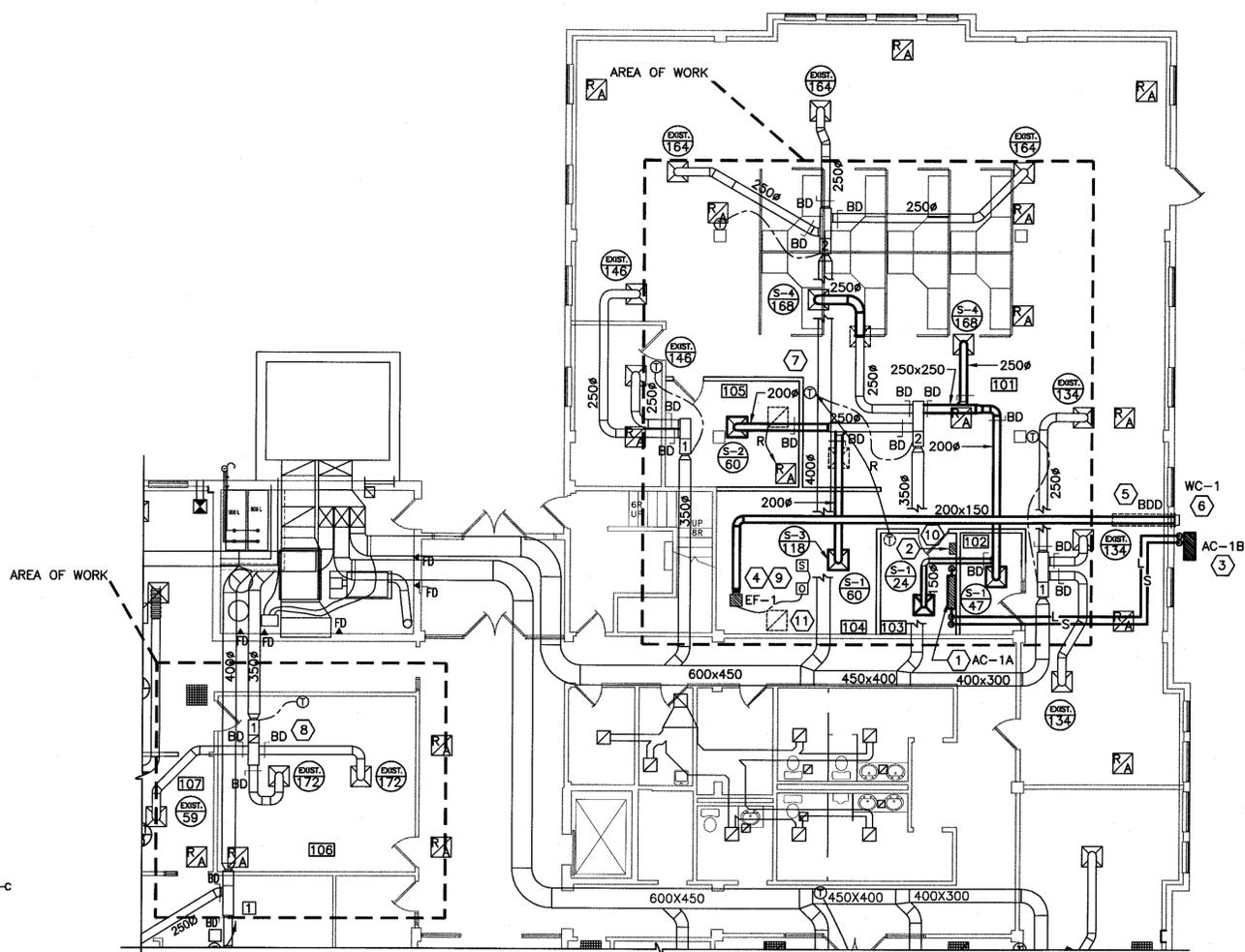
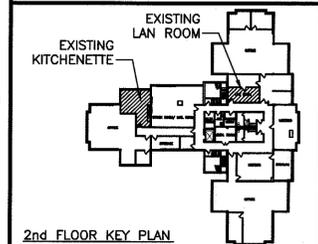


KEY NOTES

- 1 NEW EVAPORATOR UNIT FOR LAN ROOM A/C SYSTEM MOUNTED ON WALL 50mm BELOW CEILING. REFER TO SPECIFICATION SECTION 23 81 23 FOR EQUIPMENT CHARACTERISTICS.
- 2 PROVIDE WALL MOUNTED CONDENSATE LIFT PUMP AND PIPE TO BASE CABINET IN KITCHENETTE. REFER TO PLUMBING DRAWING FOR PIPE ROUTING AND DRAIN DETAILS.
- 3 NEW CONDENSING UNIT FOR LAN ROOM A/C SYSTEM MOUNTED ON EXTERIOR WALL 1220mm ABOVE GRADE. PROVIDE HOT DIP GALVANIZED, EXPANDED METAL SECURITY CAGE ON OUTDOOR UNIT. CAGE SHALL ALLOW PROPER OPERATION OF CONDENSING UNIT AND BE REMOVABLE FOR EQUIPMENT MAINTENANCE. REFER TO SPECIFICATION SECTION 23 81 23 FOR EQUIPMENT CHARACTERISTICS.
- 4 NEW INLINE EXHAUST FAN MOUNTED IN CEILING TILE. REFER TO DETAIL FOR MOUNTING REQUIREMENTS. REFER TO SPECIFICATION SECTION 23 34 00 FOR EQUIPMENT CHARACTERISTICS.
- 5 PROVIDE 25mm FOIL FACED FIBERGLASS INSULATION ON EXHAUST DUCT FROM WALL PENETRATION TO A DISTANCE OF 1850mm INSIDE BUILDING.
- 6 PROVIDE WALL CAP C/W GRAVITY BACKDRAFT DAMPER. WALL PENETRATION SHALL BE SEALED AND MADE WEATHER TIGHT. REFER TO SPECIFICATION SECTION 23 37 20.
- 7 EXISTING WALL SENSOR RELOCATED.
- 8 EXISTING DIFFUSERS AND BRANCH DUCTS SHALL REMAIN. BALANCE SUPPLY AIR FLOWS AS INDICATED.
- 9 PROVIDE FAN SPEED CONTROLLER AND OCCUPANCY SENSOR. MOUNT SPEED CONTROLLER IN CEILING CAVITY. OCCUPANCY SENSOR SHALL BE CEILING MOUNTED IN LINE WITH MICROWAVE AND 1800mm FROM SOUTH WALL. REFER TO SPECIFICATION SECTION 23 34 00.
- 10 PROVIDE FIRE RATED DOOR GRILLE DC-1. REFER TO SPECIFICATION SECTION 23 37 13.
- 11 REMOVE EXISTING RETURN AIR GRILLE.

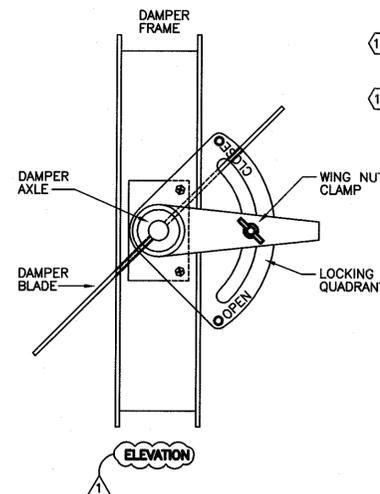
LEGEND

- L → NEW REFRIGERANT LINES RUN IN CEILING CAVITY
- S → CONDENSATE PIPING
- C → CONDENSATE PIPING
- ITEM TO BE REMOVED
- R ITEM TO BE RELOCATED
- 200x150 NEW DUCT. SIZE= CLEAR INSIDE
- EXISTING DUCTWORK TO REMAIN
- BD BALANCING DAMPER
- BDD BACK DRAFT DAMPER
- DUCT WITH 25mm THICK FOIL FACED FIBERGLASS INSULATION CLEAR INSIDE DIM.
- EXISTING DIFFUSER
- NEW DIFFUSER
- EXISTING RETURN GRILLE
- NEW RETURN GRILLE
- TAG DIFFUSER/GRILLE DESCRIPTOR. REFER TO SPECIFICATION SECTION 23 37 13.
- AIR FLOW IN L/S
- EXISTING HEATING/COOLING T-STAT TO REMAIN
- FAN SPEED CONTROLLER
- 180° OCCUPANCY SENSOR
- AIR FLOW DIRECTION



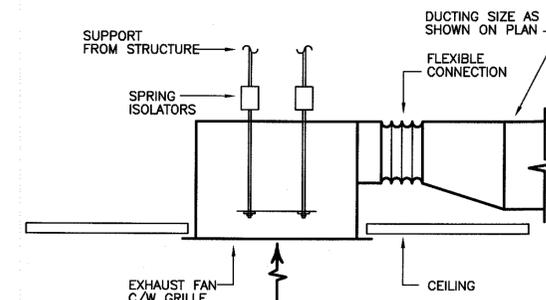
1st FLOOR PARTIAL PLAN

SCALE : 1:100
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



BALANCING DAMPER DETAIL 1

SCALE : N.T.S.



EXHAUST FAN EF-1 DETAIL 2

SCALE : N.T.S.

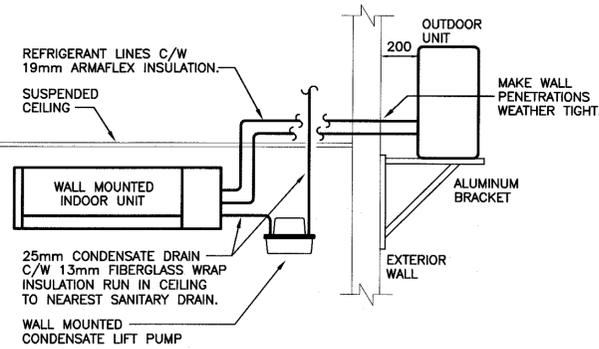


1	ISSUED FOR TENDER	MAY 23 2014
0	ISSUED FOR TENDER	APR 11 2014
revisions		date
project		project

BRIDGEWATER HRSDC
RE-FIT
77 DUFFERIN STREET
BRIDGEWATER
NOVA SCOTIA

HVAC PLAN

designed	C. JESSEN	conçu
date	Feb 19, 2014	
drawn	B. COLDWELL	dessiné
date	Feb 19, 2014	
approved	C. JESSEN	approuvé
date	Feb 19, 2014	
Tender	THEA LUYPEN	Sourmission
PWOSC Project Manager	Administrateur de projets TPSC	
project number	R.052379.002	no. du projet
drawing no.	M2	no. du dessin

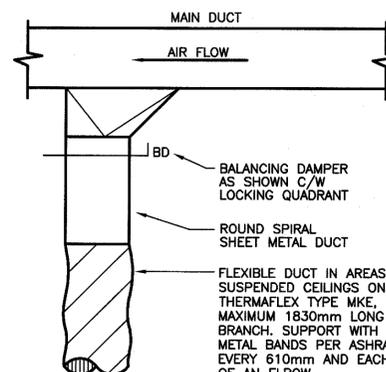


A/C-1 UNIT MOUNTING DETAIL

SCALE: N.T.S.

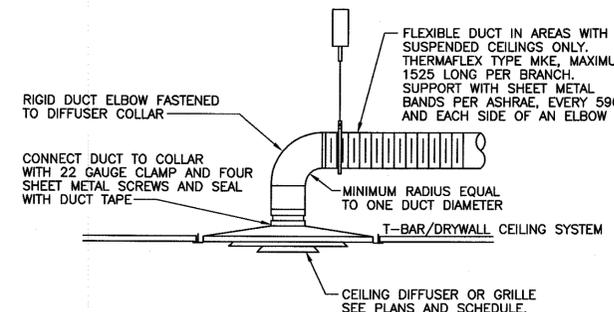
NOTES:

1. REFRIGERANT PIPING SHALL BE TYPE 'L' COPPER.
2. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL WIRING BETWEEN THE INDOOR & OUTDOOR UNIT.
3. THE CONTRACTOR SHALL SUPPORT THE VERTICAL SECTIONS OF REFRIGERANT PIPING WITH UNISTRUT CHANNEL.
4. PROVIDE A TRAP AT THE BOTTOM OF THE SUCTION LINE RISER.
5. REFRIGERANT PIPING SHALL BE DONE BY A QUALIFIED REFRIGERATION MECHANIC.
6. SECURELY FASTEN OUTDOOR UNIT TO WALL MOUNTING BRACKET.
7. ATTACH MOUNTING BRACKET TO EXTERIOR WALL WITH STAINLESS STEEL FASTENERS.
8. PROVIDE 25mm CONDENSATE DRAIN C/W 13mm FIBERGLASS WRAP INSULATION AND VAPOR BARRIER.



BRANCH DUCT CONNECTION DETAIL 3

SCALE : N.T.S.



DIFFUSER INSTALLATION DETAIL 4

SCALE : N.T.S.