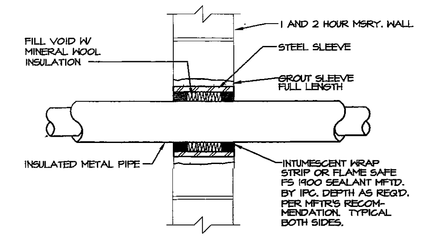
DUCTWORK

- RECTANGULAR DUCT
- RECTANGULAR DUCT WITH INTERNAL ACCOUSTICAL INSULATION.
- ROUND DUCT
- FLEX DUCT
- INCLINED RISE
- INCLINED DROP
- FLEXIBLE DUCT CONNECTOR
- RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSITION. MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE NOTED.
- RECTANGULAR TO ROUND DUCT TRANSFORMATION.
- BRANCH TAKEOFF (45° TAP)
- TURNING VANES (AIR FOIL TYPE)
- RADIUSED ELBOW (R/W=1)
- SPLITTER DAMPER
- ACCESS DOOR/ACCESS PANEL
- SUPPLY
- RETURN
- EXHAUST
- ROUND DUCT SECTION

PIPING LEGEND

- GATE VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- TRIPLE DUTY VALVE
- MAUNUAL BALANCE VALVE
- STRAINER
- AUTOMATIC FLOW CONTROL VALVE
- PRESSURE GAGE W/ GAGE COCK
- TEMPERATURE GAGE W/ THERMOWELL
- P&T TEST PLUG
- GLOBE VALVE
- 2 WAY VALVE PNEUMATIC OPERATOR
- 3-WAY VALVE ELECTRIC OPERATOR
- FLEX CONNECTION
- UNION
- BACKFLOW PREVENTER
- PUMP



ACCEPTABLE MANUFACTURER'S:
(1) DOW CORNING
(2) 3M
(3) SPECIFIED TECHNOLOGIES, INC.
(4) INTERNATIONAL PROTECTIVE COATINGS

INSULATED METALLIC PIPE

FIRESTOPPING PENETRATION DETAIL

SCALE: NONE

CONTROLS

- SUPPLY DIFFUSER
- RETURN GRILLE
- EXHAUST GRILLE
- LOUVER
- GRAVITY ROOF VENTILATOR/INTAKE
- POWER OR GRAVITY ROOF EXHAUSTER
- POWER OR GRAVITY ROOF INTAKE
- FIRE RATED DIFFUSER OR GRILLE
- FIRE DAMPER (VERTICAL)
- FIRE & SMOKE DAMPER (VERTICAL)
- FIRE DAMPER (HORIZONTAL)
- FIRE & SMOKE DAMPER (HORIZONTAL)
- THERMOSTAT
- HUMIDISTAT
- DEW CELL
- TEMPERATURE SENSOR
- VOLUME DAMPER
- MOTORIZED DAMPER

2000-M-34

ARCHITECTS
ENGINEERS
PLANNERS

VEAZEY
PARROTT
DURKIN &
SHOULDERS

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RENOVATION PROJECT FOR:

DUNELAND SCHOOL CORP.

CHESTERTON HIGH SCHOOL/MIDDLE SCHOOL

CHESTERTON, INDIANA

Drawing Title

LEGEND AND DETAILS

THOMAS H. DURKIN REGISTERED No. 19257 STATE OF INDIANA PROFESSIONAL ENGINEER

Project No	998000
Project Date:	JUNE 2000
Drawn By	
Approved By.	
Drawing No	M 4.2