

ROOF TOP HEATING/COOLING UNITS											
MARK	MODEL	CFM	ESP	HTG INPUT	TOT CLG	SENS CLG	COMP	CON FAN	BLOWER	WEIGHT	
				(MBH)	(MBH)	(MBH)					
A/C-1	208/3/60	3000	0.35	200	200	200	200	135	65	16.0	3400
A/C-2	208/3/60	3000	0.35	150	150	150	150	135	65	13.0	2100

NOTES:

1. UNITS TO BE GAS-FIRED HEATING, DX COOLING, PREPACKAGED AIR CONDITIONING UNITS BY ENGINEERED AIR.
2. UNITS TO BE SUITABLE FOR 208/3/60 POWER.

WATER COOLED A/C UNITS											
MARK	SERVICE	MODEL	CFM	SP	COOLING (MBH)	TOTAL	SENS	US GPM	HP	POWER SUPPLY	
A/C-3	LOOPY	SPW5030L	3000	0.375	62.4	47.8		7.1		208/3/60	

NOTES:

1. A/C UNIT TO BE BY CLIMATE MASTER.
2. A/C UNIT SELECTED AT 90°F DB COND. TEMP. 64°F WB ENT. EXHAIR. 64°F ENT. WATER TEMP.

GRILLES, REGISTERS & DIFFUSERS					
MARK	USE	TYPE	DAMPER	FINISH	SIZE
SD-1	SUPPLY	TF-C	NO TYPE DIFFUSER	NO WHITE	NOTED
SR-1	SUPPLY	CL2750-A	AC-35	B-15	NOTED
FR-1	RETURN	CL5000-A	-	B-15	NOTED
SR-2	SUPPLY	CL2750-A	AC-35	B-15	NOTED
TR-1	TRANSFER	CL5000-A	-	B-15	NOTED
DOOR	DOOR	TR100-A	-	B-15	12'x8'
SD-2	SUPPLY	CL2750-A	AC-35	B-15	NOTED
DOOR	DOOR	TR100-A	-	B-15	12'x8'

1. GRILLES, REGISTERS & SD-2 ARE TO BE BY TITUS' MANF. CORP.
2. DIFFUSER SD-1 TO BE THERMA-FUSION I BY AULTECH INC.
3. B-15 DENOTES ALUMINUM FINISH.
4. SD-1 & SD-2 ARE TO BE 1/2" W/4" H/4" MOUNTING FRAME SUITABLE FOR USE IN METAL LINEAR CEILING.

ROOF TOP HEATING & VENTILATING UNITS											
MARK	MODEL	CFM	ESP	FAN HP	SA	RPM	HTG. INPUT	FILTERS	WEIGHT		
HN-1	5150-CHFF	3000	0.35	2	1	1145	150	2020'x20'	645		

NOTES:

1. UNIT TO BE GAS-FIRED, PREPACKAGED HEATING & VENTILATING UNIT BY ENGINEERED AIR.
2. UNIT TO BE 1/2" W/4" H/4" RETURN AIR FAN & MIXING EXH. SECTION FAN FAN. 3000 CFM @ 0.35 ESP. 1 HP, 4.2 A, 645 RPM.
3. UNIT TO BE SUITABLE FOR 208/3/60 POWER & 1/2" W/4" H/4" MAGNETIC CONTACTS.

NOTES:

1. EXISTING HEATING & VENTILATING UNIT TO BE REMOVED. UNIT TO BE REPLACED WITH HEATING & COOLING UNIT AS SCHEDULED.
2. EXISTING HEATING & VENTILATING UNIT TO REMAIN. UNIT FAN PERFORMANCE TO BE CHANGED FROM 2100 CFM @ 0.35 ESP. 3/4 HP TO 3000 CFM @ 0.35 ESP. 1 1/2 HP. CHANGE MOTOR & DRIVE TO SUIT.
3. ALTERNATE PRICE C. REPLACE EXISTING HEATING & VENTILATING UNIT WITH HN-1 AS SCHEDULED. NOTE 4 RE GAS CONNECTION ALSO APPLIES.
4. EXISTING GAS SHUT OFF VALVE TO BE REMOVED. EXTEND GAS PIPING ON ROOF AS INDICATED. BUDGET SHUT OFF VALVE TO BE CLOSED DURING PIPING REVISIONS. CONTRACTOR TO BE RESPONSIBLE FOR RE-LIGHTING ALL EXISTING GAS-FIRED EQUIPMENT AFTER INTERRUPTION OF SERVICE.

PLUMBING NOTES (CONT FROM DRAWING M.1)

1. REMOVE EXISTING 8" VIT. COMBINED SEWER TO AVOID ELEVATOR FOUNDATIONS.
2. REMOVE EXISTING 2" OIL VENT.
3. CONNECT 2" x 3" R/W TO EXISTING UNDERGROUND STORM DRAIN.
4. PROVIDE 2" CONNECTION TO EXISTING 4" UNDERGROUND WATER LINE. RISE IN BUILDING WITH 2" SHUT OFF VALVE IN STORAGE ROOM 114. PROVIDE 2" x 2" W/4" LINE AT INTERIOR. R/W EXHAUST & DRAIN DOWN INTO BOILER ROOM WHERE INDICATED. RECONNECT TO EXISTING FRY STATION. REMOVE PORTION OF UNLINED 4" LINE UNDER BUILDING.
5. PROVIDE 3/4" COUPLER TO STEEL DRAIN CONNECTIONS TO EXISTING FIVE WEEP ELAB. TYPICAL OF 4.
6. PROVIDE CONNECTION TO EXISTING SUBSOIL DRAINS & ROUTE AROUND ELEVATOR FOOTINGS.

RENOVATION TO KERRISDALE COMMUNITY CENTRE

VANCOUVER, B.C.

REV. DATE BY DESCRIPTION

"AS-BUILT" DRAWING

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CITY OF VANCOUVER
BOARD OF PARKS AND RECREATION

J. M. BEAN & CO. LTD.

CONSULTING ENGINEERS

1955 WEST 41st AVENUE
VANCOUVER 9, B.C.
738-6724FILE 8420.2
DATE 85.05.27

NO.	REVISIONS	DATE
2	AS BUILT	85.07
1	ADDED DRAIN M.2	85.07

Howard Yano Architects

761 Cardero Street
Vancouver, B.C. V6G 2G3

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ROOF PLAN SECTIONS

ALL DIMENSIONS SHALL BE VERIFIED ON JOB

SCALE	NOTED	M.3 OF 3
DATE	85.05.27	SHEET NUMBER
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MARK	LOCATION	TYPE	GPM	PD
N-1	OFFICE 102	SWB VALVE 10	2.3	MAX PD
N-2	LUNGE	2 POSITION VALVE 2	2.7	PS: 1
N-3	LUNGE OFFICE	STRAIGHT OR ANGLED	3.0	"
N-4	CANNAMER'S	11/2 HONEYWELL 3V	1.7	"
N-5	"	BODY - N9045	1.0	"
N-6	WERTING ROOM	ADAPTOR-V2045	1.8	"
N-7	"	"	2.5	"
N-8	"	"	1.4	"
N-9	"	"	1.4	"
N-10	LOCKERY (OFFICE FLOW)	"	1.2	"
N-11	LOCKRY (WALL FLOW)	"	1.2	"

ALTERNATE PRICE B

ALTERNATE PRICE

20
c/w

P.
ER

- 1 REMOVE EXISTING JANITOR'S SINK. CAP OFF PIPING. SEE NOTE 7
- 2 REMOVE EXISTING SHOWER HEAD. CAP OFF PIPING
- 3 RELOCATE EXISTING SHOWER HEAD
- 4 EXISTING FLOOR DRAIN TO BE REMOVED. PROVIDE FLOOR DRAIN CENTERED BETWEEN 2" x 4" SHOWER ROOM AND 2" x 4" PARTITION. CONDUIT TO EXISTING SANITARY DRAIN.
- 5 PROVIDE 1" WATER & 3" DRAIN LINE TO A/C-3. REFER TO DRAWING M-2 FOR PIPELINE DETAILS
- 6 PROVIDE 2" ØD. 3' RUN 2-1/2" SBC. 4' S/E EXTENSION. CONDUIT ROOF DRAIN TO 2" BURN & RUN DRAIN. TIGHT TO WALL IN UTILITY ROOM. RUN UPWARD DRAIN IN CRAWLSPACE. PIPING DOWN AT LOCATION WHERE DRAIN CONDUIT TO EXISTING ROOF DRAIN AT LOCATION INDICATED
- 7 JANITOR'S SINK RELOCATED. SEE NOTE 11 PROVIDE 2" DRAIN TO RELOCATED. 6" COMMUNAL SINK. PROVIDE 1 1/2" VENT THRU ROOF TO 1" AIR CURTAIN. 1" DOWN DRAIN TO 2" DRAIN
- 8 CONFIRM EXISTING WATER ELEVATIONS PRIOR TO INSTALLING DRAIN LINE CONNECTIONS

30. 267650-2
267650-1

← ALTERNATE PRKE A →

MOUNT FAN @ E OF TOP WINDOW PANEL 12" BELOW CEILING TYPICAL FOR NOTE


 DENOTES EXISTING CONTROL VALVE & STAT. TO BE REPLACED


 DENOTES SELF-ENERGIZING CONTROL VALVE WITH REMOTE CONTROL. USE WITH POSITION SENSITIVE. USED TO DRAWING. MFG FOR CONTROL VALVE.

	WD	10-6	11-8	WDH	WD	CABINET
A	"	9-6	10-1	"	"	"
B	"	9-6	10-1	"	"	"
C	"	9-6	6-2	"	"	"
D	"	9-6	7-7	"	"	"
E	"	4-0	4-5	"	"	"
F	"	7-6	9-9	"	"	"
G	"	6-6	9-6	"	"	"
H	"	9-6	9-9	"	"	"
I	"	6-6	9-9	"	"	"
J	WD	8-6	8-1	"	"	"
K	"	7-6	14-2	"	"	No CABINET
L	"	7-6	15-2	"	"	"

SUFFIX DENOTES ZONE #

SUFFIX DENOTES NO CONTROL VALV

C1	DR. MS	60" x 20"	10.9 MBH
C2	FC. MS	54" x 20"	7.7 MBH
C3	FC. MS	60" x 20"	9.3 MBH

- ④ REMOVE EXISTING RADIATION. CAP OFF SUPPLY & RETURN PIPING BELOW FLOOR LEVEL.
- ④ REMOVE EXISTING RADIATION PROVIDE RADIATION AS NOTED CONNECT TO EXISTING SUPPLY & RETURN PIPING.
- ④ REMOVE EXISTING THERMOSTATS & CONTROL VALVES. MAKE GOOD EXISTING PIPING.
- ④ REMOVE WINDOW FAN. XPELLAIR 61X9. APPROX 500 CFM HIGH SPEED COOLING & HEATING CONTROLS. 120V 150/100 POWER
- ④ RELOCATE EXISTING INLET HEATER & THERMOSTAT. EXTEND EXISTING SUPPLY & RETURN PIPING.
- ④ REMOVE EXISTING 20"x10" CONVECTION AIR LOWWER. EXTEND 20"x10" DUCT THRU CEILINGSPACE TO LOWWER LOCATION ON EXTERIOR WALL.
- ④ REMOVE EXISTING 20"x10" LOWWER. EXTEND 20"x10" DUCT THRU CEILINGSPACE TO LOWWER LOCATION ON EXTERIOR WALL.
- ④ EXTEND 1/2" GAS SERVICE THRU CEILINGSPACE. RECONNECT TO EXISTING WALL GAS SHUT OFF SERVICE.
- ④ EXTEND 1/4" VENT THRU CEILINGSPACE TO ATMOSPHERE.
- ④ PROVIDE WALL FIN RADIATION MANIFOLD TYPE SG, AFF. 25, 248 GAL CAPACITY 1945 BTU/H.F @ 180°F A.W.T. 23/4" HIGH MIN. EDGE AREA.
- ④ PROVIDE CONCEALED FORCE LOWWER MANIFOLD MARKS FLO AFFR 50ZCZ, 1/2" M.F. 25, 2 ROW COIL 73.5 MIN @ 40°F WTR 220 CFM @ 85°F 1/16" HP
- ④ SUPPLY & RETURN PIPING TO EDGE ROOM. REFER TO DRUG. MIZ FOR CONTINUATION. (PIPING IN CEILINGSPACE.)
- ④ PROVIDE EXHHAUST FAN GREENHECK 4P-17 150 CFM @ 0.15" HP 1/8" HP 150% FPM PROVIDE 10" 3/4" DUCT UP TO ROOF OUTLET FLAT ROOF. TYPE F03 SUPPLIED WITH FAN.
- ④ PROVIDE MIF IN TAKE LOWWER. AIFLOWTE K 609 72" x20" H 3.0" HP 100 CFM 1/2" HP AREA
- ④ PROVIDE R-41 20"x10" C/W ACOUSTICALLY LINED SHEET METAL BLOW MOUNT AT 5'0" ABOVE FLOOR. SEE SECTION DYM-1.
- ④ REFER TO DRUG. MIZ FOR CONTINUATION OF NOTES.

 EXISTING DUCTWORK TO REMAIN

 DUCTWORK AS SPECIFIED IN CRAWL SPACE

 DUCTWORK AS SPECIFIED IN CRAWL SPACE

 EXISTING SUPPLY OUTLET

 EXISTING CFM
REMANENCED CFM
SUBJECT TO DUCT DRAFT
& NOISE LIMITATIONS.

PARTIAL PLAN MAIN FLOOR
1/8" = 1'-0"

VANCOUVER, B.C.

"AS-BUILT" DRAWING.

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1985 WEST 4TH AVENUE
VANCOUVER B.C.
V6J 1B8 736-6724

FILE	6410.2
DATE	202.05.27

2	AS BUILT	80
1	APPENDUM No. 2	80
No.	REVISIONS	

**Howard | Yano
Architects**
761 Cardero Street
Vancouver, B.C. V6G 2G3

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MAIN FLOOR
H.V.A.C. &
PLUMBING

ALL DIMENSIONS SHALL BE VERIFIED ON JO

SCALE	NOTED	M. 1 of 3 SHEET NUMBER 9R OF 13
DATE	05.05.27	
DRAWN BY	4	
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