



ADVISORY BULLETIN

November 2012

(Updated March 2016)

Subject:

Paint Spray Booths – Building Permit Requirements

Advisory:

Plans shall indicate the nature and extent of work in sufficient detail to establish that the work will conform to the Alberta Building Code. (Div. C 2.2.2.1)

Plans must be drawn to scale and show the following information:

- Professional engineer's stamp – Refer to Div. C 2.4.2.1.(9) –required for all unlisted booths
- Statement noting that the booth has been designed to NFPA 33 (2011) and the 2014 ABC
- Location and dimensions of the booth in the tenant space (show overall tenant space)
- Clearance from booth to adjacent walls (show dimensions)
- Construction of adjacent walls (e.g. concrete block, 1 hour rated drywall and steel stud wall etc),
- Make and Model # of the booth if applicable,
- Type of booth (enclosed, open face etc),
- Type of spray (non-electrostatic etc)
- Type of suppression system and the standard that the suppression system will be designed to (NFPA 13, NFPA 12, 16, 17 or 2001)
- Heating and Ventilation information – the spray booth ventilation must be evaluated in relation to the rest of the ventilation requirements in the tenant space.
 - a) Make up Air (MUA) unit type and capacity – air volume, heating capacity and unit weight
 - b) Exhaust system type and capacity
 - c) Statement that MUA and exhaust are interlocked

Verification

After the Booth is installed/constructed – verification information must be submitted to the field SCO at time of inspection.

- Provide verification that the suppression system has been installed as required by NFPA 33 (2011) and the specific referenced standard (e.g. NFPA 17). Generally,

this verification must be stamped by a professional engineer. Refer to Standata 06-BCI-001-R1 (or as updated for the 2014 ABC) for instances when a stamp is not required.

- Provide verification that the roof structure is capable of supporting the new MUA if required by the field SCO or noted on the building permit conditions. Verification must be stamped by a professional engineer.
- Provide verification that the booth has been installed and constructed as required by NFPA 33 (2011) and the 2014 ABC. Verification must be stamped by a professional engineer if the booth is unlisted.

Additional Permits Required

Mechanical Permit, Electrical Permit, Plumbing Permit (may be applicable), Gas Permit, Automatic Fire Extinguishing Permit (AFE) for suppression systems other than automatic sprinklers

Calgary Building Services
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