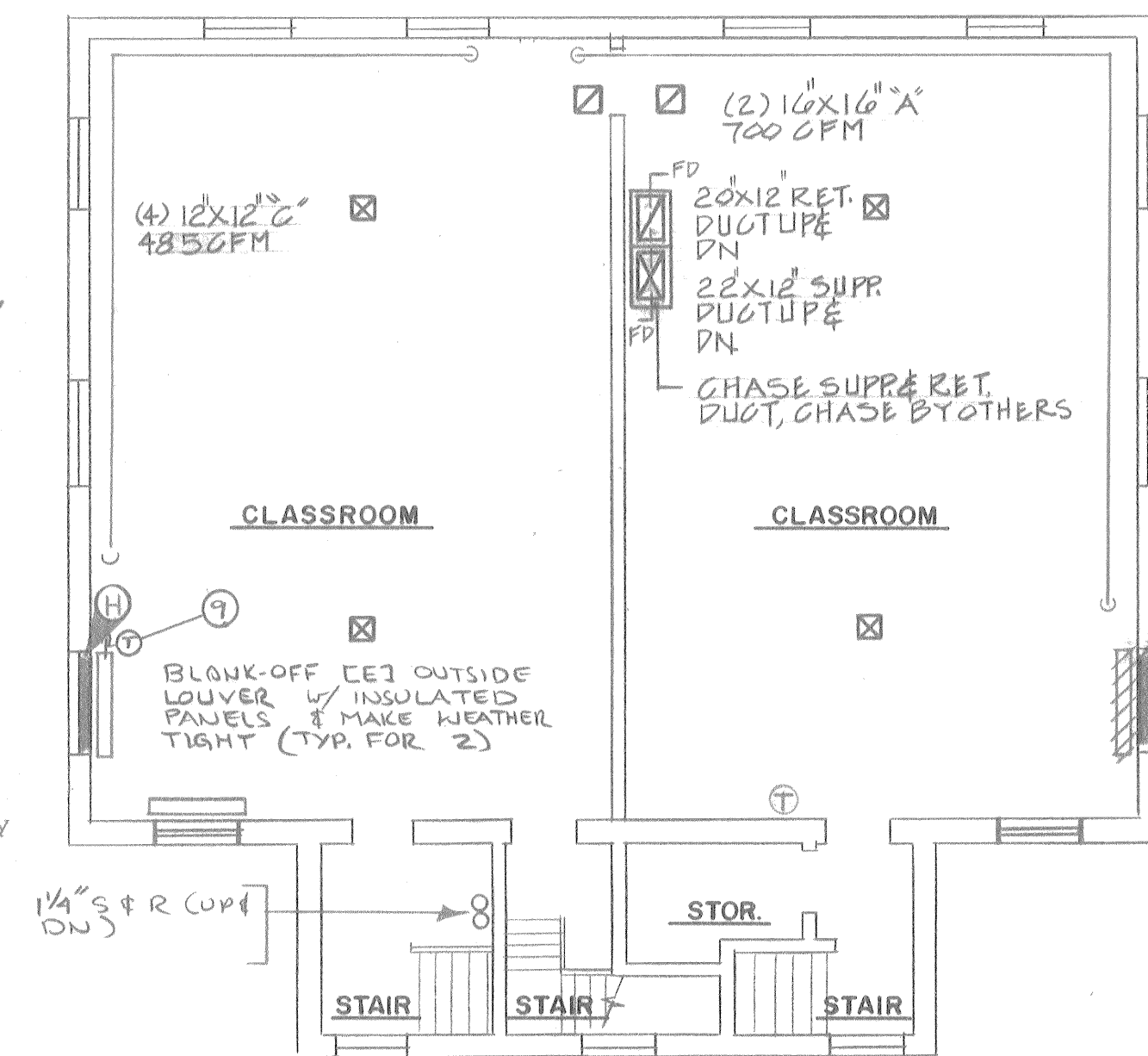


- 1 Remove (two) existing unit heaters completely in existing cafeteria, steam and condensate piping back to mains, controls, supports, etc.
- 2 Remove existing steam radiation in existing corridor completely, steam and condensate piping, supports, etc. Patch holes in walls as required to match existing.
- 3 Remove existing steam zone valve and piping as required and cap existing steam main. Connect new hot water piping to existing 3/4" steam main.
- 4 Locate new heat exchanger, pumps, air separator, etc., high in existing boiler room. SEE HEAT EXCHANGER DETAIL DRAWING HV-3.
- 5 Install volume dampers in existing exhaust system where shown, sized to suit.
- 6 Remove existing 9" x 6" duct and associated branch back to main. Connect new 8" x 6" duct to existing main and run as shown to (4) new 6" x 4" "A" C 50 CFM each. Return grille from Principal's office to remain for relief into corridor ceiling.
- 7 Remove existing condensate main serving Principal's room, classroom, teacher's cafeteria completely, including all traps, valves, supports, etc. and cap cond. main in crawl space.
- 8 Install new 3/4" R. lines, connect to existing fin tube radiation with shut-off and balancing valves and drains. SEE DETAIL FOR NEW SUPPLY AND RETURN CONNECTIONS.
- 9 Remove existing steam supply radiator valve and replace with new direct acting steam operated thermostatic control valve by Robertshaw, Macon or approved equal, sized to suit.
- 10 Remove and relocate existing steam header as shown and re-connect to existing in crawl space and at ceiling. Patch floor to match existing. Also remove existing radiator and cap mains in crawl space.

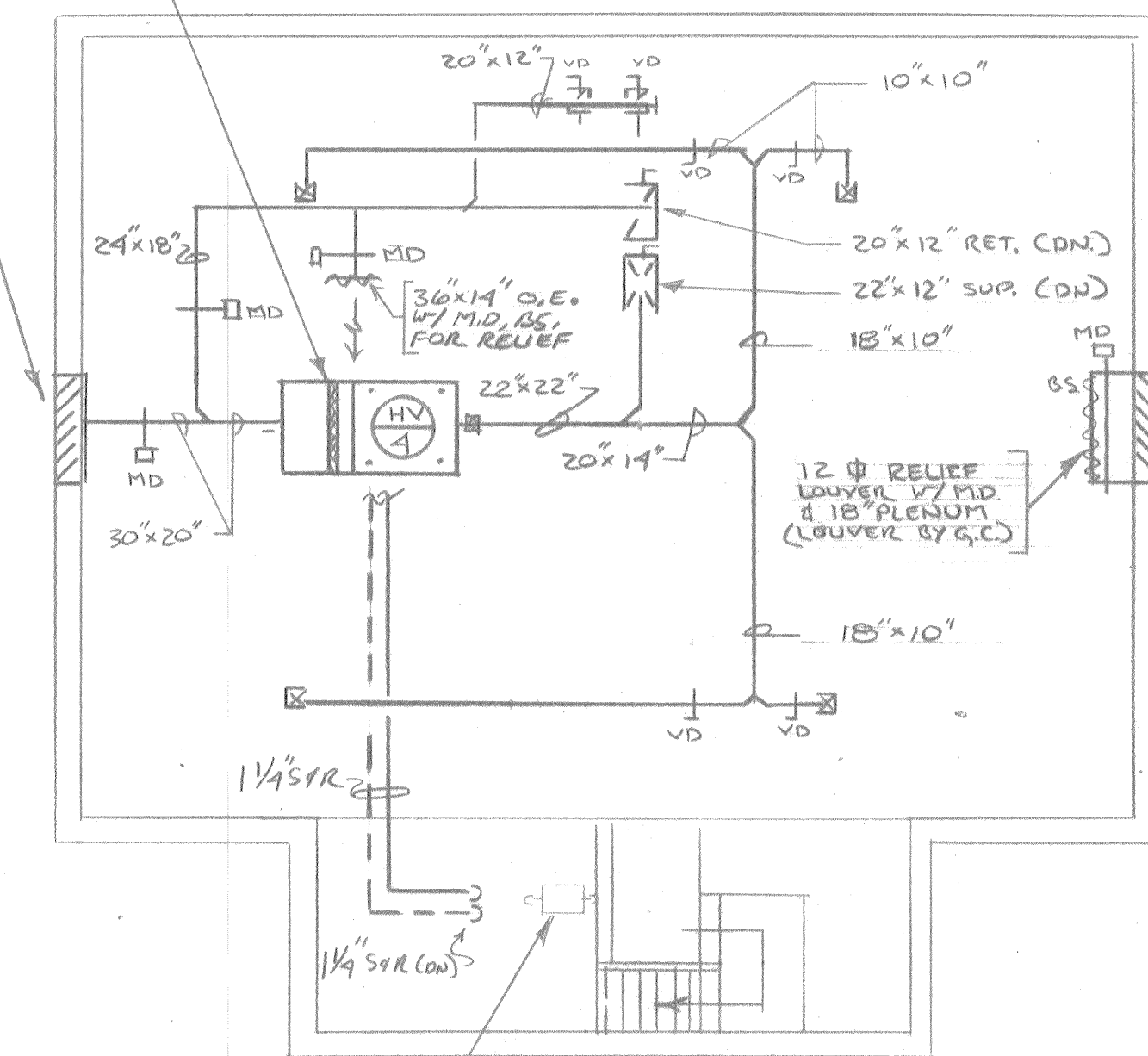
16" FRESH AIR LOUVER w/ 18" PLENUM (LOUVER BY G.C.)

SUPPORT UNIT HIGH OFF ATTIC FLOOR MIN. 8'-0" INCLUDING DUCTWORK, PIPING, ETC.. INSTALL WITH FLEXIBLE CONNECTIONS, 18" PLENUM, FILTER ETC. LINE SUPPLY DUCT 18'-0" FROM UNIT. ANCHOR TO EXIST. ROOF STRUCTURE w/ SUPPORT BEAMS, 9/16" THREADED RODS(4), VIBRATION ISOLATORS, NUTS WASHERS, ETC.



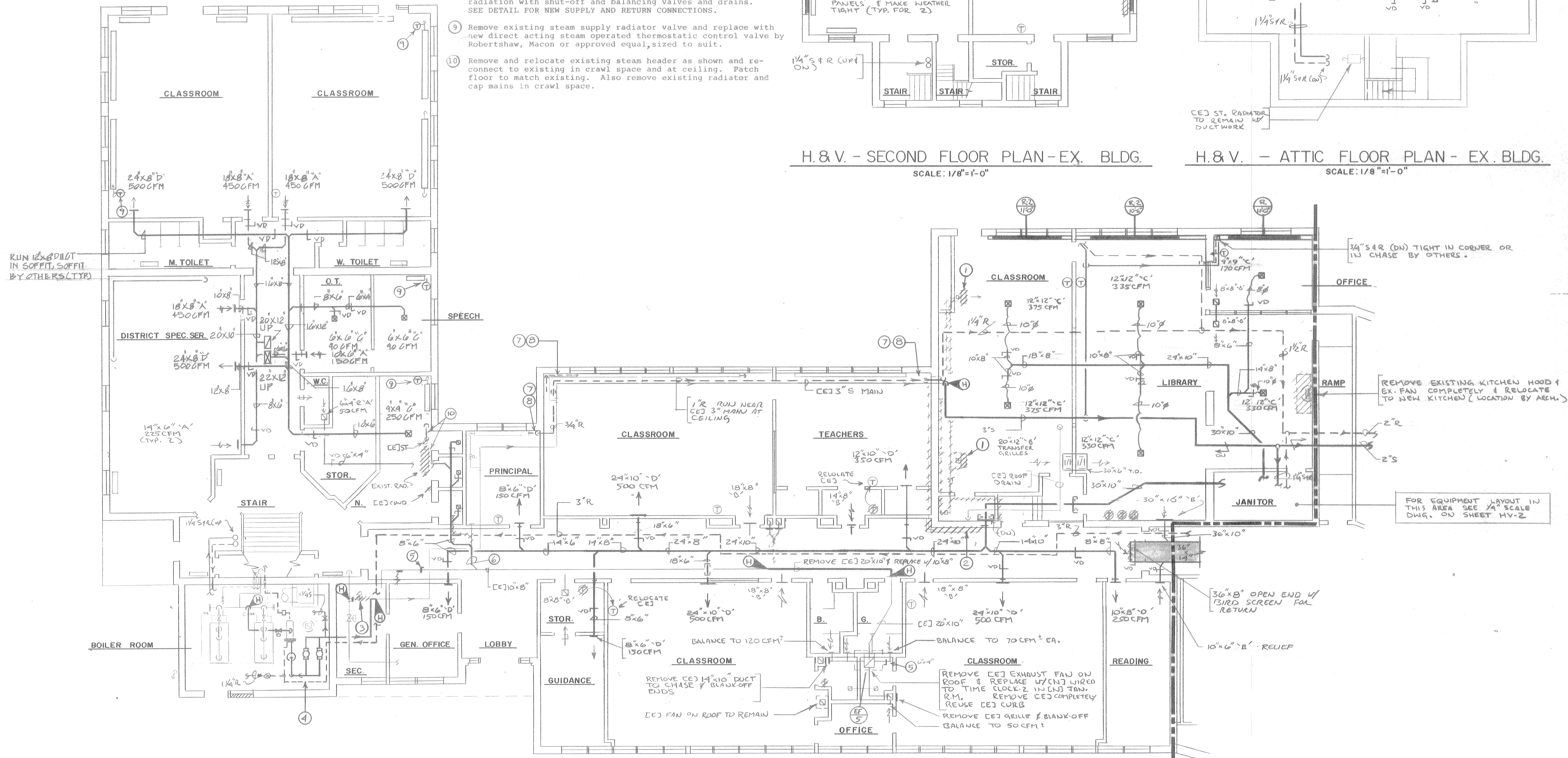
H. & V. - SECOND FLOOR PLAN - EX. BLDG.

SCALE: 1/8"=1'-0"



H. & V. - ATTIC FLOOR PLAN - EX. BLDG.

SCALE: 1/8"=1'-0"



HEATING & VENTILATING - FIRST FLOOR PLAN - EXISTING BUILDING

SCALE: 1/8"=1'-0"

DWG. HV-1 DWG. HV-2
EXISTING. BLDG. NEW ADDITION

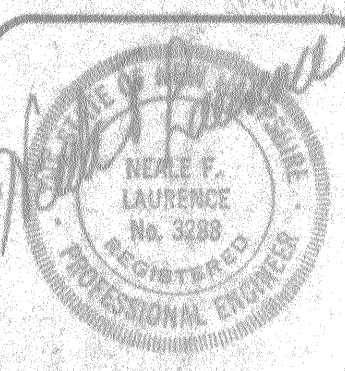
MATCH LINE

N.F. LAURENCE and ASSOCIATES, INC.
CONSULTING ENGINEERS
113 WEST MAIN STREET
NORTHBOROUGH, MASSACHUSETTS 01532

HEATING & VENTILATING - PLAN - EXISTING BUILDING

WARNER ELEMENTARY SCHOOL
WARNER, NEW HAMPSHIRE

proj. 675
date
scale AS NOTED
by K.A.
rev.



dwg. no.
HV-1

FRANK P. MARINACE/ARCHITECT, P.A.
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