



## **BST&G Fire Department Specific Provisions related to the 2011 Ohio Fire Code**

These specific provisions are placed to explain the specific requirements for BST&G Fire District, Delaware County, Ohio under **1301:7-7-01 Section 101.6 Minimum Standards** of the **2011 Ohio Fire Code**.

### **Applications**

1. Per **2011 Ohio Fire Code Section 104.2. Applications**
2. Per **2011 Ohio Fire Code Section 104.2 – 104.2.2** The BST&G Fire Code Official, shall participate in plans review.

### **Acceptance Testing**

3. Acceptance test- The responsible person shall notify the fire code official a minimum forty eight hours (48hrs) prior to be present to witness the acceptance test.

### **Final Inspection**

4. Final inspection – The responsible person shall notify the fire code official a minimum of seventy – two hours (72hrs.) in advance to conduct a final inspection.
  - **The \$300.00 construction inspection permit is required to be paid prior to scheduling a final inspection.**

### **Construction Documents**

5. Per **2011 Ohio Fire Code Section 105.4.1 105.4.2 Submittals (one each)**

**Paper Media;** of one (1) full set of shop drawings 11” X 17” of standard engineered scale (1:10,1:20,1:30,1:40,1:50,1:60) shall be of sufficient clarity to indicate the location, nature, and extent of the work proposed and show in detail that it will conform to the provisions of this code, relevant laws, and specific provisions.

**Electric Media;** One (1) Auto CAD base drawing w/ TIFF image of each sheet, in PDF or Jpeg on Compact Disc in a hard plastic protective (jewel) case.

## **Section 407 Hazard communications**

6. Per **2011 Ohio Fire Code Section 407.2 Material Safety Data Sheets or Flash drive.** Location shall be approved by the Fire Prevention Bureau, prior to installation.

## **Section 408 Use and occupancy-related requirements**

7. Per **2011 Ohio Fire Code Section 408.11.2 Tenant Identification.** The letters shall be four inches (4") in height and one half inch (1/2") in stroke width, contrasting and reflective.

## **Section 503 Fire Apparatus Access Roads**

8. Per **2011 Ohio Fire Code Section 503.2.3 Surface.** Fire apparatus access roads shall be designed and maintained for an imposed load of seventy thousand pounds (70,000#) on 4 stabilizer jacks with a total of seven hundred eighty eight square inches (788 sq./in.) the surface shall be constructed of no less the hard packed aggregate during construction. In all cases the installed road base shall support the required loading.

**Prior to occupancy** the final surface shall be in place.

9. Per **2011 Ohio Fire Code Section 503.2.4 Turning Radius.** Shall be Forty-Seven feet (47') outside and Twenty Seven feet (27') inside.

10. Per **2011 Ohio Fire Code Section 503.2.7 Grade.** All roads and/or apparatus access shall have a maximum grade of ten percent (10%)

11. Per **2011 Ohio Fire Code Section 503.2.8 Angle of approach and departure.** Shall be ninety degrees (90°) and maximum ten percent (10%) grade.

12. Per **2011 Ohio Fire Code Section 503.3 Marking.** Shall be 12 inch by 18 inch signs placed on both sides of the fire lane, with signs on both sides of each sign post or holder at a maximum of every three hundred feet (300') "No Parking Fire Lane". Curb painting and fire lane striping shall also be permitted. Adhering to local zoning requirements.

13. Per **2011 Ohio Fire Code Section 503.4 Obstruction of a fire apparatus access road.** This code shall also be enforced during the construction phase.

14. Per **2011 Ohio Fire Code Section 503.6 Security Gates.** Shall be equipped with a Knox Box® key switch for emergency operations or other method approved by the Fire Prevention Bureau.

## **Section 505 Premises Identification**

15. Per **2011 Ohio Fire Code Section 505.1 Address Numbers**. Shall be a minimum of four inches (4") in height and one half inches (1/2") stroke width contrasting to the background, reflective and shall be located on both the front and back door.

**Multiple door single address buildings** exceeding five thousand square feet (5,000 sq. /ft.) shall have all doors labeled A through Z, Door "A" shall be the main front door where the fire alarm and Knox Box® is located, and shall proceed clockwise around the building, with four inch (4") in height and one half inch (1/2") wide stroke, and shall be contrasting to the background and reflective. The inside letters shall be no more than twenty-four inches (24") off finish floor. This shall be all doors including dock doors.

## **Section 506 Key boxes**

16. Per **2011 Ohio Fire Code Section 506.1 when required. All commercial** buildings, each tenant space, and all sprinkler room door shall be equipped with a minimum of a 3200 Series hinged door Knox Box. ® In all cases the Knox Box® shall be located to the right Side of the main front door, sixty inches (60") Off Finished Grade (OFG) to the top of the box. The BST&G Fire Prevention Bureau Shall approve the location prior to installation.

**506.1.1 Locks** – Shall be Knox Locks® per 2011 Ohio Fire Code Section 506.1.1 Except for post indicator valves which shall be break-a-way type lock.

## **Fire Hydrants –Other than Single family residents.**

17. Per **2011 Ohio Fire Code Section 507.5.1 Where required**. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than three hundred feet (300') from a fire hydrant. Additional on site fire hydrants shall be placed at a maximum of every Three Hundred feet (300') (Based on the required fire flow calculations) around the facility on the fire apparatus access road, and with in Fifty Feet (50') of intersecting streets or roads, within one hundred fifty feet (150') of the terminus of a dead end, stub street or cul-de-sac.

Fire hydrants shall be installed, inspected, and accepted per **2009 NFPA 24** as referenced in **1301:7-7-47 of the 2011 Ohio Fire Code** . In addition Del-Co Water Company specifications, approval and acceptance test shall also apply. Del-Co Water Fire hydrants shall be painted Safety Yellow In Berkshire, Trenton, Galena and Red in Sunbury. Private Fire Hydrants and private PIV's shall be painted Safety Green.

## **Fire Protection Equipment Identification and Access**

18. Per **2011 Ohio Fire Code Section 509.1 Fire Department Equipment Identification**. Approved signs required to identify fire protection equipment and equipment location shall be constructed of durable materials, permanently installed and readily visible.

## **Electrical Equipment Rooms**

### **19. Per 2011 Ohio Fire Code Section 605.3.1 Labeling**

Doors into electrical control panel rooms shall be marked with a plainly visible and legible sign stating "ELECTRICAL ROOM" or similar approved wording.

## **Elevator Keys**

20. Per **2011 Ohio Fire Code Section 607.4 Elevator keys**. Shall be located in the Knox Box® or in the elevator room in plastic bag marked for Fire Department with all other keys needed for elevator.

## **Stationary Storage Battery Systems**

21. Per **2011 Ohio Fire Code Section 608.7 Signage**. Doors into electrical equipment rooms or buildings containing stationary battery systems shall be provided with approved signs.

22. Per **2011 Ohio Fire Code Section 901.8.1 Removal of or tampering with appurtenances**. Shall be of the following: BST&G Fire District shall be permitted to chain, lock, and /or tamper seal all control valves of fire suppression systems and/or fire alarm panels.

## **Fire Department Connection**

23. Per **2011 Ohio Fire Code Section 903.3.6 Hose threads** - The FDC shall be of a five inch (5") non – threaded Storz connection **with a thirty degree (30°) angle toward the ground**.

24. Per **2011 Ohio Fire Code Section 912.2 Fire Department Connection Location**. The Location shall be remote from the building and approved by the Fire Prevention Bureau. The top of the FDC shall be thirty –Six inches (36") off of finished grade, to the top of the connection.

**Minimum FDC line size** – The minimum acceptable Fire Department Connection line size shall be four inch (4").

**Proximity to an approved fire hydrant** – the FDC shall be located within forty feet (40') of an approved fire hydrant. The location of the FDC shall be approved by the Fire Prevention Bureau.

25. Per **2011 OFC Section 912.4 Required signage and mounting**. If multiple FDC are required or in the same area signage will be require and approved by the Fire Prevention Bureau. Address(s) of business, what the FDC supplies and **if the input pump pressure required is other than One Hundred Fifty Pounds (150 #)**

## **Post indicator Valves**

26. Per **2011 Ohio Fire Code Section 905.9 Valve supervision** Valves controlling water supplies shall be supervised in addition they shall have a break-a-way lock. Bollard protection shall also be required.

## **Fire alarm and detection system**

27. Per **2011 Ohio Fire Code Section 901.2 Construction documents**. A BST&G Fire Prevention Bureau checklist form and plans, shall be submitted for approval.

## **Fire Alarm Systems**

28. **Existing Fire Alarm Panels** – BST& G Fire Prevention Bureau, shall enforce **2010 NFPA 72 Section 23.8.2.3**

29. Per **2011 Ohio Fire Code Section 1301:7-7-47**

**A remote Fire Alarm Control Panel** shall be located to the right side of the main front door(facing the door from the outside) no more then 3 feet inside the building, and shall comply with **2010 NFPA 72 Section 10.16.3.1, 10.16.3.2**

30. Per **2011 Ohio Fire Code Section 1301:7-7-47 Stand-a-lone remote Duct Smoke Detectors** shall also be installed per **2010 NFPA 72 Section 5.16.5.8** the remote location shall be right side of the main front door(facing the door from the outside) no more then three feet (3') inside the front door, and shall be approved prior to installation

31. Per **2011 Ohio Fire Code Section 903.4.2 Water flow alarms**. A weatherproof audible visual device, shall be located on the side of the building in lieu of water flow bell. Shall be labeled as "Water Flow".