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Northern California/Hawaii NEBB Chapter

President’s Message
By Jason Huffman

As the years speed up and the whirlwind of life and work continue, I look back at each year I have been involved, as a NEBB volunteer, and realize it has been a privilege and a pleasure to work with our late NEBB leadership and friends Bill Jeffrey, Vic Congi, and Bill Edwards. We can only hope that the next generations of leaders will emerge from the field and strive to influence the industry with the same passion and integrity. I would like to thank Steve Smith for his many years and hours given to help the chapter to continue to grow and progress as he moves out of the Past President Position and we all will be watching Amber Ryman as well, with anticipation, as she continues to grow in her roles with NEBB national leadership and thank her as she steps out of the President’s role locally.

I would like to start this new year strongly recommending the progression for each NEBB company to increase the bar of quality, integrity and good old fashioned hard work for each of their team members. One of the best ways to accomplish this is by pressing for technicians who have at least three years of field experience to prepare and take the NEBB technician exam. To show to themselves and their peers not only recognition of what they have learned and accomplished, but also their desire for the reputation of our trade of TAB/Cx to grow as necessary and valuable team members to any and all construction project that will need our influence and expertise. Those who are leaders and have more experience, let’s prepare them and challenge them to be the next Certified Professionals to take on the responsibility of quality control and leadership, through education, of their peers and team members. Help them see the rewards of taking it to the next level and further enriching themselves, their careers with this industry.

With opportunities for collaborative success increasing all around us, 2020 is an exciting time for NEBB and the TAB/Cx industry. A robust economy and an ever-growing need for TAB/Cx expertise in a thriving construction market are creating tremendous opportunities to leverage the benefits of experienced, certified technicians, professionals, and organiza-
tions. The use of design-build delivery maintains steady growth year after year as well as facility maintenance and retro-commissioning. Technology is becoming more critical to enhance collaboration with other trades, interact as team members with facilities and solidify individual NEBB members careers into the future.

All of these factors together culminate into great opportunities for NEBB certified companies to cohesively drive growth and sustainability by utilizing the innovation, collaboration and training with best practices of TAB and Building Systems Commissioning. I want to thank those who continue to volunteer and those who have newly joined in the NEBB volunteer mix. Without help the chapter would have a hard time continuing on as anything more than just a certificate. I look forward to more interaction between firms and individuals this year and if you are looking for anything from the chapter like education or support in anyway please speak up. If membership does not ask, NEBB does not know the need!

Thank you

Jason Huffman
NorCal Hawaii NEBB Chapter President.
Pulleys
Adjusting airflow of a fan with fixed pitch pulley is done by changing the pulley.

Adjusting airflow of a fan with Variable Pitch Pulley, VPP is done by adjusting the sheaves. Adjustments are made by half cycle, each half cycle represents an operating position, OP.

Diameter Gauge
Precision instrument to read the diameter of pulleys.

Pulley GPS
Combined analog/digital instrument to read the operating position, OP of a VPP, belt size and bore.

Operating Data
Chart To navigate airflow between pulleys and all the operating positions, OP of a variable pitch pulley as well as to validate accurate belt use.

Change Fan Speed In 3 Easy Steps
Do More In Less Time Accurately

Example—
Typical Fan Issue
Design  = 4800 CFM
Current  = 4250 CFM
Increase by  = 550 CFM or 11%
Pulley Type = Variable pitch

Data Obtained by measurement
Pulley Size = 5.35 (5.4")
Pulley OP = #6
Belt = Size B

Step 1
Read diameter of the pulley

Step 2
Read operating position and belt size

Step 3
On 5.4" VPP Operating Data Chart locate OP #6 (intersection of OP #6, red cell)
At OP #6 go left to increase airflow
The flow can only be increased 10% or 13%
For 13%, close the sheaves by 5-half cycles to OP# 2. For 10% close it by 4-half cycles to OP # 3
Finally, check the belt for adequacy. From the Belt Color code, belt B is adequate at OP #2 and #3

That is it. You are done. It just doesn't get any easier to change fan speed, you save time and make more money

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Northern California/Hawaii Chapter

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WHAT ARE YOU WAITING FOR?
GET YOUR PRODUCT OUT THERE AND ADVERTISE

INTERESTED IN ADVERTISING WITH US?
CONTACT US TODAY FOR MORE INFO AT:
akearns@nocalhawaiinebb.org
Registration is Now Open. Go to: www.nebb.org to register.
Effective January 1, 2020, all Cleanroom Performance Testing (CPT) projects are required to have a Certified Technician performing testing.

Does your firm satisfy this requirement?

For more information on NEBB’s CPT certification program, be it for the CPT CT or the CPT CP, please contact certification@nebb.org.

Please note: One must first complete the full certification process for the CPT CT certification before applying for the CPT CP certification.
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Northern California/Hawaii
NEBB Chapter Annual Meeting

The 2020 Chapter Annual Meeting has been scheduled for October 2, 2020 at the Monterey Plaza Hotel & Spa in Monterey, California.

Mark Your Calendars!
WHAT DO YOU KNOW ABOUT TITLE 24?

DO YOU KNOW THAT NEBB IS AN APPROVED MECHANICAL ACCEPTANCE TEST TECHNICIAN CERTIFICATION PROVIDER?

WHAT IT IS

Mandated by the California Energy Commission, the Title 24 program states that only a mechanical Acceptance Test Technician (ATT) certified by a Certification Provider may perform testing for HVAC systems and controls when the mechanical equipment is required to meet specific energy efficient processes. This Building Energy Efficiency Standard applies to all newly constructed buildings, additions, and alterations.

Technicians have been required to perform acceptance testing for nonresidential buildings since the enforcement of the 2005 Building Energy Efficiency Standards, and have had the opportunity to become trained and certified in performing and documenting acceptance testing for lighting controls and mechanical systems for nonresidential buildings since 2013.

WHY IT MATTERS

- Once an Employer is Certified and has Certified Technicians, they may perform Title 24 testing for the forms in which they are Certified, meaning greater opportunities and potential work.

- Technicians that are not certified when the final date is announced will no longer be able to download the forms for completion. Inspectors will refuse all Non-Certified forms, in turn, holding up the final permitting process which is essential to building turnover and end-user occupation.

- Contractors that cannot submit Certified forms and are found to be holding up the Temporary Certificate of Occupancy can also face costly contract fees.

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Calendar of Events

CLEANROOM PERFORMANCE TESTING SEMINAR
March 9-11, 2020
All Day Event
NEBB TEC
Gaithersburg, MD
Registration is now open. Log onto www.nebb.org to sign up or to receive more information. Deadline is February 24, 2020

BUILDING ENCLOSURE TESTING SEMINAR
March 30-31, 2020
All Day Event
The Greenbrier Resort
West Virginia
Registration is now open. Log onto www.nebb.org to sign up or to receive more information. Deadline is March 16, 2020

BUILDING SYSTEM CXCT SEMINAR
May 31 – June 2, 2020
All Day Event
NEBB TEC
Gaithersburg, MD
Registration is now open. Log onto www.nebb.org to sign up or to receive more information. Deadline is May 15, 2020

CLEANROOM PERFORMANCE TESTING SEMINAR
September 21 - 23, 2020
All Day Event
NEBB TEC
Gaithersburg, MD
Registration is now open. Log onto www.nebb.org to sign up or to receive more information. Deadline is September 7, 2020

SOUND AND VIBRATION MEASUREMENT SEMINAR
September 28 - October 2, 2020
All Day Event
Total Dynamics Balance
Deerfield Beach, FL
Registration is now open. Log onto www.nebb.org to sign up or to receive more information. Deadline is September 14, 2020

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