DUST COLLECTION SYSTEM with Return Air

The existing Dust Collection System must be removed and replaced. The Dust Collection System being provided must be designed according to:

NFPA 68 –Standard on Explosion Protection by Deflagration Venting

NFPA 69 –Standard on Explosion Prevention Systems

NFPA 72 -National Fire Alarm and Signal Code

NFPA 654 –Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids

NFPA 664 –Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities

O.Reg. 332/12 –Ontario Building Code

O.Reg. 213/07 –Ontario Fire Code

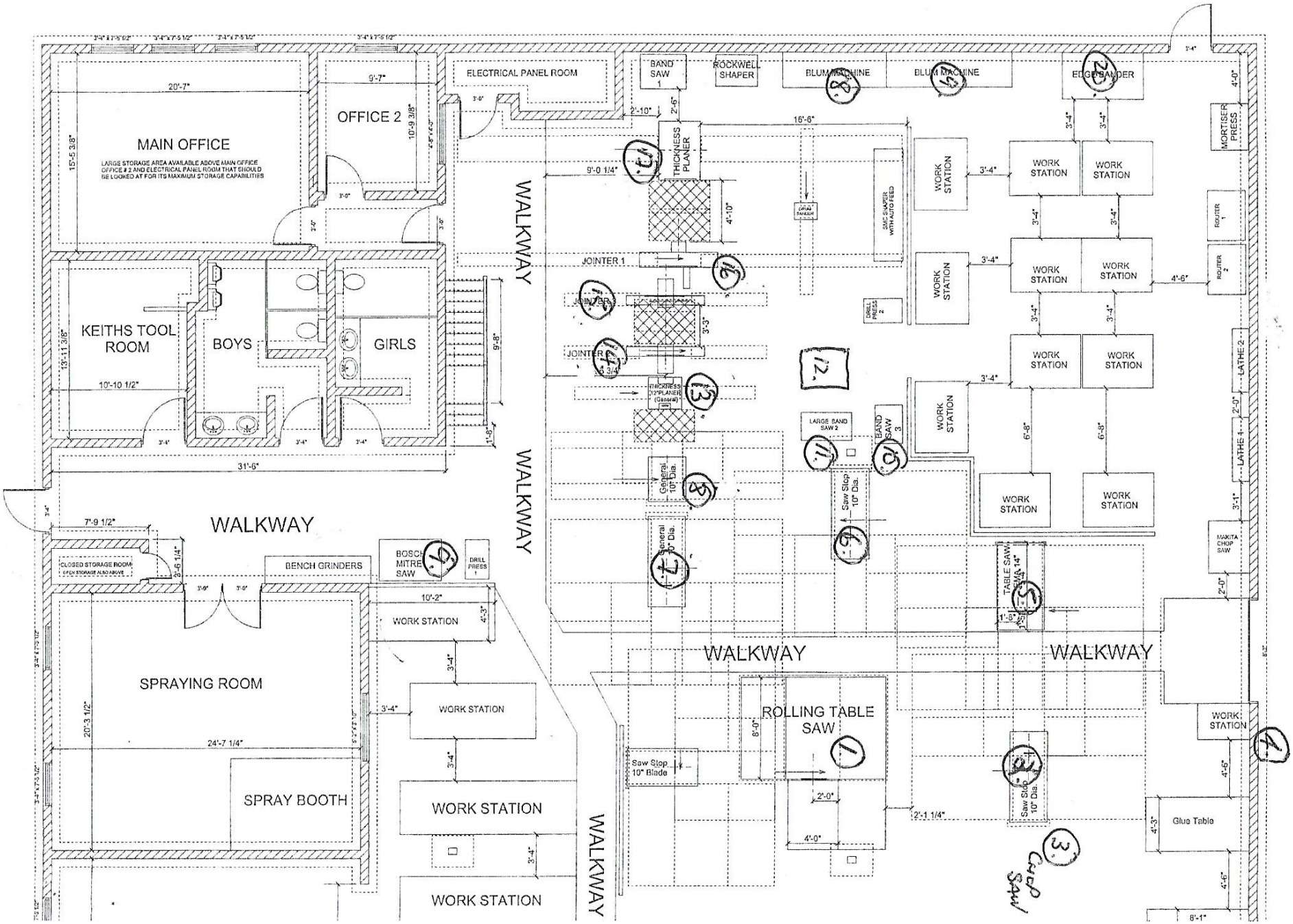
You will find that these standards refer to each other.

The existing ducts must be removed and replaced with a system that will meet the airflow and duct diameter requirements of “Industrial Ventilation: A Manual of Recommended Practice” (by ACGIH) for each piece of equipment. The total system must allow for future expansion of the woodworking tools. 12,000 CFM is recommended. A shop layout is attached for your personal assessment and notes.

A complete hazard assessment per NFPA 652 must be complete and submitted to Georgian College for review. The completion of this risk assessment will ensure an adequate, safe and reliable system is designed, constructed and installed.

A completed Pre-Start Health and Safety Review (PSHSR) report, completed and stamped by a professional engineer must be submitted to Georgian College at the completion of the project. Any deficiencies noted in the PSHSR are the responsibility of the vendor. Modifications to achieve compliance must be appropriately documented and provided to Georgian College.

Please feel free to gather information required to complete your quotes now or book a separate visit with Kelly Balcom 705-728-1968


MAIN OFFICE
LARGE STORAGE AREA AVAILABLE ABOVE MAIN OFFICE OFFICE # 2 AND ELECTRICAL PANEL ROOM THAT SHOULD BE LOOKED AT FOR ITS MAXIMUM STORAGE CAPABILITIES
OFFICE 2
ELECTRICAL PANEL ROOM
KEITHS TOOL ROOM
BOYS
GIRLS
WALKWAY
WALKWAY
WALKWAY
WALKWAY
WALKWAY
WALKWAY
CLOSED STORAGE ROOM
OPEN STORAGE ALSO ABOVE
BENCH GRINDERS
BOSCH MITRE SAW
DRILL PRESS 1
SPRAYING ROOM
SPRAY BOOTH
WORK STATION
WORK STATION
WORK STATION
WORK STATION
BAND SAW 1
ROCKWELL SHAPER
BLUM MACHINE
BLUM MACHINE
EDGE BANDER
THICKNESS PLANER
JOINTER 1
JOINTER 2
JOINTER 3
THICKNESS 12"PLANER (General)
General 10" Dia.
General 10" Dia.
Saw Stop 10" Blade
ROLLING TABLE SAW
LARGE BAND SAW 2
BAND SAW 3
Saw Stop 10" Dia.
Saw Stop 10" Dia.
TABLE SAW
DRILL PRESS 2
SAND SHAPER WITH AUTO FEED
DRUM SANDER
WORK STATION
WORK STATION
WORK STATION
WORK STATION
WORK STATION
WORK STATION
WORK STATION
WORK STATION
WORK STATION
WORK STATION
WORK STATION
WORK STATION
MORTISER PRESS
ROUTER 1
ROUTER 2
LATHE 2
LATHE 1
MAKITA CHOP SAW
Glue Table
Cross Saw