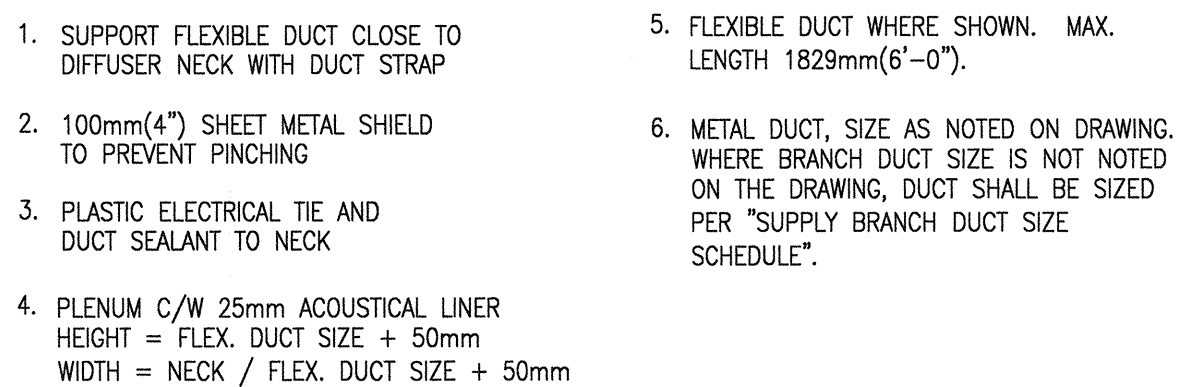


ABBREVIATIONS	
ABBREV.	DESCRIPTIONS
CONC.	CONCRETE
CU	CONDENSING UNIT
DWG	DRAWING
DX	DIRECT EXPANSION
EA, E/A	EXHAUST AIR
ELEV.	ELEVATION
EX.	EXISTING
HP	HEATING PUMP
HV	HEATING & VENTILATING
OA, O/A	OUTDOOR AIR
O.C.	ON CENTRE
OPNG	OPENING
RA, R/A	RETURN AIR
SA, S/A	SUPPLY AIR
SPEC.	SPECIFICATIONS
TYP.	TYPICAL
UN	UNLESS OTHERWISE NOTED
UTR	UP THROUGH ROOF

NOTE: SPRINKLERS IN LIGHT HAZARD OCCUPANCIES SHALL BE OF THE QUICK RESPONSE TYPE AS PER NFPA 13.

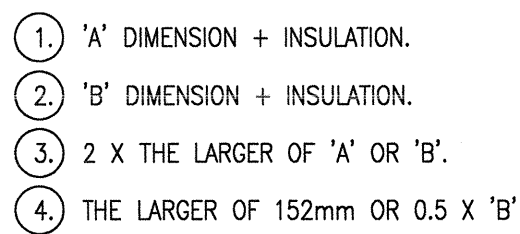
1. PROVIDE THE DESIGN AND INSTALLATION WET SPRINKLER SYSTEM FOR "FIRE PROTECTION AREA OF WORK" IN ACCORDANCE WITH NFPA 13-2013 and LOCAL CODES. PROVIDE SPRINKLER ENGINEER SERVICE WITH LETTERS OF ASSURANCE.
2. EXISTING SPRINKLER HEADS ARE SHOWN OVER NEW FLOOR PLAN. RELocate EXISTING HEADS AND PROVIDE ADDITIONAL HEADS (MATCHING EXISTING) TO COMPLY WITH NFPA-13.
3. MODIFY EXISTING PIPING LAYOUT AND RE-ROUTE EXISTING PIPING AS REQUIRED TO ACCOMMODATE INSTALLATIONS OF MECHANICAL/ELECTRICAL SERVICES AND EQUIPMENT. COORDINATE WITH OTHER TRADES.
4. BUILDING OCCUPANCY IS LIGHT HAZARD.
5. INSTALL HANGERS AT 2,440 O.C. ON ALL PIPING 2,440 AFF OR LOWER.
6. ARCHITECTURAL REFLECTED CEILING PLAN, LIGHTING AND DUCTWORK LAYOUTS ARE SHOWN FOR REFERENCE ONLY. CONFIRM WITH DRAWINGS BY CUTTING AND PATCHING.
7. ALLOW FOR CUTTING AND PATCHING.
8. EXISTING SPRINKLER PIPES WILL TO BE TESTED FOR LEAD PAINT UNDER A SEPARATE CONTRACT.



DIFFUSER - PLENUM W/ SIDE CONNECTION
N.T.S.



1. EVAPORATOR COIL
2. CONDENSING UNIT TO BE MOUNTED ON CURBS W/ NEOPRENE PAD.
3. LIQUID LINE
4. SUCTION LINE
5. EXPANSION VALVE SENSOR
6. THERMOSTATIC EXPANSION VALVE
7. SOLENOID VALVE
8. SIGHT GLASS
9. FILTER DRYER.
10. CURBS (BY OTHERS)

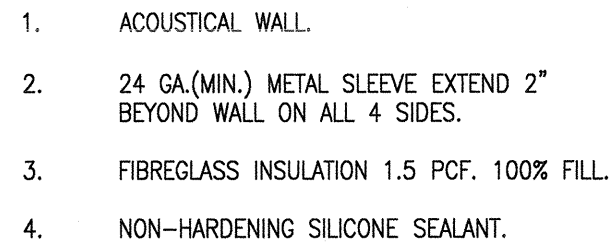


REFER TO PLAN FOR ELBOW ARRANGEMENTS AND
ACOUSTICAL DUCT LINER THICKNESS.

TYPICAL RETURN/TRANSFER DUCT
N.T.S.



- ① REMOVE EX. DIFFUSER AND CAP BRANCH DUCT.
- ② EX. DIFFUSER TO BE RELOCATED.
- ③ REMOVE EX. EXHAUST FAN, DUCTWORK, GRILLE, WALL TIMER. CAP EX. DUCT AS SHOWN.
- ④ REMOVE EX. R/A TRANSFER AIR BOOT.
- ⑤ REMOVE AND REINSTALL EX. THERMOSTAT ON NEW, FURRED OUT WALL.
- ⑥ REMOVE EX. R/A TRANSFER AIR BOOT ELBOW ON CLASSROOM SIDE ONLY.



SERVICE PENETRATION THROUGH ACOUSTICAL WALL
N.T.S.



- 1 REQUIRED DIFFUSER. EXTEND EX. 254 S/A DUCT AS
NECESSARY TO CREATE CURTAIN HEAD. PROVIDE BALANCING
DAMPER. RE-BALANCE EX. DIFFUSER TO AIRFLOW NOTED.
- 2 TRANSFER AIR BOOT.
- 3 20 CONDENSATE DRAIN C/W 25mm FIBREGLASS INSULATION.
SLOPE TO FLOOR DRAIN IN MECHANICAL ROOM. COORDINATE
EXACT ROUTING ON SITE.
- 4 REFRIGERANT PIPING C/W INSULATION. PROVIDE ALUMINUM
JACKET FOR PIPING EXPOSED TO WEATHER.
- 5 OUTDOOR CONDENSING UNIT ON ROOF, MOUNTED ON BUILT-UP
CURBS; EXACT LOCATION TO BE CONFIRMED ON SITE AND
COORDINATED WITH GENERAL CONTRACTOR. SEAL ROOF
PENETRATIONS WATERTIGHT. INDOOR UNIT SET AT HIGH SPEED
(144 L/S). DIV. 26 TO PROVIDE LINE VOLTAGE WIRING BETWEEN
INDOOR/OUTDOOR UNITS AND CONDENSATE PUMP. DIV. 23/25 TO
PROVIDE LOW VOLTAGE WIRING (N CONDUIT) FOR HARDWIRED
REMOTE CONTROLLER IN ROOM 166B.
- 6 LINED PLENUM W/ SIDE CONNECTIONS PER DETAIL.
- 7 SCHEDULED AIRFLOW = (S/A FROM EX. HV UNIT) + (S/A FROM
DX INDOOR UNIT)
- 8 FLEXIBLE DUCT CONNECTOR & DISCHARGE PLENUM AT INDOOR
UNIT S/A OUTLET. PROVIDE 25mm DUCT LINER ON ALL S/A
DUCT DOWNSTREAM OF HP-1.
- 9 TRANSFER AIR BOOT & CEILING RETURN AIR TRANSFER GRILLE.
- 10 EXTEND DUCTWORK AND PROVIDE NEW TRANSFER AIR BOOT
ELBOW ON CORRIDOR SIDE TO ACCOMMODATE THICKENED WALL.

V&C SEARCH AREA
RM 166

SD-1	33
152#	
RTG-1	—
203x152	

RCMP MONITORING AREA
RM 166B

SD-1	113
254#	
RTG-1	—
305x254	

RCMP INTERVIEW AREA
RM 166C

SD-1	83
254#	
RTG-1	—
254x254	

CORRIDOR
RM 166A

SD-1	23
152#	
RTG-1	—
203x152	

ACCEPTABLE MATERIALS: DAIKIN

INDOOR: FDXS12LVJU (SLIM DUCT)
OUTDOOR: RXS12LVJU
COOLING CAPACITY 4,800-11,500 B
HEATING CAPACITY 4,800-11,500 B
15.5 SEER, R410A
MCA 8.75 AMP @ 208/1/60.
C/W CONDENSATE PUMP, HARDWIRE
CONTROLLER.

SUPPLY AIR DIFFUSER
SD-1: E.H. PRICE MODEL SCD/B12

RETURN AIR TRANSFER GRILLE
RTG-1: E.H. PRICE MODEL 530/L/B12