

1  
M-2  
SCALE: 1/8" = 1'-0"

**HEATING COIL SCHEDULE**

NO.	LOCATION	MAKE	MODEL	KW	CONTROL	REMARKS
HC-1	VESTIBULE	WHORIT EXPRESS	WK	15	SPR	WIRED BY DIVISION 16

• COMPONENT VOLTAGE WITH DIVISION 16  
 • WIRE MESH SCREEN COORDINATE EXACT LOCATION WITH STRUCTURAL  
 • COORDINATE WITH DIVISION 16

**FAN SCHEDULE**

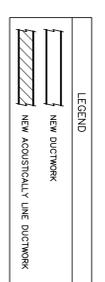
NO.	LOCATION	MAKE	MODEL	AIR CFM	STATIC IN INCHES (W)	NOTION (H)	REMARKS
SF-1	VESTIBULE	GREENHECK	BF-1108	1200	1.5"	3/4"	WIRED BY DIVISION 16

• C/W UNITATION INSULATION, FLEXIBLE DUCT CONNECTORS, DISCONNECT SWITCH & 1" SLOPE OUT FILTER  
 • COMPONENT VOLTAGE WITH DIVISION 16  
 • THERMOSTATICALLY CONTROLLED

**GRILLES, REGISTERS, AND DIFFUSER SCHEDULE**

TYPE	MAKE	MODEL	SERVICE	REMARKS
A	E.H.	JTS	SUPPLY	JTS/9" LENGTH/2" SLOT WIDTH/2 SLOTS 14" PLenum/B12
B	E.H.	S30	RETURN	S30/F/A/A/B12

• COORDINATE WITH DIVISION 16  
 • COORDINATE WITH BAR LOCATIONS



- THIS ABBREVIATED SPECIFICATION DESCRIBES SOME EQUIPMENT AND MATERIALS TO BE ACCEPTED. THE STANDARDS TO BE MET ARE FULLY DESCRIBED IN THE MASTER SPECIFICATIONS.
- MECHANICAL CONTRACTOR SHALL COORDINATE AND CONTROL ALL EQUIPMENT LOCATIONS. REFER TO PHASIA PLS DRAWINGS FOR EXACT TENANT PARTITION WALL LOCATIONS AND STRUCTURAL MEMBERS (COLTS, BEAMS, ETC).
  - ALL SUPPLY AIR RETURN AIR, EXHAUST AIR, FRESH AIR DUCTWORK OPENINGS 14" SQ. IN & LARGER PENETRATING BUILDING ROOF WALLS, ETC. TO BE PROVIDED WITH BURGLAR BARS GALVANIZED ROOF @ 4" ON CENTER WELDED TO BUILDING STRUCTURE.
  - CONTROLS TO BE PROVIDED BY MANUFACTURER.

**DETAILED NOTES:**

- ROOF TOP UNIT HEATER AS SPECIFIED C/W FULL PERIMETER ROOF CURB
- HEAT COOL PROGRAMMABLE THERMOSTAT TO BE SUPPLIED FROM UNDERSIDE OF STRUCTURE C/W 100'-0" @ 6" COIL WINDING THERMOSTAT TO BE RELOCATED AND RE-INSTALLED IN FUTURE TENANT F1-11-UP
- ACQUISITION LINE SUPPLY AIR DUCT DOWN FROM ROOF TOP UNIT C/W WITHIN JOIST SPACE COORDINATE EXACT LOCATION WITH STRUCTURAL
- ACQUISITION LINE RETURN AIR DUCT BELOW FROM ROOF TOP UNIT C/W WITHIN JOIST SPACE COORDINATE EXACT LOCATION WITH STRUCTURAL
- UNIT HEATER AS SPECIFIED COORDINATE EXACT LOCATION ON SITE WITH TENANT DRAWINGS
- EXTEND 4" X 4" UNIT HEATER CHIMNEY UP THROUGH ROOF C/W RAIN CAP
- EXHAUST TO CODE
- 20X10 INSULATED EXHAUST AIR FLEXIBLE PROVIDE CAPED DUCT TAKEOFFS INSULATE AS PER SPECIFICATION
- PROVIDE WALL CAP C/W BACKDRAFT DAMPER TO 6" CAPED EXHAUST DUCT FOR FUTURE TENANT CONNECTION. INSULATE AS PER SPECIFICATION
- FIRE EXTINGUISHER AS SPECIFIED TYPICAL TO BE RELOCATED DURING TENANT F1-11-UP
- ELECTRIC BASEBOARD C/W INTERNAL THERMOSTAT SUPPLIED & INSTALLED BY DIVISION 16

**LIH SPECIFICATIONS:**

- 4000 BTUH OUTPUT, SUSPENDED FROM BUILDING STRUCTURE C/W RAIN CAP, ROOF & HANDS, THERMOSTAT & 4" UNIT THROUGH ROOF.

**VENTILATION SPECIFICATIONS:**

- RETAIL SPACE (SALES) - 745 sq.ft. @ 19 FPM/1700 sq.ft. @ 16 CFM/PERSON = 193 CFM
- OFFICE SPACE - 5 PEOPLE @ 17 CFM/PERSON = 85 CFM
- WAREHOUSE SPACE - 660 sq.ft. @ 0.06 CFM/sq.ft. = 40 CFM
- ROOF TOP UNIT 3 ECONOMIZER MINIMUM POSITION TO BE SET AT APPROX. 20K (465 CFM).

**1. MATERIALS:**

- DUCTING
  - 1. PROVIDE ALL DUCTWORK TO 24" MAX. DIA. 2" STRENGTHS, REBARRED, ALL PROTECTIVE FROM UNFINISHED STEEL TO BE COORDINATED WITH DIVISION 16
  - 2. PROVIDE ALL DUCTWORK TO BE SHOWN ON THE DRAWINGS WITH ALL FLAT SURFACES CROSS BROKEN TO SHOW THE EFFECTIVE CROSS SECTION WITH ALL DUCTWORK TO BE SHOWN WITH ALL THICKNESSES AS FOLLOWS AND SLOPE ALL CROSS WITH 3/8" @ 1/4"
  - 3. BRACKET DUCTS TO THE TO NOT USE SLOPE OR BRACKET SUPPORT UNLESS APPROVED BY THE ARCHITECT
  - 4. DUCTS UP TO 20" WIDE OR DEEP WITH 1" X 1/4" DIA. GALVANIZED STRAPS BRACKET UNDER DUCTS, ON 8'-0" CENTERS. USE ANGLE IRON SUPPORT FOR DUCTS OVER 20" WIDE OR DEEP.
  - 5. PROVIDE ALL DUCTWORK TO ALL BALANCING AND TEST DAMPERS TO BE SHOWN ON THE DRAWINGS WITH ALL DIMENSIONS AND TEST DAMPERS GRILLES ETC.

- INSULATION
  - 1. INSULATE ALL EXHAUST DUCTWORK WITH 1" REBARRED FIBERGLASS REFRN INSULATION AND ALL OTHER C/W FROM ROOF TO BE COORDINATED WITH DIVISION 16
  - 2. PROVIDE 1" THICK INTERNAL REBARRED COATED FIBERGLASS ACoustic DUCT LINER WHERE SHOWN HATCHED OR NOTED ON THE DRAWINGS. MAKE CLEAR INSIDE DIMENSIONS

REF.	DATE	REVISIONS	DESCRIPTION
2	2007/02/28	ISSUED FOR CONSTRUCTION	
1	2006/09/28	ISSUED FOR PERMIT	

The Contractor shall verify all dimensions and other data from the set and report any discrepancies to the Architect before proceeding.



PROJECT TITLE: **PHARMPLUS  
CLIFFE AVE & 17TH ST  
COURTENAY, BRITISH COLUMBIA**

PROJECT NO.: 05-406

SHEET TITLE: **MAIN FLOOR  
HVAC PLAN**

SCALE: AS NOTED

REVISION NO.: **M-2**

SHEET NO.: **2**