

**SEQUENCE OF OPERATION:**

1. INDOOR HEAT PUMP UNIT IS TO MAINTAIN SPACE TEMPERATURE SET POINT BY PROVIDING EITHER COOLING OR HEATING AS REQUIRED.
2. AUXILIARY ELECTRIC HEATING IS TO BE ENABLED AS REQUIRED WHEN HEAT PUMPS CANNOT MAINTAIN SPACE TEMP SET POINT.
3. HEAT PUMP FAN SHALL NOT RUN WHEN SET POINT IS SATISFIED.

**1**  
M3  
**DETAIL— HEAT PUMP SYSTEM ZONE CONTROL (TYP. FOR FENDER HOUSES)**  
SCALE : N.T.S.

AIR CONDITIONING SCHEDULE — INDOOR UNITS							
TAG	AREA SERVED	TYPE	COOLING CAPACITY (KW)	HEATING CAPACITY (KW)	MAX AIRFLOW (L/S)	POWER SUPPLY (V/HZ/PH)	ZONE CONTROLLER
HP-2	NORTH FENDER HOUSE	WALL	7.03 (24 MBH)	8.21 (28 MBH)	366	208-230/60/1	START WIRED
HP-3	SOUTH FENDER HOUSE	WALL	7.03 (24 MBH)	8.21 (28 MBH)	366	208-230/60/1	START WIRED

NOTES:  
 - COMPLETE WITH CONDENSATE LIFT PUMPS, WASHABLE FILTER AS REQUIRED  
 - COMPLETE WALL MOUNTED CONTROLLERS AS REQUIRED

AIR CONDITIONING SCHEDULE — OUTDOOR UNITS							
TAG	LOCATION	COOLING CAPACITY (KW)	HEATING CAPACITY (KW)	POWER SUPPLY (V/HZ/PH)	REFRIGERANT TYPE	SOUND PRESSURE (DBA)	REMARKS
CU-2	WALL	7.03 (24 MBH)	8.21 (28 MBH)	208-230/60/1	R-410A	48/50	
CU-3	WALL	7.03 (24 MBH)	8.21 (28 MBH)	208-230/60/1	R-410A	48/50	

NOTES:  
 - ALL UNITS TO BE PROVIDED SUPPLIED WITH A WEATHERPROOF DISCONNECT  
 - COOLING CAP BASED ON 81°F DB, 71.1°F WB OUTDOOR SUMMER  
 - ALL UNITS c/w SINGLE POINT POWER SUPPLY  
 - ALL UNITS c/w WIND BAFFLE AND ALUMINUM WALL BRACKET

VERTICAL UNIT HEATER SCHEDULE							
TAG	AREA SERVED	TYPE	CAPACITY (KW)	HEATING CAPACITY (KW)	MAX AIRFLOW (L/S)	FAN MOTOR (KW)	POWER SUPPLY (V/HZ/PH)
VUH-1	NORTH FENDER HOUSE	CEILING MOUNTED	5	5 (17.06 MBH)	212	0.0298	208/60/3
VUH-2	SOUTH FENDER HOUSE	CEILING MOUNTED	5	5 (17.06 MBH)	212	0.0298	208/60/3

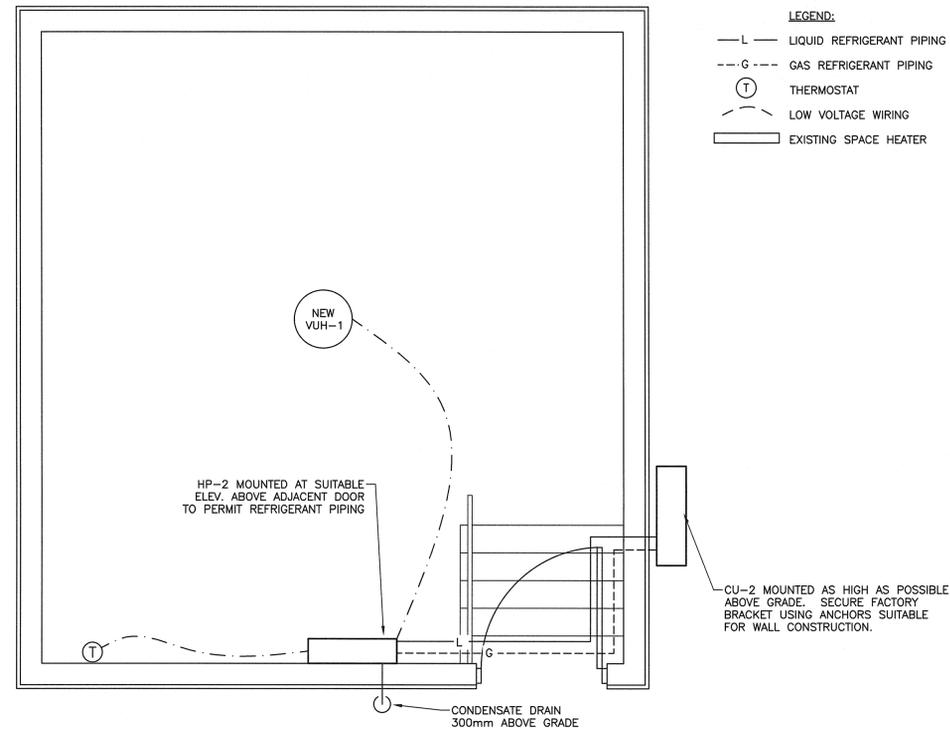
NOTES:  
 - ALL UNITS c/w CEILING MOUNTING BRACKET  
 - TO BE INTERLOCKED WITH HEAT PUMP TO PROVIDE SUPPLEMENTARY OR AUXILIARY HEAT

**NOTES:**

1. CONTRACTOR TO VERIFY ALL DIMENSIONS & SITE CONDITIONS.
2. PERIMETER CAULK AROUND ALL NEW MECHANICAL PENETRATIONS THROUGH EXISTING WALLS.

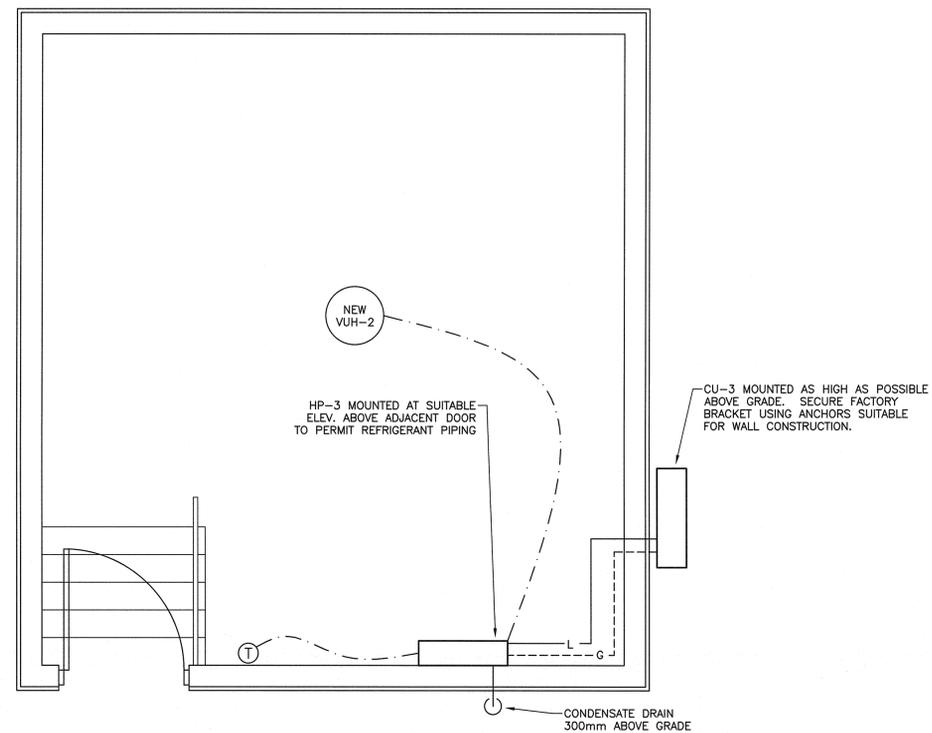
**DEMOLITION NOTES:**

1. REMOVE EXISTING VUH-1 AND VUH-2 IN SAME LOCATIONS AS NEW VUHs. REMOVE ASSOCIATED CONTROLS AND ELECTRICAL. SEE DRAWING E1 FRO ELECTRICAL UPGRADES AND MODIFICATIONS.



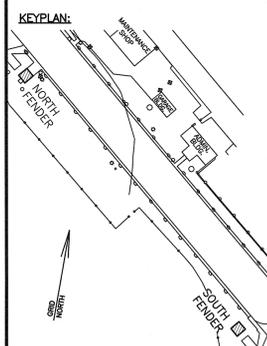
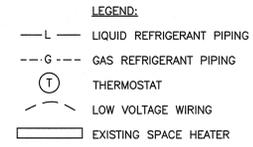
**NORTH FENDER HOUSE FLOOR PLAN**

SCALE : 1:30  
 0mm 500mm 1000mm 1500mm 2000mm 2500mm 3000mm



**SOUTH FENDER HOUSE FLOOR PLAN**

SCALE : 1:30  
 0mm 500mm 1000mm 1500mm 2000mm 2500mm 3000mm



revisions	date
2	ISSUED FOR TENDER
1	ISSUED FOR TENDER
0	ISSUED FOR TENDER
B	ISSUED FOR REVIEW
A	ISSUED FOR REVIEW

project  
**CANSO CANAL PORT HASTINGS, INVERNESS COUNTY, NS HEAT PUMPS**  
 project

drawing  
**NORTH & SOUTH FENDER HOUSE FLOOR PLANS**  
 dessin

designed MC	conçu
date SEP 8 2017	
drawn DA	dessiné
date SEP 8 2017	
approved	approuvé
date	
Tender	Submission
PWOSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
<b>R.090672.001</b>	
drawing no.	no. du dessin
<b>M3</b>	