED UNLESS OTHERWISE NOTED.
2. ALL CONDUITS SHALL BE 1/2" UNLESS OTHERWISE NOTED.
3. ALL CABLE CONDUITS SHALL BE 1/2" UNLESS OTHERWISE NOTED.
4. ALL CABLE CONDUITS SHALL BE 1/2" UNLESS OTHERWISE NOTED.
5. ALL CABLE CONDUITS SHALL BE 1/2" UNLESS OTHERWISE NOTED.
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9. ALL CABLE CONDUITS SHALL BE 1/2" UNLESS OTHERWISE NOTED.
10. ALL CABLE CONDUITS SHALL BE 1/2" UNLESS OTHERWISE NOTED.

- NOTES: SEE ELEV. PLANS
1. WIRE TO REMAINER'S SPECIFICATIONS.
 2. ALL CONDUITS TO BE RIGID AND C/W FIVE WIRE.
 3. ELECTRICAL CONDUIT TO BE RIGID AND C/W FIVE WIRE.
 4. FOR EXACT NUMBER OF OUTLETS SEE FLOOR PLANS.

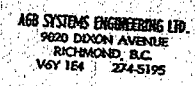


- NOTES:
1. CONFIRM METERING ARRANGEMENT WITH B.C. HYDRO.
 2. WIRE SIZED FOR R90 COPPER.
 3. * DENOTES TIME DELAY FUSE.
 4. QMBR BOARD C/W RRC FUSES TYPE JBS OR JJM EXCEPT FUSES OVER 400A SHALL BE JJM. SWITCH AND OUTLET ACCEPTABLE.

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ONE-LINE DIAGRAM

RISER DIAGRAM



WORKING DWGS. (6 of 8) page 7
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FORMING PART OF: BP21163
BY: PKH
DATE: MAY 10 1988

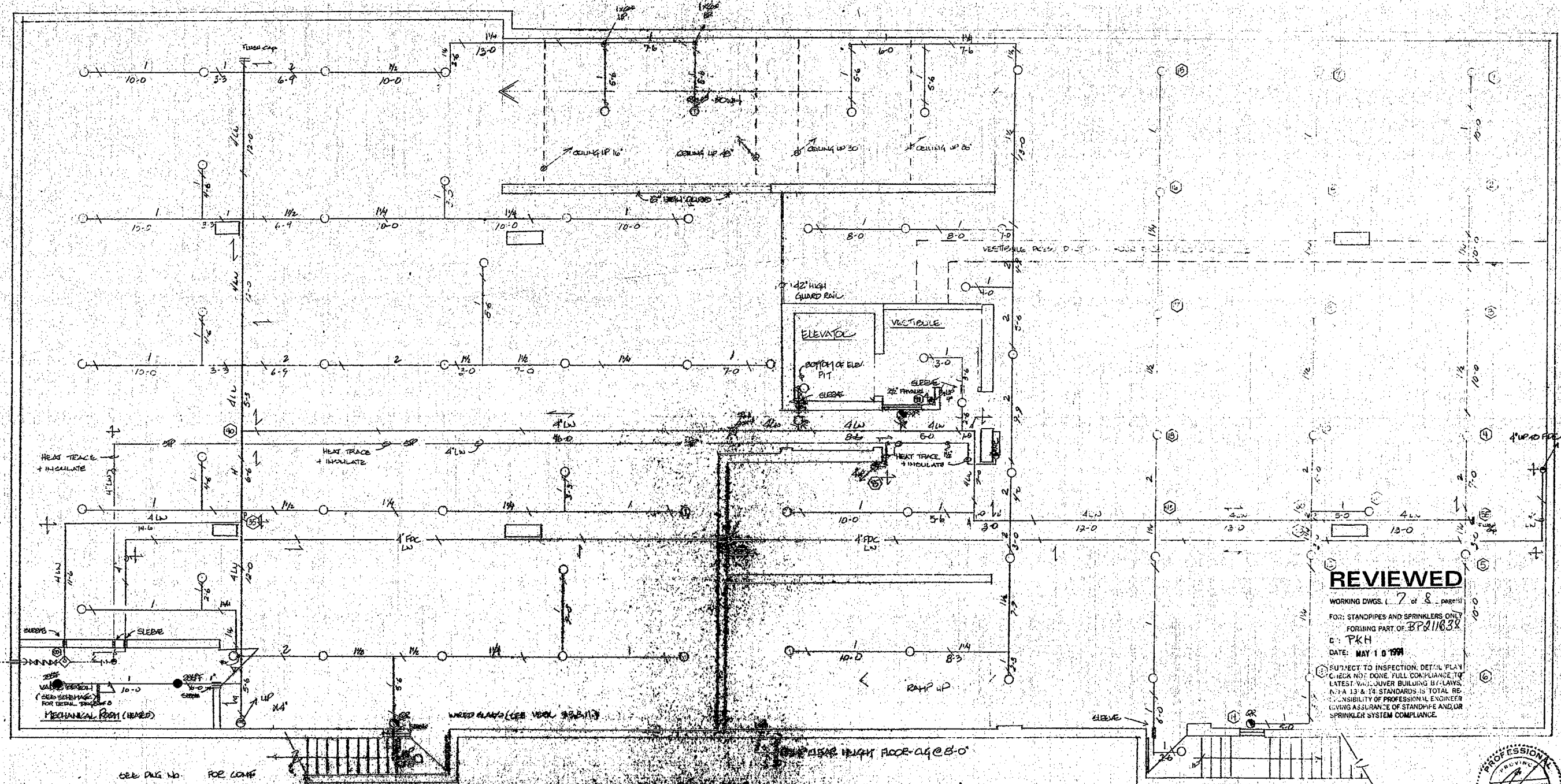
CIR MECHANICAL LTD		444 4304	
PROJECT: 1022 CONOM of VANCOUVER			
DATE: 10-1-80	PROJECT NO:	BY:	CHKD:
1000-9			
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FORMING PART OF: BP 11638
C: PKH
DATE: MAY 10 1991
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CHECK NOT DONE, FULL COMPLIANCE TO
LATEST VANCOUVER BUILDING BY-LAWS,
N/A 13 & 14 STANDARDS IS TOTAL RE-
SPONSIBILITY OF PROFESSIONAL ENGINEER
GIVING ASSURANCE OF STANDPIPE AND/OR
SPRINKLER SYSTEM COMPLIANCE.

PROFESSIONAL
ENGINEERING
BRIAN BAILEY
ENGINEER
A/S SYSTEMS ENGINEERING LTD.
9020 DIXON AVENUE
RICHMOND, B.C.
V6V 1K4 294-5925
MAY 3 1991

CIR MECHANICAL LTD	444334
DESIGNED BY	
CHECKED BY	
DATE	