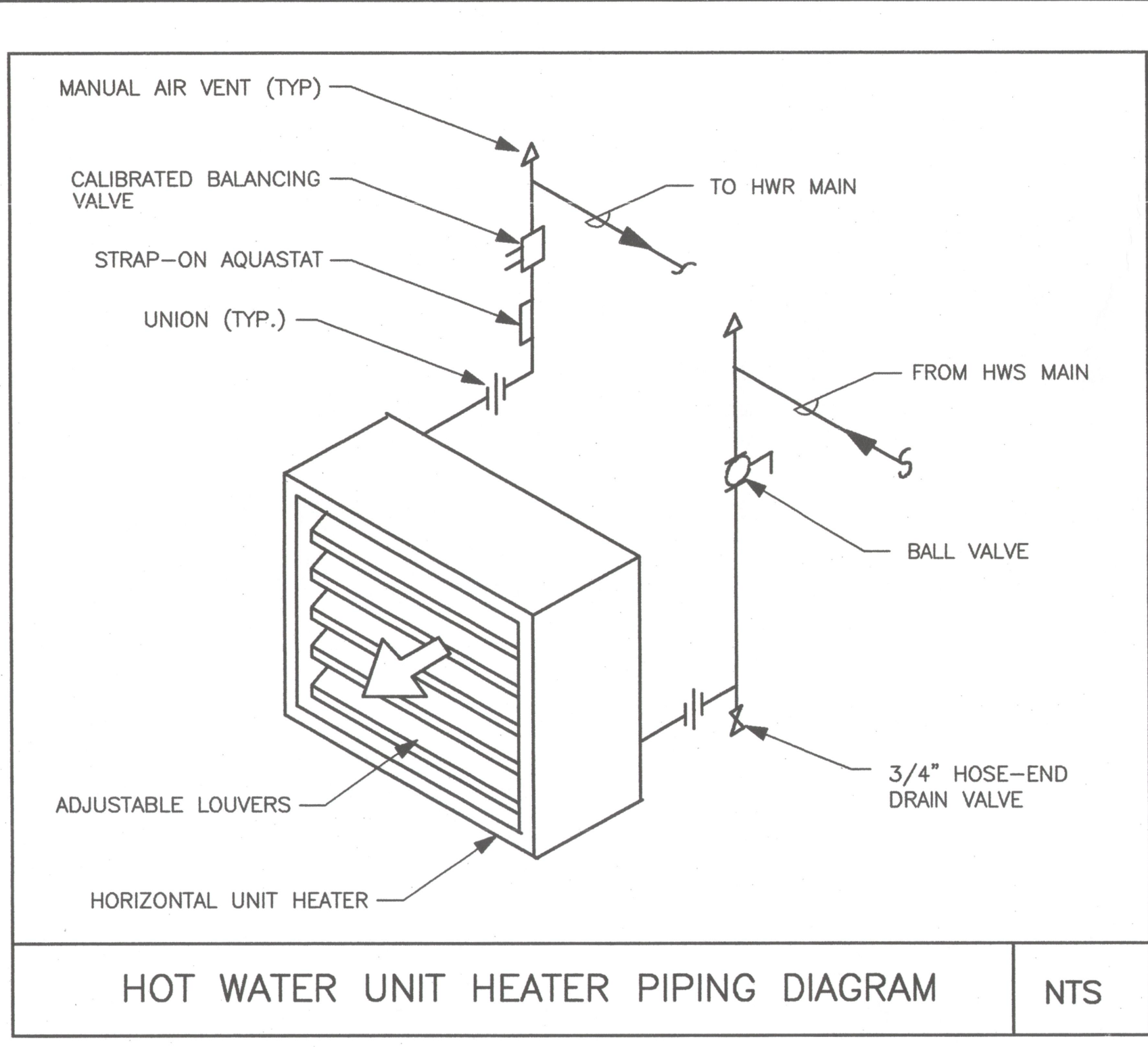
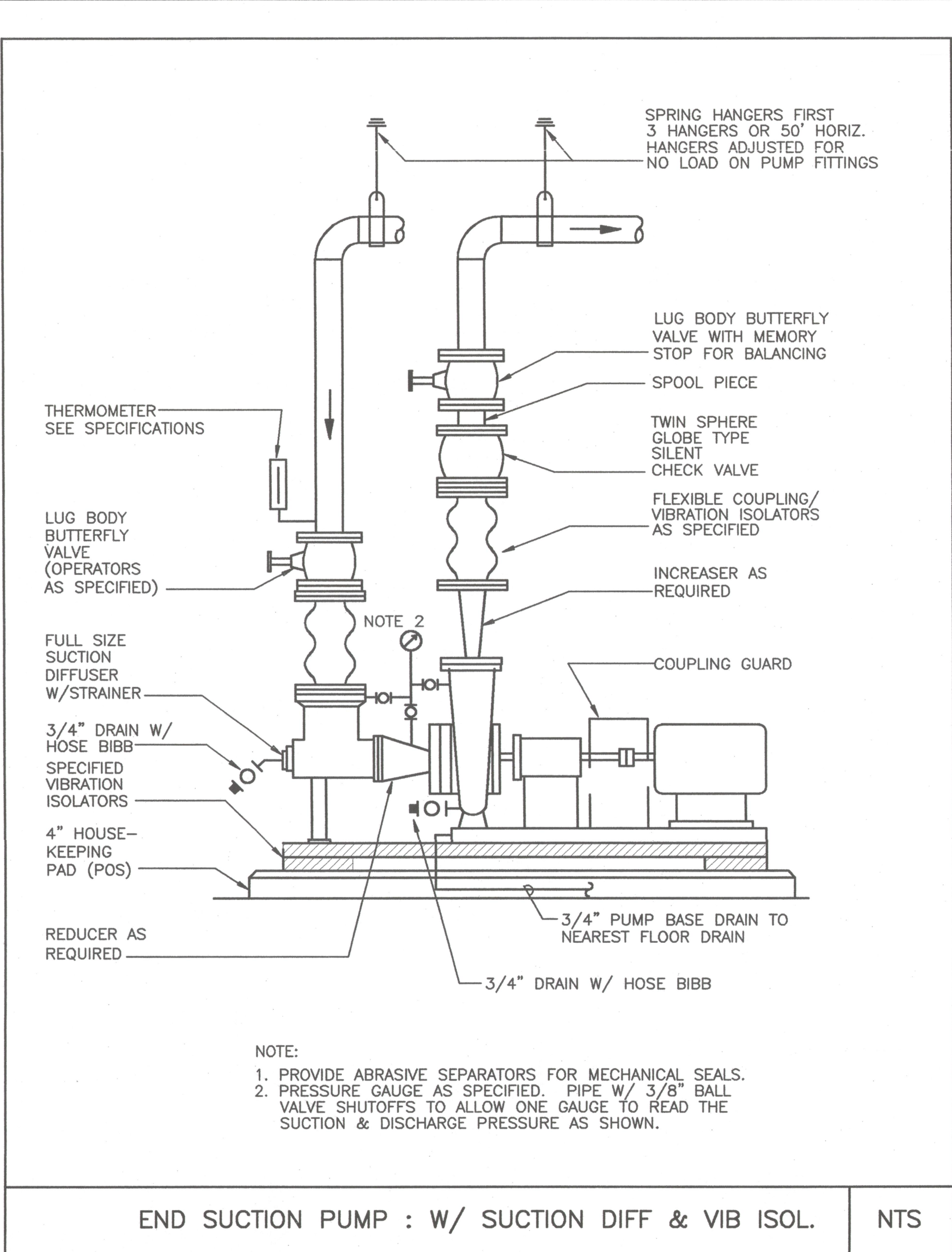


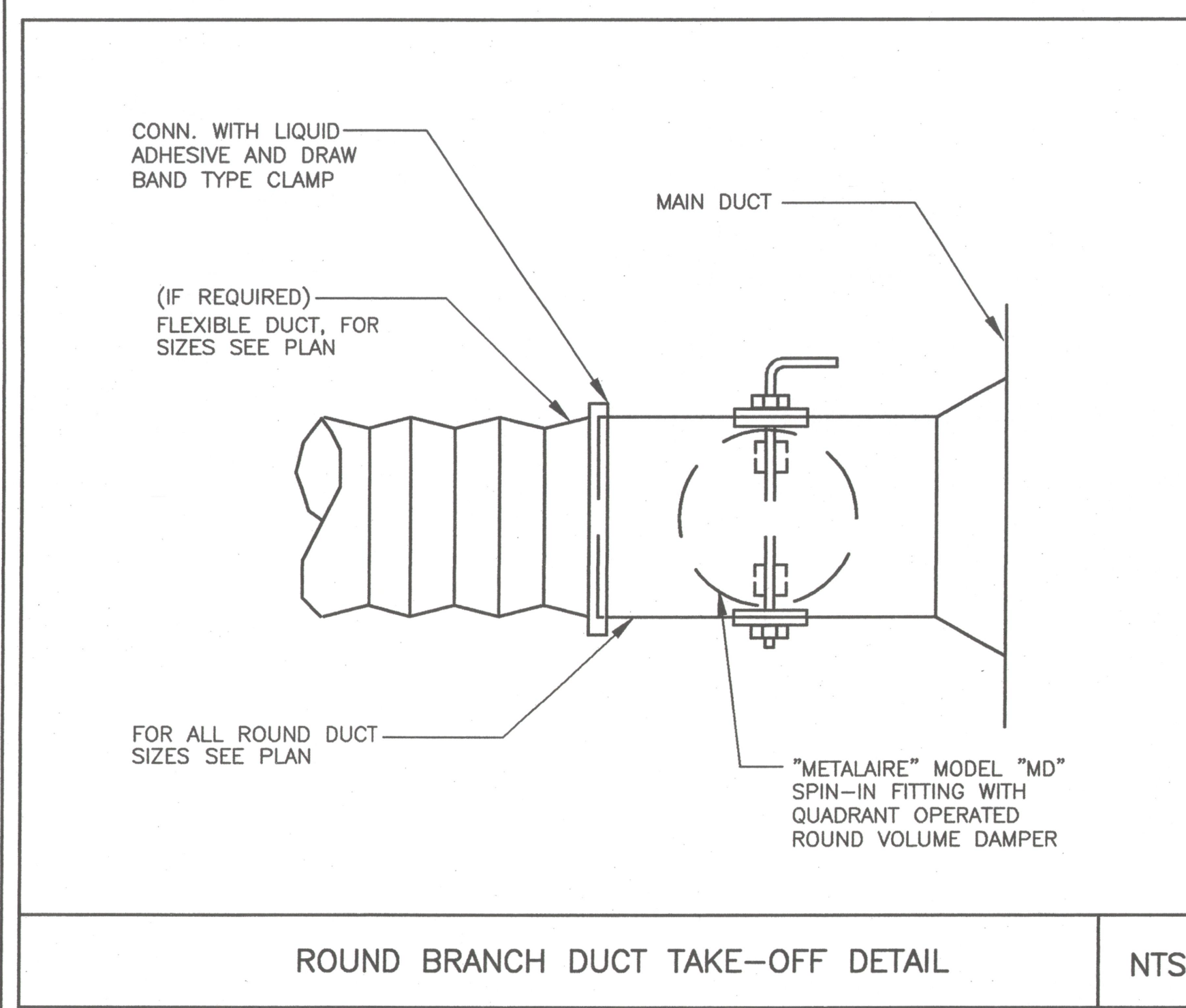
ELEVATOR HOISTWAY LOUVER DETAIL NTS



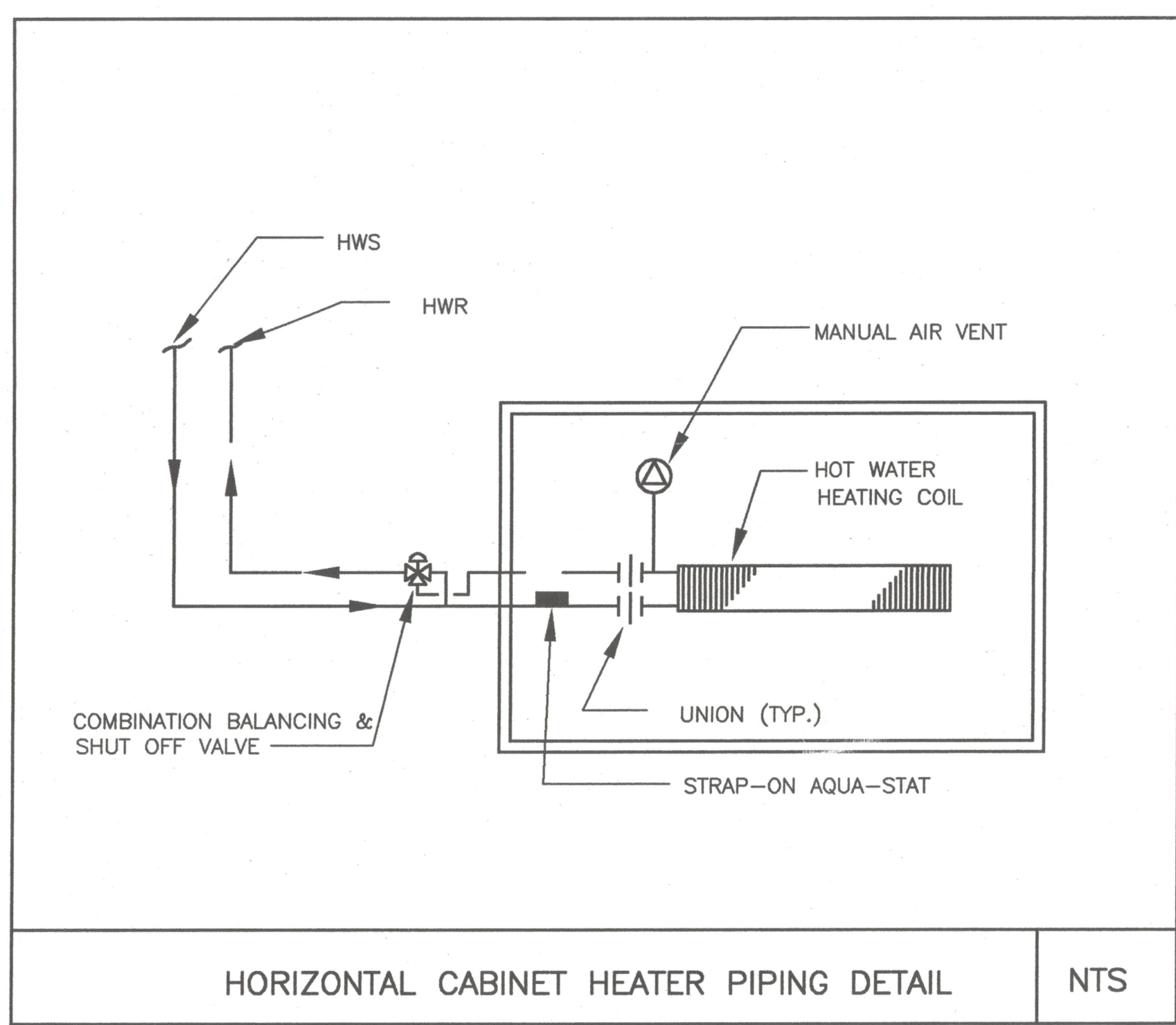
HOT WATER UNIT HEATER PIPING DIAGRAM NTS



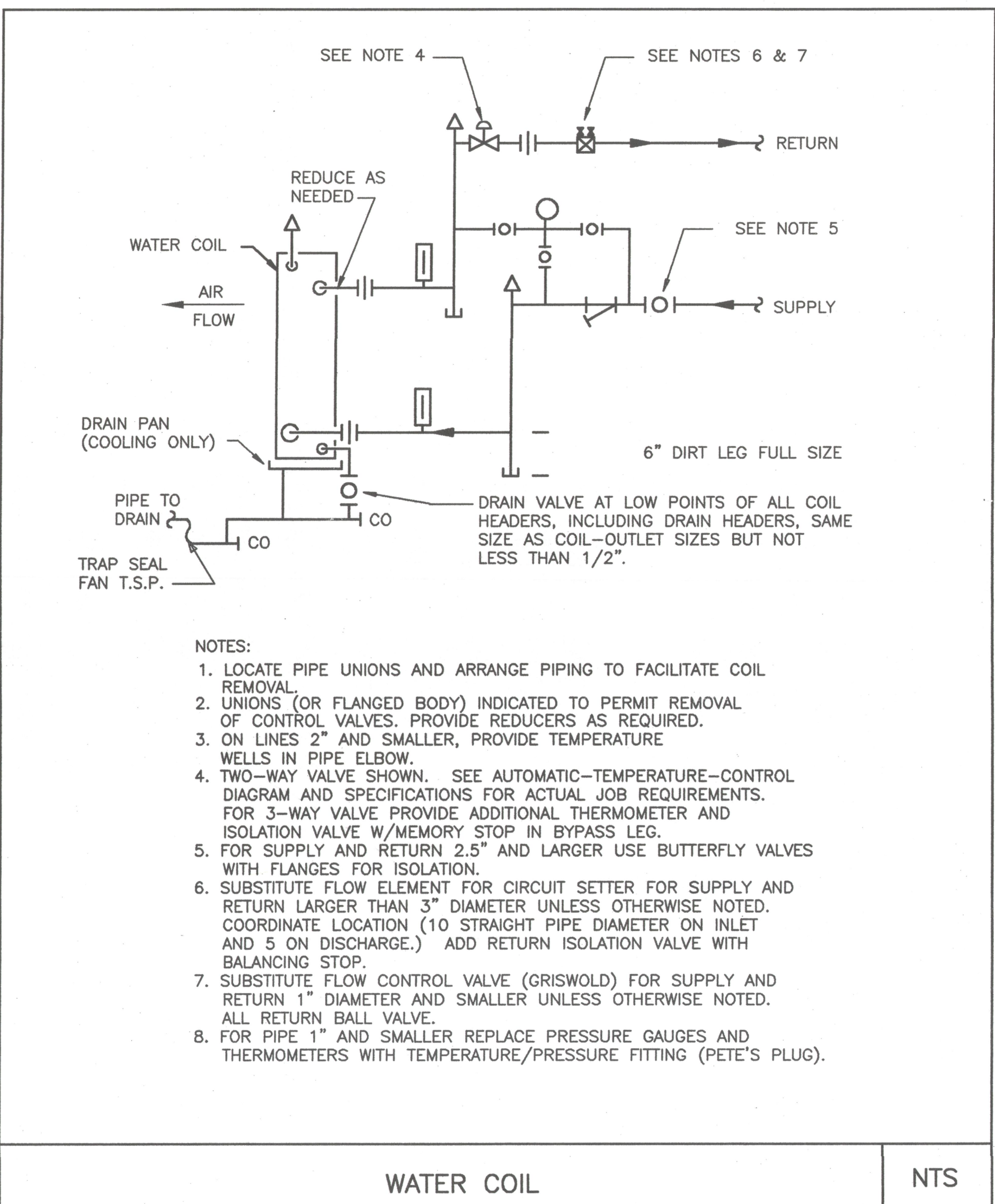
END SUCTION PUMP : W/ SUCTION DIFF & VIB ISOL. NTS



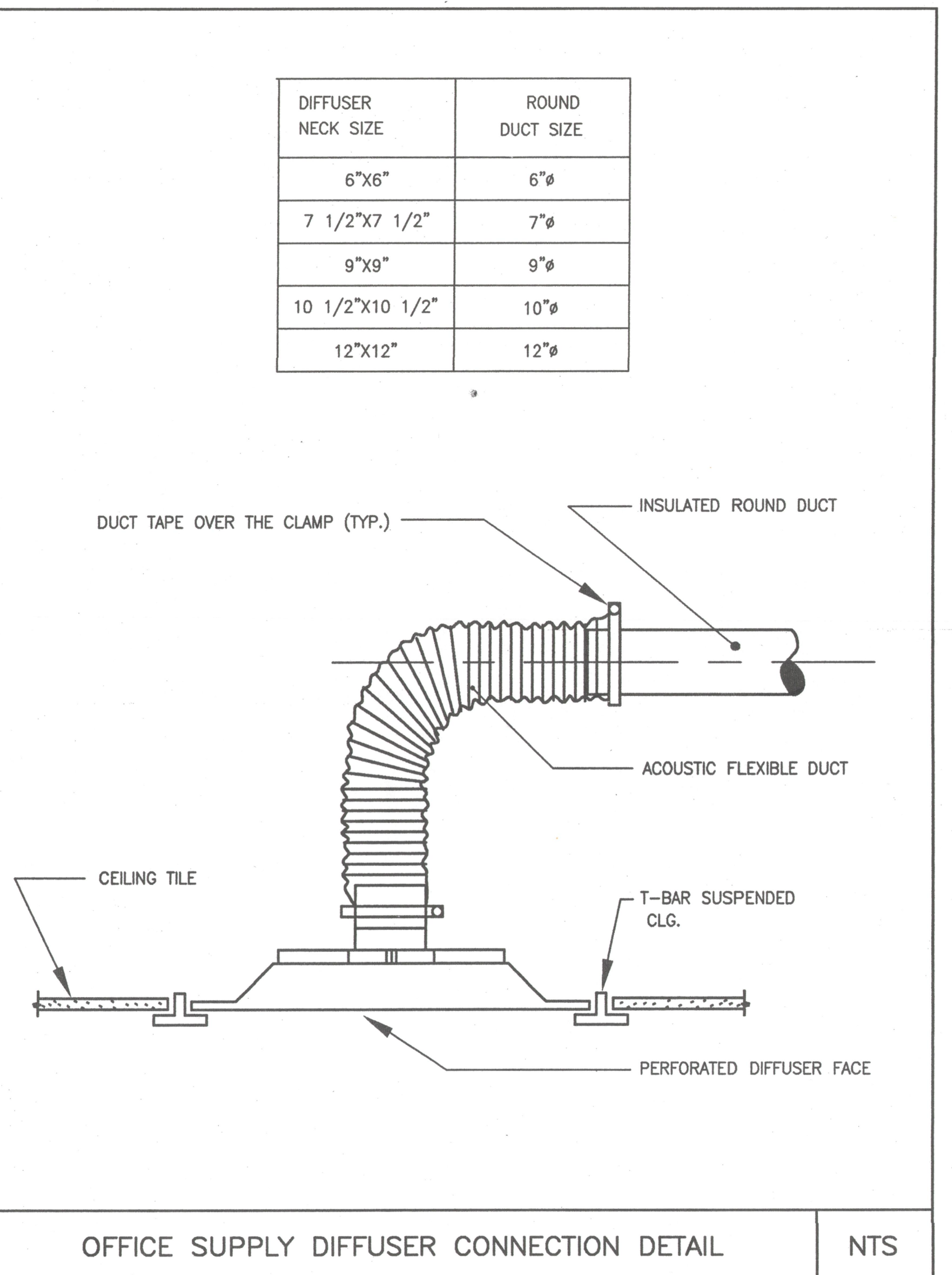
ROUND BRANCH DUCT TAKE-OFF DETAIL NTS



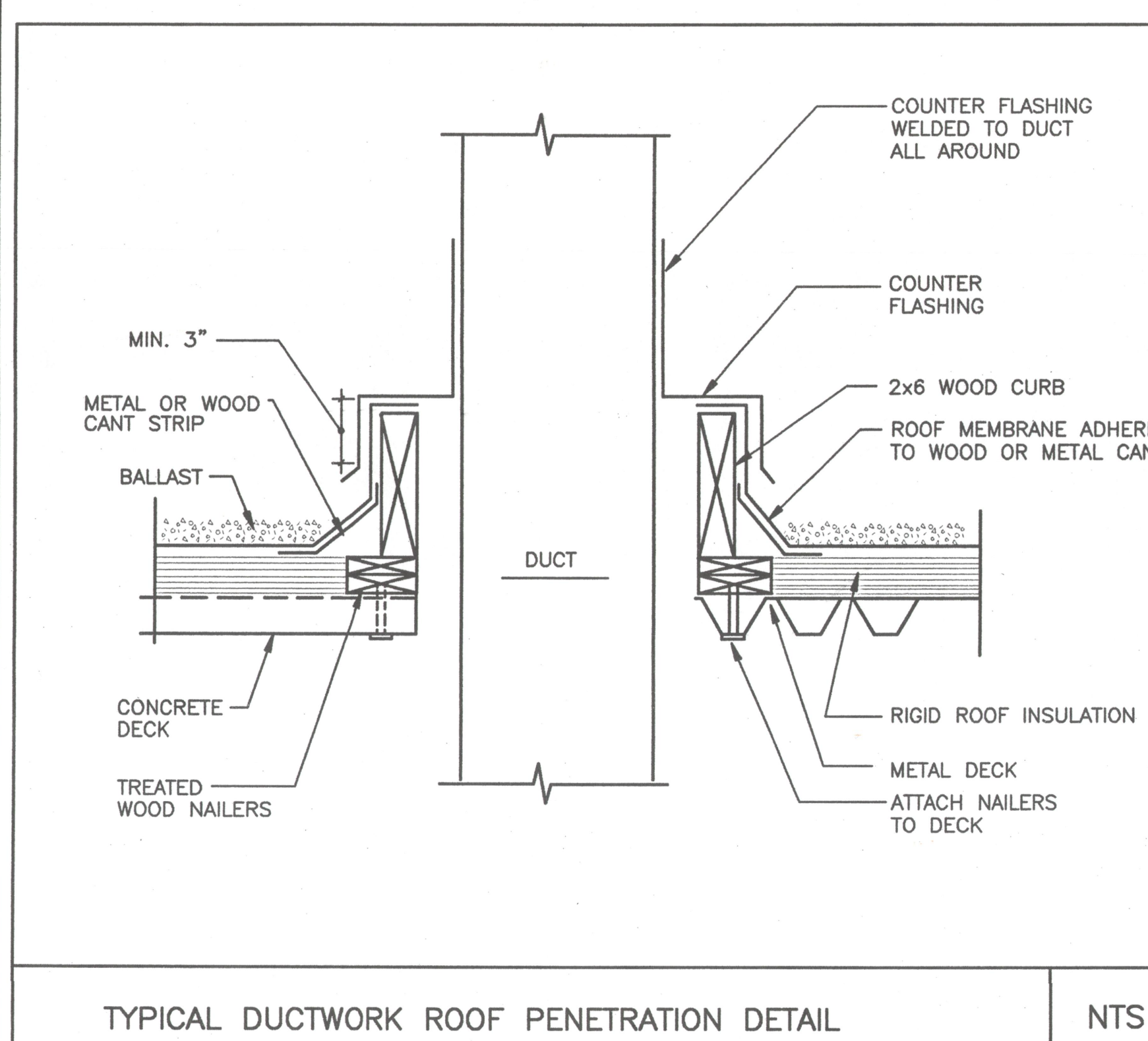
HORIZONTAL CABINET HEATER PIPING DETAIL NTS



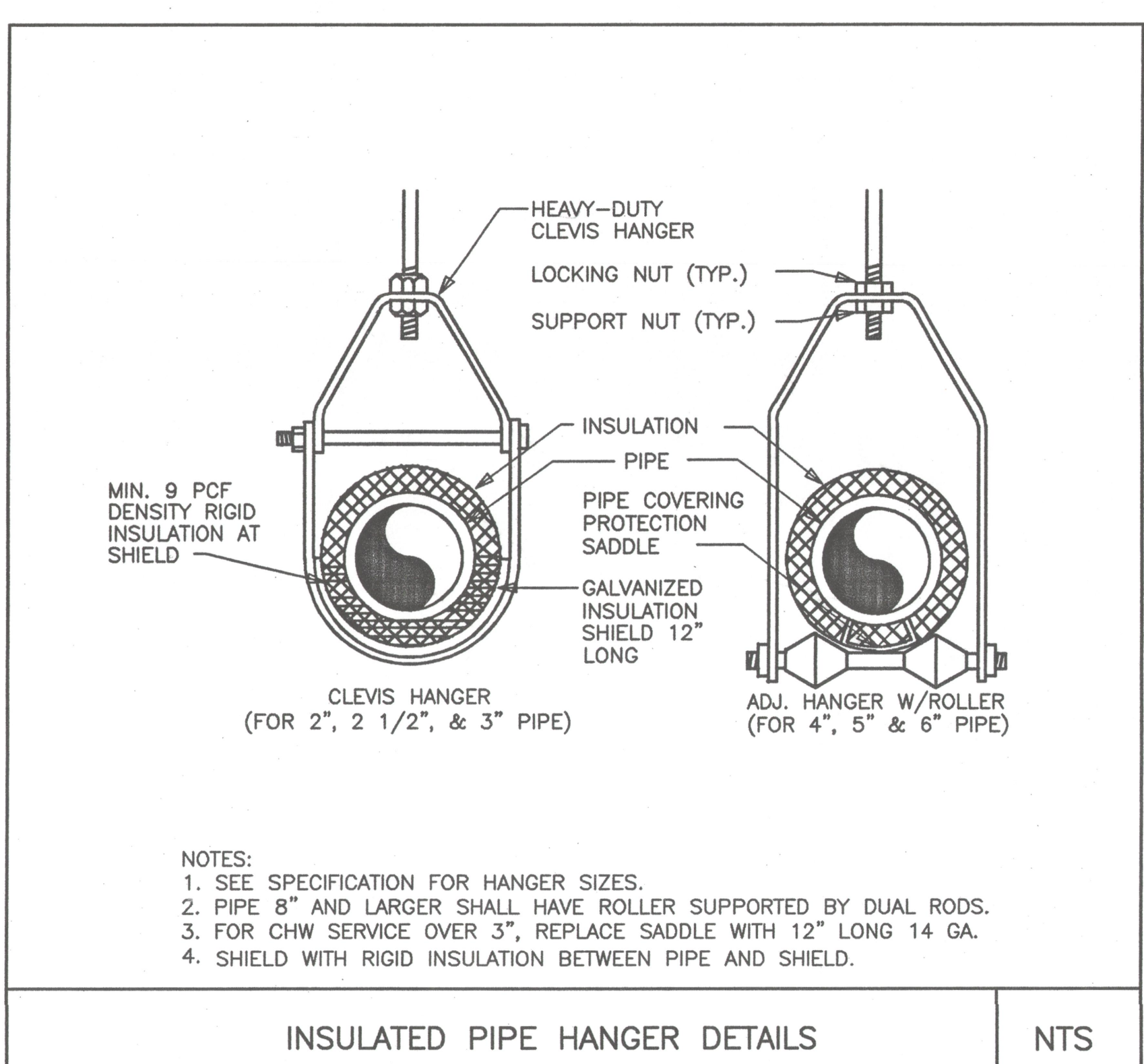
WATER COIL NTS



OFFICE SUPPLY DIFFUSER CONNECTION DETAIL NTS



TYPICAL DUCTWORK ROOF PENETRATION DETAIL NTS



INSULATED PIPE HANGER DETAILS NTS

NOTES:

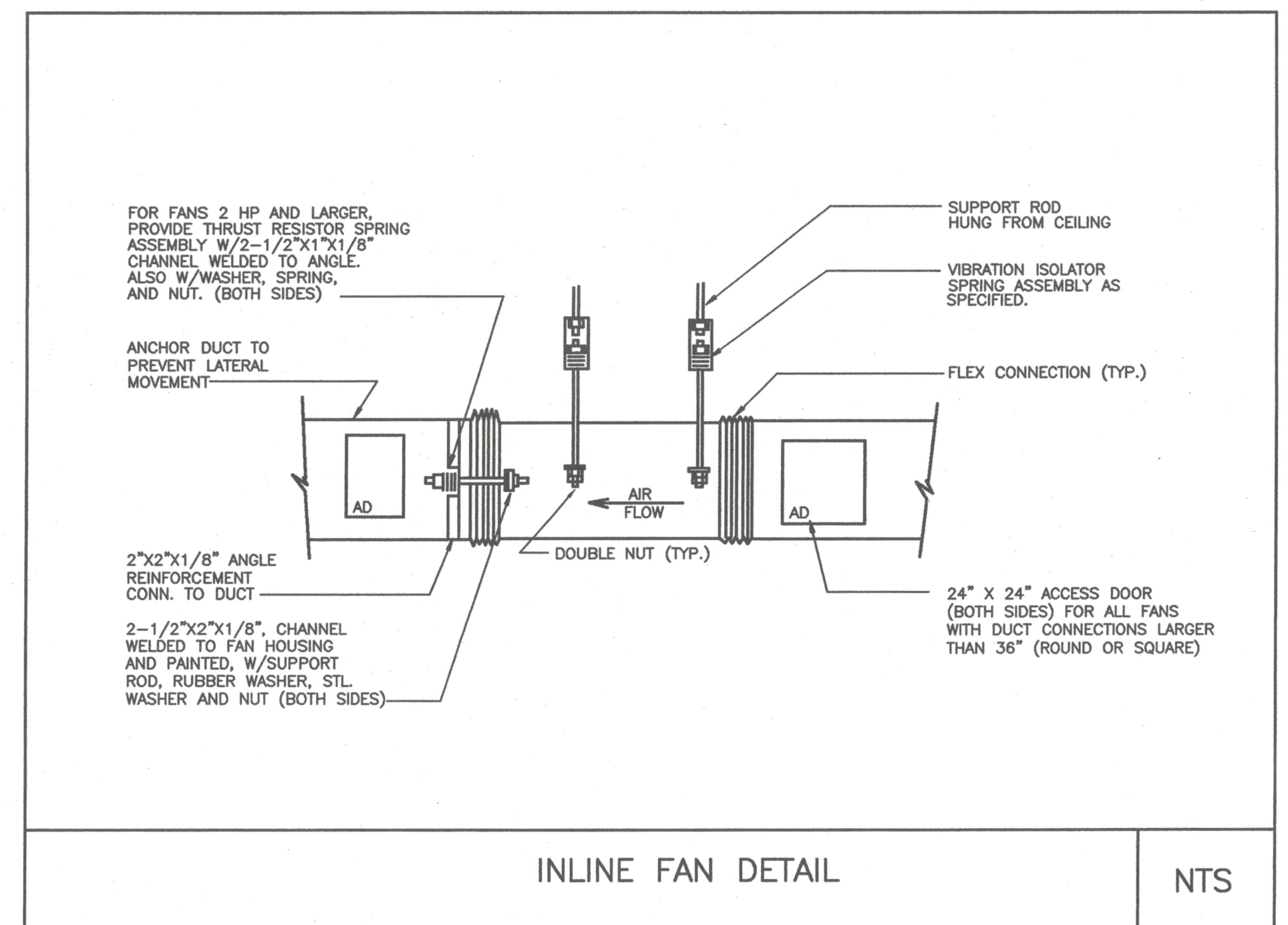
- ALL ROUND AND RECTANGULAR BELLMOUTH FITTINGS SHALL BE INCLUDED WITH THE FOLLOWING STANDARD FEATURES:
  - NEOPRENE GASKET TO MINIMIZE AIR LEAKAGE.
  - PRE-DRILLED HOLES FOR QUICK MOUNTING.
  - CONSTRUCTED OF HEAVY DUTY GALVANIZED STEEL.
- OPTIONAL FEATURES SHALL INCLUDE THE FOLLOWING:
  - 26 GAUGE GALVANIZED QUADRANT VOLUME DAMPER WITH TIGHT FITTING GASKETING TO MINIMIZE LEAKAGE AT DAMPER PIVOT POINTS.
  - HEAVY DUTY HARDWARE IS AVAILABLE FOR APPLICATIONS WITH INCREASED STATIC PRESSURE.

DUCT SIZE	HOLE SIZE	MINIMUM DUCT HEIGHT
6x4	7.5x5.5	7.5
10x4	11.5x5.5	7.5
16x4	17.5x5.5	7.5
24x4	25.5x5.5	7.5
6x5	7.5x6.5	8.5
10x5	11.5x6.5	8.5
16x5	17.5x6.5	8.5
24x5	25.5x6.5	8.5
6x6	7.5x7.5	9.5
10x6	11.5x7.5	9.5
16x6	17.5x7.5	9.5
24x6	25.5x7.5	9.5
8x8	9.5x9.5	11.5
16x8	17.5x9.5	11.5
24x8	25.5x9.5	11.5
10x10	11.5x11.5	13.5
16x10	17.5x11.5	13.5
24x10	25.5x11.5	13.5

PREFERRED TAKE-OFF FITTING: PREFERRED RECTANGULAR BELLMOUTH FITTING MODEL RBMD.

ALTERNATE TAKE-OFF FITTING: ALTERNATE 45° RECTANGULAR TAKE-OFF.

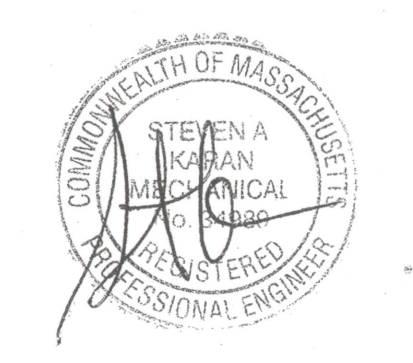
ALTERNATE RECTANGULAR BRANCH DUCT TAKE-OFF NTS



INLINE FAN DETAIL NTS

J. STEWART ROBERTS ASSOCIATES INC. ARCHITECTS

48 GROVE STREET SOMERVILLE, MA 02144-2500



BER BUILDING ENGINEERING RESOURCES, INC. 28 Main Street, Bldg. 2A No. Easton, MA 02335

Revisions:


BOXFORD TOWN HALL Boxford, Massachusetts

Sheet Title: Mechanical Details  
Date: 01 Mar 02 Drawn By: JF  
Scale: No Scale Project No.:

M8.0

