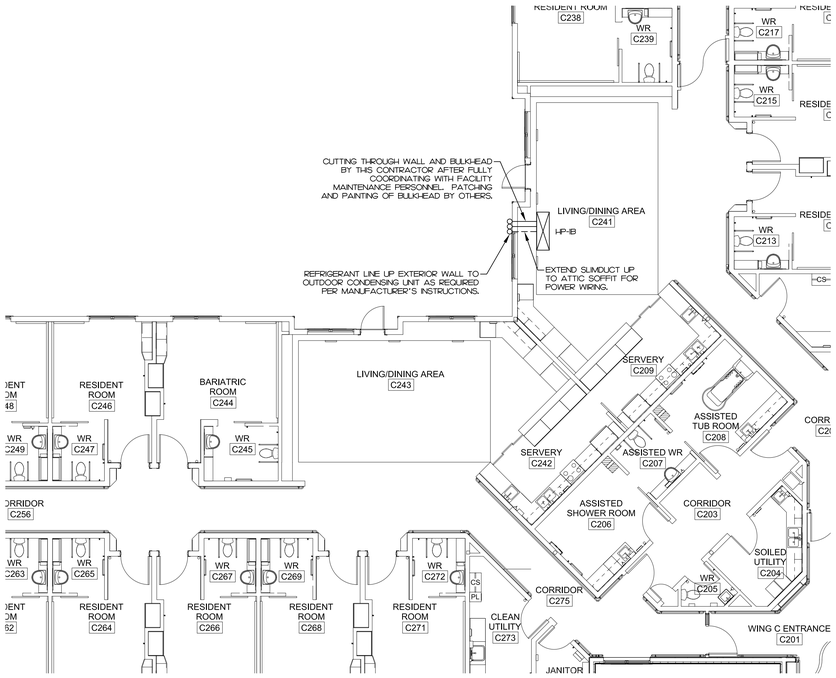
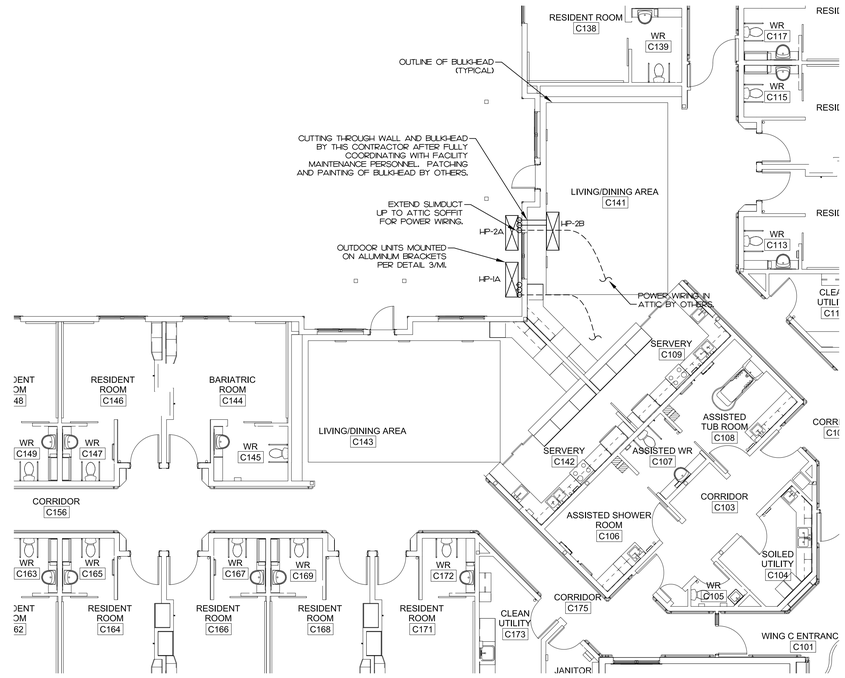
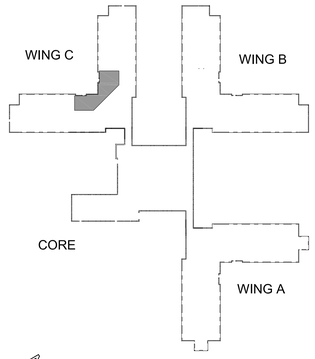


1 LOWER FLOOR PLAN
SCALE: 1:100



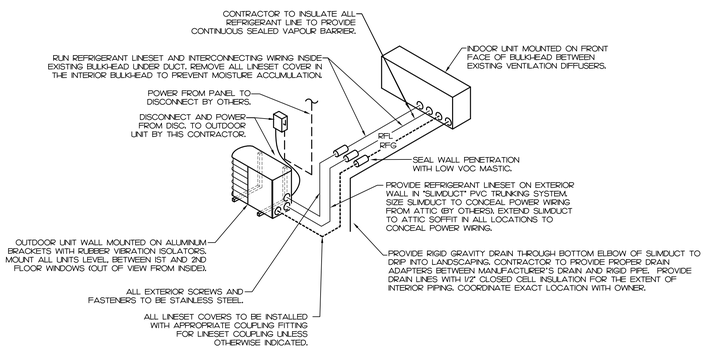
2 UPPER FLOOR PLAN
SCALE: 1:100



KEY PLAN
NTS

NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NBCC, NFPA, AND ALL APPLICABLE CODES AND REGULATIONS UNDER AUTHORITIES HAVING JURISDICTION.
2. THE SPECIFICATIONS SHALL FORM A PART OF THE TENDER DOCUMENTS AND SHALL BE CONSIDERED INTEGRAL TO THE WORK REQUIRED HEREIN.
3. ALL WORK SHALL BE COORDINATED WITH THE OWNER AND OTHER CONTRACTORS INVOLVED IN THE WORK DESCRIBED HEREIN.
4. THIS CONTRACTOR SHALL PROVIDE FULLY FUNCTIONAL MINI-SPLIT HEAT PUMP INSTALLATIONS, INCLUDING THE SUPPLY AND INSTALLATION OF THE HEAT PUMP AND LISTED ACCESSORIES AND EQUIPMENT AS PER THE MANUFACTURERS RECOMMENDATIONS. ELECTRICAL WORK NOTED WILL BE PERFORMED BY OTHERS. PAINTING AND ANY ARCHITECTURAL WORK REQUIRED AS A RESULT OF THE WORK REQUIRED TO INSTALL THESE HEAT PUMPS WILL BE BY OTHERS. COORDINATE WITH OWNER.
5. ALL EQUIPMENT MANUFACTURERS LISTED FORM THE STANDARD OF ACCEPTANCE FOR THE EQUIPMENT REQUIRED. ALTERNATE EQUIPMENT MAY BE SUBSTITUTED ONLY AFTER RECEIVING APPROVED EQUAL STATUS FROM ENGINEER DURING TENDER PROCESS ONLY. PROVIDE SHOP DRAWINGS ON ALL EQUIPMENT PRIOR TO ORDERING. IF ALTERNATE EQUIPMENT IS APPROVED BY ENGINEER ALL COSTS ASSOCIATED WITH ANY REQUIRED MODIFICATIONS, CHANGES, ETC TO USE THE ALTERNATE EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ALL WORK SHALL BE SCHEDULED AND COORDINATED WITH THE SITE ADMINISTRATOR PRIOR TO BEGINNING CONSTRUCTION. REFER TO SPECIFICATIONS FOR SCHEDULING REQUIREMENTS, WHEN WORK IS REQUIRED IN OCCUPIED AREAS AND FOR DUST CONTROL MEASURES REQUIRED.
7. CONTRACTOR SHALL REMAIN SENSITIVE AT ALL TIMES TO THE EXTENT TO WHICH NOISE AND GENERAL COMMOTION WILL DISRUPT CLIENTS AND MUST ENDEAVOR TO MINIMIZE DISTURBING CLIENTS AT ALL TIMES. CONTRACTOR SHALL CONSTRUCT OR PRE-FABRICATE AS MUCH AS POSSIBLE OFFF-SITE FOR ASSEMBLY ON-SITE IN ORDER TO MINIMIZE DISRUPTIONS TO CLIENTS. CONTRACTOR TO ADVISE THE OWNER 24 HOURS IN ADVANCE IF CLIENT DISRUPTION WILL OCCUR DUE TO DRILLING, EQUIPMENT DELIVERIES, DEMOLITION, ACCESS RESTRICTIONS OR ANY OTHER ITEMS WHICH MAY IMPEDE REGULAR CLIENT OPERATIONS.
8. CONTRACTOR TO SUPPLY AND INSTALL ALL SCAFFOLDING, STAGING AND/OR HOISTING REQUIRED FOR WORK TO BE COMPLETED.
9. CONTRACTOR TO ENSURE WARRANTY FOR THE MINI-SPLIT HEAT PUMP EQUIPMENT HAS A MINIMUM FIVE (5) YEAR WARRANTY ON PARTS AND COMPRESSOR.
10. CONTRACTOR TO CLEAN UP ANY EXCESS IN INSULATION THROUGH WALL PENETRATIONS AS REQUIRED.



3 AC UNIT CONNECTION DETAIL
N.T.S.

HEAT PUMP SCHEDULE

UNIT NO.	MANUFACTURER	MODEL	RATED COOLING CAP. BTU	RATED HEATING CAP. BTU	L/S (CFM)	SEER/ HSPF	ELECTRIC AMPS	ELECTRICAL	REMARKS
HP-1 & 2	DAIKIN MINI-SPLIT	FTXS36LVJU RXS36LVJU	36,000	38,000	365 (774)	17.9 / 8.3	19.5A MCA 20A MOCP	208-230/1/60	PROVIDE ALL HEAT PUMPS WITH DISCONNECT, WIND BAFFLE, ALUMINUM WALL STAND, RUBBER ISOLATION MOUNTS, ELECTRICAL INTERCONNECTION WIRING AND WIRELESS HANDHELD REMOTE CONTROLLER.

NOTE: EQUAL PRODUCTS FROM FUJITSU AND MITSUBISHI WILL BE CONSIDERED, BUT WILL BE REMAIN SUBJECT TO REVIEW BY THE ENGINEER AT THE SHOP DRAWING STAGE.

PROFESSIONAL ENGINEER
Sean W. Wheeler
No. 657
PRINCE EDWARD ISLAND

NO.	DESCRIPTION	DATE	CHK
0	ISSUED FOR TENDER	JULY 20, 2016	

REVISIONS

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CLIENT
Prince Edward Island CANADA
Department of Transportation, Infrastructure & Energy

PROJECT TITLE
PE Home
Heat Pump Installation
Phase 2
T.I.E. Project #151074

SHEET TITLE
Mechanical Plans

DATE: July, 2016
DRAWN BY: N.D.C. E.I.T.
CHECKED BY: S.W.W. P.ENG.
REVISION 0
PROJECT NUMBER: 161066
DRAWING NUMBER: M1

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