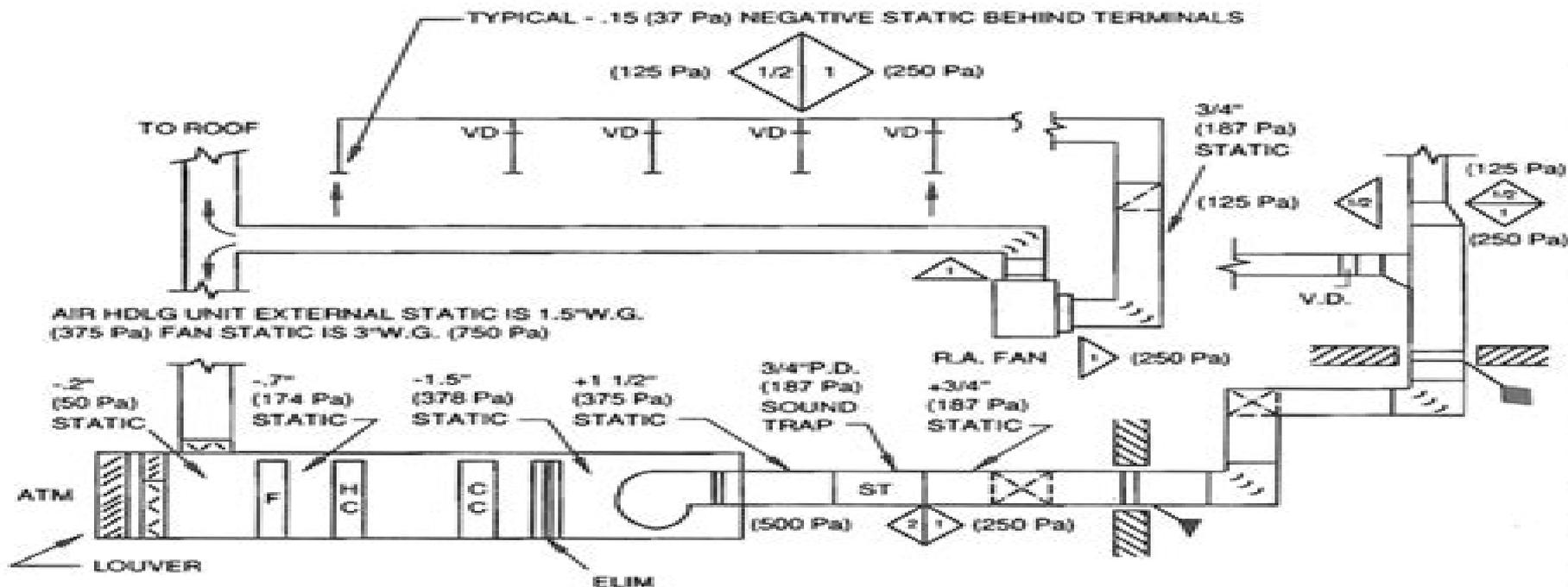
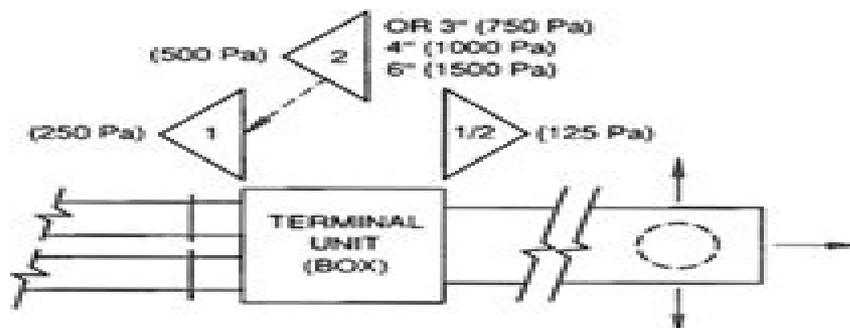
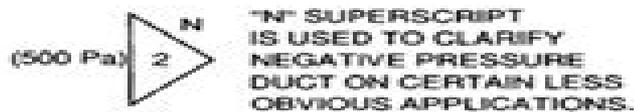
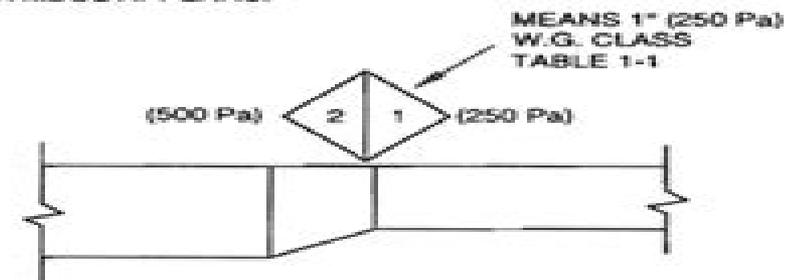


SAMPLE SITUATION WITH A TERMINAL REQUIRING .15" (37 Pa) STATIC, A BRANCH DAMPER REQUIRING .15" (37 Pa) STATIC, DUCT DESIGNED FOR .1" LOSS/100 FT (25 Pa/30 m) AND FITTING LOSSES EQUAL TO STRAIGHT DUCT LOSS THE CIRCUIT CAN BE 100 L.F. (30 m) LONG BEFORE 1/2" (125 Pa) LOSS IS EXCEEDED.



THE NUMBER ASSIGNS PRESSURE CLASS WHICH WILL ACCOMODATE MAXIMUM OPERATING PRESSURE IN THE DUCT SUBSECTION. THE SYMBOL CONTINUES THE ASSIGNMENT UNTIL THE DUCT TERMINATES OR ANOTHER SYMBOL APPEARS.



VARIABLE VOLUME UNITS, MIXING BOXES, ETC. REQUIRE A MINIMUM OPERATING PRESSURE, BUT THE DUCT SHOULD BE ASSIGNED A CLASS FOR THE MAXIMUM OPERATING PRESSURE THAT MAY OCCUR.

Smacna Duct Design

Arthur A. Bell



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The SMACNA Duct Design Calculator Sheet Metal and Air Conditioning Contractors' National Association (U.S.),1988
HVAC Systems Duct Design Sheet Metal and Air Conditioning Contractors' National Association (U.S.),1981 HVAC Systems Duct Design Smacna,2006 **HVAC Testing, Adjusting, and Balancing Field Manual** John Gladstone,W. David Bevirt,1996-12-22 Publisher s Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product Take Advantage of the Latest Guidance on the Hottest Area in HVAC As health problems related to poor indoor air quality become increasingly evident demand for better quality and efficiency in air systems is skyrocketing making HVAC testing adjusting and balancing TAB the fastest growing HVAC discipline Here is a practical nuts and bolts manual devoted to this specialty now revised and updated with new information about such vital topics as Indoor air quality Energy recovery systems Fan surge Duct leakage System performance Temperture control verification And more You ll also find new chapters on systems balancing controls clean rooms sound vibration and solutions to TAB problems as well as a chapter with a model standard for TAB cost estimating Sponsored by the National Environmental Balancing Bureau the book s clear step by step explanations will help you understand and meet requirements for testing measuring adjusting balancing troubleshooting and cost estimating TAB function for tall buildings restaurants hospitals and other institutional settings Building Technology Benjamin Stein,1996 The complete guide to building technology This comprehensive guide provides complete coverage of every aspect of the building technologist s profession It details design and installation procedures describes all relevant equipment and hardware and illustrates the preparation of working drawings and construction details that meet project specifications code requirements and industry standards The author establishes procedures for professional field inspections and equipment operations tests provides real world examples from both residential and nonresidential construction projects and makes specific references to code compliance throughout the text This new edition incorporates changes in building codes advances in materials and design techniques and the emergence of computer aided design CAD while retaining the logical structure and helpful special features of the first edition More than 1 100 drawings tables and photographs complement and illustrate discussions in the text Topics covered include Heating ventilating and air conditioning systems equipment and design Plumbing systems equipment and design Electrical and lighting systems equipment and design Testing adjusting and balancing procedures for all building systems Every aspect of the building technologist s profession from the creation of working drawings through on site supervision and systems maintenance Extensive appendices include conversion factors duct design data test report forms for use in field work design forms and schedules for electrical HVAC and plumbing work and more **Heating, ventilating, air conditioning & dehumidifying systems** ,1987 **Fundamentals of Solar Heating** Sheet Metal and Air Conditioning Contractors' National Association,1978 ASHRAE Handbook ,1996

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Fundamentals of solar heating Sheet Metal and Air Conditioning Contractors' National Association (U.S.),1978

HVAC Equations, Data, and Rules of Thumb, Third Edition Arthur A. Bell,W. Larsen Angel,2015-12-22 This comprehensive volume often called the HVAC bible has been thoroughly updated to cover the latest code changes equipment and techniques HVAC Equations Data and Rules of Thumb 3e offers all of the information an HVAC student or professional needs in one resource The book thoroughly explains the expansion of piping systems and temperature limitations of new materials such as polyethylene polypropylene PVC CPVC and PEX Detailed information is included for all types of facilities including offices hotels hospitals restaurants commercial spaces and computer rooms This practical handbook reflects all the latest code changes including the ASHRAE standards and explains how to interpret and put them to use It includes completely updated coverage of new pumps chillers air handling units cooling equipment boilers and pipe material You will get complete coverage of sustainability organizations that have become more important since last edition including LEED USGBC Energy Star Features hundreds of equations and rules for everything from ductwork to air handling systems Includes a brand new chapter on sound vibration and acoustics Contains an updated list of equipment manufacturers for all products featured

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